



**CENTRAL MINE PLANNING & DESIGN INSTITUTE LTD.**

(A subsidiary of Coal India Ltd.)

Gondwana Place, Kanke Road, Ranchi-834 031 (Jharkhand), India

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**NOTICE INVITING EXPRESSION OF INTEREST**

CBMC/71(T)/I-1102

Dated: 06.03.2017

**Expression of Interest (Eoi) invited for “Technical Evaluation of Blocks for examining their suitability for undertaking Underground Coal Gasification (UCG) projects through global bidding for UCG development”**

**1. Background**

A policy framework for development of Underground Coal Gasification (UCG) has been approved by the Government of India in coal and lignite bearing areas in India in December 2015. An Inter-Ministerial Committee (IMC) under the chairmanship of Additional Secretary (Coal) has been constituted on 5<sup>th</sup> January 2016 for identification of areas to be offered, deciding about blocks to be put to bidding or awarding to PSUs on nomination basis, proposing mechanism for bidding process and other related matters. IMC will make recommendations for allotment of areas on the basis of bids received and evaluated for consideration of the Ministry of Coal.

Central Mine Planning and Design Institute Ltd (CMPDI) has been made the nodal agency for development of UCG in India.

CMPDI is a subsidiary of Coal India Limited (CIL) and located at Ranchi, Jharkhand which provides consultancy in the area of mineral exploration, mining, engineering, environment, coal preparation, geomatics and other coal based non-conventional energy resources related services. It has seven Regional Institutes which are situated at Asansol, Dhanbad, Ranchi, Nagpur, Bilaspur, Singrauli and Bhubaneswar providing services to respective coal producing subsidiaries of CIL.

Underground Coal Gasification (UCG) is a process in which coal is converted into a combustible gas 'in-situ' through a physico-chemical process and the resultant SynGas after cleaning can be used either as raw material for synthesis of liquid fuels and chemicals including fertilizer (urea) or as a fuel for electricity generation. The produced SynGas is a mixture of hydrogen, carbon monoxide, methane, carbon dioxide and higher hydrocarbons.

UCG offers a potential means of extracting energy from deep seated coal/lignite deposits which are not amenable to conventional physical extraction economically.

## **2. Invitation of Expression of Interest:**

CMPDI, on behalf of MoC, intends to invite an Expression of Interest (Eoi) for selection of suitable consultancy organization experienced in either development of successfully executing demonstration/pilot/commercial UCG projects or having requisite experience/expertise for vetting/examination of the identified coal/lignite blocks based on available geological and hydrogeological data for ascertaining their suitability for taking up commercial development of UCG through global bidding. The work is critical in nature and is to be completed in a time bound manner.

## **3. Eligibility Criteria:**

Consultancy organizations having experience in either development of successful demonstration/pilot/commercial UCG projects or having requisite experience/expertise for vetting/examination of the geological blocks from the point of view for their commercial development through UCG

Firm/organization may be either a sole firm/organization or a consortium from India or abroad.

## **4. Scope of Work**

Vetting/Examination of the identified coal/lignite blocks based on available geological, hydrogeological and/or any other relevant data, etc. for ascertaining the suitability of the blocks for taking up commercial development of UCG through global bidding.

## **5. Formulation of Tender Specific Document (TSD)**

Based on the above consideration and information /documents submitted by the respondents to this **Eol**, a bidder's meet, if required, will be convened to discuss and define the terms and conditions suitable for formulation of Notice Inviting Tender (NIT)/ Tender Specification Document (TSD).

Subsequently, Notice Inviting Tender (NIT)/ Tender Specification Document (TSD) will be finalized and floated for global e-tendering to select suitable technically & financially sound and experienced Firm/organization for Examination of the identified coal/lignite blocks for taking up commercial development of UCG.

CMPDI reserves the right to (a) accept or reject any/all Eol submitted by respondents to this EOI, (b) cancel the process at any time without any liability and assigning any reason thereof.

## **6. Submission of Expression of Interest (Eol):**

CMPDI looks forward to receive response in this regard. Interested parties may please submit their Expression of Interest (Eol) along with supporting information/document by hard copy in duplicate in a sealed envelope superscribing **“Technical Evaluation of Blocks for examining their suitability for undertaking Underground Coal Gasification (UCG) projects through global bidding for UCG development.”**

Eol should be submitted with covering along with organization brief duly signed and submitted in compatible electronic version also preferably in Pen drive/ CD/ DVD. Eol may be submitted by e-mail also by due date, but it must be followed by duly signed hard copy along with compatible electronic version preferably in Pen drive/ CD/ DVD.

Offers must be submitted latest by 15.00 Hrs. (IST) on or before Monday, **10th April, 2017** at the following address:

**General Manager (CBM)**  
**CBM Cell, Central Mine Planning & Design Institute Ltd (CMPDI)**  
**Gondwana Place, Kanke Road, Ranchi-834031, Jharkhand, India**  
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