



Schedule B

[See regulations 4 (1) and 5 (6)]

Application form for submitting expression of interest by an entity desirous of laying, building, operating or expanding a CGD network

A. Only an entity which complies with the minimum eligibility criteria as per regulations 5 (6) of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 is eligible to submit its application for submission of expression of interest to the Board.

B. Entities must enclose documentary proof in support of its meeting the minimum eligibility criteria.

Documentary proof in support of minimum eligibility criteria is enclosed as under;

Annexure I : Demand Draft for Application Fee

Annexure II : NOC from PNGRB

Annexure III: Certificate for conversion to Limited Company from RoC, GoI

Annexure IV: Certified true copy of MoA & AoA

Annexure V : Certificate from ONGC for supply of CBM gas to CC&L

Annexure VI: Balance Sheet of CC&L & EKCL

Annexure VII: Map providing broad outline of the GA

C. The entity submitting the expression of interest must submit the following information:

1	GENERAL DETAILS
A	NAME OF THE ENTITY Calcutta Compressions and Liquefaction Engineering Limited, a company promoted by Everest Kanto Cylinders Limited and Positron Energy Private Limited
B	TYPE of firm – Public Limited Company / Private Limited Company / Partnership firm / Proprietorship firm / Others Public Limited Company
C	Date of Incorporation and date of commencement of business

	<p>Date of Incorporation: 30th December 2004</p> <p>Date of commencement of business: 30th December 2004</p>																																
D	<p>Address of Registered Office</p> <p>Unit No.203, 2nd Floor, Chandan Niketan, 52A, Shakespeare Sarani, Kolkata – 700 017</p>																																
2	BASIC DATA																																
A	<p>1. Population and number of households under the proposed CGD network As per population census 2001</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>City</th> <th>Population</th> <th>Household</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bokaro</td> <td>1,60,000</td> <td>29,091</td> </tr> <tr> <td>2</td> <td>Chas</td> <td>96,906</td> <td>17,619</td> </tr> <tr> <td>3</td> <td>Dhanbad Urban</td> <td>1,99,258</td> <td>36,229</td> </tr> <tr> <td>5</td> <td>Gamahria Urban</td> <td>1,09,877</td> <td>19,978</td> </tr> <tr> <td>5</td> <td>Purulia Urban</td> <td>1,42,707</td> <td>23,785</td> </tr> <tr> <td>6</td> <td>Giridih Urban</td> <td>2,98,390</td> <td>54,253</td> </tr> <tr> <td></td> <td>Total</td> <td>10,07,138</td> <td>1,80,954</td> </tr> </tbody> </table> <p>2. Geographical area in square kilometers and segregated in different categories in terms of the provisions under regulation 2 (c) of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008. The area should also be depicted in a physical map</p> <p>This area under EoI consideration is significantly backward in terms of infrastructure and is badly affected by Naxal activities.</p> <p>The proposed network shall include areas within Bokaro (Bokaro Steel City and Chas) & Dhanbad (Dhanbad city).</p>	S. No.	City	Population	Household	1	Bokaro	1,60,000	29,091	2	Chas	96,906	17,619	3	Dhanbad Urban	1,99,258	36,229	5	Gamahria Urban	1,09,877	19,978	5	Purulia Urban	1,42,707	23,785	6	Giridih Urban	2,98,390	54,253		Total	10,07,138	1,80,954
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- Proposed area for Bokaro -183 square kilometers.
- Proposed area for Dhanbad - 200 square kilometers.
- Proposed area for Giridih - 380 square kilometers
- Proposed Area of Purulia – 60 square kilometer
- Proposed area for Ghamaria (Adityapur) - 148 square kilometers.

Economic activity in the proposed geographical area in terms of industrial and commercial activity (number of units fuel mix)

Bokaro Steel City is the home of one of the largest steel plants in India, and several other medium and small industries. The giant public sector SAIL has their steel plant situated at Bokaro Steel City known as BSL or Bokaro Steel Plant. About 40 thousand people are working in this plant. The plant also has a captive power plant, now being run by Bokaro Power Supply Company Ltd., a 50-50 joint venture between SAIL and DVC. The multinational private sector ICI has their explosive unit at Gomia.

BIADA The primary economy is supplemented by BIADA (Bokaro Industrial Area Development Authority) which is an industrial area supplying most of the industrial supplies for the steel plant, and there are some small mills making finished products out of steel as well as cement from the slag. The industries are using different kinds of fuels such as coal, coke, fire wood, FO & HSD. There are more than 100 small and medium scale industries in proposed area

Dhanbad is among the top 100 fastest growing cities of world. Tata Steel, BCCL,ECL and IISCO are some of the companies having coal mines in the district.

CPCB has identified Dhanbad amongst the polluted cities in which the prescribed National Ambient Air Quality Standards (NAAQS) are violated.

Sindri is an industrial township situated in Dhanbad district. Sindri is among the first industrial townships of India. ACC Cement factory and Projects & Development India Ltd. (PDIL) are present in Sindri. Industrial zone of Gobindpur is ~ 6 Kms from Dhanbad city. Another major industry in the district is the Refractory and Ceramic Industry.

Purulia

Purulia is southwest section of West Bengal and is bounded by Bokaro & Ranchi district of Jharkhand. A district brought to the state from Bihar. Backward both economically and socially. This area is dominated by agro and allied industries. The agro based industries include Rice making, wheat flour making and mustard oil manufacturing.

Gumaria (Adityapur)

Small Medium Enterprises (SMEs) are located in the 'Adityapur Industrial Estate'. Usha Martin located in Adityapur is a wire rope manufacturing company. The presence of other companies like ABB, TCS, L&T, S&L, SMS, Danielle, Italiam Pianti are a privilege for the city people.

Giridih

With the formation of new state Jharkhand and governments initiative a lot of small scale industries have developed in Giridih. They all are basically related to metals, the majority of them being Rolling Mills like Lal's, Mongia, Atibir, Shivam Group and Gaurishanker Electrocastings.

This town used to bustle with economic activity in the period from 60s to 80's when the mineral mica processing and export community reaped tremendous gains through exports to the USSR. Since the decline of the USSR however the industry has slowly declined and is currently ailing.

3. Vehicular population profile

The estimated vehicle population for Bokaro & Dhanbad is as under:

Vehicle Type	No of Vehicles
Buses	1030
Three wheelers	2089
Four Wheelers	40121

B Preliminary Assessment of the potential demand for natural gas in the proposed CGD network amongst various customer segments.

This area under EoI consideration is significantly backward in terms of infrastructure and is badly affected by Naxal activities.

Estimated demand in CGD network for Bokaro is 0.139 MMSCMD which is projected to be 0.25 MMSCMD by year 2020.

Estimated demand in CGD network for Dhanbad is 0.20 MMSCMD which is projected to be 0.32 MMSCMD by year 2020.

The segment wise estimated demand is as under:

BOKARO		DHANBAD	
Domestic:	0.062 MMSCMD	Domestic:	0.140 MMSCMD
Commercial:	0.002 MMSCMD	Commercial:	0.002 MMSCMD
Industrial:	0.05 MMSCMD	Industrial:	0.025 MMSCMD
CNG:	0.025 MMSCMD	CNG:	0.04 MMSCMD

C Likely source of natural gas and plans for access to the natural gas pipeline

ONGC has commenced commercial production of CBM Gas from Parbatpur (30 km from Bokaro). It is largest CBM gas reservoir in Asia. Calcutta Compressions and Liquefaction Engineering Limited have signed a firm Gas Supply Agreement with ONGC for the CBM gas with ONGC.

Production form CBM Blocks in the Region

Reliance : NEC Blocks, Off shore Orissa

PIPELINES

Pipeline from KG basin to West Bengal

GAIL pipeline connecting Jagdishpur – Haldia Pipeline

LNG terminal at Haldia

D Whether the States or the Union Territories, in whose jurisdiction the proposed CGD network is located, has enacted any legislation or taken any administrative action to promote the use of natural gas in the said city? If the reply to question is yes, then, provide copy of the said enactment or administrative order.

To the best of our knowledge, Government of Jharkand has not enacted any legislation for development of CGD network. However, PNGRB may like to ascertain the position and to ensure State support for smooth implementation.



3	Application fee of Rs.10,000/- paid vide demand draft number 000359 and dated 21 st July 2010 drawn on ICICI BANK LIMITED, CONNAUGHT PLACE, NEW DELHI.

Date: 28th July 2010
Place: Bokaro

For, Calcutta Compressions and Liquefaction Engineering Limited

A handwritten signature in blue ink, appearing to read 'Rajiv Menon', is written over a circular blue stamp.



Rajiv Menon
Director

Mobile: + 91 9924308925



Calcutta Compressions and Liquefaction Engineering Limited
(A venture of Everest Kanto Cylinders Limited and Positron Energy Private Limited)
173, Co-operative Colony, Bokaro Steel City, Dist-Bokaro – 826 001, JHARKHAND