



Ref : EOI/Formic Acid

Date: 28.03.2019

**Expression of Interest (EOI) for supplying Formic Acid for production of Bio-Ethanol at Numaligarh, Assam**

Assam Bio Refinery Private Limited (ABRPL) intends to invite Expression of Interest (EOI) from manufacturer, representative(s), Trader, Supplier of Formic Acid to supply the same on a long term basis for bio ethanol plant being developed by ABRPL in Numaligarh, Assam.

**1. About ABRPL:**

Assam Bio Refinery Private Limited (ABRPL or Company), is a Joint Venture (JV) Company between Numaligarh Refinery Limited (NRL), Chempolis OY, Finland and Fortum 3 B.V. Netherlands. The Company proposes to produce eco-friendly bio-ethanol, acetic acid and furfural/furfuryl alcohol from bamboo biomass. The project targets at larger production of sustainable bio-fuels in India to reduce India's dependence on imported petroleum. The bio-refinery will be based on Chempolis' 2nd generation bio-refining technology, which enables selective fractionation of biomass and co-production of multiple products in a sustainable way.

**2. Background:**

In 2008, Government of India announced its national policy on Bio fuels mandating a phase wise implementation of the program of ethanol blending in petrol in various states to the tune of 5%. However, due to shortage of ethanol, the program hadn't had much success. Learning from the past experiences, demand & supply status, government has revamped the program and has come out with National Policy on Bio fuels – 2018, wherein an indicative target of 20% ethanol blending in Petrol is proposed by 2030. Moreover, government is encouraging production of ethanol derived from multiple feedstock, second generation ethanol technologies and its commercialization.

**3. Objective of the EOI:**

ABRPL in line with national objectives is committed to develop and rapidly scale up the production of ethanol using 2<sup>nd</sup> generation technology. Considering the abundance of cellulosic feedstock (Bamboo) in north east region of India coupled with Government of India's policies to promote ethanol as renewable transportation fuel, ABRPL proposes to set up a bio-refinery plant in Numaligarh to produce ethanol and other platform chemicals using bamboo as feedstock. ABRPL, through this EOI intends to collect information about feasibility and availability of Formic Acid so as to ensure long term supply of Formic Acid in a sustainable way for the proposed plant.

**4. Implementation Model:**

ABRPL in association/co-ordination with various other state/private owned agencies shall identify parties who can supply Formic Acid. Formic Acid may be sourced either from domestic production or through import from other countries. The required quantity of Formic Acid is to be finally delivered at Assam Bio Refinery plant in Numaligarh, Assam.



Approximately 7000 Tons of formic acid (82-85% purity) is required per year for Assam Bio Refinery Pvt. Ltd (ABRPL) to produce 6 Crore litres of Bio Ethanol.

#### 5. Submission of EOI:

- I. Interested parties are required to submit information complete in all respects as per the format (Annexure-A).
- II. Prospective parties may submit their "Expression of Interest" duly signed as per Annexure A latest by 5 PM of **30/08/2019** in a sealed cover or {scan copy submitted through Email } to:

Vice President (Logistics)  
Assam Bio Refinery Private Limited  
Post box no. 003, Post office : NRC  
District : Golaghat , Assam , India  
Pin : 785699

E-Mail id: [anup.baruah@nrl.co.in](mailto:anup.baruah@nrl.co.in)  
Mobile : +919435054214

- III. Subsequently, ABRPL may notify through its website about the discussions meeting with respect to the EOI.  
For any clarification, you are requested to contact {+919435054214} and [anup.baruah@nrl.co.in](mailto:anup.baruah@nrl.co.in).

#### 6. Disclaimer:

- I. ABRPL has issued this Expression of Interest with the best intention to explore the market for interested Formic Acid manufacturer, representative(s), Trader, Supplier of Formic Acid and has no compulsions to enter into definitive contractual agreements. This EOI does not guarantee conversion of this EOI into any definitive contractual agreements.
- II. It is also agreed that ABRPL 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.
- III. 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).
- IV. ABRPL will have no obligation or liability to the respondent(s) in the event of cancellation of EOI.

Note: 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.



## **ANNEXURE A – DETAILS OF THE RESPONDENT**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Details</b>
1	Name of the Company	
2	Address	
3	Contact Person's Name & Address	
4	Contact Person's Email id	
5	Contact Person's Phone no.	
6	Country of Incorporation	
7	Area of Business	Manufacturer/Trader
8	Manufacturing Plant Location	
9	Plant Capacity (MT per annum) or Trading Volume	
10	Quality of Formic Acid (purity)	
11	Utilization of Formic Acid	Industrial Application (domestic/export) / others
12	Last Three years Net Worth of the Company	
13	Last Three years annual Turnover	
14	Annual Capacity available for supply to ABRPL	
15	Ex Works price per MT (Indicative)	
16	Price per MT (DDP) at Numaligarh, Assam	