

CIL Navikarniya Urja Limited
(A Subsidiary Company of Coal India Limited)

Tender

DocumentFor

**Design, Engineering, Procurement & Supply, Construction & Erection, Testing,
Commissioning, Associated Transmission System and Comprehensive O&M for 5 Years of
20MW (AC) Solar PV Power Plant at**

Dugdha Washery Area, BCCL

Dhanbad, Jharkhand, India.

**(Only through limited e-Tender mode for the CIL Empaneled EPC Contractors for Solar
Projects)**



CIL Navi Karniya Urja
Limited 7th Floor, Coal Bhawan,
Premises

No-4 MAR Action Area –
1A, New Town, Rajarhat,
Kolkata (WB) – 700156

Email:

ceo.cnul@coalindia.in

About the Company

CIL Navikarniya Urja Limited (CNUL), a wholly owned subsidiary company of Coal India Limited was incorporated on 16th of April,2021 to venture into new business area of New and Renewable Energy (Non-Conventional) segment including Solar, Wind, Small Hydro, Biomass, Geo-Thermal, Hydrogen, Tidal, etc., along with other prevalent technologies/emerging technologies for development of non-conventional/clean & renewal energy Business.

Parent company Coal India Limited (CIL) is the state-owned coal mining corporate came into being in November 1975 is at the forefront of the nation's coal production in the Indian energy sector. CIL alone produces around 83% of country's entire coal output. In a country where 69% of the total electricity generation is coal based, CIL virtually empowers the nation's power sector. Around 80% of CIL's total supplies are catered to power sector.

Bharat Coking Coal Limited (BCCL) is the wholly owned subsidiary Company of CIL. BCCL intends for Development of **20 MW (AC)** Grid Connected SolarPV Project at one location of Dugdha Washery area, BCCL, Dhanbad, India. CNUL has been awarded the job of providing PMC service for developing the 20 MW project through engagement of EPC Contractor.

The generated solar power from the proposed solar project will be utilized by BCCL for captive consumption. CNUL endeavors to reduce energy charge of the Subsidiary by installing the proposed solar project.

About the Project

The envisaged 20 MW (AC)/ 28 MW(DC) Solar Power plant will be established through EPC contractor at one location of Dugdha Washery area, BCCL, Dhanbad, India.

- BCCL has planned to evacuate the Power generated from the Solar Plant at Dugdha to the nearest DVC Sub-station, namely: Chandrapura Super Thermal Power Station (CSTPS) – which is at a distance of 6 km from the project site at 33 kV. BCCL will obtain necessary permission/ approval from DVC for evacuation arrangement.
- Installation, Testing and Commissioning of the 20 MW (AC)/ 28 MWp(DC) Solar Plant along with Transmission line / cable from plant take off point to the interconnecting substations and bay(s) at substations shall be **in the scope of EPC Contractor**. The EPC Contractor will also maintain the OHTLs during O&M period of 5 years at the cost of EPC Contractor. Safety, security, maintenance and operation of the said transmission line upto 5 years O&M period will be the sole responsibility of the EPC Contractor.
- Any other statutory approval, if required to be taken during execution of the project, will be taken by the EPC Contractor at it's own cost. BCCL and CNUL shall extend required help to the EPC Contractor for obtaining such statutory approval.
- CNUL (on behalf of BCCL) now issues this Tender for selection of EPC-cum-O&M contractor for the entire EPC work for the Project as well as O&M of the Project for 5 years after the project Commissioning date (COD) (to be executed through **BCCL** after awarding work by **BCCL**. CNUL will be responsible for providing award recommendation of the work to the selected EPC Contractor.
- Post-award activities, such as signing of contract agreement, contract execution, payment and other activities will be under **BCCL's** scope. CNUL will provide PMC service during commissioning period as per the agreement between BCCL and CNUL.

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e-TENDER NOTICE

1. Tenders are invited on-line on the website <https://coalindiatenders.nic.in> from the empaneled bidders having Digital Signature Certificate (DSC) issued from any agency authorized by Controller of Certifying Authority (CCA), Govt. of India and which can be traced up to the chain of trust to the RootCertificate of CCA, for the following work:

Description of work	Estimated Cost of Work (Including GST) (In INR)	Earnest Money (In INR)	Period of Completion(In Days)
(i) Design, Engineering, Procurement and Supply, Construction, Erection, Testing and Commissioning of 20 MW (AC) Solar PV Power Plant at Dugdha Washery Area (20 MW) of BCCL, Dhanbad, India; (ii) Erection, Installation, Testing and Commissioning of 6 kM Transmission System from project site to injection point (CSTPS- DVC). (iii) Comprehensive O&M of the plant and the associated transmission system for 5 Years thereafter.	Rs. 145,77,07,000/- (INR 145.7707 Cr) (inclusive of Supply cost, Work Cost and NPV of O&M cost for 5 years)	Rs. 50,00,000/- (INR 50 Lakh)	Total contract period: 2190 Days a) From date of commencement to COD: 12 Months (i.e. 365 days) b) Operation and Maintenance of Project: 1825 Days (i.e. 5 years) from COD

Guaranteed Energy and CUF Requirement:

Sl No.	Parameter	Value
1.	Net Electrical Energy Guaranteed Generation (NEEGG)	37.43 MU for first year with allowable degradation of 0.7% in subsequent year's w.r.t. immediate last year.
2.	Capacity Utilization Factor (CUF)	21.67 % for first year with allowable degradation of 0.7% in subsequent year w.r.t. immediate last year.

Tender inviting authority	Contact Person(s)/Tender Dealing Officer(s)
B K Panda, GM (E&M)/ Solar Tel: +91-8249931609 Email: bkpanda.cil@coalindia.in	Soumitra Roy General Manager (E&M), BCCL Tel: +91- 9470595663 Email: gmenm.bccl@coalindia.in

Tender inviting authority	Contact Person(s)/Tender Dealing Officer(s)
	<p>Atanu Nandi Chief Manager (E&M), Solar Tel: +91-8908647978 Email: a.nandi@coalindia.in</p> <p>Subhajyoti Jana Manager (E&M), Solar Cell Tel: +91-9434797102 Email: subhajyoti.jana@coalindia.in</p> <p>Abhinav Kumar Dy. Manager (E&M), Solar Cell Tel: +91 9433031045 Email: abhinavk.cil@coalindia.in</p>
For any Portal related queries please call at 24 x 7 Help Desk Number- 0120-4001 002, 0120-4001 005, 0120-6277 787	

2. Time Schedule of Tender:

As per Portal.

Note: The auto extension of submission of bid shall be applicable as per details mentioned in clause no.14 of NIT.

3. Earnest Money Deposit:

The bidder will have to make the payment of EMD through ONLINE mode only.

3.1.1 In Online mode the bidder can make **payment** of EMD either through **NET-BANKING** from designated Bank(s) or through **NEFT/RTGS** from any scheduled Bank(s).

3.1.2 NET-BANKING: In case of payment through net-banking the money will be immediately transferred to CIL/ Subsidiary's designated Account.

3.1.3 NEFT/RTGS: In case of payment through NEFT/RTGS from any scheduled bank(s), the bidder will have to make payment as per the Challan(s) generated by system on e- Procurement portal. **The** payment of EMD through NEFT/RTGS mode should be made well ahead of time to ensure that the EMD amount is transferred to CIL/ Subsidiary account before submission of bid.

3.1.4 NOTE 1: After successful payment of EMD either through Net Banking or NEFT/RTGS, bidder is advised to log on to <https://coalindiatenders.nic.in> and click on "**Payment Verification Button**" to check the transaction status of EMD.

NOTE 2: Bidder is advised **not to pay EMD through IMPS mode** as such payments are not acceptable for submission of bid by the system.

NOTE 3: In case of payment of EMD through NEFT/RTGS mode, bidder needs to pay the EMD from the scheduled bank by visiting their branch.

3.1.5 The Bidder will be allowed to submit his/her/their bid only when the EMD is successfully received in CIL/ Subsidiary's designated account and the information flows from Bank to e-Procurement system.