

**NTPC Limited***(A Govt. of India Enterprise)***INVITATION FOR EXPRESSION OF INTEREST
(EOI)****for purchase of Green Methanol (ASTM Grade A)
Synthesized in CO₂ to Methanol (CTM) Plant at
Vindhyachal Super Thermal Power Plant**

EOI No. VSTPS / GREEN CHEMICAL/2026/01

Date: 25.01.2026

NTPC Vindhyachal is Inviting Expression of Interest (EOI) from interested vendors for purchase of **Green Methanol (ASTM Grade A)** Synthesized in CO₂ to **Methanol (CTM)** Plant. This EOI also intends to price discovery of Green Methanol. Green Methanol is produced from CO₂ gas captured from Thermal Plant Flue Gas and Green Hydrogen generated from water, at NTPC Vindhyachal Super Thermal Power Station, Situated in Singrauli district, Vindhyanagar, Madhya Pradesh 486885. Transportation of Methanol from CTM Plant shall be in the responsibility of the interested user.

Interested Parties are requested to submit their requirements in the specified standard format to **ranjankumar02@ntpc.co.in** by **18:00 hrs of 25.02.2026**. For any clarification, please contact on 9839397237 or 9650992119.

'General Information' and **'Standard format for application'** for Expression of interest have been uploaded on **www.ntpctender.ntpc.co.in**.

Registered Office: NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi -110003. **www.ntpc.co.in**, **CIN:** L40101DL1975GOI007966

Leading the Power Sector

Adwit India - NTPC GREEN CHEMICAL 8 (w) x 10 (h) English BW



एन टी पी सी लिमिटेड
(भारत सरकार का उद्यम)

**विंध्याचल सुपर थर्मल पावर प्लांट में CO₂ से मेथेनॉल (CTM) संयंत्र में
संश्लेषित ग्रीन मेथेनॉल (ASTM ग्रेड A) की खरीद के लिए
अभिरुचि की अभिव्यक्ति हेतु आमंत्रण (EOI)**

EOI संख्या: VSTPS / GREEN CHEMICAL/2026/01

दिनांक: 25.01.2026

एनटीपीसी विंध्याचल, इच्छुक विक्रेताओं से **ग्रीन मेथेनॉल (Green Methanol CH₃OH Grade A)** की खरीद हेतु अभिरुचि की अभिव्यक्ति (EOI) आमंत्रित करता है, जो CO₂ से **मेथेनॉल (CTM)** संयंत्र में संश्लेषित की जाती है। यह EOI ग्रीन मेथेनॉल की मूल्य खोज (Price Discovery) के उद्देश्य से भी जारी की जा रही है। ग्रीन मेथेनॉल का उत्पादन ताप विद्युत संयंत्र की फ्लू गैस से पकड़ी गई CO₂ गैस तथा जल से उत्पन्न ग्रीन हाइड्रोजन के माध्यम से किया जाता है। यह संयंत्र एनटीपीसी विंध्याचल सुपर थर्मल पावर स्टेशन, जिला सिंगरौली, विंध्यनगर, मध्य प्रदेश - 486885 में स्थित है। CTM संयंत्र से मेथेनॉल के परिवहन की जिम्मेदारी इच्छुक उपयोगकर्ता की होगी।

इच्छुक पक्षों से अनुरोध है कि वे अपनी आवश्यकताओं को निर्धारित मानक प्रारूप में दिनांक **25.02.2026** को **18:00** बजे तक ई-मेल के माध्यम से **ranjankumar02@ntpc.co.in** पर भेजें। किसी भी स्पष्टीकरण हेतु निम्नलिखित मोबाइल नंबरों पर संपर्क किया जा सकता है: 9839397237 / 9650992119

‘सामान्य जानकारी’ एवं ‘अभिरुचि की अभिव्यक्ति हेतु आवेदन का मानक प्रारूप’ वेबसाइट **www.ntpctender.ntpc.co.in** पर अपलोड कर दिए गए हैं।

पंजीकृत कार्यालय: एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110003 **www.ntpc.co.in**, **सीआईएन:** L40101DL1975GOI007966

विद्युत क्षेत्र में अग्रणी

NTPC Limited

(A Government of India Enterprise)



Invites

Expression of Interest (EOI)

For

**Purchase of Green Methanol Synthesized in CO₂ to Methanol (CTM)
Plant using Captured Carbon Dioxide from Thermal Plant Flue Gas at
NTPC Vindhyachal Super Thermal Power Station, M.P.**

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

DOCUMENTS OF EOI

This EOI document comprises of the following sections:

Section-I: Invitation for Expression of Interest

Section-II: Information to Applicants

Section-III: Application Form and Appendices

Instructions to APPLICANTS

- Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application.
- For expression of interest, Application Form and Appendices given in Section-III shall be duly filled and sent to NTPC Ltd. by the APPLICANT in soft copy.

SECTION-I: INVITATION FOR EXPRESSION OF INTEREST

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Ref. No.: VSTPS/Green Chem/EOI-1/25-26

Date: 25.01.2026

NTPC Vindhyachal is Inviting Expression of Interest (EOI) from interested vendors for purchase of Green Methanol (ASTM Grade A) Synthesized in CO₂ to Methanol (CTM) Plant. This EOI also intends to price discovery of Green Methanol. Green Methanol is produced from CO₂ gas captured from Thermal Plant Flue Gas and Green Hydrogen generated from water at NTPC Vindhyachal Super Thermal Power Station.

1.0 Introduction Carbon Dioxide to Methanol (CTM) Plant:

NTPC Ltd, India's largest integrated power utility marking five decades of remarkable growth, innovation, and contribution to India's power sector. NTPC solidifying its commitment to meet India's growing energy needs and its vision to lead the country's transition to clean and renewable energy. In a groundbreaking move towards sustainable energy and carbon management, NTPC has successfully commissioned the world's first CO₂ to Methanol (CTM) Plant at its largest Vindhyachal Power Station.

This state of art facility captures Carbon Dioxide (CO₂) from thermal plant flue gas and converts it into Green Methanol using hydrogen produced by Polymer Electrolyte Membrane (PEM) Technology from renewable energy sources.

Utilizing green methanol is significant for methanol-consuming-industries for improving its ESG (Environmental, Social, and Governance) ratings because it drastically lowers a company's carbon footprint, aligning with environmental goals.

This can attract investors who prioritize sustainability and potentially lead to better access to capital. Using green methanol demonstrates a company's commitment to sustainability, which can improve its public image and social license to operate.

2.0 Intent of the Expression of Interest (EOI)

The purpose of inviting this EOI is to solicit proposals and price discovery from interested vendors to purchase Green Methanol.

NTPC intends to sale its in-house synthesized Green Methanol into the market and the same will be done as per the Interest received in this EOI by interested party(ies). After identifying the APPLICANTs through EOI, NTPC may come out with a detailed tender for the same.

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

3.0 Indicative Roles and Responsibilities of Parties

The following outlines the indicative roles and responsibilities for the parties. These are subject to refinement during subsequent stages of engagement.

3.1 NTPC's Role:

NTPC shall set up a dedicated loading arm to safely transfer of methanol from storage tank into the Truck/Trailer located within the NTPC Vindhyachal station.

3.2 Applicant's Role:

- Deploy Methanol Truck/Trailer for filling purpose. The chosen applicant shall ensure to have requisite license/clearance as per PESO/statutory Rules
- Deploy adequate manpower for Methanol filling, record-keeping, and ensuring compliance with Health, Safety, and Environment (HSE) standards.

4.0 Eligibility conditions for Participation in EOI

4.1 Dealer/Chemical Industry/Polymer industries/Paint Industry/Other Industries/ Entrepreneurs/ Sole Proprietorships / Partnerships / Limited Liability Partnerships / Consortium / Cooperative Societies / Registered trust/Government Agencies/Government or Private Companies of India (herein after called APPLICANT) having GSTIN and PAN.

5.0 Download and Submission of EOI

5.1 Interested APPLICANTS may download the documents of EOI free of cost from www.ntpctender.com.

5.2 APPLICANTS may send their queries related with EOI through e-mail RANJANKUMAR02@NTPC.CO.IN.

5.3 The APPLICANT is required to submit his EOI application complete in all respect in soft form. The copy of EOI application shall be e-mailed to following: RANJANKUMAR02@NTPC.CO.IN.

5.4 Opening/Upload date of EOI: 25th January 2026.

5.5 Last date for queries/ seeking clarifications: 15th February 2026.

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

5.6 Last date for submission of Application: 25th February 2026.

5.7 Response Validity: 180 Days from Last Date of submission of EOI.

NTPC may solicit the Applicant's consent for an extension of the period of validity of the response. The request and the response in this regard shall be in writing. In the event any Applicant refuses to extend its response validity as requested by NTPC, NTPC shall terminate processing of such Applicant's responses. An Applicant accepting NTPC request for validity extension shall not be permitted to modify its response.

5.8. For consideration of EOI, APPLICANT is required to submit softcopy of EOI through e-mail till 25th February 2026.

APPLICANT shall ensure that EOI application is complete in all respects.

NTPC reserves the right to reject or accept any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case and change or vary any part thereof at any stage, APPLICANT shall not have any claim arising out of such action.

Timing and sequence of events resulting from this EOI shall be determined by NTPC.

6. Costs and expenses towards response to EOI:

The Applicants shall be responsible for all the costs associated with the preparation of the response and participation in discussions and finalization & execution of the documents related to this EOI, NTPC shall not be responsible in any way for such costs, regardless of the conduct or outcome of this short-listing/ selection process.

7. Queries

APPLICANTS may send their queries related with EOI through e-mail at
RANJANKUMAR02@NTPC.CO.IN

SECTION-II: INFORMATION TO APPLICANTS

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

INSTRUCTIONS TO APPLICANTS

- Applicants should note that it is not a tender/bid invitation.
- For expression of interest, Application Form and Annexures given in the EOI shall be duly filled and sent to NTPC Vindhyachal by the APPLICANT in soft copy only.
- Applicants should thoroughly read EOI before filling and submitting the application.
- The application of EOI shall comprise of the following:

A) Form of Application:

The Application Form shall indicate willingness of Applicant to participate in the forthcoming tendering process, as and when NTPC Vindhyachal invites the same. The Application Form shall be submitted by an authorized representative of the agency / individual on the Letter head of the company.

B) Annexures:

Following are the annexures required to be filled and submitted by Applicant along with application form.

- Annexure -1:** Application Form
- Annexure- 2:** Applicant's Profile
- Annexure- 3:** Acceptance of Fraud Prevention Policy of NTPC
- Annexure- 4:** Any other information
- Annexure- 5:** Detail of Methanol available

Note:

- Applicants should go through Section-I and Section-II thoroughly before filling and submitting the application.
- For Expression of Interest, Application Form and Appendices given in Section-III shall be duly filled and sent to NTPC by the APPLICANTS in soft copy through e-mail.

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

SECTION-III: APPLICATION FORM AND APPENDICES

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

Annexure-I

(EXPRESSION OF INTEREST: APPLICATION FORM)

(To be submitted on Applicant's Letter Head)

Ref No.:

Date:

**Addn. General Manager
Green Chemical Deptt.
NTPC Vindhyachal
P.O. Vindhyanagar, Distt. Singrauli,
MP Pin – 486885**

Dear Sir,

Sub: Expression of Interest (EOI) for purchase of Green Methanol synthesized in CTM Plant capturing Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal.

We, the undersigned, express our interest for the subject EOI and declare the following:

- (a) We are duly authorized to represent and act on behalf of _____ (name of the firm/company/individual).
- (b) We have examined and have no reservations to the EOI document including Amendment No(s) & Clarification No(s) _____ (if any).
- (c) With reference to your invitation for EOI dated _____, we are furnishing herewith all the required details as per the prescribed Annexures.
- (d) We hereby express our willingness to participate in RFP/ forth coming tender which NTPC may invite in future.
- (e) NTPC and /or its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application and to seek clarifications from our bankers/suppliers and clients.
- (f) This application will also serve as authorization to seek/request information as deemed necessary from any individual or authorized representative of any institution referred in the supporting documents provided by the Applicant.

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

(g) NTPC and /or its authorized representatives may contact the following nodal persons for further information on any aspects of the application:

Name and designation of contact Person	Address for Communication	Telephone No	Email ID

(h) This application is made in full understanding that:

1. Through this EOI, NTPC intends to identify interested and eligible parties in India for purchase of Green Methanol generated from CTM Plant capturing Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station. This EOI is not intended for empanelment of Applicant or pre-qualification of Applicant.
 2. EOI process will be subject to verification of all information submitted, at the discretion of NTPC.
 3. NTPC reserves the right to accept or reject any or all applications, cancel/withdraw the EOI process without assigning any reason whatsoever and in such case, APPLICANT shall not have any claim arising out of such action.
- (i) We declare that we have read and abide by the provisions of Fraud Prevention Policy of NTPC and submit the form of Acceptance of Fraud Prevention Policy duly filled as per NTPC's format.
- (j) The undersigned declare that the statements made, and the information provided in the duly completed application are complete, true and correct in every detail.

SIGNATURE

(AUTHORISED SIGNATORY)

(OFFICE STAMP)

DATE_____NAME_____DESIGNATION_____

PLACE_____

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

Annexure-II
Applicant's Profile

1. Name of the Applicant/company:

2. Complete address of the Applicant/company

.....
.....

3. Contact Person details:

i. Name:

ii. Designation:

iii. E-mail:

iv. Contact no. Office: Mobile No.

4. Plant Details:

i. Plant/Project Category:

☐

Chemical

☐

Paint

☐

Polymer

☐

Other

Please Specify:

Mention category (if any in case of others)

5. Classification of Company

Public Limited

☐☐

Private Limited

Partnership Limited

☐☐

Others Please Specify:

6. Proposed end use of the Green Methanol:.....

7. Years of experience in the business:

8. Annual Turnover

9. Total requirement of Green Methanol.....Tonne/annum

10. Years of Engagement.....

12. Whether willing to enter in long term MOU YES ☐ NO ☐

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

13. If yes, for how many years:

14. Methanol Specification required by purchaser:

S.N.	Description	Unit	Standard	Value

15. Monthly Purchase Green Methanol (if Applicable):

Month	Quantity required (Metric tons per Day or days in week)	Quantity required (Metric tons per Month)	Period of requirement (In years)
Jan			
Feb			
Mar			
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			

16. Additional Information to be furnished by applicants for EOI:

S. No.	Parameter / Description	Cost (Rs/kg)
1.	Cost of Green Methanol	Applicant to furnish

17. Period for which Green Methanol required (in years):**years.**

Signature of authorized representative with company seal

DATE_____NAME_____DESIGNATION_____

PLACE_____

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

Annexure-III

(FORM FOR ACCEPTANCE OF FRAUD PREVENTION POLICY)

We have read the contents of Fraud Prevention Policy of NTPC displayed on the tender website **<https://ntpctender.ntpc.co.in>**, **www.ntpctender.com** and undertake that we shall strictly abide by the provisions of Fraud Prevention Policy of NTPC.

SIGNATURE

(AUTHORISED SIGNATORY)

(OFFICE STAMP)

DATE_____NAME_____DESIGNATION_____

PLACE_____

**Purchase of Green Methanol Synthesized in CTM Plant using captured
Carbon Dioxide from Thermal Plant Flue Gas at NTPC Vindhyachal Super Thermal Power Station, M.P.**

Annexure IV

(ANY OTHER INFORMATION)

If Applicant desires to share any other additional Information relevant to the work / assignment like brochure, future plan or any suggestion, it may be given in this Annexure.

SIGNATURE

(AUTHORISED SIGNATORY)

(OFFICE STAMP)

DATE_____

NAME_____DESIGNATION_____

PLACE_____

Annexure V

- 1. Green Methanol Available Quantity for sale: 8 TPD**
- 2. Methanol Specification available ASTM Grade A.**