

NTPC Green Energy Limited

(A Subsidiary of NTPC Ltd., a Government of India Enterprise)



Request for Proposal (RfP)

From

Green Ammonia and Green Methanol Developers around the Globe

For

Setting up of project(s) in India's first Green Hydrogen Hub at Pudimadaka (near Visakhapatnam),
Andhra Pradesh

RfP No-NGEL/RE-CS/RfP/Pudimadka/01

DOCUMENT STRUCTURE OF RfP

This Request for Proposal (RfP) document is organized into the following sections:

- **Section I** : RfP Overview and Key Information
- **Section II** : Introduction and Background
- **Section III** : Instructions for Applicants/Bidders
- **Section IV** : Consideration of Responses
- **Section V** : Annexures and Supporting Documents

Section - I
RfP Overview and Key Information

RfP No.: NGEL/BD/

Date: Feb X, 2026

NTPC Green Energy Limited (NGEL), is inviting proposals from Green Ammonia and Green Methanol Developers (Applicant) around the Globe for setting up of project(s) in India's first Green Hydrogen hub at Pudimadaka (near Visakhapatnam), Andhra Pradesh.

“Applicant” shall mean Company (Sole Company/JV/SPV) or a Consortium submitting the Bid. Any reference to the Applicant includes Company / Consortium, Member of a Bidding Consortium including its successors, executors and permitted assigns and Lead Member of the Consortium jointly and severally, as the context may require.

“Consortium” shall refer to a group of companies that has collectively submitted the response in accordance with the provisions of this RfP under a Consortium Agreement.

“Affiliate” shall mean a Company that, directly or indirectly, Controls, or is controlled by, or is under common control with, a Company developing a Project or a Member in a Consortium developing the Project and control means ownership, directly or indirectly, of more than 50% (fifty percent) of the voting shares of such company or right to appoint majority Directors.

1. Objective

NGEL intends to seek interests from Global/Indian developers **for setting up Green Ammonia and Green Methanol Project(s) in the NGEL Green Hydrogen Hub at Pudimadaka, AP.**

NGEL intends to allocate a **limited land area of approximately sixty (60) acres** within the Green Hydrogen Hub at Pudimadaka, Andhra Pradesh, **as two (2) separate parcels as follows:**

- (a) Parcel A – upto Thirty (30) acres for development of a Green Ammonia project**
- (b) Parcel M – upto Thirty (30) acres for development of a Green Methanol project**

This RfP is not intended to allocate the entire Hub area and is limited solely to the Parcels described above. NGEL intends to **select one (1) Green Ammonia Developer** for Parcel A and **one (1) Green Methanol Developer** for Parcel M based on methodology for scoring defined under Section IV.

Award of a Parcel under this RfP **does not** grant any exclusivity, right of first refusal, or priority over any other portion of the Hub area not covered by this RfP.

Subject to land availability within the Hub, receipt of applicable approvals, and the Employer's discretion, the Employer may offer to any one of the Selected Developers a Greenshoe Option to lease/license additional land up to thirty (30) acres contiguous to its awarded Parcel. The Greenshoe Option is not an entitlement and shall not create any right, claim, or legitimate expectation in favour of any Bidder/Developer. The Employer may decide to offer, reduce, or not offer Greenshoe Land, without any liability. Employer may exercise the Greenshoe Option by written notice within **6 months** from execution of the definitive agreements (or such other period as the Employer may allow in writing). The terms & conditions as well as obligations & rights of Successful Bidder(s) as well as the Employer shall be same for parcel allocated under the "GREENSHOE OPTION" as terms and conditions of definitive agreement signed between the parties for the original parcel of land under this RfP.

2. Eligibility Criteria

Detailed eligibility criteria mentioned in **Section-II** below.

3. Bid Participation

A Bidder may submit a Proposal for:

- only Parcel A, or
- only Parcel M, or
- both Parcel A and Parcel M (two separate Proposals, clearly marked)

No Bidder (including its Affiliates and, in case of a Consortium, any Consortium member and their Affiliates) shall be awarded more than one (1) Parcel under this RfP, hereby referred to as the "**one bidder, one parcel**" rule.

If a Bidder ranks first for both Parcels, the Employer shall award **only one Parcel** to such Bidder. The Bidder shall be required to indicate a **Parcel preference (A or M)** at the time of submission in the format enclosed in the RfP documents. The Employer shall award the Bidder the Parcel marked as Preference 1, and the other Parcel shall be offered to the next highest-ranked responsive Bidder for that Parcel.

The Employer may reject Proposals if it reasonably determines that multiple Proposals are

submitted to circumvent the above restriction, including through Affiliates, subsidiaries, common control, or overlapping Consortium compositions.

4. BID SECURITY

4.1 The Bidder/applicant shall furnish, as part of its proposal, a Bid Security in a separate sealed envelope in the amount and currency as stipulated below:

Amount of Bid Security per parcel	INR 1,00,00,000/- [Indian Rupees One Crore only]
Period of validity of Bid Security	Bid Security shall remain valid for a period of forty-five (45) days beyond the original Bid validity period

In case bid security amount is deposited as EFT, Proof of e-payment of Bid Security, shall be submitted in a separate sealed envelope.

Account Details of Employer's Beneficiary Bank, in case bid security is furnished as EFT, is mentioned below:

Account name	NTPC Green Energy Ltd
Bank Name	State Bank of India
Type of Account	Current
Bank Account No	41588762781
IFSC Code	SBIN0017313
Branch address	4th & 5th Floor Redfort Capital, Parsvnath Towers, Bhai Veer Singh Marg. Gole Market, New Delhi – 110001

4.2 The Bid Security shall, at the Bidder's option, be in the form of Electronic Fund Transfer (EFT) or a bank guarantee from any of the banks specified in the RfP documents or an Insurance Surety Bond (ISB) from an Insurer as per guidelines issued by Insurance Regulatory and Development Authority of India (IRDAI)

4.3 The format of the Bank Guarantee/ Insurance Surety Bond shall be in accordance with the form of bank guarantee/ Insurance Surety Bond towards bid security included in the Bidding Documents. In case bidder opts for Electronic Fund Transfer (EFT) in lieu of the Bid Security, Bidder shall provide details of EFT transaction as per Form specified in the RfP documents.

4.4 In case of Foreign Bidders, the Bid Security can be from any other Bank also in addition to the Banks specified in the RfP documents. If the Bank Guarantee is from a Bank not specified in the RFP

documents, then the Bank Guarantee shall be confirmed by any of the Banks specified in the RfP documents.

4.5 Any proposal 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 EFT, bidder to submit the proof of e-payment of bid security in separate sealed envelope.

4.6. The Bid Security of all the Bidders except successful bidder, shall be returned at the earliest after signing of the definitive agreement with the successful bidder.

The Bid Security of the successful Bidder to whom the Lol has been issued, will be returned when the said Bidder has signed the Definitive Agreement and has furnished the required Performance Securities and compliance of other terms & conditions of the Letter of Intent.

4.7 An unsuccessful applicant / bidder may request for return of bid security after the Lol is awarded to the successful bidder(s), if the unsuccessful applicant does not wish to move ahead with the re-designation process that may occur in the future in case of failure of the successful bidder in signing of the definitive agreement as detailed in clause no-5 of Section-I of RfP.

4.8 In case the successful bidder, to whom the Letter of Intent has been issued, fails to sign the definitive agreement within a period of One (01) month from the date of issuance of Letter of Intent or does not furnish the required Performance Security, then his bid security shall be forfeited by the Employer/Owner without any notice or proof of damage to the Owner.

5. Post-RfP Process

Highest-ranked Applicant for each Parcel would be considered as successful applicant. Thereafter, NGEL and the successful Developer(s) shall endeavor to negotiate and finalize the terms & conditions including price / tariff (as applicable) for **land sub-lease, renewable power supply, water supply, CO2 supply (if required), N2 supply, grid connectivity and port/storage arrangements.**

On finalization of the terms & conditions including Term Sheet, a Letter of Intent (Lol) may be issued by the Employer after reaching mutually agreed price and before signing of the agreement.

The commercial terms (including tariffs/charges) for the above shall be mutually agreed between NGEL and the Selected Developer(s). Both the parties shall endeavor to enter into a definitive agreement within **one(1) month** from the date of issuance of Lol. If the successful bidder fails to execute the Definitive Agreements, then its bid security shall be forfeited and NGEL may cancel the Lol for such Parcel. In such a case, NGEL may, at its discretion:

- a. Offer the Parcel to the next highest-ranked responsive Bidder for the same chemical.
OR
- b. Re-designate the Parcel for the other chemical and offer it to the next highest-ranked responsive Bidder under that chemical.

Any reallocation basis the above two points a. and b. shall be subject to the one-bidder, one-parcel rule and feasibility under applicable approvals / infrastructure constraints.

For avoidance of doubt, issuance of the Lol or participation in discussions shall not create any binding obligation on either party until the Definitive Agreements are executed.

6. Performance Security –

Within One (01) month after receipt of the Letter of Intent, the successful Bidder shall furnish performance securities for an amount equal to **three (3) months of the aggregate Minimum Guaranteed Payments payable by the Successful Bidder** under the Utility Agreements proposed to be executed for the awarded Parcel (including land lease, RE power, water and any other common utilities/services contracted through the Employer or its nominated agencies) (“Performance Security Amount”), in the form provided in the section “Forms and Procedures” of the bidding documents.

For the purposes of this clause, “Minimum Guaranteed Payments” shall mean the minimum monthly payment obligation under each Utility Agreement, comprising (i) fixed/capacity/demand/reservation charges (if any) and/or (ii) take-or-pay obligations based on Contracted Minimum Quantity (if any), inclusive of applicable taxes and duties.

The Performance Security shall have an initial validity until three (3) months from the Commercial Operation Date (“COD”) of the Facility. The Successful Bidder shall ensure that the Performance Security is kept valid at all times and shall extend the validity thereof as required. In case of delay in achieving COD (for any reason), the validity of the Performance Security shall be extended by a period equal to such delay. Failure to extend the Performance Security at least thirty (30) days prior to its expiry shall entitle the Employer to invoke the Performance Security.

The security shall be returned to the successful bidder three (3) months after the Commercial Operation Date (“COD”) of the Facility or after its expiration, whichever is later.

7. Details of Employer’s Bank for confirmation of BGs through SFMS/ SWIFT:

Bank Name: **Axis Bank**

Branch: **Axis Bank Ltd., B2-B-3, Sector 16, Noida, Gautam Buddha Nagar, UP 201301**

Branch Code: **000022**

IFSC Code: **UTIB0000022**

BG issuing/amending bank must send the BG advice in the form of message format via SFMS (Structured Financial Messaging System) as provided by RBI. The format of the message for confirmation of the BG shall be as below:

BG advising message: IFN 760COV/ IFN 767COV via SFMS

Field Number: Particulars (to be mentioned in Row 1)

7037: NTPCBG (unique identifier)

- (i) All Bank Guarantees/ Insurance Surety Bonds/ Payment on Order Instruments (POIs) should be enforceable for minimum ninety (90 days) after expiry of its validity.
- (ii) Extension of all BGs/ Insurance Surety Bonds should be on Stamp paper of same value as that of the original BG/ Insurance Surety Bond/ POIs. Minimum extension of any BG/ Insurance Surety Bond should be three months.

8. RfP Document Access & Timeline

- **RfP Documents:** available for free download at www.ntpctender.com or <https://eprocurementpc.nic.in>
- **Key Dates:**
 - Last date for submitting queries/clarifications: Date of RfP publish **(T) +7 days**
 - Last date for submission of RfP: **T+21 days**
 - Date of opening RfP responses: **T+22 days**

Validity of RfP Response: **6 months** from the last date of submission. In exceptional circumstances, NGEL may solicit the Applicant's consent to an extension of the bid validity period. The request and responses thereto shall be made in writing. If a bidder accepts to extend the period of bid validity, the validity of bid security shall also be suitably extended.

9. Submission Guidelines

Applicants/Bidders are required to submit a **soft copy** of their complete RfP in the portal. Submissions

must be completed **on or before the last date of submission.**

Further, bid security shall be furnished as detailed at clause no.-4 of RfP.

10. Rights Reserved

NGEL reserves the right to modify, accept or reject any or all proposals, or to cancel/withdraw the entire process at any stage without assigning any reason. In such cases, Applicants/Bidders shall have **no claim whatsoever** arising from such actions.

Section - II Introduction and Background

1. Introduction

NGEL is an umbrella company for the green business initiatives of NTPC and undertakes projects through organic and inorganic routes and aims to be the flag-bearer of NTPC's green energy journey to achieve the ambitious target of 60 GW by FY 32. The installed RE capacity of 8.5 GW, an additional 23 GW is in pipeline.

The company has strategically diversified its portfolio within the realm of Green Energies and participating in bidding process, tenders, and Ultra Mega Renewable Energy Power Parks (UMREPP), to achieve growth over the decade and act as a premier "Green Energy" player in India as well as globally.

NGEL is developing the largest Green Hydrogen Hub in Pudimadaka, near Visakhapatnam, Andhra Pradesh. It was declared as India's first National Green Hydrogen Hub by the Hon'ble Prime Minister of India on 8th Jan' 2025 while laying the foundation stone for the project at Visakhapatnam.

The Hub is slated to produce **2.5 MMTPA Green Chemicals** (Ammonia, Methanol, e- SAF, Green Urea etc.). The Hub would have Electrolyser of 7 GW capacity, 7.5 GW GIS substations, 7.5 GW transmission lines from CTU substation, Captive Port/Jetty, Desalination Plant, Chemical storage, logistics area, utilities area, common buildings etc.

The Hub is envisaged as a **plug-and-play model**. Subject to availability and applicable approvals, NGEL/NTPC (and/or its nominated agencies) intends to develop and make available the following common infrastructure and utilities to the Selected Developer(s):

1. Renewable power supply
2. Land (by way of lease and upfront payment) and common civil infrastructure
Grid connectivity
3. Water supply including raw / desalinated / treated water and DM water
4. CO2 supply (where applicable)
5. Nitrogen (N2) supply (where applicable)

6. Common port/jetty access, storage and logistics facilities

The green power for the energy intensive hub shall be arranged by NGEL from Andhra Pradesh.

2. Green Ammonia / Green Methanol Developer Scope

The scope of the Developer shall be including, but not limited to the following:

- The Developer must sign the Definitive Agreements and source the following from NGEL only:
 - Land and civil infrastructure
 - RE power supply
 - Grid connectivity at Hub boundary as applicable
 - CO2 Supply (only for developers bidding for Parcel M)
 - N2 Supply (only for developers bidding for Parcel A)
 - Port interface and storage facilities (as applicable, including common handling infrastructure where available)
 - Water supply including Raw water / DM water / desalinated water (as applicable), including distribution up to a defined delivery point
- The Developer shall be responsible for setting up all facilities within its plot boundary unless explicitly stated as Employer-provided under the definitive agreements, including the process plant, internal distribution, in-plant utilities, safety systems, statutory compliance, and O&M of Developer-owned assets.
- The Developer shall be responsible for securing offtake agreements (if not in place already).
- The Developer shall be responsible for arranging and complying with requisite statutory approvals / clearances for production facilities.
- The Developer shall be responsible for coordinating with NGEL and other hub occupants for integrated hub operations.