EXPRESSION OF INTEREST (EOI)

FOR

PROCUREMENT OF USED COOKING OIL (UCO)

NUMALIGARH REFINERY LIMITED

(Schedule ‘A’ Company & subsidiary of OIL INDIA LIMITED

EOI Document Ref. No. EOI/BD/2025-26/04

Dated 27.06.2025

Expression of Interest (EOI) for procurement of Used Cooking Oil (UCO) to be used as feed for Sustainable Aviation Fuel Co-processing in Diesel Hydrotreater of Numaligarh Refinery Limited.

Numaligarh Refinery Limited (NRL) intends to invite Expression of Interest (EOI) from interested Agencies /Aggregators/Companies/Entities who would be interested in supplying Used Cooking Oil (UCO) to the tune of 24000 MT per year or 2000 MT per month for use as renewable feedstock for Sustainable Aviation Fuel (SAF) co-processing in Diesel Hydrotreater (DHDT) of NRL, on a long term basis.

1. Background

Numaligarh Refinery Limited (NRL) is a public sector undertaking, with shareholding of Oil India Limited (77.06%), Govt. of Assam (18.57%) and Engineers India Limited (4.37%). The refinery located at Golaghat District in Assam was commissioned in the year 2000 with a crude processing capacity of 3 million tonnes per annum (MMTPA) to process indigenous low sulphur crude oil of Assam. Product range includes LPG, Naphtha, Motor Spirit (MS), Aviation Turbine Fuel (ATF) Superior Kerosene Oil (SKO) High Speed Diesel (HSD), Raw Petroleum Coke (RPC) Calcined Petroleum Coke (CPC), Wax, Nitrogen, Mineral Turpentine Oil (MTO), Special Boiling Point Spirit (SBPS) and solid and Liquid Sulphur.

NRL is in the process of installing a parallel new refinery of crude oil processing capacity of 6 MMTPA to expand its capacity from present 3 MMTPA to 9 MMTPA. The new Refinery will be processing imported Arab mix crude oil (70% AH: 30 % AL) in CDU/ VDU. One of the output streams from the expanded capacity will be 350-400 KTPA of propylene.

2. Introduction

Aviation industry is witnessing rapid growth and is poised to keep this momentum in view of envisaged higher GDP growth of the country. With inevitable demand growth of “Aviation Turbine Fuel” (ATF), blending of ATF with “Sustainable Aviation Fuel” (SAF) using renewable feedstock will be a major step towards self-reliance and de-carbonization of the aviation sector in line with India’s commitment for achieving “Net Zero” by year 2070. Unlike traditional Jet fuel, SAF is produced from renewable sources such as Used Cooking oil, animal tallow, non-edible waste vegetable oils (High FFA CPO / PFAD / Sludge Palm Oil / Palm Oil Mill effluent extract Oil / Spent Bleaching Extract Oils/ Palm Empty Fruit Bunch Oil), agricultural waste, municipal solid waste and forest residue etc.. It is estimated that the SAF has the potential to reduce greenhouse gas emissions by up to 80% compared to conventional jet fuels.

In line with the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) mandate, the National Biofuel Coordination Committee (NBCC) has set the initial indicative targets for blending of SAF with jet fuel from 2027 onwards, starting with international flights. The indicative targets are 1 percent blending from 2027 and 2 percent from 2028.

3. SAF Co-processing in existing Hydrotreaters

India has a roadmap for Sustainable Aviation Fuel (SAF) adoption, with a target of a 1%, 2% & 5% SAF blend by year 2027, 2028 & 2030 respectively for aircraft operating on international routes. This roadmap aims to align with ICAO's (International Civil Aviation Organization) CORSIA (Carbon Offsetting and Reduction Scheme for International Aviation) scheme. The Indian government is promoting SAF production and utilization through policy frameworks and initiatives like the "Repurpose Used Cooking Oil" (RUCO) initiative.

For early compliance of SAF blend mandate, Government of India is encouraging all Oil PSUs to implement SAF co-processing options in existing kero/diesel hydrotreater. SAF co-processing is a method for producing sustainable aviation fuel (SAF) by integrating renewable feedstocks into existing petroleum refining processes, specifically within hydrotreaters. This means that renewable feedstocks like vegetable oils, animal fats, and waste oils are processed alongside conventional crude oil in the same hydrotreating units used for producing conventional jet fuel.

NRL is planning to repurpose its existing 700 KTPA capacity DHDT for producing Sustainable Aviation Fuel through co-processing of renewable feedstocks such as UCO (used cooking oil).

4. Purpose of the EOI

NRL has issued this Expression of Interest with the intention to explore for interested Agencies /Aggregators/Companies/Entities who would be interested in supplying Used Cooking Oil (UCO).

NRL intends to process 24,000 MT of UCO per year (2,000 MT per month). However, the bidder is free to propose/indicate any quantity above/below this as committed/guaranteed UCO quantity as per their sourcing capability (For example: 5,000/10,000 MT per year etc.).

The information/ inputs collected from this EOI will be utilized to take suitable decision on strategic business partnership with the respondents for long term sourcing of UCO by NRL for SAF Co-processing.

The participant interested parties will be required to give a detail presentation to NRL, to understand their sourcing capabilities and their intended/proposed supply chain and logistic arrangement to supply UCO to NRL.

Note: This is not an invitation to tender.

5. Specifications of Used Cooking Oil required by NRL (24000 MT/year): -

The specifications of Used Cooking Oil (UCO) that NRL will be requiring is detailed below –

No	Pretreatment Feedstock Specification	Unit	UCO
1	Free Fatty Acid	wt % (max)	7 ~ 8
2	Total Fatty Acid	wt % (min)	90
3	Water	wt% (max)	1 ~ 1.5
4	Insoluble Impurities	wt% (max)	0.8
5	Unsaponifiables	wt% (max)	1
6	Total Metals (Si,Fe,Al,K,Na,Ca, Mg,P)	wt ppm (max)	250
7	Phosphorous	wt ppm (max)	30 ~ 50
8	Sodium	wt ppm (max)	105
9	Nitrogen	wt ppm (max)	110
10	Total Sulphur	wt ppm (max)	50 ~ 70
11	Total Chloride	wt ppm (max)	155
12	Organic Chloride	wt ppm (max)	20
13	Polyethylene	wt ppm (max)	50

6. Desired Criteria

The EOI respondent must meet the following desired criteria:

- The respondent must have prior experience in sourcing UCO for production of Biofuel. Applicant must possess secured arrangement of sourcing/collection of UCO for production of SAF meeting the CORSIA (Carbon Offsetting and Reduction Scheme for International Aviation) Guidelines.
- Bidder should be capable of complying the audit requirements for sustainability certification by accredited agencies of ISCC/RSB.

- In support of the above, the applicant will furnish the copy of Term Sheet /contracts/ Supply order with the suppliers/ Aggregators/ Buyers, with relevant International Sustainability Carbon Credit certificate (ISCC). The applicant must also provide their prospective/ potential UCO supply plan meeting NRL's requirement of 24 KTPA (or less as possible).

- Respondent must also give a detailed presentation to NRL, showcasing their sourcing capabilities including the guaranteed UCO quantity they will be able to supply, their intended/proposed supply chain and logistic arrangement to supply UCO to NRL. Respondent should also incorporate a detail write-up on this in their EOI response.

7. Documents required to be submitted

In response to this EOI, the following documents needs to be submitted:

i) Brief details of the respondent : **FORM A**

ii) Specific experience relevant to required capabilities : **FORM B**
(Along with documentary evidence)

iii) Financial Details: **FORM C**
[also submit copies of last 3 years' financial statements (Balance Sheet, Profit & Loss Account and Auditor's report]

iv) Write-up on their sourcing capabilities including the guaranteed UCO quantity they will be able to supply, their intended/proposed supply chain and logistic arrangement.

8. Pre-EOI submission meeting:

Interested parties may attend the pre-EOI meeting to be held at NRL Corporate Office Guwahati on 3rd July 2025 at 11:00 AM. Pre-EOI meet can also be attended in virtual mode. Link will be shared by 2nd July 2025 in website/social media.

9. Submission of response to the EOI:

I. **Interested Agency shall upload the Expression of Interest by duly filled in forms along with its attachments at e-procurement portal http://eprocure.gov.in/eprocure/app , latest by 22.07.2025 upto 17:00HRS (IST). Response submitted shall be opened on 23.07.2025 at 14:00 HRS (IST).**

II. In addition to uploading on e-procurement portal, prospective parties may submit their "Expression of Interest" with duly filled in Forms including all attachments latest by 05:00 PM of 22.07.2025 in a sealed cover or {scan copy may also be submitted through email } to:

Chief Manager (Business Development)
Numaligarh Refinery Limited
NRL Centre, 122-A
G.S. Road, Ganeshguri
Guwahati, Assam, India
Pin: 781005
E-Mail id: eebon.dutta@nrl.co.in; Mobile : +919435408025

10. **Disclaimer**:

I. NRL has issued this Expression of Interest with the best intention to explore the interested and eligible parties for procurement of UCO for SAF co-processing in its DHDT. NRL does not guarantee conversion of this EOI into any definitive contractual agreements.

II. The EOI is liable to be ignored in case of submission of any misleading/false representation by the responding Entity/ Agency in the form of statements and attachments.

III. This EOI is non-binding in nature and submission of information should not be considered as shortlisting/ selection for company in any subsequent RFP/ Tender/ Bid process that may be undertaken in future.

IV. No participant shall contact NRL on any matter relating to the EOI after the last date of submission of EOI unless requested for so in writing. Any effort by the responding entity/ agency to influence NRL in the decision making in respect of EOI will result in the rejection of that entity/agency.

V. It is also agreed that NRL in its sole discretion, may reject any and all proposal made by respondent(s), may change the conditions relating to the EOI or cancel this EOI at any time without assigning any reason.

VI. Prospective respondent(s) acknowledge and agree that response to the EOI is purely voluntary action on their part and for any expenditure on this account shall be borne by the respondent(s).

VII. NRL will have no obligation or liability to the respondent(s) in the event of cancellation of EOI.

11. General

- Post submission of response against the EOI, NRL may notify through its website about the discussions/meeting with respect to the EOI with the responding entities / agencies.

- For any clarification, you are requested to contact {+919435408025} and {eebon.dutta@nrl.co.in}.

- *Respondents are requested to keep themselves updated with the website on regular basis for any addition / deletion / modification / clarification or notification in respect of this, at EOI stage. No separate notification will be issued in any other media.*

FORM - A

DETAILS OF THE RESPONDENT

1. **Name of Company:**

2. **Address details (1): -**

   (Address of prime place of business like Head office/Registered office/Corporate Office / Marketing Office etc.)

   - Village/Locality:-
   - Street & House No. :-
   - City :-
   - State :-
   - Country
   - Postal code:-

3. **Contact details :-**

   - Name of the contact person(s):-
   - Phone/Mobile no. :-
   - E-mail id :-

5. **Details of the Entity/Agency (please enclose copies of relevant documents):-**

   - TIN No.:-
   - PAN No.:-
   - GST registration no. and address: -
   - Last three years net worth of the Entity/Agency :- (Audited Balance Sheet/Annual Reports to be enclosed)
   - Last three years turnover:- (Audited Balance Sheet/Annual Reports to be enclosed)

6. Type of Entity/Agency : Whether Limited Company/Proprietorship/Partnership/Joint Venture etc. (Relevant Supporting Documents to be provided)

FORM B

Sl. No.	Details of business(es) related to sourcing of Used Cooking Oil (UCO). [Please provide details related to sourcing/aggregating agreements]	Year of start	Additional Remarks.
1.			
2.			
3.			
4.			

(SIGNATURE OF BIDDER)

Form C

FINANCIAL DETAILS

a. **Entity/ Agency is a parent company (i.e., having its subsidiaries): < Entity/ Agency to select either of the following options and strike off the other>.**

   i. **Financial details are of parent company without the financial data of subsidiaries**

   ii. **Financial details are of parent company including the financial data of subsidiaries. It is further certified that separate annual report of Entity/Agency, without the financial data of subsidiaries, is not prepared and audited.**

OR

b. **Entity/ Agency is a subsidiary company: < Entity/ Agency to select either of the following options and strike off the other>.**

   i. **Financial details are of subsidiary company**

   ii. **Financial details are of parent company including the financial data of subsidiaries. It is further certified that separate annual report of Entity/ Agency (i.e. subsidiary), is not separately prepared and audited.**

OR

c. **Entity/ Agency does not have any subsidiary or parent company: Financial details of the Entity/ Agency itself.**

OR

d. **Entity/ Agency is Joint Venture Company (Either incorporated or un-incorporated) : Financial details of the Entity/ Agency incase on incorporated or of all the JV Partners in case un-incorporated JV :**

Sl. no.	Description	Year	Value in Currency (______)	In case of currency in Financial statement is other than INR/USD, value to be converted in USD (*)
1.	Turnover	Latest financial year (__)		
		Preceding 1st year (__)		
		Preceding 2nd year (__)		
2.	Net Worth	Latest financial year (__)		
3.	Working Capital	Latest financial year (__)		

Notes:

1. Entity/ Agency shall provide financial data based on their standalone financial statements. In case standalone financial data is not prepared and audited, only in that case Entity/ Agency shall furnish the consolidated financial data.
2. Net worth calculation: Net worth means paid up share capital, Share Application Money pending allotment* and reserves# less accumulated losses and deferred expenditure to the extent not written off. Net worth has been calculated using the following formula, as per provisions of the enquiry document:

Reserves to be considered for the purpose of net worth shall be all reserves created out of the profits and securities premium account but shall not include reserves created out of revaluation of assets, write back of depreciation and amalgamation.

* Share Application Money pending allotment will be considered only in respect of share to be allotted.

Description		**Values <in Currency>**
Paid up Share capital (A)	:	
Add: Share Application Money pending allotment (B)	:	
Add: Reserves (As defined above) (C)	:	
Less: Accumulated Losses (D)	:	
Less: Deferred Revenue Expenditure to the extent not written off (E)	:	
Net Worth (A+B+C-D-E)	:	

3. Working Capital calculation: Working Capital shall be Current Assets minus Current Liabilities.
4. Turnover (for the Financial statement pertaining to post GST regime): Turnover shall be taken as Revenue from operation (excluding GST) as stated in Financial Statement of the Entity/ Agency, excluding other Income.

   However, Turnover for the Financial statement pertaining to pre-GST regime shall be calculated as Revenue from operation Including Excise Duty but Excluding Other Income.
5. Net worth, Working Capital and Turnover have been calculated using the above mentioned formulae and after giving effect to the impact of Audit Qualifications given in the Audit Report.

(SIGNATURE OF RESPONDING ENTITY / AGENCY)