

# **Coal India Limited**

(A Government of India Enterprise)  
CIN: L23109WB1973GOI028844

**COAL INDIA LIMITED HEAD OFFICE**  
**Coal Bhawan Premise No-04 MAR, Plot No-AF-III, Action Area-1A,**  
**Newtown, Rajarhat, Kolkata-700163**  
**E-mail: gmsolar.cil@coalindia.in**

**Tender**

For

**Setting up of Grid Connected 300 MW Ground Mounted Solar PV plant**

at

**Khavda, Gujarat**

**Tender ID : 2024\_CILHQ\_316279\_1**

## **Introduction**

- 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. 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.
- CIL is currently developing several Solar, Floating & Hybrid innovative Renewable Energy Projects. In the years to come CIL has a major role to play in the Renewable Energy sector's development. The company has an aim to develop a total cumulative capacity of 5 GW of Renewable Energy by the year 2025-26.
- In this regard CIL participated in Gujarat Urja Vikash Nigam's (GUVNL) auction to supply power from 600 MW of grid-connected solar power project (Phase XXI) to be set up at Khavda Solar Park, Gujarat. CIL was awarded a capacity of 300 MW and the organization envisages the execution of green energy technologies by way of implementing ground based Solar PV Power Plant for setting up 300 MW grid connected Solar Photovoltaic (PV) Power Projects.
- The selection of the Contractor for the "Design, Engineering, Supply of all the necessary components including PV modules, Construction, Erection, Testing & Commissioning of 300 MW (AC) Ground mounted Solar PV Project along with DC Overloading at Khavda Solar Park, having 5 Years Plant O&M" will be carried out by Coal India Limited (A Government of India Enterprise), Coal Bhawan Premise No-04 MAR, Plot No-AF-III, Action Area-1A, Newtown, Rajarhat, Kolkata-700163 (hereinafter referred to as 'CIL' or EMPLOYER or OWNER). For the purpose of all procurement activities related to the said works, CIL shall be referred to as 'CIL or Employer or Owner'.
- CIL, therefore, invites bids from eligible bidders to participate in the tender for Design, Engineering, Supply of all the necessary components including PV modules , Construction, Erection, Testing & Commissioning of 300 MW (AC) Ground mounted Solar PV Project along with DC Overloading at Khavda Solar Park, having 5 Years Plant O&M.

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# **SECTION – I: NOTICE INVITING TENDER (NIT)**

**कोल इंडिया लिमिटेड**  
(भारत सरकार का उपक्रम)  
सौर विभाग

परिसर सं.-04 एम.ए.आर., प्लॉट नं.-ए.एफ.-III,  
एक्शन एरिया- 1A, न्यू टाउन,  
राजरहाट, कोलकाता-700156  
फोन: 033 23244024, फैक्स: 033 23244082  
वेबसाइट: www.coalindia.in



**Coal India Limited**

(A Government of India Enterprise)

**Solar Division**

Premises No. 04 MAR, Plot No. AF-III,  
Action Area 1A, New Town,  
Rajarhat, Kolkata-700156  
Phone: 033 23244024, Fax: 033 3244082  
Website: www.coalindia.in

**Ref. No.: CIL/HQ/SOLAR/KHAVDA\_300/01**

**Dated: 29.08.2024**

**e-TENDER NOTICE**

1. Tenders are invited on-line on the website <https://coalindiatenders.nic.in> from the eligible 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 Root Certificate of CCA, for the following work:

	Scope Of Work	<p>Design &amp; engineering, procurement &amp; supply of equipment and materials (including PV modules, testing at manufacturers works, multi – level inspections, packing and forwarding, supply, receipt, unloading and storage at site, associated civil works, services, permits, licenses, installation and incidentals, insurance at all stages (Including Insurance of PV Modules ), erection, testing and commissioning of 300 MW (AC) Grid connected ground mounted Solar PV Power Plant along with DC Overloading and performance demonstration with associated equipment and materials on turnkey basis at Khavda Solar Park along with 5 (Five) years comprehensive operation and maintenance from the date of commissioning or Operational Acceptance, whichever is later.</p> <ol style="list-style-type: none"><li>1. Design, Procurement &amp; Supply, and erection of the following, in all respect:<ol style="list-style-type: none"><li>a) Supply, Packing and Forwarding, Transportation of PV Modules up to Khavda Solar Park, Gujarat including Transit insurance of crystalline Solar PV Modules with nominal wattage and dimensions as mentioned in scope of supply for 1500V System Voltage including DC overloading and mandatory spares.</li></ol></li></ol>
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		<ul style="list-style-type: none"> <li>b) The Total capacity of PV modules to be procured under this tender, excluding mandatory spares is 405 MWp (minimum).</li> <li>c) Module mounting structures and fasteners. Installation, Erection, Testing and Commissioning of Modules (as supplied by owner) along with demonstration of the performance parameters.</li> <li>d) All power conditioning systems including junction boxes, Inverters/ PCU, DC and AC circuit breaker(s).</li> <li>e) All associated electrical works and equipment required for interfacing line/ cable (i.e., transformer(s) – power and auxiliary, breakers, isolators, lightning arrestor(s), LT/other panels, protection system, cables, metering etc., but not limited to) as per technical specifications.</li> <li>f) Design, supply, erection, testing &amp; commissioning defined in scope of work/ TS as per project requirement and associated switchgear equipment and metering equipment as per technical specification and state regulations.</li> <li>g) All associated civil works, including design and Engineering, for: Earthwork for Site grading, cutting, filling, levelling &amp; compacting, internal Roads, Storm water drainage in the requisite project land as required for development of this Solar PV Power Plant</li> <li>h) Construction of Passage for Cleaning of Solar PV Project</li> <li>i) Construction of rainwater drainage, if required</li> <li>j) Setting up of a comprehensive Fire Protection system as per the Hazardous area classification for the site</li> <li>k) Supply of mandatory spares &amp; special tools and tackles</li> <li>l) Demonstration of performance of the plant as per the requirement specified in the bidding documents.</li> <li>m) Comprehensive operation &amp; maintenance of the ground mounted SPV plant for 5 (Five) years as mentioned in detailed scope of work from the date</li> </ul>
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		<p>of commissioning or Operational Acceptance, whichever is later, as detailed in technical specification, including supply and storage of all spare parts, consumables, repairs/ replacement of any defective equipment etc.</p> <p>n) Obtaining all associated statutory and regulatory compliances and approvals for successful construction, commissioning and operation of plant</p>
B	Capacity Utilization Factor (CUF) or Minimum Net Electrical Energy Generation Guarantee (Minimum NEEGG)	<p>Minimum CUF= 28% at delivery point</p> <p>CUF = plant output in kWh / (installed plant capacity in kW * 365X24)</p> <p>Minimum NEEGG = 73,58,40,000 Units (for 1<sup>st</sup> year)</p>
C	Tender ID. and date	<b>2024_CILHQ_316279_1, dated: 29.08.2024</b>
D	Source of Fund	Owner as defined in the Bid Data Sheets (BDS) intends to finance the package through domestic funding and own resources.
E	Type of Tender	“Single Stage Two Part “online Bidding system..
F	Bidders Eligibility Criteria	It’s a “Domestic Competitive Bidding” and hence this bid is open only for bidders registered within the Owner’s country.
G	Scheduled Completion/ Contract Period	<p>Scheduled Completion/ Contract Period shall mean:</p> <p>(i) Commissioning period upto 31.01.2026 or actual COD of Associated Transmission System of Khavda Solar Park (KPS-2) whichever is earlier, subject to minimum time period of 12 months from the date of LOA. However, if there is any further delay in commissioning of transmission line, the SCOD will stand auto extended upto 30 days from such commissioning and no LD will be deducted, and</p> <p>(ii) O&amp;M period of 5 years after SCOD.</p>
H	Cost of Bidding Document	Free of Cost

I	Tender Processing Fee	Free of Cost
J	Earnest Money Deposit (EMD)	INR 50 Lakhs.
K	Contract Performance Security	Applicable as per Section III – Special Conditions of Contract (SCC)
L	Date Time & Venue of Pre-Bid meeting & site visit	<p><b>Pre Bid:</b> As per Portal Details</p> <p><b>Site Visit:</b> Prospective Bidders are advised to visit the proposed site to study the actual conditions and go through the plot plans attached in Annexure XVIII, connected to the present scope of work etc. including power evacuation system and Project capacities and get acquainted with the same before attending Pre-bid meeting.</p> <p>Note: CIL has been allotted Plot - 3,4 and 5 in GIPCL Solar Park (Phase-I) each plot measuring 450 Acres.</p>

i) For Site visit of location of work, the prospective bidder(s) may contact Shri Deepak Jangid, Dy Manager (E&M)-Solar, CIL (Mob no. – 9680543389)

Tender inviting authority	Contact Person(s)/Tender Dealing Officer(s)
<p><b>Sudarsan Bora</b> GM (E&amp;M) Solar Dept. Coal India Limited <a href="mailto:gmsolar.cil@coalindia.in">gmsolar.cil@coalindia.in</a></p>	<p><b>1. Jitendra Kr. Singh</b> Sr. Manager (E&amp;M) Solar Dept. <a href="mailto:singh.jitendra@coalindia.in">singh.jitendra@coalindia.in</a></p> <p><b>2. Rajnesh Meena</b> Deputy Manager (E&amp;M) Solar Dept. <a href="mailto:rajnish.meena@coalindia.in">rajnish.meena@coalindia.in</a></p>
<p><b>For any Portal related queries please call at 24 x 7 Help Desk Number- 0120-4001 002, 0120-4001 005, 0120-4493 395 Email: support-eproc@nic.com</b></p>	



**2. Time Schedule of Tender**

<b>1</b>	<b>Date of issuance of Tender</b>	<b>As per Portal</b>
<b>2</b>	Last Date and Time for submission of pre-bid clarifications	
<b>3</b>	Date and Time of pre- bid meeting	
<b>4</b>	Last Date and Time for downloading the NIT	
<b>5</b>	Start Date and Time for Online Tender submission	
<b>6</b>	Last Date and Time for Online Tender submission	
<b>7</b>	Date and Time of Technical Bid opening (Cover-I)	
<b>8</b>	Date and time of Opening of Financial Bid (Cover-II)	

**Note:**

- a. The auto extension of submission of bid shall be applicable as per details mentioned in clause no.24 of NIT.
- b. In case there is any change in date and time of price opening, the same shall be communicated to the Technically acceptable bidders through portal.

**3. EMD/Bid security**

- 3.1 The Bidder shall furnish, as part of his bid, a Bid Security/Earnest Money of the amount as shown in e-tender notice and in the form as deliberated below:  
The Bidder will have to make the payment of EMD through ONLINE mode only. No Offline mode of Payment of EMD/Bid security shall be applicable and acceptable. In online mode the Bidder can make payment of EMD either through net banking from designated Banks/s or through NEFT/RTGS from any scheduled Bank. In case of payment through net-banking the money will be transferred to CIL/ Subsidiary designated Account. In case of payment through NEFT/RTGS the Bidder will have to make payment as per the Challan generated by system on e-Procurement portal. Bidder will be allowed by the system to submit the bid only when the EMD is successfully received in CIL/Subsidiary designated account and the information flows from Bank’s Server to e-Procurement portal. The Earnest Money/ bid security for the unsuccessful Bidder shall be refundable as promptly as possible. The EMD shall bear no interest. No Bid will be accepted unless accompanied by requisite Bid Security/ Earnest Money Deposit as stated above.
- 3.2 Any Bid not accompanied by an acceptable Bid Security/EMD shall be rejected by the employer as nonresponsive unless otherwise exempted in the Bid document.
- 3.3 The EMD of rejected Bidders will be refunded at any stage directly to the account from where it had been received (except the cases where EMD is to be forfeited).

- 3.4 The Bid Security / EMD of successful Bidder may be retained and adjusted with Performance Security / Security Deposit at Bidder's option.
- 3.5 The Bid Security/Earnest Money may be forfeited:
- a. if the Bidder withdraws the Bid after the end date of Bid submission during the period of Bid validity / extended validity with mutual consent; or
  - b. in the case of a successful Bidder, if the Bidder fails within the specified time limit to furnish the required Performance Security Deposit;
- Additionally, the Company shall debar such defaulting Contractor from participating in future bids for a minimum period of 12(twelve) months.
- 3.6 The Bid Security/ EMD deposited with the Employer will not carry any interest.
- 3.7 No claim from the Bidders will be entertained for non-receipt of the refund in any account other than the one from where the money is received.
- 3.8 If the refund of EMD is not received by the Bidder in the account from which the EMD has been made due to any technical reason, then it will be paid through conventional system of e-payment. For this purpose, Bidder should submit e-Mandate form as per Clause No.7 during bid submission.
- 3.9 In case the tender is cancelled then EMD of all the participating Bidders will be refunded unless it is forfeited by the Department. If the Bidder withdraws the bid online (i.e. before the end date of submission of tender) then the EMD will be refunded automatically after the opening of tender.

#### **4. Pre-bid Meeting**

The pre-bid meeting shall be held on hybrid mode (physical as well as through VC) as per the scheduled date & time, as specified in the e-Procurement portal. The purpose of the pre-bid meeting is to clarify the issues and to answer the questions on any matter that may be raised at that stage. Non-attendance at the pre-bid meeting will not be a cause for disqualification of bidder and it shall be presumed that the bidder does not require any clarification. The minutes of the Pre-Bid meeting shall be uploaded on the Portal, which can be viewed by all interested bidders.

#### **5. Clarification of Bid**

The bidder may seek clarification on-line within the specified period. However, the management will clarify as far as possible to the relevant queries.

#### **6. User Portal Agreement**

The bidders have to accept the on-line user portal agreement which contains the acceptance of all the Terms and Conditions of NIT and tender document, undertakings and the e-Procurement system through <https://coalindiatenders.nic.in> in order to become an eligible bidder. This will be a part of the agreement.