



EXPRESSION OF INTEREST (EOI)

FOR

**IDENTIFICATION OF TECHNOLOGY PARTNER INCLUDING WORK OF DESIGN,
ENGINEERING, PROCUREMENT, CONSTRUCTION, COMMISSIONING, OPERATION
& MAINTENANCE AND MARKETING FOR SETTING UP OF WASTE PLASTIC TO OIL
UNIT**

EOI DOCUMENT NO.: **BCPL/BD/WPO/2025/ 01**

EOI PUBLISHING DATE: **11.12.2025**

LAST DATE FOR SUBMISSION OF EOI: **10.01.2026**



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1. NOTICE INVITING EXPRESSION OF INTEREST (EOI)

BCPL invites Expression of Interest (EOI) for selection of technology partners including work of design, engineering, procurement, construction, commissioning, operation & maintenance and marketing for setting up of Waste Plastic to Oil Unit at Dibrugarh, Assam.

The EOI is to be submitted through hard copy in closed covers at the following address on any working day during office hours on or before 17:00 hrs. on 10.01.2026 to -

General Manager (BD)
Brahmaputra Cracker and Polymer Ltd.
Administrative Building, Lepetkata
Dibrugarh, Assam, India-786006
Contact No. + 91-9435566971

EOI document can be downloaded from BCPL's Portal (<https://bcplonline.co.in>) under "Tender" section from 11.12.2025 onwards. Other details can be seen in the EOI document.



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2. SCHEDULE OF EVENTS:

Sr. No.	Event	Date of Event
1	Availability of EOI on website	11.12.2025
2	Last date of receiving of queries and comments	29.12.2025
3	Pre-EOI Meeting	02.01.2026
4	Last date of submission of EOI (hard copy)	10.01.2026
5	Date of Opening of EOI	12.01.2026



3. INTRODUCTION:

Brahmaputra Cracker and Polymer Limited (BCPL), a Central Public Sector Enterprise under the Ministry of Petroleum & Natural Gas (MoPNG), Govt. of India and is located at Lepetkata, Dibrugarh City, Assam, India. It operates the largest petrochemical complex in Northeast India. BCPL is a JV company with equity shareholders of GAIL (India) Limited, Oil India Ltd (OIL), Numaligarh Refinery Limited (NRL) and Government of Assam. The principal end products of the complex are Linear Low-Density Polyethylene (LLDPE) and High-Density Polyethylene (HDPE) of 220 KTA and Polypropylene (PP) of 60,000 TPA. These products are being marketed in Northeast, East, North, Southern part of India and export to Bhutan and Bangladesh.

As part of its diversification strategy, BCPL intends to set up a Waste Plastic to Oil plant to produce ISCC (*International Sustainability and Carbon Certification*) Plus Certified Pyrolysis Oil in the vicinity of Dibrugarh District, Assam.

This project is strategically significant for BCPL due to the following: -

- i. Supports EPR compliance under Plastic Waste Management Rules 2024.
- ii. Generates a profitable revenue stream from waste valorization.
- iii. Enhances BCPL's role in circular economy & sustainability leadership.
- iv. Creates potential for carbon credit monetization by GHG reduction.
- v. Contributes to the Govt. of India's mission on plastic waste management and energy transition.
- vi. Aligns with MoPNG's waste to energy mission along with NE region sustainability initiatives.

4. OBJECTIVES:

The objective of EOI is identification of partners who are interested in doing design, engineering, procurement, construction and commissioning for setting up of Waste Plastic to Oil Unit at Dibrugarh, Assam. It also includes Operation & Maintenance and Marketing of the product/byproduct under one single contract as per terms and conditions.

5. PROJECT DETAILS:

- i. **Capacity:** 15 TPD scalable up to 20 TPD.
- ii. **Feed Stock:** Plastic Solid Waste.
- iii. **Product & By-Product:** ISCC Plus certified Pyrolysis Oil and Carbon Char.

Address: Brahma Putra Cracker and Polymer Ltd., Administrative Building, Lepetkata, Dibrugarh, Assam, India-786006



- iv. **Ownership Model:** 100% ownership of BCPL.
- v. **Licensor & EPC Partner:** Selected through this EOI; no equity participation.
- vi. **Technology:** Automated, continuous pyrolysis system.
- vii. **Project Description:**

BCPL proposes to establish a Waste Plastic to Oil (WPO) Unit as part of its business diversification initiatives and in alignment with its commitments towards Sustainable Development Goals (SDGs) and Environmental, Social, and Governance (ESG) responsibilities.

The proposed unit will utilize waste plastic as feedstock, sourced from Dibrugarh Municipality, local scrap collectors, and other authorized waste management agencies in and around Dibrugarh. The waste plastic, after appropriate segregation and pre-processing, will be subjected to pyrolysis under controlled conditions to yield Pyrolysis Oil, Hydrocarbon Gas, and Carbon Char as products and by-products. The yield of Pyrolysis Oil shall be 60% (minimum) of feed. The Hydrocarbon gas generation during the process will be reused for self-sufficient operation of the pyrolysis process (except during start-up).

The Pyrolysis Oil produced is envisaged to be ISCC PLUS certified, enabling its sale in both domestic and international markets, thereby contributing to compliance with global ESG and circular economy standards.

In view of the above, BCPL invites Expressions of Interest (EOI) from competent and experienced Technology Partners for:

- a) Selection and supply of suitable pyrolysis technology.
- b) Design, engineering, procurement, construction and commissioning of the proposed unit.
- c) Operation and Maintenance of the unit.
- d) Marketing of the product and by-product.

The selected Technology Partner shall also be responsible for ensuring the availability and sustainable supply of waste plastic feedstock through the development of a long-term feedstock supply chain in coordination with relevant agencies and stakeholders in and around Dibrugarh. Additionally, the deployment and management of manpower required from the project's inception to its operation and maintenance phases shall fall under the complete responsibility of the selected partner.



BCPL will be the preferred marketer for the product and associated byproducts. However, if the party has prior experience in marketing similar natural of product and byproduct, it can be considered for marketing of the same on fallback basis.

viii. Validity of EOI:

The EoI shall be valid for a period of not less than 180 days from the EoI Due Date. BCPL reserves the right to reject any EoI which does not meet the requirement.

6. ROLES OF INTERESTED PARTY:

(A) Licensor & EPC Role:

- i. Provide licensed and patented technology with performance guarantee.
- ii. Deliver complete turnkey setup of the plant i.e. Design, Engineering, Procurement, construction and commissioning.
- iii. Ensure adherence to IS codes, ASME/API standards, OISD guidelines, PESO guidelines, CPCB/SPCB norms and other applicable Safety standards.

(B) O&M Role:

- i. Operate and maintain the plant for initial 05 years which may be extended based on mutually agreed terms and conditions.
- ii. Ensure sustained supply of feedstock to guarantee uninterrupted operation.
- iii. Deployment of suitable manpower, provide training and technology support.
- iv. Ensure process optimization and waste minimization,
- v. Ensure adequate preventive maintenance and minimize breakdown.
- vi. Hand holding BCPL for obtaining of ISCC PLUS certification.
- vii. Quality control of ISCC Plus certified pyrolysis oil.
- viii. Ensure compliance with MoEFCC, CPCB, SPCB, safety & ESG guidelines (if applicable) with mutually agreed terms and conditions.

(C) ESG Role:

- i. The technology should be such that it conforms to the guidelines released by Government and Statutory bodies from time to time aligning with environmental, social and governance regulations.



(D) Marketing Role:

- i. BCPL may be the preferred marketer for the product and associated byproducts. However, parties with marketing experience shall be preferred in case BCPL considers giving marketing responsibility to the party in future.
- ii. The selected party to maintain traceability/documentation as per ISCC PLUS guidelines.

7. BCPL's ROLES & RESPONSIBILITIES:

- a. Provide the required land of area to the tune of 3 Acres for the Waste Plastic to Oil unit.
- b. Construction of Boundary wall and associated road.
- c. Source of water supply.
- d. Provision of Electric supply from nearest sub-station of State electricity board.
- e. Granting necessary approvals upon compliance of necessary requirements.

8. CRITERIA:

(A) Technical Eligibility Criteria:

Technology partner selection will be based on the following criteria strictly: -

- i. Must own patented continuous and automated pyrolysis technology for ISCC Plus Certified Pyrolysis Oil on commercial scale by processing mixed-plastic waste.
- ii. Preferably should have proven track record of Design, Engineering, Procurement, construction and commissioning for at least one commercial scale plant (minimum 10 TPD capacity) in India.
- iii. Preferably should own ISCC plus certified commercial scale plant (minimum 10 TPD capacity) in India with minimum 2 years operational experience.
- iv. Should have marketing experience for ISCC Plus certified pyrolysis oil or similar nature of products.

(B) Risk Management Criteria:

- i. **Single Point Responsibility:** The party is accountable for non-performance of Licensor & EPC Role, O&M role.



9. IDENTIFICATION PROCESS:

This EoI is prequalification wherein the proposals of the interested parties will be evaluated by the internal committee of BCPL. The proposals shall include the broad information of technology, design, engineering, procurement, construction, commissioning, O&M and marketing to be used for the estimation of the above job. The evaluation committee formed by BCPL will identify the proposals for the proposed WPO project. The parties whose proposals have been identified, thereafter will be invited to submit detail proposals about the selected design (format and requirements for which shall be circulated later) as part of RFP (Tender) Process which shall occur at the next stage. The evaluation of the EoI proposals submitted will be carried out on Marking System based on the submissions by the parties of the EoI. The technology/methodology of participants who have scored 70 or more marks in the evaluation will only be identified for tendering process of WPO project.

All the participants shall note that purpose of this EoI is only to identify modern, suitable, ESG and cost-effective technology/methodology for the WPO project. Accordingly, the design, construction, O&M and Marketing will be evaluated for tendering process.

The marking system is as elaborated below-

S. No.	Particulars	Marks Obtained
1	Design Technology: 15 Marks i) Must own patented continuous and automated pyrolysis technology for ISCC Plus Certified Pyrolysis Oil on commercial scale by processing mixed-plastic waste. ii) Technology can adapt to changing feedstock volumes and future expansion needs.	
2	EPC Experience: 10 Marks Proven experience of Design, Engineering, Procurement, construction and commissioning for at least one commercial scale plant (minimum 10 TPD capacity) in India.	
3	O&M Experience: 10 Marks	



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	Must have experience in Operation and Maintenance of Waste Plastic to Oil plant in India (minimum 10 TPD capacity) for at least 2 years of experience.	
4	Marketing Experience: 10 Marks Must have established marketing experience for ISCC Plus certified pyrolysis oil or similar kind of product in India as well as abroad.	
5	Financial Parameters: 30 Marks i) Minimum annual turnover of INR 6.5 Cr. in any of the preceding 03 years. ii) Positive net worth.	
6	ESG & Regulations Compliances: 10 Marks Minimizing the environmental impact of the process commitment to sustainable practices and energy efficient technologies in the proposed process aligning with local, state, and national regulations and standards for ESG.	
7	Presentation- Max 15 Marks The bidder must give presentation on the technical proposal. The proposal shall be evaluated on the following points – i) Understanding level demonstrated of the scope of the project. ii) Commitment towards delivery the required project parameters. iii) Quality of response against queries raised by committee.	

10. BUSINESS TERMS & CONDITIONS:

1. **Technology Guarantee:** Party must provide performance guarantees for throughput, yield, product and byproduct quality.
2. **Compliance & Certification: ISCC Plus certification** mandatory; technology must have prior commercial references in India & abroad.
3. **Indemnity:** Party to indemnify BCPL against IPR violations, environmental non-compliance, and operational hazards.
4. **Spare Parts & AMC:**



Critical spares management with minimum mandatory inventory to be maintained with justifiable capex amount. AMC/OEM service management is required.

5. **Confidentiality & IP:** Technology details shared with BCPL to be covered under NDA.

11. **FINANCIAL TERMS:**

EPC and Opex margin shall be finalized on mutually agreed terms and conditions at later stage.

12. **SUBMISSION OF EOI WITH ATTACHMENTS:**

Applicants must submit the following:

- i. Form-I: Covering Letter.
- ii. Form-II: Information about the party.
- iii. Form-III: List of Documents against Eligibility Criteria.

13. **DISCLAIMER:**

This EOI is not a tender or RFP. BCPL reserves the right to modify, cancel, or defer the process without assigning any reason. Costs incurred for participation shall not be reimbursed.



FORMS TO BE ENCLOSED



Form: I

FORMAT FOR THE COVERING LETTER
(The letter is to be submitted by the Bidder on its letter head)

Date:

Brahmaputra Cracker and Polymer Limited
P.O. Lepetkata – 786006
Dist.: Dibrugarh,
Assam, India

Subject: Expression of Interest (EOI) for selection of technology partner and for the work of Design, Engineering, Procurement, Construction, Commissioning, Operation & Maintenance and Marketing for setting up waste plastic to oil unit, Dibrugarh, Assam.

Dear Sir,

This has reference to your EOI document no. **BCPL/BD/WPO/2025/ 01** on the subject.

_____ (Name of the Party), hereby submit its Expression of Interest (EOI) for selection of technology partner and for the work of Design, Engineering, Procurement, Construction, Commissioning, Operation & Maintenance and Marketing for setting up waste plastic to oil unit, Dibrugarh, Assam.

SIGNATURE,
NAME & DESIGNATION
Of authorized person of Bidder
(Please affix Seal)



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Form: II

INFORMATION ABOUT THE PARTY

1	BIDDER'S/ COMPANY NAME	
2	NAME & TYPE OF FIRM: PROPRIETARY/ PARTNERSHIP/LLP/PVTLTD/PUBLIC LTD/ CONSORTIUM/LLC/OTHERS (SPECIFY).	
3	INCORPORATION DOCUMENT OF BIDDER'S/ CONSORTIUM/ COMPANY	
4	GST REGISTRATION NO OF BIDDER'S/ COMPANY/ CONSORTIUM MEMBERS	
5	DESCRIPTION OF BIDDER'S BUSINESS/ MEMBER OF CONSORTIUM	
6	COMPANY ADDRESS	
7	CONTACT PERSON/ POSITION	
8	TELEPHONE NUMBER	
9	E MAIL ADDRESS	
10	DETAIL OF PROPOSAL BY THE PARTY- Technology, Description, PFD, plot plan, specification of products & byproduct and other relevant information related to the proposed project. (*)	

() May be provided in separate enclosure*

SIGNATURE,
NAME & DESIGNATION
Of authorized person of Bidder
(Please affix Seal)

Address: Brahmputra Cracker and Polymer Ltd., Administrative Building, Lepetkata, Dibrugarh, Assam,
India-786006

Website: <https://bcplonline.co.in>

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Form: III

List of Documents against Eligibility Criteria (as per clause 9.0)

S. No.	Description	Response
1.	Reference Unit	
	Technology Licensor	
	Location	
	Address	
2.	Capacity of ISCC PLUS certified commercial plant (TPD)	
3.	Years of experience in operation and maintenance (Yr)	
4.	Experience in Design, Engineering, Procurement, construction and commissioning for commercial scale plant in India (number of units)	
5.	Marketing experience for ISCC Plus certified pyrolysis oil (Yrs and detail with valid agreement /invoice)	
6.	Annual turnover (INR Cr.) in any of the preceding 03 years.	
7.	Positive Net Worth	

SIGNATURE,
NAME & DESIGNATION
Of authorized person of Bidder
(Please affix Seal)