



ऑयल इंडिया लिमिटेड

(भारत सरकार का उद्यम) पंजीकृत कार्यालय: दुलियाजान, असम

Oil India Limited

(A Government of India Enterprise) Registered Office "Duliajan, Assam"

प्लॉट. नं. 19, सेक्टर 16-ए, नोएडा-201 301, उत्तर प्रदेश

Plot No. : 19, Sector 16-A, Noida-201 301, Uttar Pradesh

दूरभाष / Telephone : 0120-2419000 फैक्स / Fax : 0120-2488310

CIN : L11101AS1959GOI001148 ई-मेल / E-mail : oilindia@oilindia.in, वेबसाइट / Website : www.oil-india.com

NATIONAL EXPRESSION OF INTEREST

EOI REF. NO BD (G)/05/06/2023/288

September 27, 2023

LAST DATE OF SUBMISSION: 15:00 HRS (IST) OF 18/10/2023

Sub: Expression of Interest “Inviting information on commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products”

(This document is meant for the exclusive purpose of identifying available commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued).

1.0 OIL INDIA LIMITED (OIL), a Government of India “MAHARATNA” Category Enterprise, is engaged in Exploration, Production & Transportation of Crude Oil and Natural Gas and Production of LPG in India with participating interest in E&P sector in various overseas projects. OIL with intent to contribute towards Government of India’s efforts for cleaner and greener fuel has established a total of 174.1 MW of Wind Energy Power Plants distributed over the states of Rajasthan, Gujarat and Madhya Pradesh. OIL has established two Solar Energy Power Plants (SEPP)s of capacity 14.0 MW in Jaisalmer, Rajasthan. As on date, a total of 188.1 MW of Renewable Energy is under OIL’s portfolio. OIL also established a Green Hydrogen pilot plant of capacity 10 Kg per shift (30 kg per day) at Jorhat, Assam.

OIL is pursuing an ambitious target to establish 25 numbers of CBG plant across India. In this connection, OIL is exploring technologies to convert biomass including organic MSW to biogas, green hydrogen and other by-products.

OIL intends to know whether any company is providing commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products.

Interested parties may apply to OIL stating but not limited to the following:

1. Technology:
2. Type of Raw Material:

3. Daily feed:
4. Mass to Fuel Conversion Efficiency
5. Target product(s): Biogas, Green Hydrogen and other by-products.
6. Quantity of Target product(s):
7. Operating temperature:
8. Process Water Foot Print:
9. Energy Foot Print: ** kWh/ Kg of Production.
10. Energy input:
11. Gas separation and purification technology:
12. Certifications / clearances: Process certification from reputed institutes (IIT or equivalent), PESO etc.
13. Process Origin:
14. Component localization:
15. The applicant should mention whether any project is operating or being planned in India using the offered technology.

2.0 Information Required as a part of Application: Applicants are required to submit the duly filed application form as mentioned below along with their supporting Documents/Certificates in the Attachments (Response Sheet No. 1,2 and 3) enclosed in this document.

3.0 Address for submission of Application:

Interested Applicants are requested to submit their application and other details as per attached format latest by 15:00 HRS (IST) OF 18/10/2023 to the following email addresses as per the formats given herewith:

- rk_tamuli@oilindia.in
- sksaikia@oilindia.in
- b_choudhury@oilindia.in
- [jyoti_sarkar@oilindia.in](mailto: jyoti_sarkar@oilindia.in)

For any clarification, the EOI applicant may contact the above.

Sd/-
Jyoti Sarkar
Senior Manager (BD)
Oil India Limited
Plot No. 19, Sector 16A, Noida- 201301

APPLICATION FORM

Oil India Ltd;
Plot No 19, Sector-16A,
NOIDA-201203

Sub: **EOI REF. NO BD (G)/05/06/2023/288 dtd. September 27, 2023 Inviting information on commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products.**

Gentlemen,

In line with the requirement we enclose herewith the following Attachments to our application:

- (a) **Attachment 1:** Applicants general information
- (b) **Attachment 2:** Information
- (c) **Attachment 3:** Declaration

We understand that you are not bound to accept our application or any other application you may receive.

Dated this _____ day of _____ 2023

Signature

(In the capacity of)

(Sign & Company Seal)
Authorized signatory

APPLICANT'S GENERAL INFORMATION

To

Oil India Ltd;
Plot No 19, Sector-16,
NOIDA-201203

Sub: **EOI REF. NO BD (G)/05/06/2023/288 dtd. September 27, 2023 Inviting applications for commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products.**

SN	Description	Details
1	Name of the Applicant	
2	Status of Firm/ Company: [Mark √]	Proprietorship Firm / Partnership Firm/ Company (Private or public)
3	Brief description of the Company/Consortium etc. including details of its business groups/subsidiaries	
3	Number of years in the business	
4	Registered Office Address:	
5	Operational Address:	
6	Telephone No. & Fax No.:	
7	E-mail ID & Website:	

8. **Documents to be enclosed:**

Technical Credentials – Relevant Product/System catalogues, Experience /Reference List, Copies of Customer Certificates, Engineering strengths, collaborations/tie-ups with manufacturer (if applicable), quality accreditations, etc.

9. Any other documents considered relevant.

(Sign & Company Seal)
Authorized signatory

INFORMATION TO BE SUBMITTED BY APPLICANT

To

Oil India Ltd;
Plot No 19, Sector-16,
NOIDA-201203

Sub: EOI REF. NO BD (G)/05/06/2023/288 dtd. September 27, 2023 Inviting applications for commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products.

1. Technology:
2. Capacity of the Plant:
3. Type of Raw Material:
4. Daily feed:
5. Mass to Fuel Conversion Efficiency
6. Target product(s):
7. Quantity of Target product(s):
8. Operating temperature:
9. Process Water Foot Print:
10. Energy Foot Print: ** kWh/ Kg of Production.
11. Energy input:
12. Gas separation and purification technology:
13. Certifications / clearances: Process certification from reputed institutes (IIT or equivalent), PESO etc.
14. Process Origin:
15. Component localization:
16. The applicant should mention whether any project is operating or being planned in India using the offered technology.
17. Capital and Operating cost

(Sign & Company Seal)
Authorized signatory

DECLARATION

To

Oil India Ltd;
Plot No 19, Sector-16,
NOIDA-201203

Sub: **EOI REF. NO BD (G)/05/06/2023/288 dtd. September 27, 2023 Inviting applications for commercially viable technologies for mass fractionation of biomass including organic MSW to produce biogas, green hydrogen and other by-products.**

Dear Sir,

We hereby confirm that we are not under any 'liquidation', any 'court receivership' or similar proceedings and 'bankruptcy' and we agree that if any noticed in future, our application may be rejected / terminated.

In case the applicant has any dispute in court of law of any kind which can affect the relationship with Oil India Limited in the subject above, in such case the applicant shall furnish the status of all cases along with all relevant documents.

(Sign & Company Seal)
Authorized signatory