

INVITATION FOR BIDS



NTPC GREEN ENERGY LIMITED (A SUBSIDIARY OF NTPC LIMITED)

CONTRACTS SERVICES

Invitation for Bids (IFB) for

EPC PACKAGE FOR DEVELOPMENT OF 10MLD WATER TREATMENT PLANT PACKAGE FOR NGEL GREEN HYDROGEN HUB AT PUDIMADAKA, ANAKAPALLI DISTRICT, ANDHRA PRADESH

(Domestic Competitive Bidding)

IFB No.: NGEL-CS-5861-GH2HUB-WTP-PUD-1-001

Date: 06.06.2025

Bidding Document No: NGEL-CS-5861-GH2HUB-WTP-PUD-1-001

1.0 NTPC Green Energy Limited (NGEL) invites online bids from eligible bidders on Single Stage Two Envelope, (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for **EPC PACKAGE FOR DEVELOPMENT OF 10MLD WATER TREATMENT PLANT PACKAGE FOR NGEL GREEN HYDROGEN HUB AT PUDIMADAKA, ANAKAPALLI DISTRICT, ANDHRA PRADESH.**

2.0 BRIEF SCOPE OF WORK

1. Basic design, detailed engineering, procurement, fabrication, inspection, packing, forwarding, supply of materials, transportation, and handling, custom duty (and any other duties), freight, insurance, unloading, storage, civil construction, erection, commissioning, testing, PG test, training including 10 years of Comprehensive operation and maintenance (O&M) works of all systems in turnkey basis. The WTP system is intended to serve a lifetime of 25 years.
2. Arrangement for Tapping from existing underground APIIC raw water pipeline (500NB, HDPE/DI/CS), situated underground at a depth of a maximum of 2.5m, with water quality as in Annexure I. The distance between the tapping point to the site location is not more than 2500m.
3. The drawl of the 33kV, 3.5 MW power supply from the 132kV NGEL switchgear building, including termination, is not more than 1000m from the proposed site location.
4. WTP production output is 10MLD of treated water and 2MLD of De-Mineralized (DM) water with required water quality parameters as indicated in Annexure I. Additionally, per the WHO recommendation standard, 1KLD of Drinking water generation will be provided.
5. Water treatment system:
 - a. Pre-treatment including Intake, collection chamber, Aerator, Flash mixing, Clariflocculator, Multigrade filter, and other systems, etc of suitable capacity
 - b. DM water treatment including UF, RO, EDI, MB, EDR, and allied systems
 - c. Drinking water includes UV, storage, and distribution.
 - d. Nitrogen generation system for capping of DM water 300m³ tank
 - e. Water storage system
 - f. Sludge handling and waste disposal system

**EPC PACKAGE FOR DEVELOPMENT OF 10MLD WATER TREATMENT
PLANT PACKAGE FOR NGEL GREEN HYDROGEN HUB AT
PUDIMADAKA, ANAKAPALLI DISTRICT, ANDHRA PRADESH**
BIDDING DOCUMENT NO.: NGEL-CS-5861-GH2HUB-WTP-PUD-1-001

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- g. Air conditioning and Ventilation system.
- h. Complete piping, pipe pedestals and/or pipe trestle, fittings, support, all associated valves etc. including hydro testing of piping system.
- i. Fire-fighting system including hydrant, portable extinguisher, etc
- j. All laboratory testing facilities and equipment are required to test input and output quality parameters
- k. Complete civil and electrical works with integration of HT electrical system, access road, fencing, office-chemical storage- switchgear- lab-plant system, plant lighting, etc.

The detailed scope of work is as defined in the bidding document No: **NGEL-CS-5861-GH2HUB-WTP-PUD-1-001**.

3.0 NGEL intends to finance the subject package through Own Resources/Borrowings.

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 of NIC (GePNIC) at website-<https://eprocurementpc.nic.in/> and as per the following schedule:

IFB Date	06.06.2025	
Documents Download Date and Time	From 10.06.2025, 17:00 hrs	
Pre-Bid Conference and Last Date for receipt of queries from prospective Bidders	27.06.2025	
Last Date and Time for receipt of bids comprising both Techno-Commercial Bid and Price Bid	15.07.2025	14:00:00 (IST)
Date & Time of opening of Techno-Commercial Bid	15.07.2025	14:30:00 (IST)
Cost of Bidding Documents	INR 22,500/- (Indian Rupees Twenty-Two Thousand Five Hundred only)	

No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference as specified above.

5.0 All bids must be accompanied by Bid Security for an amount of INR 2,00,00,000/- (Indian Rupees Two Crore only) in the form 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 AND SHALL NOT BE OPENED. IN CASE, THE BID SECURITY IS SUBMITTED AS E-BG/ ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT THE PROOF OF E-PAYMENT OF BID SECURITY EITHER IN SEPARATE SEALED ENVELOPE OR IN THE E-TENDERING PORTAL.

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5.1 Acceptable Tender Fee payment proof shall be uploaded by all the bidder in the “Fee Cover” at the GePNIC Portal. Any bid not accompanied by Tender Fee and Bid Security shall be rejected by the Employer as being non-responsive.

6.0 Qualifying Requirements for Bidders

In addition to the requirements stipulated 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

1.1 The bidder should have designed, supplied, erected/ supervised erection, and commissioned/ supervised commissioning of water treatment plant including civil works, as below, during the last 10 (ten) years as on the date of the techno-commercial bid opening,

A. At least one project of water treatment plant in raw water/sewage water/effluent water/wastewater/seawater of not less than the capacity of Eight (8) Million Litre per Day (MLD),

And

B. At least one project of Demineralized (DM) plant through Reverse Osmosis of One (1) Million Litre per Day (MLD) capacity through,

i. Mixed Bed of not less than the capacity of One (1) MLD.

OR

ii. Electrodeionization (EDI) of not less than the capacity of 0.2 MLD.

The plant(s) should have been in successful operation for at least one (1) year prior to the date of techno-commercial bid opening.

For meeting the criteria in clause 1.1 (A) and (B), reference projects may be same or different plants.

Notes for Clause 1.0 Technical Criteria:

i. The work carried out by the bidder’s group company, holding company, or subsidiary company shall also be considered as the bidder’s experience in meeting the QR. In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.1 and the Bidder along with its bid for complete performance of the contract jointly and severally as per format enclosed in the bid document failing which the Bidder’s bid is liable to be rejected.

ii. Bidder shall submit supporting documents such as letter of award, work completion certificate(s), or other relevant documents, for meeting the criteria mentioned above.

iii. Direct / In-direct order

The bidder shall also be considered qualified in case the award for executing the reference work has been received by the Bidder either directly from the owner of the plant or any other intermediary organization. In such a case, a certificate from such owner of plant or any other intermediary organization shall be required to be furnished by the bidder along with its Techno-Commercial bid in support of bidder’s claim of meeting the qualification requirement as per

clause 1.1 above. Bidder shall also submit a certificate of successful completion and operation from the Owner.

2.0. FINANCIAL CRITERIA

2.1 The average annual turnover of the bidder should not be less than ₹ 61 Crore (INR Sixty One Crore only) during the preceding three (03) financial years as of the date of the techno-commercial bid opening.

In case the Bidder does not satisfy the average annual turnover criteria, stipulated above 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 the bid, a Letter of Undertaking from the 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 an award.

2.2. Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (hundred percent) of the 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, the Net worth of the Bidder and its Subsidiary (ies) and/ or Holding Company and/ or Subsidiary (ies) of the Holding Company, in a combined manner should not be less than 100% (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 a 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% 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 a standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on the substantiation of its qualification:

- a. Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- b. 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 of the date of submission of the bid 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 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.

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Notes for Clause 2.0

- a. 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 do not include reserves credited out of the revaluation of the assets, write-back of depreciation provision, and amalgamation. Further, any debit balance of the Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- b. Other income shall not be considered for arriving at annual turnover.
- c. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per the Companies Act of India.
- d. For the value of the annual turnover indicated in foreign currency, the exchange rates as of seven (7) days prior to the date of techno-commercial bid opening shall be used.
- e. 'Group Company' means two or more enterprises which, directly or indirectly, are in a position to:
 - i. exercise twenty-six percent or more of voting rights in other enterprises; or
 - ii. appoint more than fifty percent of members of the Board of Directors in the other enterprise.

The meaning of Holding/Subsidiary/Group Company mentioned above shall be applicable for Clause 1.0 also.

7.0 NGEL 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.

8.0 A complete set of Bidding Documents may be downloaded by any interested Bidder from the website <https://eprocurentpc.nic.in/>. The tender is invited under e-tendering process. The bidders can enroll themselves on the website <https://eprocurentpc.nic.in/> using the option "online Bidder Enrolment". The said website also has the detailed guidelines on enrolment and participation in the bidding process including Bidder Manual for online fee payment.

9.0 The cost of the bidding documents as mentioned above is required to be submitted along with GSTIN in the manner specified below.

Interested Bidders can pay for the cost of documents as mentioned above in the form of Electronic transfer/NEFT Payments in the following account details of NTPC Green Energy Limited:

Account Number	NTPC Green Energy Ltd
Name of Bank	Axis Bank
Type of Account	Current
IFSC Code	UTIB0000022
Bank Account No.	922020025003612
Branch Address	Branch address - B-2 & B-3, Sector 16, Noida, U.P. – 201301

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While carrying out online transfer, Bidders shall ensure to enter "Tender No. - Bidder Name" in the Text / Remarks / Reason field. Bidder shall intimate the details of same through email to concerned nodal officer of NGEL and also upload the details on "Fee/ Scanned copy of EMD" folder in GePNIC in the following format:

Declaration for Payment of Cost of Bidding Document

Tender No:
Bidder Name:
UTR Reference:
Amount:
Date of Transfer:
Transferor Bank:

(Signature of Bidder with Seal)

- 10** 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 hard copy of Bid Security and other documents as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.

Note: No hard copy of Bidding Documents shall be issued.

- 11.0** Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.
- 12.0** No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference (if applicable) as specified above.
- 13.0** 'Class-I local suppliers' and 'Class-II 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.
- 14.0** 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.

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15.0 ADDRESS FOR COMMUNICATION

AGM (Contracts Services)/ Sr Manager (Contracts Services)

NTPC Green Energy Limited

4thFloor, Renewables Building

E-3, Ecotech-II, Udyog Vihar, Greater Noida

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