



Ref.: NRL/TS/PP/EOI/2024/01

Date: 13th March 2025

CORRIGENDUM NO. 1 TO NOTICE INVITING TENDER
(Extension of Bid Due Date)

EOI Ref: NRL/TS/PP/EOI/2025/02 dated 24-02-2025

Subject: Expression of Interest (EOI) for Supply of Non-RE and RE Power to Numaligarh Refinery Limited, Assam.

With reference to the above, kindly note that the date of submission of Expression of Interest (EOI) and the date of opening of Expression of Interest (EOI) has been extended as below:

	Existing Entry	Amended Entry
Last Date of Submission of EOI:	17-03-2025 at 11:00 AM	24-03-2025 at 11:00 AM
Date of opening of EOI:	17-03-2025 at 02:30 PM	24-03-2025 at 02:30 PM

All other Terms & Conditions of the subject EOI document no. NRL/TS/PP/EOI/2025/02 dated 24-02-2025 shall remain unchanged.

For CGM (Commercial)
Numaligarh Refinery Limited
Numaligarh, Dist: Golaghat
Assam – 785 699

Numaligarh Refinery Limited

(A Government of India Enterprise)



Invites Expression of Interest (EOI)

(NRL/TS/PP/EOI/2025/02)

From

Power Generators / DISCOMs / Licensed Power Traders

For

**Supply of RE & Non-RE Power to
Numaligarh Refinery Limited, Golaghat, Assam**

Date: 24-02-2025

The EOI document comprises of the following sections:

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Letter for Invitation of EOI

Ref: EOI No. NRL/TS/PP/EOI/2024/01

Sub: Supply of Non-RE and RE Power to Numaligarh Refinery Limited, Assam

NRL hereby invites Expression of Interest (EOI) from Power Generators/Discoms/Licensed Power Traders, herein after called APPLICANT, for supply of approximately 100 MW fully dispatchable power. Out of this 100 MW power, minimum 20 MW shall be from Renewable sources for Green Hydrogen plant. There will be requirement for an additional 100 MW of Power from FY 2025-26 onwards.

APPLICANT shall submit response to the EOI, completed in all respect along with all documents on the CPP portal, on or before the last date of submission i.e. 17-03-2025.

NRL reserves the right to shortlist/ select business partner/s amongst the applicant/s identified through this EOI or through a separate tender. This EOI can be considered as an initial step for selection of business partner/s for supply of power required in the refinery.

Interested APPLICANTs may download the documents of EOI free of cost from **www.nrl.co.in** & **<https://eprocure.gov.nic.in>**.

Authorized Signatory

1. Introduction

- 1.1 NRL, a Schedule-A Category-I Miniratna CPSE under the Ministry of Petroleum and Natural Gas, Govt. of India was established in April 1993. NRL has been able to display credible performance since commencement of commercial production in October 2000. With its concern, commitment and contribution to socio-economic development of the state of Assam and North-East India, it is considered as one of the glowing manifestations of successful business enterprise in the region, with its footprints across the globe.
- 1.2 The current refining capacity of NRL is 3 MMTPA and the complex comprises of process units like CDU/VDU, DCU, HCU, HGU, MS Block, DHDT, SRU and Wax Block Units along with its own gas based captive power plant (GTG+STG) and other utilities. Product slate of NRL comprises of LPG, BS-VI HSD, BS-VI MS, ATF, SKO, MTO, Paraffin Wax, RPC/CPC (Raw/Calcined Petroleum Coke) and Sulphur. NRL has two marketing terminals at Numaligarh and Siliguri. Products, viz. MS, SKO and HSD, are transported from Numaligarh to Siliguri through the Product pipeline operated by Oil India Limited.
- 1.3 At present the power and steam demand of the refinery is met by its own Captive Power Plant (CPP), with the following facilities:
- 2 x 34 MW GTG
 - 1 x 12 MW STG
 - 2 x 132 T/hr. HRSG
 - 1 x 53 T/hr. UB
- 1.4 NRL is currently pursuing the Refinery Expansion Project (NREP) for increase the refining capacity from 3.0 to 9.0 MMTPA by setting up a new train of 6.0 MMTPA, along with Crude oil pipeline from Paradip, Odisha to Numaligarh, Assam and a Crude Oil Import Terminal at Paradip, Odisha. The ongoing NREP is target to be completed by December 2025.
- 1.5 NRL is also setting up a 2.4 KTPA green hydrogen plant within the refinery premise, in line with National Green Hydrogen Mission, to reduce GHG emission and achieve net-zero by 2038.

2. Requirement of Power (RE & Non-RE)

- 2.1 Existing 3 MMTPA refinery has a load 38 MW and the same is being met by the existing captive generation plant, run in islanding mode.
- 2.2 NRL is undergoing capacity expansion of 6 MMTPA which will take the total refining capacity to 9 MMTPA and will require additional around 200 MW of power. This entire load is

planned to be catered through procuring power from external sources using grid.

- 2.3 For power transmission connectivity, a 220 KV substation connecting to Assam STU is under implementation adjacent to the refinery complex, which will be commissioned by August 2025. Power will be stepped down to 33 KV / 6.6 KV level at refinery premises to feed the load centers.
- 2.4 Out of the estimated additional power requirement i.e. 200 MW, about 100 MW will be required by end of Year 2025 to cater the power demand of commissioning and operation of utility and few process units being implemented, as a part of refinery expansion project and for Green Hydrogen project.
- 2.5 The total requirement includes 20 MW (minimum) of renewable power for 2.4 KTPA green hydrogen plant, which is expected to be commissioned by Sept. 2025.
- 2.6 NRL intent to maximize RE power in its power mix in future, to meet the RPO/RCO guidelines mandated by AERC/CERC as well as to reduce carbon foot print and achieve net zero target by 2038. The quantum of RE power in the total power mix will be increased considering the landed cost of RE power and its reliability considering entire refinery operation.

3. Intent of EOI

- 3.1 To identify prospective power suppliers to cater to NRL's requirement as stated in clause 2 above, expression of interest is invited from reputed Power Generation Companies / Licensed Power Traders, capable of supplying power (Conventional and Renewable). The sources of power generation may be from:
 - a) Renewable sources – Solar / Wind / Hybrid RE / Hydro or any other source considered Renewable under MNRE guidelines (Minimum capacity of 20 MW)
 - b) Non-Renewable sources – Coal / Gas / Nuclear etc.
 - c) Mix of Renewable and Non-Renewable sources.
- 3.2 To explore market potential and interest in supplying power to NRL for Long Term / Medium Term.
- 3.3 To evaluate the feasible and cost-effective models for purchase of RE and Non-RE power from mid of Year 2025 with following options but not limited to:
 - i. Enter into a Power Purchase Agreement (PPA) with a reputed Power Generation company/s for purchase of power (RE & Non-RE) as required by NRL.

- ii. Buy equity in a power generating project / SPV and purchase power as group captive producer.
- iii. Enter into Power Purchase Agreement with licensed power trader for purchase of power (RE & Non-RE) as required by NRL.

4. Eligibility Criteria

4.1 Applicants should be a domestic entity engaged in any one of the following capacity or capacities:

- A. **Power Generation Company or Licensed Power Trader** who is willing to supply RE or Non-RE power to NRL. Power plant should be commercially operated and owned by party and in case of a licensed power trader, it should have a valid agreement with the power generator/s who can supply power through power agreement route in long term/ medium term. Generators whose project is expected to be commissioned by March 2025 shall also be eligible to participate.
- B. **Power Generator** who is willing to offer equity stake to NRL in their Power Plants / Special Purpose Vehicle (SPV) for Group Captive mode of purchase by NRL.

4.2 The Applicant proposing to supply Renewable Power, shall have commercially operational Renewable power plant/s based on Solar/Wind/hydel/Hybrid etc. with a cumulative operational capacity of at least 50 MW within India, and all units shall be in continuous operations at least for last ~~three~~ One year.

4.3 The Applicant proposing supply Non-Renewable Power, shall have commercially operational non-RE i.e. thermal power plant, based on Coal/ NG/nuclear etc. with a cumulative operational capacity of at least **250 MW**, in India and all plants shall be in continuous operations at least for the last ~~three~~ One year.

4.4 The Applicant proposing supply RE as well as Non RE power, shall have commercial operation of RE (Solar/ wind/ Hydel/ Hybrid) power plant of at least 50 MW (cumulative) and Non RE (Coal/ Gas/ Nuclear) power plant of at least 200 MW (cumulative), in India and all plant shall be in continuous operations at least for the last ~~three~~ One years.

4.5 Net worth of the Applicant proposing supply only RE Power shall be minimum **Rs. 75 Crores** (average for past three years). The Participant shall provide the documents along with the offer in support of the Net Worth duly certified by Statutory Auditor.

4.6 Net worth of the Applicant proposing supply from Non-RE Power shall be minimum **Rs. 375 Crores** (average for past three years). The Participant shall provide the documents

along with the offer in support of the Net Worth duly certified by Statutory Auditor.

- 4.7 Net worth of the Applicant proposing to supply both RE as well as Non- RE power shall be minimum **Rs. 375 Crores** (Average for past three years). The Participant shall provide the documents along with the offer in support of the Net Worth duly certified by Statutory Auditor

Applicants shall submit all the required documents as per the list of Annexure in support of their technical and financial credentials for evaluation.

5. Applicants' Responsibility:

The key roles and responsibilities of the stakeholders shall include but not limited to following:

- 5.1 Supply of RE / Non-RE power to NRL at the delivery point which shall be the point of interconnection of NRL with the STU at the 220 kV substation at NRL premise.
- 5.2 Supply of RE / Non-RE power to NRL as per load demand which may vary from time to time.
- 5.3 To abide by all statutory rules/acts/regulations etc. deemed fit for the job.
- 5.4 To assist NRL/client for getting clearances from statutory and regulatory bodies as may be required for successful supply of power.

6. NRL's Responsibility:

- 6.1 NRL will receive power through a dedicated 220 kV substation adjacent to the refinery premises at Numaligarh connecting to STU. Power will be stepped down to 33KV/6.6 KV level at refinery premises to feed to the load centers.
- 6.2 To construct necessary infrastructure (substation, switchgear etc.) to import required power from the Grid near to the refinery site.

7. EOI Evaluation Methodology

After screening of all the applications on the basis of the eligibility criteria as mentioned in clause no 4 above, the offers and the supporting documents (Technical and Financial) submitted by the qualified applicants will be further evaluated by NRL only for preparation of tender for purchase of power through suitable option(s) to meet NRL's requirement of power of 100 MW and above as stated in clause no: 2 above.

- i. Evaluation process may consist of 2 stages –
 - (a) shortlisting based on submitted credentials
 - (b) presentation, demonstration, discussion and visit to facility (if required) of shortlisted applicants, by an evaluation committee.

NRL reserves the right to select the Generation Company / Licensed Power Trader amongst the shortlisted applicants identified through this EOI Process or through a separate tender at later stage.

Instructions to the Applicants

1. The Applicants should note that:

- 1.1 Language of the responses to EOI or any query/clarifications/ correspondences shall be in English only.
- 1.2 Applicants shall mention the name and contact details of relevant person(s), with complete address, phone number and email id.
- 1.3 NRL may, at its sole discretion, ask for additional information/ documents and/ or seek clarifications from the Applicant(s) after the Deadline for submission of response, inter alia, for the purpose of removal of inconsistencies or infirmities in their responses.
- 1.4 All costs incurred by applicant for preparing and submitting the Application for Enlistment, in providing clarification or any other expenses whatsoever shall be borne by Applicants themselves, regardless of the conduct or outcome of the enlistment process.
- 1.5 The financial data must be submitted in Indian Rupees Only.
- 1.6 All the pages of the Application including annexures for Enlistment and attachments should be signed and corrections and over writings should be countersigned by the authorized signatory.
- 1.7 If it is established that the Applicant has submitted fraudulent documents or has indulged in corrupt and fraudulent practice at any point of time, the Applicant would be debarred/ disqualified from the Enlistment / tendering / taking up of work in NRL.

NRL reserves the right to cross check and confirm the information / details furnished by the Applicant at any time during the period of enlistment.

2. Corrigendum:

At any time before the last date of submission of EOIs, NRL may, for any reason, whether at its own initiative or in response to a clarification requested by an Applicant, modify the EOI document. The amendment will be posted on the website and will be binding on the Applicants and the Applicant will give due consideration to the same, while they submit their EOIs, and would invariably enclose documents/ information, as required, on account of the amendment, as a part of the EOI. NRL may, at its discretion, extend the deadline for the submission of EOIs.

3. Validity of the responses:

The Applicant shall submit the responses which shall remain valid up to twelve (12) months after the last date of submission. NRL may solicit the Applicant's consent for an extension of the period of validity of the response.

4. Submission of the response to EOI:

The responses against the EOI shall be submitted in soft copy on Central Public Procurement (CPP) portal. Any technical / commercial queries, before submission of response against the EOI shall be sent by email to:

- i. Mr. Bimlesh Gupta
Chief General Manager (Technical Service)
Numaligarh Refinery Limited,
PO. NR Complex,
Golaghat, ASSAM-785699
Email : Bimlesh.gupta@nrl.co.in

or

- ii. Mr. Bedabrat Bhagawati
Chief Manager (Electrical Maintenance)
Numaligarh Refinery Limited

Email: bedabrat.bhagawati@nrl.co.in

FORMAT FOR COVERING LETTER

(On the Letter Head of the Applicant)

Applicant's Ref. No. : _____

Date: _____

Place: _____

To,

.....

Sub.: Expression of Interest (EOI) for supply of Power**NRL Ref.: EOI No. NRL/TS/PP/EOI/2024/01, dated**

Dear Sir,

We, the undersigned [insert name of the "Applicant"] having read, examined and understood in detail the INVITATION FOR EXPRESSION OF INTEREST, confirm that neither we nor any of our Parent Company/ Affiliate/ Ultimate Parent Company has submitted response other than this response directly or indirectly in response to the aforesaid EOI.

1. We give our unconditional acceptance to the EOI, issued by NRL, including its amendments and/or clarification, if any, the receipt of which is hereby acknowledged. In token of our acceptance to the EOI, the same have been signed & stamped by us and enclosed with the response.
2. We have submitted our response strictly as per provisions and formats of the EOI, without any deviations, conditions and without mentioning any assumptions or notes.
3. We hereby unconditionally and irrevocably agree and accept that the decision made by NRL in respect of any matter regarding or arising out of the EOI shall be binding on us. We hereby expressly waive any and all claims in respect of EOI process. We confirm that there are no litigations or disputes against us, which materially affect our ability to participate or function under the obligations with regard to EOI.
4. Details of the contact person of the applicant are furnished as below:

Name :

Designation :

Address :

Contact number :

Email id :

5. We are enclosing herewith the entire response containing duly signed formats in electronic format in CPP portal as per the EOI for consideration.
6. It is confirmed that our response is consistent with all the requirements of submission as stated in the EOI and subsequent communications from NRL, if any.
7. The information submitted in our response is complete, strictly as per the requirements stipulated in the EOI and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response.
8. We confirm that all the terms and conditions of our response are valid for acceptance for a period of twelve (12) months from the response Deadline.
9. We are submitting the bid against Para No. 4 of the EOI as (Tick the relevant box / boxes):

☐ Power Generation Company
☐ Licensed Power Trader
10. We understand that NRL is not bound to accept any response it receives.

Yours sincerely

Signature Name Designation

(Authorized Person in whose name Power of Attorney is issued)

Applicant's General Information

Applicant shall submit following general information along with supporting documents:

1. Name of the Company/Lead Partner of Consortium/ Affiliates/Representatives/: (Strike off whichever is not applicable)
2. Legal status of the Company/Consortium/Affiliates/Representatives
3. Brief description of the Company/Consortium/Affiliates/Representatives including details of its business groups/subsidiaries:
4. Date of Incorporation:
5. Date of Commencement of Business:
6. Full address including Telephone nos.:
 - a. Registered Office:
 - b. Head Office:
 - c. Address for communication:
 - d. Contact Details:
 - e. Office Address in India, if any:

Any other documents considered relevant

(Sign & Company Seal)
Authorized Signatory

Technical Credentials of Applicant

Following documents/ information shall be submitted by applicant in support of their technical credential:

1. A brief write-up on the Applicant's Domain Expertise in generation & supply of Power in India.
2. Advantages / merits of Applicants supply model o over other players in the market.
3. Details of existing & planned project/s of non-RE generation as per annexure-A).
4. Details of existing & planned project/s of RE generation as per annexure-B).
5. Proposed qty of supply of RE & Non-RE power, along with terms and conditions for supply of power.
6. Proposed Model to supply power. Please elaborate the tenure of power supply proposed (Short, Medium or Long) and the transaction model (whether Group Captive or through non-captive regular PPA or PPA under cost-plus regime)
7. Copy of certificate from customer on satisfactory performance in supply of power.
8. Detail about the collaboration / tie up details with any manufacturer (if applicable).
9. Month wise Generation profile (for last 12 months)
10. A typical day wise Generation profile (on hourly basis)
11. Interstate/Trading license (copy to be enclosed), Category of License (in case of traders only), its validity etc. :
12. Any other technical detail which applicant would like to highlight, about its technology for consideration of EOI, in future.

(Sign & Company Seal)
Authorized signatory

Financial Credentials of applicant

Following documents to be enclosed related to financial credential of the applicant:

1. Copies of Audited Financial statements (Annual Reports) for last 3 years.
2. Following financial data as certified by a Chartered/ Cost Accountant (with membership number and firm registration number) to be provided as per below format

In INR Cr.

Sl No.	Description	FY 2021-22	FY 2022-23	FY 2023-24
1	Net worth			

Following additional documents to be enclosed related to financials of the applicant:

1. Credit Rating (with Rating Agency details)
2. Following financial data to be provided as per below format

In INR Cr.

Sl No.	Description	FY 2021-22	FY 2022-23	FY 2023-24
1	Annual Turnover			
2	Paid up share capital			
3	Profit before taxes			

(Sign & Company Seal)
Authorized signatory

Indicative landed cost of Non RE power to the Applicant:

Sl. No.	Details	Unit	Indicative Value
1	Fixed charges to applicant	(Rs./kWh)	
2	Variable charges to applicant		
3	Transmission charges		
3.1	CTU charges	Rs./kWh	
3.2	STU charges	Rs./kWh	
3.3	CTU losses	%	
3.4	STU losses	%	
3.5	Discom wheeling Charges	Rs./kWh	
3.6	Electricity Duty	% on tariff	
3.7	Cross Subsidy Charges	Rs./kWh	
3.8	other charges	Rs/kWh	

Indicative landed cost of RE power to the Applicant:

Sl. No.	Details	Unit	Indicative Value
1	Fixed charges to applicant	(Rs./kWh)	
2	Variable charges to applicant		
3	Transmission charges		
3.1	CTU charges	Rs./kWh	
3.2	STU charges	Rs./kWh	
3.3	CTU losses	%	
3.4	STU losses	%	
3.5	Discom wheeling Charges	Rs./kWh	
3.6	Electricity Duty	% on tariff	
3.7	Cross Subsidy Charges	Rs./kWh	
3.8	other charges	Rs/kWh	

Detail of Thermal(Non-RE)Power generation facilities of the applicant:

Sl. No.	Details	Exiting			Project under plan/execution	
		Unit -1	Unit -2	Unit -3	Unit -1	Unit -2
1	Location of Power plant					
2	Installed Power generation capacity(MW)					
3	Type of generator (GTG/GE/STG)					
4	Date of commissioning					
5	Power plant design by					
6	Average PLF achieved					
7	Partner/s of Group captive, if any					
8	Fuel used for power generation(Coal/NG/Nuclear etc)					
9	Average heat rate(Kcal/Kwhr)					
10	Power supply voltage					
11	Average power generation rate					
12	Power generation connected to STU/CTU					
13	Distance of nearest CTU from power plant					
14	Merchant/ Surplus capacity available, if any					
15	Name of existing power consumer/s					
16	Total unit supplied to consumers during FY2024-25					

Applicants may add more columns, as applicable.

B. Detail of RE Power generation facilities of the applicant:

Sl. No.	Details	Exiting			Project under plan/execution	
		Unit -1	Unit -2	Unit -3	Unit -1	Unit -2
1	Location of Power plant					
2	Installed power generation capacity(MW)					
3	Type of RE(Solar/wind/Hydro/ CBG/MSW based etc.)					
4	Date of commissioning					
5	Power plant design /installed by					
6	Partner/s of Group captive , if any					
7	Avg power generation (MWhr/day)					
8	Avg CUF achieved (%)					
9	Power supply voltage					
10	Type of power (AC/DC)supplied					
11	Power generation connected to STU/CTU					
12	Distance of nearest CTU from the power plant					
13	Merchant/ Surplus capacity available, if any					
14	Name of power consumer/s					
15	Total unit supplied to consumers during FY2024-25					

---XXX---