

Notice for Pre-Tender Meeting



**Project: COAL GASIFICATION PLANT TO PRODUCE
COAL TO SYNTHETIC NATURAL GAS (SNG)
AT BARDHAMAN, WEST BENGAL, INDIA**



Client : JV of GAIL & CIL

06.02.2025

PROJECT: SETTING UP OF COAL GASIFICATION PLANT TO PRODUCE COAL TO SYNTHETIC NATURAL GAS (SNG) AT BARDHAMAN, WEST BENGAL, INDIA

In order to implement various coal gasification projects, it has been planned to set up various gasification projects in phases. In phase I, the project based on low ash coal available in CIL will be taken up. CIL will take care of mining of coal and marketing of the product and the gasification and product conversion plant will be set up on LSTK contract basis. Considering the low availability of low ash coal, gasification plants will be set up based on high ash coal and with concessions given for commercial mining of coal it is expected to reach the goal of 100 MT gasification by 2030.

A joint venture is being proposed with M/s GAIL (India) Limited (GAIL) and M/s Coal India Limited (CIL) as a partner for Setting up of Coal Gasification Plant to produce Coal to Synthetic Natural Gas (SNG) at Bardhaman, West Bengal, India.

Projects & Development India Ltd. (PDIL) has been appointed by GAIL/CIL for "Preparation of Detailed Fesibility Report (DFR) for the said plant.

Coal India Limited

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 MT and in pursuance of initiatives towards the development of Clean Coal Technology and alternate use of coal. The business domain includes exploration, planning and design of mines, coal mining operations, coal beneficiation and marketing. CIL meets 42% of the nation's primary energy demand and caters 84% of the nation's coal requirement. CIL is exploring the possibilities to venture into the coal to-chemicals sector.

GAIL (India) Limited (GAIL),

GAIL (India) Limited is India's flagship Natural Gas Company, integrating all aspects of the Natural Gas value chain (including Exploration & Production, Processing, Transmission, Distribution and Marketing) and its related services. In a rapidly changing scenario, GAIL is spearheading the move to a new era of clean fuel industrialization, creating a quadrilateral of green energy corridors that connect major consumption centers in India with major gas fields, LNG terminals and other cross border gas sourcing points. GAIL is also expanding its business to become a player in the International Market.

The project is envisaged to be implemented in three (02) Packages:

- ✓ **LSTK 1:** Coal Gasification, Purification and Air Separation Unit
- ✓ **LSTK 2:** Synthetic Natural Gas Plant(Methanation)

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In view of the above, a Pre-tender meeting through Video Conference (VC) shall be organized on 10th Feb, 2025 at 15:00 Hrs (IST) with all the prospective Bidders for Coal Gasification, Purification Air Separation Unit. Only Interested bidders are requested to confirm their participation in writing to us in the below mentioned email.

Venue of Meeting	VC Link (Microsoft Teams meeting)
Projects & Development India Ltd. A-14, PDIL Bhawan, Sector-1, Noida-201301(UP), India	Join the meeting now Meeting ID: 487 350 406 937 Passcode: Dc6n4sL7

Details of Contact Persons

PDIL

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CIL

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GAIL

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Encl.:

Annexure –I : PROJECT AT A GLANCE

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Annexure –I

PROJECT AT A GLANCE

1)	Name of the Project	:	Coal to Synthetic Natural Gas (SNG) Plant
2)	End Product	:	Synthetic Natural Gas (SNG)
3)	Plant Capacity	:	
	- Gasification Island	:	Effective Synthesis Gas (CO+H ₂) – 336000 Nm ³ /hr
	- Gas Purification Section	:	Shifted Synthesis Gas – 546240 Nm ³ /hr
	- Synthetic Natural Gas Plant	:	80,000 Nm ³ /hr [Annually: 633.6 Million Nm ³]
4)	Plant Stream Days	:	330 Days
5)	Project Time Schedule (Months)	:	48 Months (for LSTK Contractor)