

**BRAHMAPUTRA CRACKER AND POLYMER  
LIMITED DIBRUGARH ASSAM**



**EXPRESSION OF INTEREST (EOI) FOR  
PROCESSING & SALE OF CARBON DIOXIDE**

EOI DOCUMENT NO.:BCPL/LPKT/GSU/CO<sub>2</sub>/EOI/2019

DATE EOI ISSUANCE OF EOI: 18/02/2020  
LAST DATE FOR SUBMISSION OF EOI: 17/03/2020



## **EXPRESSION OF INTEREST (EOI) FOR OUTRIGHT PURCHASE /PROCESSING OF CARBON DIOXIDE**

**Brahmaputra Cracker and Polymer Limited (BCPL) Dibrugarh**

**EOI DOCUMENT NO.: BCPL/LPKT/GSU/CO2/EOI/2019**

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### **1. Background**

**Brahmaputra Cracker and Polymer Limited (BCPL)** has set up a Petrochemical Complex at Lepetkata. The complex is spread over 3000 Bighas of land at Lepetkata, and is situated at approximately 15 Kilometers away from the Tea City Dibrugarh, Assam.

The principal end products of the complex are High Density Polyethylene (HDPE) and Linear Low Density Polyethylene (LLDPE) totaling 2,20,000 Tons per Annum (TPA) and 60,000 TPA of Poly-Propylene (PP). The other products include Hydrogenated Pyrolysis Gasoline and Pyrolysis Fuel Oil.

At Petrochemical Complex, during processing of Natural gas, Carbon-di-oxide (CO<sub>2</sub>) is removed & vented as per approved technology provided by EIL. The process involves Amine absorption and regeneration for CO<sub>2</sub> capturing and removal.

BCPL intends to utilize the CO<sub>2</sub> by inviting from interested parties for processing CO<sub>2</sub> gas approximately 150 Tons/day for utilizing it by converting into value added product by setting up suitable CO<sub>2</sub> handling facility, viz. CO<sub>2</sub> liquefaction plant etc. preferably at BCPL Plant, Lepetkata and further transporting it in suitable tankers outside the premises of BCPL for sale.

### **2. Scope of Work**

The bidder has to develop/construct a facility considering utilization of approximately 150 Tons of CO<sub>2</sub> emitted/day. The bidder has to set up the facility for CO<sub>2</sub> processing into a valuable product, its storage and loading facility for transportation of the derived product through tankers. Raw CO<sub>2</sub> (120-150 TPD) is available at a pressure of 0.40-0.2 Kg/cm<sup>2</sup> at Petrochemical Complex. Normal specification of raw CO<sub>2</sub> contains 97% (mass) and remaining quantity contains mostly water and mild traces of Hydrocarbon Gases.

The operation and maintenance of the facility will be the sole responsibility of the bidder.

The utilities required for the above facilities like land, power, water, plant air etc. will be provided by BCPL at mutually agreed modalities at later stage. The bidder will have to furnish approximate quantity of land, power and any other utilities required for CO<sub>2</sub> liquefaction plant and loading facility.

All the statutory obligations for setting up the above facility have to be arranged by the bidder itself.

### **3. General/Organizational:**

- i) The constitution of the Bidder, whether Individual/ Proprietary Firm/ Partnership Firm/ Registered Company, must be clearly stated and relevant documents like partnership deed/ Memorandum of association & Article of



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Association etc. must be submitted.

- ii) The bid must be signed by a person holding the power of attorney or an authority letter of the power of attorney holder of the bidding entity – authority letter and power of attorney must be submitted.
  - iii) The Bidder (or partner in case of partnership firms) must be registered under GST and should submit necessary proof of the same along with the PAN card.
  - iv) The Bidder or (or any partner in case of partnership firms) must not be blacklisted or proceeding for black listing is initiated or debarred by any Govt. department in the last five years period preceding submission of the EOI and no work awarded to the Bidder should have been terminated during last five years on the ground of unsatisfactory performance. Bidder shall submit an affidavit declaring the same.
  - v) Bidder (or partner in case of partnership firms) should possess ISO accreditations for Quality Management (ISO: 9001) and Environment Management (ISO: 14001) and necessary documents will be submitted. In case the bidder is not ISO accredited then he shall submit the Quality Assurance Plan (QAP) and the Health Safety and Environment (HSE) Management plan for execution of the works.
  - vi) The bidder should be in a position to start mobilization of their resources at site to take up the assignment in the event of a contract within ninety days (90) days from the date of issue of LOI (Letter of Indent) by Company. The bidder is required to submit a declaration in this regard.
4. **Pre Qualification Criteria:** Considering that the proposed project is one of its kind in country and having a financial investment to the tune of Rs. 25 Crores approx. including commissioning, it is anticipated that the prospective bidder may be one who is technically as well as financially competent on its own. This expression of interest is invited from Entrepreneurs/Sole Proprietorships/ Partnerships/Companies (**herein after called bidder**) for their participation. EOI application/bid shall be evaluated on the basis of the following minimum qualification criteria:

### 4.1 Technical Criteria

- (i) The Bidder should have satisfactorily completed a Civil and Mechanical Piping works in a Refinery /Petrochemical plant/Fertilizer Plant/Chemical Plant for a minimum value of Rs. 12.50 Crores during the last seven years ending on the EOI submission due date. Bidder to submit the work order/contract document/agreement along with the completion certificate in this regard.

OR



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Bidder should have experience of operating its own CO<sub>2</sub> plant/Nitrogen Plant/Oxygen plant/other cryogenic liquefaction plant of 100 T/day capacity as on date.

- (ii) The bidder during the last Seven years ending previous day of last date of submission of tenders should have the experience of transporting minimum 1000MT of liquid hydrocarbon/petroleum products in one single year.

### **4.2 Financial Criteria**

**4.2.1 TURN OVER:** The **annual turnover** of the bidder must have **minimum value of Rs. 12.50 Crore** in any of the three (03) previous financial years ending on 31st March'2019. i.e. **FY: 2018-2019 , 2017-2018 & 2016-2017**

**4.2.2 NET WORTH:** Net Worth of the bidder should be **positive** as per the **last audited financial statement** i.e. **FY: 2018-2019.**

**4.2.3 WORKING CAPITAL:** The bidder should have **minimum working capital of value Rs. 2.5 Crore as per the last audited financial statement for the year** i.e. the financial year**2018-2019.**

**Note to above BEC clause no. 4.2:**

- a) If the bidder's working capital is negative or inadequate **as per PQC clause no. 4.2.3**, the bidder shall submit/upload a letter from the bidder's bank as per **Format, F-1**, having net worth not less than **Rs.100 Crores**, confirming the availability of the line of credit to cover the inadequacy of working capital to meet the working capital requirement as mentioned above at **PQC clause no. 4.2.3**(Format specified in tender document).*

Note:

- b) For proof of Annual Turnover & Net Worth, following documents must be submitted along with the EOI:
- a) A certificate issued by a practicing Chartered /Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth.

### **5.0 EVALUATION PROCEDURE**

- 5.1 The Techno commercial acceptable EoI's will be considered for next stage of evaluation methodology.



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**EOI DOCUMENT NO.: BCPL/LPKT/GSU/CO2/EOI/2019**

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### **5.2 The details submitted by the bidders will be evaluated in the following manner:**

The Minimum Eligibility Criteria prescribed in sl No.4,4.1,4.2 will first be scrutinized and the bidder's eligibility for the next stage of bid evaluation will be ascertained. Final selection will be based on Quality and Cost Based Selection (QCBS) system.

Bids of the bidders meeting the Minimum Eligibility Criteria will be considered for further evaluation of Techno-Commercial Criteria on the basis of various bid forms and supporting documents furnished by the bidder for award of marks/scores. Marks shall be awarded on the basis as detailed in the Evaluation Methodology for award of EOI in point no. 8. Bidder shall make a presentation on his credentials and proposed execution methodology in due date and time to be informed subsequently, and marks/score shall be awarded as per the evaluation matrix.

Bidders are required to furnish all relevant details/documents along with their bids so as to substantiate the award of marks/scores. No marks will be awarded for any of the criterion for which proper supporting documents are not submitted by the bidder; neither any further reference will be made to the bidder for supplementation as BCPL has to finalize the EOI application/bid and award the Contract within a limited time schedule.

After the Techno-commercial evaluation is completed, BCPL shall notify those Bidders who have qualified and are eligible for opening of the Financial Bid.

### **6. Risks**

The bidder should be well aware of the various risks involved in the setting/developing of the CO<sub>2</sub> extraction plant and marketing of its products. The bidder should conduct independent due diligence before committing to any investment decision. BCPL shall not be responsible for any of their business decisions or any future losses arising due to any unforeseen circumstances.

### **7. Presentation for QCBS**

The techno commercial qualified bidder will be given an opportunity to attend a discussion and give a presentation about their technical capabilities, credentials and tentative details related to the setting up of the proposed plant including the timeline for completion of the project. The presentation should also elaborate the



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inputs/utilities required from BCPL for the proposed plant. The presentation will be judged by a multidisciplinary committee and scores will be awarded for evaluation as per the QCBS methodology.

### **8. Evaluation Methodology for award of EOI**

The bidder obtaining the highest number in the following QCBS will be awarded the EOI:

| S.No | Description                                                                            | Maximum Marks | Remarks                                                                                                |
|------|----------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------|
| 1.   | Job executed & completed for a value mentioned in Technical BEC                        | 15            | 60% for minimum criteria. 100% for 1.5 times minimum criteria or above. Pro-rata in between            |
| 2.   | Job executed & completed for a value mentioned in Technical criteria in the North East | 5             | Bidder will be awarded 5 marks if the qualifying job was executed in the North East                    |
| 3    | Transportation of liquid hydrocarbon/petroleum products in tankers as mentioned in BEC | 10            | 60% for minimum criteria. 100% for 1.5 times minimum criteria. Pro-rata in between.                    |
| 4    | Ownership of hydrocarbon/petroleum product tanker/carrier in bidder's name             | 5             | 1 mark for ownership of each Tanker.<br>Minimum 3 tankers must be owned by the bidder to obtain marks. |
| 5    | Financial Criteria as per BEC                                                          | 20            | 60% for minimum criteria. 100% for 1.5 times minimum criteria. Pro-rata in between                     |
| 6    | Presentation                                                                           | 15            | Bidder will be awarded marks based on his presentation of his                                          |



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**Brahmaputra Cracker and Polymer Limited (BCPL) Dibrugarh**

**EOI DOCUMENT NO.: BCPL/LPKT/GSU/CO2/EOI/2019**

|   |           |     | proposal to BCPL                                                                                                                                 |
|---|-----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 | Price Bid | 30  | The bidder offering the highest per MT rate (H1) will be given 25marks, H1-10% will be given 20 marks, H1-20 % will be given 15 marks and so on. |
|   | Total     | 100 |                                                                                                                                                  |

**10. Validity of EoI agreement**

The validity of EoI agreement will be initially for a period of 10 years. After completion of 10 years, the validity of agreement can be further extended for a period of 5 years on mutually agreed terms and conditions at that point of time.

**11. Price Bid**

The CO<sub>2</sub> extraction plant is to be set up by the bidder in the best possible time schedule. The product derived from the CO<sub>2</sub> extraction plant is to be marketed by the bidder and its loading into suitable tankers and transportation will be the sole responsibility of the bidder. As the quantity of CO<sub>2</sub> available for extraction may vary depending upon various factors like availability of natural gas, plant operation issues etc wherein the per day quantity may vary.

Also, it will be difficult for both BCPL & bidder for maintaining a record of extracted CO<sub>2</sub> per day. Hence, to eradicate all pricing difficulty and to provide an equal business opportunity the pricing of CO<sub>2</sub> will be as following: The bidder has to ensure that at least 50% quantity of extracted CO<sub>2</sub> is sold on quarterly basis for 1<sup>st</sup> year only.

Bidder to quote per MT price (**excluding taxes/duties etc.**) that bidder intends to offer to BCPL. Before dispatching CO<sub>2</sub> from BCPL premises, the amount as per the quote per MT rate is required to be deposited to BCPL account before sale. BCPL account details will be provided during award of EOI. The price bid format is attached herewith as **annexure-I**

**There will be an annual increment of 2 % on quoted rate per completed year of operation.**



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**FORM-I**

**FORMAT FOR THE COVERING LETTER**

(The letter is to be submitted by the Bidder on its letter head)

To,  
Brahmaputra Cracker and Polymer Limited (BCPL)  
P.O. LEPETKATA  
DISTRICT: DIBRUGARH  
786006, ASSAM (India)

Subject: Expression of Interest (EOI) for CO2 emitted from BCPL

Dear Sir,

This has reference to your EOI document no. EOI DOCUMENT NO: BCPL/GSU/CO2/EOI/2020 on the subject. \_\_\_\_\_.

\_\_\_\_\_ (Name of the Bidder), hereby submit its Expression of Interest (EOI) for utilization/processing of \_\_\_\_\_ Ton/Day of CO2 at BCPL for a period of 10 years, that shall be extendable and in accordance with the conditions stipulated in the EOI document.

(SIGNATURE)

NAME AND DESIGNATION

Of authorized person of Bidder

(Please affix Seal)



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**EOI DOCUMENT NO.: BCPL/LPKT/GSU/CO2/EOI/2019**

**Form: II**

**INFORMATION ABOUT THE BIDDER**

1. Name and Address of Bidder:

2. Date of Registration of bidder:

(Please enclose certificate of incorporation / registration)

3. Brief description of Bidder's Business:

4. Contact Person:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Contact No. : \_\_\_\_\_

Email ID: \_\_\_\_\_

(SIGNATURE)

(NAME AND DESIGNATION)

Of authorized person of Bidder

(Please affix Seal)



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**EOI DOCUMENT NO.: BCPL/LPKT/GSU/CO2/EOI/2019**

**FORM: III**

**ADDITIONAL INFORMATION**

| <b>S. No.</b> | <b>Description</b>                                                             | <b>Response</b> |
|---------------|--------------------------------------------------------------------------------|-----------------|
| 1.            | Reference Unit                                                                 |                 |
|               | Technology Licensor                                                            |                 |
|               | Location                                                                       |                 |
|               | Address                                                                        |                 |
| 2.            | Technical Experience<br>Such as Years of operation, etc.                       |                 |
| 3.            | Broad plan for setting up CO2<br>utilization plant in petrochemical<br>complex |                 |
| 4.            | Financing Plan for setting up of CO2<br>Plant at BCPL                          |                 |

(SIGNATURE)

(NAME AND DESIGNATION)

Of authorized person of Bidder

(Please affix Seal)



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**BID FORM-IV**

**DETAILS OF QUALIFYING WORKS OF SIMILAR NATURE COMPLETED  
DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST  
DATE OF SUBMISSION OF TENDERS**

| Sl<br>·<br>No. | Name<br>of<br>work/pr<br>oject<br>and<br>location | Owner<br>of<br>sponsor<br>ing<br>organiz<br>ation | Cost<br>of<br>work<br>(Rup<br>ees in<br>Lakh<br>) | Date of<br>commence<br>ment as<br>per<br>Contract | Stipula<br>ted<br>date of<br>comple<br>tion | Actual<br>date of<br>comple<br>tion | Litigat<br>ion/<br>arbitra<br>tion<br>cases<br>pendin<br>g in<br>progre<br>ss<br>with<br>details<br>* | Name<br>and<br>address<br>/<br>telepho<br>ne<br>number<br>of<br>officer<br>to<br>whom<br>referenc<br>e may<br>be made | Rem<br>arks |
|----------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------|
|                |                                                   |                                                   |                                                   |                                                   |                                             |                                     |                                                                                                       |                                                                                                                       |             |
|                |                                                   |                                                   |                                                   |                                                   |                                             |                                     |                                                                                                       |                                                                                                                       |             |
|                |                                                   |                                                   |                                                   |                                                   |                                             |                                     |                                                                                                       |                                                                                                                       |             |
|                |                                                   |                                                   |                                                   |                                                   |                                             |                                     |                                                                                                       |                                                                                                                       |             |

Instructions for filling up the form:

- 1) Bidder to state only the requisite number of qualifying works as per the Techno-Commercial Evaluation Criteria.

SIGNATURE,

NAME & DESIGNATION

Of authorized person of Bidder

(Please affix Seal)



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**ID FORM-V**

**FORMAT FOR CHARTERED ACCOUNTANT CERTIFICATE/ CERTIFIED PUBLIC  
ACCOUNTANT (CPA) FOR FINANCIAL CAPABILITY OF THE BIDDER**

We have verified the Audited Financial Statements and other relevant records of  
M/s..... (Name of the bidder) and certify the following:

**A. AUDITED ANNUAL TURNOVER\* OF LAST 3 YEARS:**

| Year    | Amount (Currency) |
|---------|-------------------|
| Year 1: |                   |
| Year 2: |                   |
| Year 3: |                   |

**B. NETWORTH\* AS PER LAST AUDITED FINANCIAL STATEMENT:**

| Description  | Year ____         |
|--------------|-------------------|
|              | Amount (Currency) |
| 1. Net Worth |                   |

**C. WORKING CAPITAL\* AS PER LAST AUDITED FINANCIAL STATEMENT :**

| Description                                                 | Year ____         |
|-------------------------------------------------------------|-------------------|
|                                                             | Amount (Currency) |
| 1. Current Assets                                           |                   |
| 2. Current Liabilities                                      |                   |
| 3. Working Capital (Current Assets-<br>Current liabilities) |                   |

*\*Refer Instructions on next page...*

**Note: It is further certified that the above mentioned applicable figures are matching with the  
returns filed with Registrar of Companies (ROC) [Applicable only in case of Indian Companies]**

Name of Audit Firm:  
Chartered Accountant/CPA  
Date:

[Signature of Authorized Signatory]  
Name:  
Designation:  
Seal:

Membership No.:



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**FORM VI**

**Transportation Experience**

| Cumulative Quantity of Inflammable Petroleum Product Transported in years |           |           |           |           |           |
|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| 2013-2014                                                                 | 2014-2015 | 2015-2016 | 2016-2017 | 2018-2019 | 2019-2020 |
|                                                                           |           |           |           |           |           |
|                                                                           |           |           |           |           |           |

SIGNATURE,

NAME & DESIGNATION

Of authorized person of Bidder

(Please affix Seal)



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**FORM VII**

**FORMAT FOR CERTIFICATE FROM BANK  
IF BIDDER'S WORKING CAPITAL IS INADEQUATE/NEGATIVE**

(To be provided on Bank's letter head)

Date:

To,

**M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED**

Dear Sir,

This is to certify that M/s ..... (Name of the Bidder with address) (Hereinafter referred to as Customer) is an existing Customer of our Bank.

The Customer has informed that they wish to bid for BCPL's Tender No. ....

dated..... for .....(Name of the supply/work/services/consultancy) and as per the terms of the said Tender Document they have to furnish a certificate from their Bank confirming the availability of line of credit.

Accordingly M/s ..... (Name of the Bank with address) confirms availability of line of credit to M/s ..... (Name of the Bidder) for at least an amount of Rs. \_\_\_\_\_

It is also confirmed that the net worth of the Bank is more than Rs. 100 Crores (or Equivalent USD) and the undersigned is authorized to issue this certificate.

Yours truly

For ..... (Name & address of Bank)

(Authorized signatory)

Name of the signatory :

Designation :

Stamp :



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**Annexure-I**

**Price Bid Format**

| S.No | Quoted Rate per MT (In Number) | Quoted rate per MT (In Words) |
|------|--------------------------------|-------------------------------|
| 1    |                                |                               |
|      |                                |                               |

**Note: The quoted price is exclusive of any taxes/duties etc.**

SIGNATURE:

NAME & DESIGNATION

Of authorized person of Bidder

(Please affix Seal)



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