



GAIL (INDIA) LIMITED & its CGD JVs AND GAIL GAS LIMITED & its JVs
Invite

**Expression of Interest
 (EOI)**

From

**ENTREPRENEURS / SOLE PROPRIETORSHIPS / PARTNERSHIPS /
 LIMITED LIABILITY PARTNERSHIPS / COMPANIES/ COOPERATIVE SOCIETIES /
 TECHNOLOGY PROVIDERS**

For

SUPPLY OF COMPRESSED BIO GAS (CBG)

Under

SATAT

(Sustainable Alternative towards Affordable Transportation)

S No.	Name of CGD Company	Website
1	GAIL (India) Limited	www.gailonline.com
2	GAIL Gas Limited	www.gailgas.com
3	Aavantika Gas Limited	www.aglonline.net
4	Bhagyanagar Gas Limited	www.bglgas.com
5	Central UP Gas Limited	www.cugl.co.in
6	Green Gas Limited	www.gglonline.net
7	Mahanagar Gas Limited	www.mahanagargas.com
8	Maharashtra Natural Gas Limited	www.mngl.in
9	Tripura Natural Gas Company Limited	www.tngclonline.com
10	Vadodara Gas Limited	www.vgl.co.in
11	Godavari Gas Private Limited	www.godavarigas.in
12	Rajasthan State Gas Limited	www.rsgl.rajasthan.gov.in
13	Haridwar Natural Gas Private Limited	www.hngpl.in
14	Goa Natural Gas Private Limited	www.goanaturalgas.com

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES



(Press Release)

NOTICE INVITING EXPRESSION OF INTEREST (EOI)

Ref.: GAIL_CBG03

Date: 17/01/2019

SUPPLY OF COMPRESSED BIO GAS (CBG) TO GAIL (India) Limited & its CGD JVs and GAIL GAS Limited & its JVs

1. GAIL (INDIA) LIMITED is the largest Natural Gas Transmission and Marketing Company in India. Further, GAIL along with its CGD JVs / Subsidiaries and its JVs are engaged in development of City Gas Distribution (CGD) business to supply Gas to various sectors i.e. Compressed Natural Gas (CNG) for transport sector and Piped Natural Gas (PNG) for domestic, commercial and industrial sector in various cities of India. The names of companies involved in the CGD business are as follows;
 - i. GAIL (INDIA) LIMITED
 - ii. GAIL GAS LIMITED
 - iii. Aavantika Gas Limited
 - iv. Bhagyanagar Gas Limited
 - v. Central UP Gas Limited
 - vi. Green Gas Limited
 - vii. Mahanagar Gas Limited
 - viii. Maharashtra Natural Gas Limited

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- ix. Tripura Natural Gas Company Limited
- x. Vadodara Gas Limited
- xi. Godavari Gas Private Limited
- xii. Rajasthan State Gas Limited
- xiii. Haridwar Natural Gas Private Limited
- xiv. Goa Natural Gas Private Limited

Above companies shall be referred as **CGD Companies** subsequently in this EOI.

2. CGD Companies, invite online offers through Expression of Interest (EOI) from **Entrepreneurs / Sole Proprietorships / Partnerships / Limited Liability Partnerships / Companies/ Cooperative Societies / Technology Providers** (herein after called **APPLICANT**), for supply of Compressed Bio Gas (CBG), from Plants processing biomass / waste and providing the produced Compressed Bio Gas (CBG) to various Retail Outlets of CGD Companies across the country.
3. The purpose of inviting this EOI is to encourage the APPLICANT to set up Biomass / Waste to CBG Plants and further utilising the existing potential of CBG in India.
4. Finalization of APPLICANTS as mentioned in this EOI Document is an ongoing process.
5. **Schedule of the release of EOI is tabulated below**

EOI No	Start date	End Date	Initiation of evaluation
CBG02	02.01.2019	16.01.2019	17.01.2019
CBG03	17.01.2019	31.01.2019	01.02.2019
CBG04	01.02.2019	14.02.2019	15.02.2019
CBG05	15.02.2019	28.02.2019	01.03.2019
CBG06	01.03.2019	15.03.2019	16.03.2019
CBG07	16.03.2019	31.03.2019	01.04.2019

EOI No CBG 03 to CBG 07 will be released if required based on the response to previous EOIs and balance requirement of the CGD companies. EOI dates may be further extended as per the decision of the CGD Company.

EOI No: GAIL_CBG03

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Major Timelines & Other details for this EOI

EOI Download	EOI may be downloaded from any of the Website provided in above table
EOI Cost	NIL
Submission of Signed Stamped EOI	The completely filled, signed stamped EOI to be submitted to the concerned CGD company in whose GA the applicant desires to sell CBG along with copy to cbg@gail.co.in Refer below TABLE A for email

TABLE A

S No.	Name of CGD Company	Website	Email ID for submission of EOI
1	GAIL (India) Limited	www.gailonline.com	kk04676@gail.co.in
2	GAIL Gas Limited	www.gailgas.com	marketing_gailgas@gail.co.in
3	Aavantika Gas Limited	www.aglonline.net	sandeep@aglonline.net
4	Bhagyanagar Gas Limited	www.bglgas.com	mkurakula@hpcl.in
5	Central UP Gas Limited	www.cugl.co.in	navinsingh@cugl.co.in
6	Green Gas Limited	www.gglonline.net	r.rini@gglonline.net
7	Mahanagar Gas Limited	www.mahanagargas.com	ebuy@mahanagargas.com
8	Maharashtra Natural Gas Limited	www.mngl.in	info@mngl.in
9	Tripura Natural Gas Company Limited	www.tngclonline.com	bananidebbarman@gail.co.in
10	Vadodara Gas Limited	www.vgl.co.in	marketing_gailgas@gail.co.in
11	Godavari Gas Private Limited	www.godavarigas.in	marketing_gailgas@gail.co.in
12	Rajasthan State Gas Limited	www.rsgl.rajasthan.gov.in	marketing_gailgas@gail.co.in
13	Haridwar Natural Gas Private Limited	www.hngpl.in	marketing_gailgas@gail.co.in
14	Goa Natural Gas Private Limited	www.goanaturalgas.com	marketing_gailgas@gail.co.in

6. **Queries:** Applicants to note that any queries related with EOI of the concerned CGD Company are to be submitted online only at Email ID provided in **TABLE A** with CC to cbg@gail.co.in Queries/clarifications received in any other form are liable to be

unanswered. A written reply from the concerned CGD Company will be given on the same ID.

7. For details of complete EOI, interested parties may visit Website of GAIL & its CGD JVs and GAIL GAS Limited & its JVs as mentioned above in **Table A**.
8. All revisions, clarifications, corrigenda, addenda, time extensions etc. to the EOI will be hosted on above websites. All subsequent EOIs (CBG 03 to CBG 07) shall be hosted on above websites. APPLICANTS should regularly visit this website to keep themselves updated.

9. Submission of EOI

The EOI complete in all respect for any of CGD Companies should be filled, signed, stamped and submitted through e-mail at Email ID of the respective CGD Company as mentioned in TABLE A for which the applicant desires to apply with CC to cbg@gail.co.in before due date and time. No physical EOI shall be accepted.

APPLICANTS may apply to a specific CGD Company for a particular Plant. If EOIs are submitted to more than one CGD Company companies for the same Plant, the EOI for the Plant is liable to be rejected by all CGD Companies.

10. The selection/empanelment of the APPLICANT shall be made individually by the respective CGD Company, based on marking system as detailed in the EOI document and APPLICANT shall be informed accordingly.

I. INTRODUCTION

1. Waste / Bio-mass sources like agricultural residue, cattle dung, sugarcane press mud, municipal solid waste and sewage treatment plant waste, etc. produce bio-gas through the process of anaerobic decomposition. The bio-gas is purified to remove hydrogen sulphide (H₂S), carbon dioxide (CO₂), water vapour and compressed as Compressed Bio Gas (CBG), which has methane (CH₄) content of more than 90%. CBG has calorific value and other properties similar to CNG and hence can be utilized as green renewable automotive fuel. Thus it can replace CNG in automotive, industrial and commercial areas, given the abundance biomass availability within the country.
2. Ministry of Petroleum & Natural Gas has already announced the National Policy on Bio-Fuels 2018, which emphasizes on promotion of advanced Bio-fuels including CBG in the country.
3. To create a steady supply chain for CBG and entrepreneurship opportunities, CBG Plants shall mainly be set up by independent entrepreneurs. CGD Company shall off-take CBG produced from such Plants.
4. CGD entities propose to procure CBG from existing, upcoming & planned Compressed Bio Gas (CBG) Plants in India.

5. The general terms for the APPLICANT shall be on the following lines:–

- a) APPLICANT shall be responsible for planning, preparation, engineering and execution of the project, including storage of raw material, operation and maintenance of the plant, maintaining final product output quantity and quality, managing the by-products and wastes from the plant as per existing central / state norms and providing performance guarantee for the project at their own cost.
- b) Setting-up and commissioning of the CBG Plant and its continuous operation is the complete responsibility of the APPLICANT including arranging the entire land and finance.
- c) Compressed Bio Gas (CBG) to be supplied shall meet **IS 16087:2016** specifications of BIS (detailed below) and any other further revisions in the said specifications.

IS 16087 : 2016 Standard		
S No.	Characteristic	Requirement
1	Methane percentage (CH ₄), minimum	90.0 %
2	Only Carbon Dioxide percentage (CO ₂),, maximum	4%
3	Carbon Dioxide (CO ₂)+ Nitrogen (N ₂)+ Oxygen (O ₂) percentage maximum	10%
4	Oxygen (O ₂) percentage maximum	0.5%
5	Total sulphur (including H ₂ S) mg/m ³ , maximum	20 mg/m ³
6	Moisture mg/m ³ , maximum	5 mg/m ³

Also as per the **IS 16087:2016** specifications, the following shall also be met

- i. CBG shall be free from liquids over the entire range of temperature and pressure encountered in storage and dispensing system.
- ii. The CBG shall be free from particulate matter such as dirt, dust, etc.
- iii. CBG delivered shall be odorized similar to a level found in local distribution (ref. IS 15319)

- d) The CBG is to be compressed at 250 Bar and supplied through Cascades to the CGD Company Retail Outlets as mentioned in the EOI document.
- e) The off-take of CBG by the respective CGD Company shall be as per the demand in the market and it is expected that from the initial phase to the subsequent off-take upto designed capacity of the Plant, the supply shall be increasing gradually over a period of time.
- f) The minimum designed capacity of a single CBG Plant shall be **2.0 Tonnes Per Day (TPD)** of CBG.

6. Qualification criteria

- a) The APPLICANT should be of minimum 21 years of age (in case of individual APPLICANT).
- b) The APPLICANT shall be of Indian nationality AND/OR a company registered in India AND/OR Non-Resident Indians/Persons of Indian Origin AND/OR a Multi-National Company having its registered office in India / Overseas Corporate Bodies having its registered office in India.
- c) The APPLICANT shall follow all the statutory norms as prescribed from time to time by Government of India or local government/government bodies for setting-up and its operation & maintenance of the CBG Plants.
- d) Evaluation of the EOIs shall be carried out of a total of 100 marks allocated as per table hereunder. The prospective APPLICANT has to score minimum of 35 marks to qualify.
- e) If more than 01 EOIs are received for the same GA and the concerned CGD Company cannot accommodate all the EOIs then the EOIs having higher qualification criteria marks will be selected.

S. No.	Qualification Criteria	Marks	Document Required
(i)	Number of Years' Experience of the Firm in any sector as on one day prior to EOI submission date	Max 15 marks	APPLICANT to submit relevant documents on registration of Company
a)	More than or equal to 5 years	15	
b)	More than or equal to 2 years, but less than 5 years	10	
c)	Less than 2 years	5	
(ii)	Past Experience in preceding 10 years of project execution including supply, installation,	Max 25 marks	APPLICANT to submit relevant

S. No.	Qualification Criteria	Marks	Document Required
	commissioning of Facilities to produce biogas or past experience in any other project work in energy/healthcare/social welfare/infrastructure/power/biomass/transport.		Work Orders/ Completion Certificate / any other document in support of execution of the Plant
a)	Minimum 1 project with investment between INR 5 – INR 10 crore each	25	
b)	Minimum 1 project with investment between INR 2 – INR 5 crore each	15	
c)	Minimum 1 project with investment between INR 1 – INR 2 crore each	10	
d)	Minimum 1 project with investment of upto INR 1 crore	5	
(iii)	Turnover (Average of last 3 Financial years i.e. 2015-16, 2016-18 & 2017-18 as per audited balance sheet)	Max 30 marks	Annual reports containing audited balance sheets and profit & loss accounts statement
a)	More than or equal to INR 5 crore	30	
b)	More than or equal to INR 3 crore, but less than INR 5 crore	20	
c)	More than or equal to INR 1 crore, but less than INR 3 crore	10	
d)	Less than INR 1 crore	5	
(iv)	Technical competencies & tie-ups	Max 30 marks	APPLICANT to submit relevant technical documents including documents proving in-house technology / technology tie-ups
a)	Possessing in-house technical know-how / Tie up with technology provider on digester	10	
b)	Possessing in-house technical know-how / Tie up with technology provider on purification system	10	
c)	Possessing in-house technical know-how / Tie up with technology provider on compressor	10	

7. Risks

The APPLICANT should be well aware of the various risks involved in the setting up the CBG Plant and its marketing and should conduct independent due diligence before committing to any investment decision. CGD Company shall not be responsible for any of their business decisions or any future losses arising due to any unforeseen circumstances.

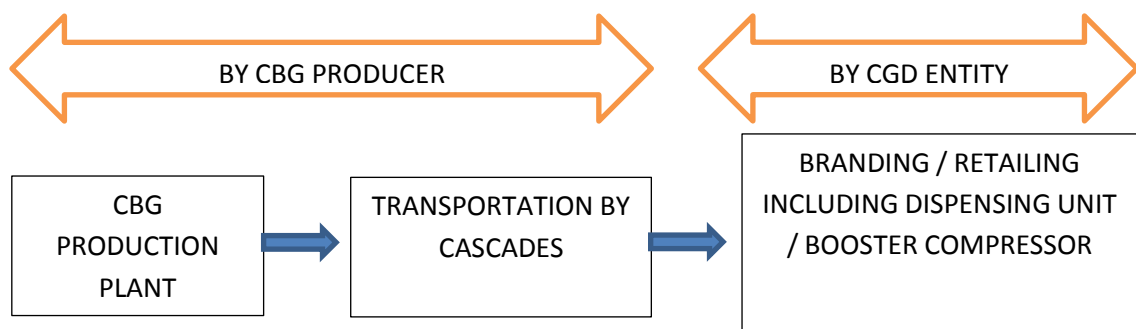
8. The prospective APPLICANTS shall clearly specify Plant-wise the name of the concerned CGD Company and their respective GA through which they choose to market the CBG. The details of GAs of the CGD entities are given in **Annexure III**.

The APPLICANTS should clearly specify their preference in the following table:

S. No.	NAME & LOCATION OF EXISTING/PLANNED PLANT				NAME OF CGD COMPANY THROUGH WHICH CBG WILL BE RETAILED	GA OF THE CGD COMPANY IN WHICH CBG WILL BE RETAILED
	Name	Location	Existing/Planned	Capacity (Tonnes per Day)		
1						
2						
3						

9. Business Model for supply of CBG

Producer(s) / Seller(s) (Party/Entrepreneur) shall deliver CBG, at CGD Company's **existing or new Retail Outlet / Stand-alone Selling Point** through Cascades. The equipment for dispensing CBG at CGD Company *existing or new Retail Outlet / Stand-alone Selling Point* shall be installed and maintained by CGD Company & the CBG nozzles shall be manned and operated by CGD Company or its authorised service agent/ dealer/ representative. The outlet flange of the Cascade / Inlet Flange of Compressor at the Retail Outlet shall be the Point of Sale for CBG. The cascade to remain connected to the compressor at retail outlet till the dispensation is operationally feasible.



Pricing Framework of CBG

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(To be retailed through CGD Company / Fixed for three years from 01.01.2019 / The price will be reviewed at the end of 3 years.)

Item	Unit	Price
Basic Price of CBG meeting IS 16087 : 2016 standard, compressed at 250 bar and delivered at CGD Company Retail Outlet in cascades	Rs./kg	46.00
GST as per actual (presently 5%)	Rs./kg	2.30
Total supply price (incl. GST) to be paid to party	Rs./kg	48.30

10. Finalization of APPLICANTS as mentioned in this EOI Document is an ongoing process as mentioned in the Notice Inviting Tender, which may be further extended depending on the decision of CGD Company. CGD Company reserves the right to discontinue the process at any point of time without assigning any reasons. All applications received shall be evaluated periodically against the qualification criteria mentioned in this EOI Document. On evaluation, if applicant is found to have submitted incomplete or ambiguous documents in support of any qualification criteria, a techno-commercial query may be sent to the applicant seeking clarification / required documents in support of the qualification criteria.
11. The empanelled APPLICANT shall be informed separately by the respective CGD Company regarding their empanelment based on the documents submitted against qualification criteria. APPLICANT must submit application only after verifying their qualification against criteria mentioned in this EOI Document.

II. **GENERAL**

1. This document comprises three sections namely, Notice Inviting EOI, Format for submission of EOI (attached as **Annexure-I** including a Cover Letter & its **Annexure-A**)
2. **Submission of EOI**
3. The APPLICANT shall also furnish self-certification of being not under liquidation, court receivership or similar proceeding in support of their fulfilling the eligibility criteria. The same to be provided for all the partners, wherever applicable. A format for the same is attached as **Annexure II**.
4. CGD Company will not be responsible for any cost or expenses incurred by the APPLICANT in connection with preparation or delivery of EOI.

5. After the empanelment / selection of the APPLICANTS as per the evaluation criteria, the following shall be the procedure
 - a. CGD Company shall inform APPLICANT to provide presentation of its Business plan & model (feedstock, plant location, distance from retail outlet etc.) along with any related original documents. CGD Company will not be responsible for any cost or expenses incurred by the APPLICANT, for this purpose.
 - b. CGD Company may carry out Site Visit for evaluation / verification. The APPLICANT shall have no objection whatsoever in this regard and shall facilitate CGD Company visit.
 - c. CGD Company to carry out the Techno Commercial Feasibility for CBG sale.
The CGD company may also evaluate, if required, other feasible options like CBG injection into CGD pipeline network, Cascade / CBG compressor provisions by CGD etc. Mutual agreement may be arrived between concerned CGD and CBG entity separately considering various other feasible options after provisioning of various cost components in the CBG value chain, maintaining the overall intent of proposed pricing framework as per Section I Clause 9 of this EOI.
 - d. CGD company to release LOI document based on techno commercial feasibility of CGD company
 - e. Signing of Commercial Agreement.
6. Within one month of acceptance of LOI, APPLICANT to submit a bank guarantee, to safeguard investment of CGD Company towards retailing of CBG. The same is detailed below
 - a. For existing Plant producing CBG, a bank guarantee amount of Rs. 1 lakh per CBG Plant.
 - b. For other (planned /under construction) CBG Plants, a bank guarantee amount of Rs. 5 lakh per CBG Plant.
7. The APPLICANT is required to furnish all information and documents as called for in this EOI in English language. Any printed literature / documentary evidence submitted in another language, along with the EOI documents needs to be accompanied by an authentic English translation, in which case, for the purpose of interpretation of the document, the English version will govern.

III. **SPECIAL TERMS AND CONDITIONS**

The following are indicative but not exhaustive terms and conditions for supply of CBG to CGD Company

- **Business model**
 - Specific business model, as mentioned in point 9, to be finalized.
 - CBG to be sold under brand name of CGD Company.
- **Quality Parameters**
 - Supply of CBG shall be as per IS 16087:2016 standards. Filtration unit, Drying unit and Online Gas Chromatograph / Gas Analyser shall be used to ensure CBG is compliant to IS 16087:2016 standards. CBG shall be compressed at 250 Bar pressure during delivery.
 - APPLICANT shall have a well-equipped laboratory, online Gas Chromatograph/ gas analyser and all relevant testing equipment.
 - All lab equipment maintained by the APPLICANT shall be duly certified periodically by a Government Approved Testing Laboratory.
 - Test reports certified by APPLICANT shall accompany each batch of supply.
 - CGD Company shall have right of independent sample testing, which shall be binding on all Parties.
- **Supply Conditions**
 - The production of CBG shall be synchronized to market demand with increase in production gradually to meet market demand.
 - The term of commercial agreement shall be 10 years. The same shall be extended on mutual consent.
- **Supply Disruption**
 - In the event supplies are not maintained for a continuous period or are intermittent, CGD Company shall be free to either suspend supplies or terminate the commercial agreement and obtain CBG / CNG from other sources at producer's risk & cost.
- **Approvals**
 - Seller shall obtain all necessary statutory approvals for its Facility and Equipment.
- **Safety Procedures**
 - Both parties shall follow all the applicable safety procedures.

IV. **INTEGRITY PACT**

APPLICANT shall also have to essentially sign an Integrity Pact (IP) as applicable for concerned CGD Company before entering into commercial agreement with the CGD Company.

V. GRIEVANCE REDRESSAL MECHANISM

Any dispute arising out of this EOI shall be resolved amicably through discussions in good faith with a view to expeditiously resolve such dispute. In the event the dispute persists, the Parties agree to resolve the dispute by conciliation in accordance with provisions of CGD Company, if applicable. In the event of non-resolution of dispute by Conciliation within a period of 60 days or non-applicability of CGD Company conciliation rule, the Parties agree to settle the dispute by arbitration in accordance with the Rules of SCOPE Forum of Conciliation and Arbitration (SFCA). The venue for arbitration shall be New Delhi and the language of arbitration shall be English. The award of arbitrator shall be final and binding on the Parties.

VI. GOVERNING LAWS

The laws of Union of India shall govern all matters concerning the EOI. Any issue arising related to the EOI or the selection process shall be adjudged by the courts in New Delhi, India alone.

CGD Company reserves the right to accept or reject, any or all EOIs received at its absolute discretion without assigning any reason whatsoever.

VII. IMPORTANT NOTE

This advertisement does not constitute and will not be deemed to constitute any commitment on part of CGD Company to off-take CBG.

CGD Company has the sole discretion to qualify or accept the EOI and reject the proposal without assigning any reason whatsoever.

Furthermore, this advertisement neither confirms the right nor an expectation on any party to participate in the proposed EOI.

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

ANNEXURE – I

FORMAT FOR SUBMISSION OF EOI

(to be printed on the official stationery / letterhead of the APPLICANT)

To,
(Name & Address of respective CGD Company as applicable)

Dear Sir,

Subject: Submission of Expression of Interest for “**Supply of Compressed Bio Gas (CBG) to CGD Companies**”.

With reference to your EOI inviting notice Ref. No: GAIL_CBG0.... dated and after examining the detailed documents, selection criteria and other details mentioned in the EOI document for “**Supply of Compressed Bio Gas (CBG) to CGD Companies**”, I/We hereby offer to submit my / our Expression of Interest.

1. All the schedules and documents necessary in this connection are enclosed hereto. All the documents/ photocopies of the documents have been self-attested by me/us and CGD Company is free to reject our candidature if any of the documents/photocopies of the documents is/are found to be false or forged.
2. I/we, hereby also declare(s) that my/our organisation/firm is not debarred/ blacklisted by any Central/State Govt. department, agency, PSUs/ Institution/ Agencies/ Autonomous organization.
3. The information sought from me as per the EOI notice is enclosed in **Annexure-A** to this letter.

Yours Faithfully,

(Signature & Stamp of Authorised Signatory)

Designation:

Date:

Place:

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

Annexure – A

Name of the Project	Supply of Compressed Bio Gas (CBG) to CGD Company	
1.0 General Information		
Name of the APPLICANT submitting EOI		
Nature or legal status of the APPLICANT		
Structure of the APPLICANT	Entrepreneurs / Sole Proprietorships / Partnerships / Limited Liability Partnerships / Companies/ Cooperative Societies / Technology Providers	
Name and address of associated companies to be involved in the project with relationship and role, if any		
Details of Registration document of the APPLICANT <i>(provide details & submit copy of the company / organisation's registration)</i>		
Registered Address of APPLICANT		
Name, Designation and address of authorized Contact person: Mobile Number Landline number Fax Number		
Email (of individual and common e-mail of APPLICANT, if available)		
Name, Designation and address of authorized Signatory		
PAN Details (copy to be attached)		
GST Number (copy to be attached)		
CIN Number (if applicable)		
Turnover of the APPLICANT during last three financial years (Please enclose copy of audited Balance Sheet & Profit & Loss Statements)	Year	Turn Over (Rs Crore)
	2017-18	
	2016-17	
	2015-16	
In case APPLICANT is a subsidiary company, indicate the role of parent company		

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EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

Has APPLICANT have ever been debarred or blacklisted? If so, please provide details.

2.0 Technology & Experience Information

2.1 Past Experience in preceding 10 years (Dec 2008 – Dec 2018) of project execution including supply, installation, commissioning of Facilities to produce biogas or past experience in any other project work in energy/ healthcare / social welfare/ infrastructure / power / biomass/ transport

*Insert additional rows for additional projects
Documentary evidence Work Orders/ Completion Certificate / any other document in support of execution of the Plant to be submitted alongside*

Name of Project

Type of Project

Location of Project Site

Client Name

Date of Award of Work Order/LOA or Date of initiation of Work

Date of Commissioning

Value of Work executed (INR in crore)

2.2 Technology available with APPLICANT

APPLICANT to submit relevant technical documents including documents proving in-house technology

Digester

Purification system

Compressor

2.3 Technology tie-ups of APPLICANT

APPLICANT to submit relevant technical documents including documents proving technology tie-ups like MOUs, Commercial Agreements, etc.

Digester

Purification system

Compressor

Total nos. of CBG plants owned / has provided technology/ services / license by the APPLICANT with capacity

Demo/Pilot

Commercial

Details of existing/planned individual Plants from which CBG is to be supplied to CGD Company

Name of plant

Type of plant (demo / pilot / commercial)

Type of ownership

Own

Others
(only technology provided)

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

Plant Location (Town/City, State, Country)																
Operational, since (date of commissioning in DD/MM/YYYY format)																
Plant Capacity	Installed: Operational: Average working days per year:															
Brief details on Technology deployed																
Feedstock used																
Annual Capacity: <ul style="list-style-type: none"> • Biomass/waste processed • CBG • Other by-products (ton per day)(ton per day)(ton per day)															
Total plant area (in Acre)																
Min. Commercial Scale Plant CapacityMT/day of biomass processed															
Details on Technology to be used	<ul style="list-style-type: none"> • Process Flow Diagram • Feedstock which may be used • Main products & by-products • Utilization of by-products • Recycling of water • Effluent discharge yield and its treatment / Zero liquid discharge/ water reuse • Whether technology is flexible to scale up • Energy efficiency initiatives • Overall material balance (@ 1 tonne of biomass processed) Other significant information															
<p>The prospective APPLICANTS shall clearly specify Plant-wise the name of the concerned CGD COMPANY through which they choose to market the CBG and CBG generation per Plant</p> <p>However, the APPLICANTS can choose to apply to different CGD Company for marketing their CBG produced from different Plants located at different locations.</p> <p>(for more than 4 CBG Plants, additional lines should be added)</p>	<table border="1"> <thead> <tr> <th>S. N .</th> <th>CBG Plant Location</th> <th>Name of CGD Company through which CBG to be retailed</th> <th>Name of GA of CGD Company in which CBG to be retailed</th> <th>CBG Quantity (in tonnes per day)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	S. N .	CBG Plant Location	Name of CGD Company through which CBG to be retailed	Name of GA of CGD Company in which CBG to be retailed	CBG Quantity (in tonnes per day)	1					2				
	S. N .	CBG Plant Location	Name of CGD Company through which CBG to be retailed	Name of GA of CGD Company in which CBG to be retailed	CBG Quantity (in tonnes per day)											
	1															
2																

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

	3				
	4				
Authorized Signatory					
Designation					
Stamp					
Date					
Telephone/ email of authorized signatory					

Note:

1. The APPLICANT must submit all relevant documentary evidence with reference to above.
2. **All the documents to be submitted by the APPLICANT should be self-attested.**
3. Please provide the description in details for clear understanding. Attach separate sheets, if required.

EOI No: GAIL_CBG03

EOI FOR SUPPLY OF COMPRESSED BIO GAS (CBG) TO CGD COMPANIES

Annexure II

(On APPLICANTS letterhead)

AFFIDAVIT

I _____, the *Director / Proprietor / Partner / Authorized signatory of _____ (mention name of firm/company and its complete address) do here by solemnly affirm and declare as under:-

1. That our Firm / company i.e. _____ (mention name of *firm/ company) is registered vide Registration No. _____ under the provisions of _____ (mention the name of the Act).
2. That our Firm / company i.e. _____ (mention name of *firm/ company) has applied in response to the Expression of Interest for Supply of Compressed Bio Gas (CBG) to CGD Company across India.
3. That _____ (mention name of firm/company) is eligible to submit the aforesaid application as it not is under liquidation, court receivership or similar proceedings.
4. That all the information, documents and declarations submitted in/with our application are correct to the best of our knowledge and understanding.
5. That if any information, document or declaration submitted in/with our application, is found to be incorrect at a later date, we indemnify _____ (CGD Company name) against any loss due to this and _____ (CGD Company name) may take any action as deemed fit.

Place:
Date:

(Sign. & Seal of Authorized Signatory)

Annexure III

List of Geographical Areas (GA) for which EOI is invited			
S No.	Name of GA	State	Name of CGD Company
1	Patna District	Bihar	GAIL (India) Limited
2	East Singhbhum District	Jharkhand	GAIL (India) Limited
3	Ranchi District	Jharkhand	GAIL (India) Limited
4	Khordha District	Odisha	GAIL (India) Limited
5	Cuttack District	Odisha	GAIL (India) Limited
6	Varanasi District	Uttar Pradesh	GAIL (India) Limited
7	Ramanagara District	Karnataka	Maharashtra Natural Gas Limited
8	Valsad (Except areas already authorized), Dhule & Nashik Districts	Maharashtra & Gujarat	Maharashtra Natural Gas Limited
9	Sindhudurg District	Maharashtra	Maharashtra Natural Gas Limited
10	Pune City including Pimpri- Chiechwad & adjoining contiguous areas Hinjewadi, Chakan, Talegaon	Maharashtra	Mahrashtra Natural Gas Limited
11	Jhansi (part) District	Uttar Pradesh	Central UP Gas Limited
12	Bareilly (part) District	Uttar Pradesh	Central UP Gas Limited
13	Kanpur (part) District	Uttar Pradesh	Central UP Gas Limited
14	Faizabad & Sultanpur Districts	Uttar Pradesh	Green Gas Limited

15	Unnao (Except areas already authorized) District	Uttar Pradesh	Green Gas Limited
16	Agra	Uttar Pradesh	Green Gas Limited
17	Lucknow	Uttar Pradesh	Green Gas Limited
18	Indore (including Ujjain City) (part) District	Madhya Pradesh	Aavantika Gas Limited
19	Gwalior (part) District	Madhya Pradesh	Aavantika Gas Limited
20	Kakinada	Andhra Pradesh	Bhagyanagar Gas Limited
21	Vijaywada	Andhra Pradesh	Bhagyanagar Gas Limited
22	Hyderabad	Telangana	Bhagyanagar Gas Limited
23	Raigarh District (excluding areas already authorized)	Maharashtra	Mahanagar Gas Limited
24	Mumbai & Greater Mumbai	Maharashtra	Mahanagar Gas Limited
25	Thane Urban and adjoining municipalities	Maharashtra	Mahanagar Gas Limited
26	Agartala	Tripura	Tripura Natural Gas Company Limited
27	Gomati District	Tripura	Tripura Natural Gas Company Limited
28	West Tripura (Except areas already authorized) District	Tripura	Tripura Natural Gas Company Limited

29	Dehradun District	Uttarakhand	GAIL Gas Limited
30	Dewas (part) District	Madhya Pradesh	GAIL Gas Limited
31	Sonapat (part) District	Haryana	GAIL Gas Limited
32	Meerut (part) District	Uttar Pradesh	GAIL Gas Limited
33	Bengaluru Rural and Urban Districts	Karnataka	GAIL Gas Limited
34	Firozabad (Taj Trapezium Zone)	Uttar Pradesh	GAIL Gas Limited
35	Giridih & Dhanbad Districts	Jharkhand	GAIL Gas Limited
36	Dakshina Kannada District	Karnataka	GAIL Gas Limited
37	Sundargarh & Jharsuguda Districts	Odisha	GAIL Gas Limited
38	Ganjam, Nayagarh & Puri Districts	Odisha	GAIL Gas Limited
39	East Godavari District (excluding area already authorized)	Andhra Pradesh	Godavari Gas Private Limited
40	West Godavari District	Andhra Pradesh	Godavari Gas Private Limited
41	Kota (part) District	Rajasthan	Rajasthan State Gas Limited
42	Haridwar District	Uttarakhand	Haridwar Natural Gas Private Limited
43	North Goa District	Goa	Goa Natural Gas Private Limited
44	Vadodara	Gujarat	Vadodara Gas Limited