

**NOTICE INVITING TENDER  
(INTERNATIONAL COMPETITIVE BIDDING)**

**FOR**

**AIR SEPARATION UNIT TO BE DEVELOPED BY BOO PROCESSOR  
TO GENERATE OXYGEN AND NITROGEN FOR COAL GASIFICATION COMPLEX  
AT BARDHMAN, WEST BENGAL**

**(TENDER NO.: PNMM/PC217/E-002)**



**COAL GAS INDIA LIMITED (CGIL)**

**[A JOINT VENTURE OF M/s GAIL (INDIA) LIMITED (GAIL) & M/s COAL INDIA LTD. (CIL)]**

**PREPARED & ISSUED BY**



**PROJECTS & DEVELOPMENT INDIA LTD.  
(A Govt. of India Enterprise)**

**PDIL BHAWAN, A-14, SECTOR-1,  
NOIDA-201301 U.P. (INDIA).**

**31.12.2025**



**AIR SEPARATION UNIT ON BUILD-OWN-OPERATE  
(BOO) BASIS AT BARDHAMAN, WEST BENGAL,  
(INDIA)**

**OWNER: COAL GAS INDIA LIMITED (CGIL)  
MASTER INDEX**

PC-217/E-002

0

DOC. NO.

REV.

SHEET 1 OF 3



**MASTER INDEX**

**Vol-I, COMMERCIAL**

<b>Section</b>	<b>Description</b>
<b>Section-I</b>	
1.0	Invitation For Bid (IFB)
<b>Section-II</b>	
	Bid Evaluation Criteria (BEC) & Evaluation Methodology
<b>Section-III</b>	
3.0	Instructions to Bidders (ITB), Annexures and Forms & Format
<b>Annexures</b>	
Annexure-I	Procedure For Action In Case Corrupt/fraudulent/Collusive/ Coercive Practices
Annexure-II	Vendor Performance Evaluation
	ANNEXURE-1: Performance Rating Data Sheet
	ANNEXURE-2: Performance Rating Data Sheet
Annexure-III	Instruction For Participation In E-Tender
Annexure-IV	Bidding Data Sheet (BDS)
Annexure-V:	Public Procurement Policy (PPP)
Annexure-VI:	Policy for Providing Preference to Domestically Manufactured Iron & Steel (DMI & SP) Products
Annexure-VII:	Provision for Procurement from a Bidder Which Shares a Land Border With India
Annexure-VIII:	Preamble to Schedule of Prices
<b>Forms &amp; Formats</b>	
F-1	Bidder's General Information
F-2	Proforma of "Bank Guarantee" for "Earnest Money / Bid Security"
F-2A	Proforma of Declaration For Bid Security
F-3	Letter of Authority
F-4	Proforma of "Bank Guarantee " for "Contract Performance Security / Security Deposit"
F-5A	Agreed Terms & Conditions For Indian Bidder
F-5B	Agreed Terms & Conditions For Foreign Bidder
F-6	Acknowledgement Cum Consent Letter
F-7	Bidder's Experience



**AIR SEPARATION UNIT ON BUILD-OWN-OPERATE  
(BOO) BASIS AT BARDHAMAN, WEST BENGAL,  
(INDIA)**

**OWNER: COAL GAS INDIA LIMITED (CGIL)  
MASTER INDEX**

PC-217/E-002

0

DOC. NO.

REV.

SHEET 2 OF 3



F-8A	Check List
F-8B	Check List For Bid Evaluation Criteria (BEC) Qualifying Documents
F-9	Format For Certificate From Bank if Bidder's Working Capital is Inadequate
F-10	Format For Chartered Accountant / CPA Certificate For Financial Capability Of The Bidder
F-11	Bidder's Queries For Pre Bid Meeting
F-12	E-Banking Format
F-13	Integrity Pact
F-14	Frequently asked question
F-15	Deleted
F-16	Indemnity Bond
F-17A	Certificate of No Business Connection In India
F-17B	Certificate of Having No Permanent Establishment
F-17C	Proforma Form 10F
F-18	Format For Consortium/JV Agreement
F-19	Undertaking Regarding Submission Of Electronic Invoice (E-Invoice as per GST laws)
F-20	Format For No Claim Certificate For Release of CPS/Security Deposit
F-21	Deleted
F-22	Proforma of Contract Agreement
F-23	Proforma of Third Party Deposit Confirmation Letter
F-24	Proforma of "Insurance Surety Bond" for "Earnest Money Deposit/ Bid Security"
F-25	Proforma of "Insurance Surety Bond" for "Contract Performance Security / Security Deposit"
F-26	Declaration Regarding Banned/Blacklisted/Delisting and Liquidation, Court Receivership
F-27	Format of Letter of No Deviations
<b>Section-IV</b>	
4.0	Deleted
<b>Section-V</b>	
5.0	Conditions of Contract (CoC)



**AIR SEPARATION UNIT ON BUILD-OWN-OPERATE  
(BOO) BASIS AT BARDHAMAN, WEST BENGAL,  
(INDIA)**

**OWNER: COAL GAS INDIA LIMITED (CGIL)  
MASTER INDEX**

PC-217/E-002

0

DOC. NO.

REV.

SHEET 3 OF 3



**Volume-II, TECHNICAL**

<b>SECTION NO.</b>	<b>DESCRIPTION</b>
<b>1.0</b>	<b>GENERAL</b>
SECTION 1.1	PROJECT DESCRIPTION
SECTION 1.2	SCOPE OF WORK
SECTION 1.3	PROJECT EXECUTION PLAN
SECTION 1.4	DESIGN BASIS
SECTION 1.5	RAW MATERIAL AND UTILITY SPECIFICATION
<b>2.0</b>	<b>ENGINEERING SPECIFICATIONS</b>
SECTION 2.1	PRESSURE VESSELS
SECTION 2.2	MACHINERY
SECTION 2.3	PIPING
SECTION 2.4	ELECTRICAL
SECTION 2.5	INSTRUMENTATION
SECTION 2.6	CIVIL
SECTION 2.7	MATERIAL HANDLING
<b>3.0</b>	<b>TECHNICAL REQUIREMENTS/DATA</b>
SECTION 3.1	SAFETY, HEALTH & ENVIRONMENT
SECTION 3.2	QUALITY ASSURANCE PLAN
SECTION 3.3	DRAWINGS & DOCUMENTS
SECTION 3.4	INFORMATION REQUIRED IN THE TECHNICAL PROPOSAL

# **SECTION-I**

# **INVITATION FOR BID (IFB)**

**SECTION-I**  
**"INVITATION FOR BID (IFB)"**

**NIT No: PNMM/PC217/E-002**

**Date: 31.12.2025**

**To,**

**PROSPECTIVE BIDDERS**

**SUB: TENDER DOCUMENT FOR AIR SEPARATION UNIT TO BE DEVELOPED BY BOO PROCESSOR TO GENERATE OXYGEN AND NITROGEN FOR COAL GASIFICATION COMPLEX AT BARDHMAN, WEST BENGAL**

**ON OPEN INTERNATIONAL COMPETITIVE BIDDING BASIS**

**Dear Sir/Madam,**

**1.0** M/s GAIL India Limited (GAIL), is a leading Natural Gas company with diversified interest across the Natural gas value chain of trading. Transmission, LPG production & transmission, LNG re-gasification, Petrochemicals, City Gas, E&P, etc. GAIL owns & operates a network of around 16,421 km of Natural Gas pipeline spread across the length & breadth of Country.

Coal India Limited (CIL), a Maharatna central public sector enterprise ("CPSE"), was incorporated on 01st November 1975 with nationalization of private coal mines by Govt. of India. With a modest production of 79 MT at the year of its inception, CIL today is the single largest coal producer in the world having produced nearly 607 M T and in pursuance of initiatives towards the development of Clean Coal Technology and alternate use of coal, CIL is exploring the possibilities to venture into the coal- to-chemicals sector.

Eastern Coalfields Limited (ECL), fully owned subsidiaries of Coal India Limited was founded in 1975 after Nationalisation of Coal Mines in India. It operates Coal Mines in Jharkhand and West Bengal states of India. The company has its headquarters at Sanctoria, in West Bengal.

India has a reserve of 307 Billion tonnes of thermal coal and about 80% of coal produced is used in thermal power plants. With environment concerns and development of renewable energy, diversification of coal for its sustainable use is inevitable. Coal gasification is considered as cleaner option compared to burning of coal. Gasification facilitates utilization of the chemical properties of coal. Syn Gas produced from Coal gasification is usable in producing Synthetic Natural Gas (SNG), energy fuel (methanol & ethanol), ammonia for fertilizers and petro-chemicals. These products will help move towards self-sufficiency under 'Atmanirbhar Bharat Abhiyaan'. In line with the above objective, Ministry of Coal has taken initiative for utilizing coal through coal gasification and achieve 100 MT coal gasification by year 2030.

In order to implement various coal gasification projects, it has been planned to set up various gasification projects in phases.

1.1 In view of above, “Coal Gas India Limited” (a Joint Venture of GAIL & CIL) having its registered office at VT Centre, ECL P.S – Pandaveswar, Sonepur, Pandaveswar, Bardhaman, West Bengal, India- 713378 is Setting Up of Coal Gasification Based Synthetic Natural Gas (SNG) Plant. at Eastern Coalfields Ltd. (ECL), Sanctoria, West Bardhaman District in the state of West Bengal (India).

Coal Gas India Limited intends to set up Air separation Unit (ASU) on BOO Basis for its Coal Gasification Plant to produce Synthetic Natural Gas(SNG). The BOO Processor shall guarantee supply of Oxygen and Nitrogen to the Coal Gasification Plant at the contracted capacities on a continuous, round-the-clock basis throughout the Contract Period.

1.2 Projects & Development India Ltd. (PDIL) has been retained as Consultant for selection of (Build Own Operate (BOO) Operator for the project. M/s Projects and Development India Limited (PDIL) on behalf of Coal Gas India Limited (CGIL) has the pleasure of inviting eligible bidders to submit Bid for Air Separation Unit at Bardhaman West Bengal, on a BUILD OWN OPERATE (BOO) BASIS on single point responsibility as per Technical Specifications, Commercial Conditions and details laid down in this NIT.

1.3 The “Letter Inviting Bid” and “Instruction to Bidders” is placed on the website of CPP portal ([www.eprocure.gov.in](http://www.eprocure.gov.in)), , CGIL ([www.CGILTenders.in](http://www.CGILTenders.in)) CIL ([www.coalindia.in](http://www.coalindia.in)) & PDIL ([www.pdilin.com](http://www.pdilin.com)),

1.4 This letter inviting bid briefly provides the BIDDERS with guidance, requirements and instructions for submitting a fully compliant and responsive bid. The letter inviting bid is an integral and inseparable part of the bidding document.

2.0 The brief details of the tender are as under:

<b>(A)</b>	NAME OF WORK / BRIEF SCOPE OF WORK/JOB	AIR SEPARATION UNIT TO BE DEVELOPED BY BOO PROCESSOR TO GENERATE OXYGEN AND NITROGEN FOR COAL GASIFICATION COMPLEX AT BARDHMAN, WEST BENGAL				
<b>(B)</b>	TENDER NO. & DATE	PNMM/PC-217/E-002, Date 31.12.2025				
<b>(C)</b>	TYPE OF BIDDING SYSTEM	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">SINGLE BID SYSTEM</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">TWO BID SYSTEM</td> <td style="text-align: center;">✓</td> </tr> </table>	SINGLE BID SYSTEM	X	TWO BID SYSTEM	✓
SINGLE BID SYSTEM	X					
TWO BID SYSTEM	✓					
<b>(D)</b>	TYPE OF TENDER	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">E-TENDER</td> <td style="text-align: center;">✓</td> </tr> <tr> <td style="text-align: center;">MANUAL</td> <td style="text-align: center;">X</td> </tr> </table>	E-TENDER	✓	MANUAL	X
E-TENDER	✓					
MANUAL	X					

(E)	<b>COMPLETION/CONTRACT PERIOD</b>					
	A) MECHANICAL COMPLETION	28 Months from Effective Date of Contract				
	B) PRELIMINARY ACCEPTANCE	34 Months from Effective Date of Contract				
(F)	BID SECURITY / EARNEST MONEY DEPOSIT (EMD)	<table border="1"> <tr> <td>APPLICABLE</td> <td style="text-align: center;">✓</td> </tr> <tr> <td>NOT APPLICABLE</td> <td style="text-align: center;">X</td> </tr> </table>	APPLICABLE	✓	NOT APPLICABLE	X
		APPLICABLE	✓			
NOT APPLICABLE	X					
Amount: <b>Rs 19.56 Crore/USD 2.20 Million</b> (Rupees Nineteen Crores and Fifty Six Lacs only/ Two Million Two Hundred thousand US dollars only) (Refer clause no.16 of ITB)						
(F1)	DECLARATION FOR BID SECURITY	MSEs, Start-Ups and CPSEs (to whom exemption is allowed as per extant guidelines in vogue) Bidder is are required to submit Declaration for Bid Security in bid as per proforma at Form F-2A.				
(G)	AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S)	<p>The NIT is available on following websites:</p> <p>(i) GAIL's Tender Website – <a href="http://www.gailtenders.in">www.gailtenders.in</a></p> <p>(ii) CIL's Tender Website – <a href="http://www.coalindia.in">www.coalindia.in</a></p> <p>(iii) PDIL's Website <a href="https://www.pdilin.com">https://www.pdilin.com</a></p> <p>(iv) CPP Portal <a href="https://etenders.gov.in/eprocure/app">https://etenders.gov.in/eprocure/app</a></p>				
(H)	DATE, TIME & VENUE OF PRE-BID MEETING	Date : 29.01.2026 Time : 11:30 Hrs (IST) Venue : Through Video Conferencing				
	PRE BID MEETING LINK	<a href="#">Join the meeting now</a>				
	LAST DATE OF RECEIPT OF PRE BID QUERIES	Date 27.01.2026 Time :15:00 Hrs IST				
(I)	a) BID SUBMISSION START DATE	Date :24.01.2026 Time :15:00 Hrs IST				
	b) BID DUE DATE & TIME (ON OR BEFORE)	Date :31.01.2026 Time :15:00 Hrs IST				
(J)	DATE AND TIME OF UN-PRICED BID OPENING	Date : 02.02.2026 Time :15:00 Hrs IST				

(K)	ADDRESS FOR COMMUNICATION	
	PDIL	M/s Projects & Development India Limited, P.D.I.L Bhawan, A-14, Sector-1, Noida, (PIN 201301) Dist. Gautam Budh Nagar (UP). (India) Kind Attention: Mrs. Ritu Agarwal, Dy. G. M (M.M) Dy. General Manager (M.M) Fax no. : +91-120-2529801 Tel no. : +91-120-2544063 E-mail: <a href="mailto:rituagarwal@pdilin.com">rituagarwal@pdilin.com</a> ; <a href="mailto:alam@pdilin.com">alam@pdilin.com</a> ; <a href="mailto:tanzin@pdilin.com">tanzin@pdilin.com</a> ; <a href="mailto:amarendra@pdilin.com">amarendra@pdilin.com</a>
	CGIL	M/s Coal gas India Limited. (CGIL), VT Centre, ECL P.S – Pandaveswar, Sonepur, Pandaveswar, Bardhaman, West Bengal, India- 713378  Kind Attention : Mrs Aparajita Chatterjee (General Manager).  Tel No. : + 91- 9720166457  E-mail : <a href="mailto:a.chatterjee@gail.co.in">a.chatterjee@gail.co.in</a>
(L)	Contact Person for Site visit	Sri R.C Nagar, GM, CIL Tel No. :+91 89024 96576 E-mail: <a href="mailto:rcnagar.cil@coalindia.in">rcnagar.cil@coalindia.in</a>

In case of the days specified above happens to be a holiday in CGIL/PDIL, the next working day shall be implied.

3.0 Bids must be submitted strictly in accordance with Clause No. 11 of ITB (Section-III) [refer Clause no. 2.0 (D) above]. The IFB is an integral and inseparable part of the bidding document.

4.0 The bid shall be submitted on CPP Portal (<https://eprocure.gov.in/eprocure/app>). Manual Bids shall not be accepted. The following documents in addition to uploading the bid on CPP Portal (<https://eprocure.gov.in/eprocure/app>) shall also be submitted in Original (in physical form) within 7 (seven) days from the bid due date provided the scanned copies of the same have been uploaded on CPP Portal ( <https://eprocure.gov.in/eprocure/app>) by the bidder along with e-bid within the due date and time to the address mentioned in Bidding Data Sheet(BDS) [Annexure-IV to Section-III]:-

- i) EMD/Bid Security (if applicable)/ Declaration for Bid Security (as applicable)
- ii) Power of Attorney
- iii) Integrity Pact (if applicable)
- iv) Line of credit
- v) TPIA Certificate

- 5.0 Bidder(s) are advised to quote strictly as per terms and conditions of the tender documents and not to stipulate any deviations/exceptions.
- 6.0 Any bidder, who meets the Bid Evaluation Criteria (BEC) and wishes to quote against this Tender Document, may download the complete Tender Document alongwith its amendment(s) if any from websites as mentioned at 2.0 (G) of IFB and submit their Bid complete in all respect as per terms & conditions of Tender Document on or before the Bid Due Date.
- 7.0 Bid(s) received from bidders to whom tender/information regarding this Tender Document has been issued as well as offers received from the bidder(s) by downloading Tender Document from above mentioned website(s) shall be taken into consideration for evaluation & award provided that the Bidder is found responsive subject to provisions contained in Clause No. 2 of ITB (Section-III).

The Tender Document calls for offers on single point "Sole Bidder" responsibility basis (except where Consortium bid is allowed pursuant to clause no. 3.0 of ITB) and in total compliance of Scope of Works as specified in Tender Document.

- 8.0 Any revision, clarification, addendum, corrigendum, time extension, etc. to this Tender Document will be hosted on the above mentioned website(s) only. Bidders are requested to visit the website regularly to keep themselves updated.
- 9.0 All the bidders including those who are not willing to submit their bid are required to submit F-6 (Acknowledgement cum Consent letter) duly filled within 7 days from the date of receipt of tender information.

This is not an Order.

For & on behalf of  
Coal Gas India Limited (CGIL)



(Ritu Agarwal)  
Dy. General Manager & HOD (Materials Management)  
Projects and Development India Limited (PDIL)