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|  | <p><u>Notice for Pre-Tender Meeting</u></p> <p>Project: Setting up of High Ash Coal to Ammonium Nitrate Plant at Lakhanpur area of Mahanadi Coalfields Limited, Jharsuguda district, Odisha</p> <p>Client : JV of CIL and BHEL</p> |  |  |
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19.01.2024

Project: Setting up of High Ash Coal to Ammonium Nitrate Plant at Lakhanpur area of Mahanadi Coalfields Limited, Jharsuguda district, Odisha

Coal India Limited

Coal India Limited (CIL) as an organized state owned coal mining corporate came into being in November 1975 with the government taking over private coal mines. With a modest production of 79 Million Tonnes (Mt) at the year of its inception CIL today is the single largest coal producer in the world. Operating through 82 mining areas CIL is an apex body with seven wholly owned coal producing subsidiaries and one mine planning and Consultancy Company spread over eight provincial states of India. CIL also fully owns a mining company in Mozambique christened as 'Coal India Africana Limitada'. It has core competence across the entire gamut of the coal business value chain. 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.

Bharat Heavy Electricals Limited




Bharat Heavy Electricals Limited (BHEL) is India's largest engineering and manufacturing enterprise in the energy and infrastructure sectors. Established in 1964, we are a leading power equipment manufacturer globally and one of the earliest and leading contributors towards building an Aatmanirbhar Bharat. BHEL serve their customers with a comprehensive portfolio of products, systems and services in the areas of power-thermal, hydro, gas, nuclear & solar PV; transmission; transportation; defence & aerospace; oil & gas and new areas like BESS and EV chargers. Right from developing country's power generation capacity to creating multiple capabilities in country's core industrial & strategic sectors, BHEL is deeply aligned to the vision of a self-reliant India.

A joint venture is being proposed with M/s Coal India Limited (CIL) and M/s Bharat Heavy Electricals Limited (BHEL) as a partner for Setting up of High Ash Coal to Ammonium Nitrate Plant at Lakhanpur area of Mahanadi Coalfields Limited, Jharsuguda district, Odisha.

Projects & Development India Ltd. (PDIL) has been appointed by CIL for "Preparation Detailed Fesibility Report (DFR) for setting up of High Ash coal-to-Ammonium Nitrate Plant in Mahanadi Coalfields Limited (MCL) based on Indegenously-developed Coal Gasification Technology of BHEL"

The project is envisaged to be implemented in three (03) Packages:

- ✓ **LSTK 1:** Coal Gasification & Raw Syngas Cleaning, using BHEL's in-house developed PFBG Technology
- ✓ **LSTK 2:** Syngas Purification & Ammonia Synthesis Plant
- ✓ **LSTK 3:** Nitric Acid & Ammonium Nitrate (Melt & Prill)

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In view of the above, a Pre –Tender meeting through Hybrid mode (VC & Physical) shall be organised on **25.01.2024**. **The meeting will start at 11:00 AM (IST)** with all the prospective Bidders /Licensors whose presence/participation in the meeting is solicited. Interested Bidders/Licensors are requested to confirm their participation in writing to us in the below mentioned email IDs.

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| <p>Venue of Meeting</p> <p>Projects & Development India Ltd. A-14, PDIL Bhawan, Sector-1, Noida-201301(UP), India</p> | <p>VC Link (Microsoft Teams meeting)</p> <p>Click here to join the meeting Meeting ID: 464 237 611 732 Passcode: CXtrYP</p> |
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Details of Contact Persons

PDIL




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- 3) Mr. M K Senapati, Dy.GM (MM)
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CIL

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Encl.:

Annexure –I : PROJECT AT A GLANCE

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Annexure –I

PROJECT AT A GLANCE

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| 1) | Name of the Project | : | Coal to Ammonium Nitrate Plant |
| 2) | End Product | : | Ammonium Nitrate (Melt & Prill) |
| 3) | Plant Capacity | | |
| | - Gasification Island | : | Eff. Synthesis Gas (CO+H ₂) – 84377 Nm ³ /hr, |
| | - Gas Purification Section | : | Shifted Synthesis Gas – 180000 Nm ³ /hr, |
| | - Ammonia Synthesis Plant | : | 920 MTPD |
| | - Nitric Acid Plant | : | 1650 MTPD |
| | - Ammonium Nitrate - Melt Plant | : | 1600 MTPD |
| | - Ammonium Nitrate - Prill Plant | : | 400 MTPD |
| 4) | Plant Stream Days | : | 330 |
| 5) | Annual Production (MT) | | |
| | - Ammonium Nitrate - Melt Plant | : | 1600 x 330 = 528000 |
| | - Ammonium Nitrate - Prill Plant | : | 400 x 330 = 132000 |
| 6) | Project Time Schedule (Months) | : | 48 |