

**COAL INDIA LIMITED**  
**(A Government of India Enterprise)**



**REQUEST FOR EXPRESSION OF INTEREST**

**FOR**

**Design, Engineering, Supply and Procurement, Construction,  
Erection, Testing, Commissioning, Operation and Maintenance of  
Solar Photovoltaic Grid-Connected Power Plant of capacity 810  
MW<sub>AC</sub> in Bikaner district, Rajasthan**

**EOI Document No.: CIL/SOLAR/2022-23/17 dated 02.02.2023**

eTender ID: 2023\_CILHQ\_269887



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## 1.0 Introduction

- 1.1 Coal India Limited (CIL), the state-owned coal mining corporate, came into being in November 1975. CIL functions through its subsidiaries in 84 mining areas spread over eight (8) states of India. Coal India Limited has 318 mines (as on 1<sup>st</sup> April, 2022), of which 141 are underground, 148 open cast and 19 mixed mines.
- 1.2 CIL Produces around 85% of India's overall coal production in India. CIL contributes to 55% of total power generation and meets 40% of the primary commercial energy requirements of the country.
- 1.3 CIL is a Maharatna company – a privileged status conferred by Government of India to select state owned enterprises in order to empower them to expand their operations and emerge as global giants. CIL has seven producing subsidiaries namely Eastern Coalfields Limited (ECL), Bharat Coking Coal Limited (BCCL), Central Coalfields Limited (CCL), Western Coalfields Limited (WCL), South Eastern Coalfields Limited (SECL), Northern Coalfields Limited (NCL) and Mahanadi Coalfields Limited (MCL), and one mine planning and consultancy company named Central Mine Planning & Design Institute (CMPDI). In addition, CIL has a foreign subsidiary in Mozambique namely Coal India Africana Limitada (CIAL). The mines in Assam, i.e., North Eastern Coalfields are managed directly by CIL. CIL also has a subsidiary named CIL Navikarniya Urja Limited (CNUL) for development of renewable energy projects, and another subsidiary named CIL Solar PV Limited for manufacturing of solar PV ingot-wafer-cell-module.



## 2.0 Objective & Scope of Work

2.1 CIL intends to develop a solar PV project of capacity 810 MW in Rajasthan Rajya Vidyut Utpadan Nigam Limited's (RVUNL)'s solar park in Bikaner district of Rajasthan.

2.2 Accordingly, CIL is seeking interest of prospective EPC contractors with proven capabilities and demonstrated performance in similar work for the following:

**Design, Engineering, Supply and Procurement, Construction, Erection, Testing, Commissioning, Operation and Maintenance (for 5 years) of Solar Photovoltaic Grid-Connected Power Plant of capacity 810 MWAC in Bikaner district, Rajasthan.**

2.3 The Applicant needs to propose the capacity (in MWAC) for which it will provide the EPC service. The minimum capacity proposed by an Applicant cannot be less than 200 MWAC and the maximum proposed capacity will be 810 MWAC.

2.4 The Applicant can choose either of the following options while submitting its EOI:

Options	Description	Applicable Format
1	The scope will involve turnkey EPC of the entire plant including supply of solar PV modules along with BOS <i>Note: The modules shall be sourced only from parties listed under ALMM as published by MNRE</i>	Annexure 5A
2	The scope will involve turnkey EPC but will exclude supply of solar PV modules	Annexure 5B

2.5 In addition to the above, the Applicant shall also furnish the tentative cost estimate for the scope along with breakup as per format stipulated in this document.

2.6 Based on the responses received from the Applicants, CIL will conduct a tendering process for selection of EPC-cum-O&M Contractor(s) for the said project. The selected Contractor will be expected to provide best-in-class technologies.

2.7 The Solar Power Plant should be designed for interconnection with the pooling substation at the Solar Park through dedicated cable/line at voltage level of 33 kV. EPC Contractor will have to connect their project to the pooling substation at 33 kV through dedicated cable/ line.

2.8 Development of infrastructure such as roads, water system, evacuation system from pooling substation to grid substation etc, shall be under the scope of the Solar Power Park Developer and hence shall not be included in the scope of the EPC contractor

2.9 For evacuation of power from Solar Park 400 kV substation is planned nearby Solar Park which is being built by Rajasthan Vidyut Prasaran Nigam (RVPN).



### 3.0 Brief of 810 MW<sub>AC</sub> Solar Power Project in Bikaner, Rajasthan

The proposed solar project is to be set up in the Solar Park in Bikaner District of Rajasthan. The Solar Power Plant of 810 MW<sub>AC</sub> should be designed for interconnection with the pooling substation at the Solar Park through dedicated cable/line at voltage level of 33 kV. Developer will have to connect their project to the pooling substation at 33 kV through dedicated cable/ line. Detail of the site for proposed Solar Project at Solar Park is as under:

Site Details		
Sl. No.	Particulars	Features
1	Project Capacity	810 MW(AC)
2	Village	Ramsar Chhota, Banderewala, Barala,
3	Tehsil	Pugal
4	District	Bikaner
5	State	Rajasthan
6	Land Size (Ha)	1535
7	Latitude	28.30
8	Longitude	72.88
9	Minimum Capacity Utilization Factor (CUF) at delivery point in year-1 <i>(Note: The Delivery Point shall be on the LV side of the 400 kV Grid sub-station)</i>	28%
10	Nearest Town/ Railway Station	Bikaner (50 kms)
11	Nearest Airport/Port	Jaipur (398 Kms) Deendayal Port Trust (Kandla) – 903 Kms
12	Nearest Highway	Site is best approach to from Jamsar- Attrabad road NH-62 which connects the site to NH-11 from Bikaner to Fatehpur which connects the site to NH-52 Fatehpur and Jaipur as 175 Kms

## 4.0 Information required to be submitted by the Applicants

- 4.1 The Applicant shall be an entity, where entity means a body corporate incorporated in India under the Companies Act, 2013 and its amendments thereof or any other relevant law in India, as applicable.
- 4.2 The Applicant entity should not be currently debarred or blacklisted by any of the Central or State Governments / Government Department / PSU / autonomous organizations / multilateral donor institutions. It should not have employed any public servant dismissed / removed or person convicted for an offence involving corruption or abetment of such offences. Director(s)/Owner(s)/Proprietor/Partner(s) of the Applicant entity should not have been convicted by any court of law for offences involving corrupt and fraudulent practices including moral turpitude in relation to business dealings with the Government of India or CIL or CIL's subsidiaries during the last five (5) years.
- 4.3 The Applicant shall furnish the following information in its EOI:

### General Information about the Applicant:

- i) The information about the Applicant should be furnished as per format provided in Annexure-1.
- ii) Undertaking should be furnished as per format provided in Annexure-2.

### Technical Information about the Applicant:

The Applicant should have experience of successful EPC of utility-scale ground-mounted grid-connected solar PV power plants in India. The Applicant shall furnish details of such experience in the format given in Annexure-3.

### Financial Information about the Applicant:

The Applicant shall furnish the Annual Turnover and Net Worth during the last three financial years just preceding the financial year in which EOI has been submitted in the format given in Annexure-4.

**Note:** Financial data should be provided in Indian Rupees only.

- 4.4 The Applicant can choose either of the following options while submitting its EO and submit Annexure 5A or 5B accordingly:

Options	Description	Applicable Format
1	The scope will involve turnkey EPC of the entire plant including supply of solar PV modules along with BOS <i>Note: The modules shall be sourced only from parties listed under ALMM as published by MNRE</i>	Annexure 5A
2	The scope will involve turnkey EPC but will exclude supply of solar PV modules	Annexure 5B



## 5.0 Instructions to the Applicants

- 5.1 This section on 'Instructions to the Applicants' should be read in conjunction with the other parts of this Request for EOI (REOI) document. Although details presented in this section have been compiled with all reasonable care, it is Applicant's responsibility to satisfy itself that the information / documents are adequate and that there is no conflict between the stipulations contained in this section and other parts of this REOI document. No dispute or claims shall be entertained on this account. Preparation of the EOI is the responsibility of the Applicant and no relief or consideration can be given for errors and omissions.

### **Obtaining the REOI Documents:**

- 5.2 A complete set of REOI Documents may be downloaded free of cost by any interested applicant from CIL's e-Tender Portal (<https://coalindiatenders.nic.in>).
- 5.3 This EOI is not transferable.
- 5.4 Applicants should download the complete REOI document, and read carefully before filling the details and uploading the requisite documents.

### **Requirements for participation in e-tenders**

- 5.5 The Applicant will have to submit the EOI online at CIL's e-Tender Portal (<https://coalindiatenders.nic.in>). Offline submission will not be acceptable.
- 5.6 In order to submit the online EOI on CIL's e-Tender portal, the Applicant should meet the following requirements:
- Personal Computer connected with internet (for details, please visit the home page of CIL's e-Tender portal <https://coalindiatenders.nic.in>).
  - It will be the Applicant's responsibility to comply with the system requirement i.e. hardware, software and internet connectivity at Applicant's premises to access the e-Procurement portal. Under no circumstances, CIL shall be liable to the Applicants for any direct/indirect loss or damages incurred by them arising out of incorrect use of the e-Procurement portal or internet connectivity failures.

### **Online enrolment / registration with CIL's e-Procurement portal**

- 5.7 The interested Applicant should enroll / register himself at the CIL's e-Tender Portal (<https://coalindiatenders.nic.in>) in order to participate in the EOI process.
- 5.8 Online enrolment/registration of the Applicants on the e-Tender portal is free of cost and one-time activity only. The registration should be in the name of the Applicant in its own style and name. Digital Signature Certificate (DSC) holder, who is registered on behalf of the Applicant for submitting the Applicant documents, under his digital signatures in the e-Tender portal must be Applicant's duly authorized person, with valid DSC as per clause below. It shall be the responsibility of the Applicants to ensure that they get registered with the CIL's e-Tender portal well in advance and download the Applicant document before the last date and time for the same.



- 5.9 Digital Signature Certificate (Class II or Class III) must be from any Certifying Authority authorized by Controller of Certifying Authority, Government of India (CCA) and which can be traced up to the chain of trust to the root certificate of CCA.

#### **Help for participating in e-tender**

- 5.10 The detailed method for participating in the e-Tender is available on links “Help for Contractor” and “Bidders Manual Kit” in CIL’s e-Tender portal. The Applicants may also seek help from the help-desk on 24x7 Toll Free No. 0120- 4200462, 0120-4001002 and additional mobile nos. +91- 8826246593 and +919903079800. All queries will be answered in English / Hindi only.

#### **Contents of the EOI**

- 5.11 The language for submission of EOI shall be English.
- 5.12 The enclosed attachments shall be filled in completely and wherever not applicable it should be written as “Not Applicable”. Applicants should furnish the required information and desist from writing “shall be furnished later” or submitting the blank form.
- 5.13 In case the Applicant intends to give additional information for which specified space in the given attachment is not sufficient, it can be furnished by additional sheets.
- 5.14 All the pages of the EOI and attachments should be signed and corrections and over writings should be countersigned by the authorized signatory.
- 5.15 The Applicant should submit an undertaking as per Format provided in Annexure-2.
- 5.16 CIL at any time reserves the right to cross check and confirm the information / details furnished by the Applicant.
- 5.17 All costs incurred by Applicant for preparing and submitting the EOI, in providing clarification or any other expenses whatsoever shall be borne by Applicants themselves, regardless of the conduct or outcome of the EOI process.

#### **Online Submission of EOIs**

- 5.18 The Applicant will submit his EOI online at CIL e-Tender Portal (<https://coalindiatenders.nic.in>) after carefully examining the documents.
- 5.19 Applicants to ensure that all uploaded documents are duly signed by the Applicant as per the format provided and must be digitally certified.
- 5.20 Applicants to further ensure that documents uploaded by them can be downloaded properly by CIL. CIL shall not be responsible for corrupted files, if any, uploaded online. Further file related to particular Attachment/Schedule including their annexures, if any, shall be given name of that Attachment/Schedule only.
- 5.21 EOIs shall be hosted/ uploaded on the system as per timelines and the schedule specified on the tender notification.

#### **Deadline for Submission of EOIs**

- 5.22 EOIs must be submitted online no later than the time and date stated in this REOI document.





- 5.23 CIL may, at its discretion, extend this deadline for submission of EOIs by amending the REOI documents, in which case all rights and obligations of CIL and Applicants will thereafter be subject to the deadline as extended.

**Clarifications sought by the Applicant:**

- 5.24 The Applicant can seek clarifications on any matter pertaining to this REOI document by submitting its queries online on the e-Tender portal or through email within the timeline specified in this REOI document.
- 5.25 CIL will upload its reply to the clarifications on the e-Tender portal.

**Amendment to REOI Documents:**

- 5.26 At any time prior to the deadline for submission of EOIs, CIL may, for any reason, whether at its own initiative, or in response to a clarification requested by any Applicant, amend the REOI document.
- 5.27 The amendments will be uploaded on the e-Tender portal by CIL. It will be assumed that the amended information have been taken into account by the Applicant in its EOI.
- 5.28 In order to afford prospective Applicants reasonable time in which to take the amendment into account in preparing their response, CIL may, at its discretion, extend the deadline for the submission of EOIs.
- 5.29 Applicants are advised to check regularly CIL e-Tender Portal for updates.

**Opening of EOIs:**

- 5.30 The EOIs will be decrypted on-line and will be opened by CIL on the pre-scheduled date and time specified in this REOI Document.
- 5.31 Applicant's attendance during the EOI opening in CIL Premises is not envisaged.

**Schedule:**

- 5.32 Timeline associated with the EOI is shown below. CIL reserves the right to amend the EOI process and amend the schedule at any stage.

Event	Date / Time
Issuance of REOI document by CIL	03.02.2023, 12:00 Hrs
Last Date and Time for downloading the REOI document by the Applicants	13.02.2023, 17:00 Hrs
Last Date and Time for submission of queries / request for clarifications by the Applicants	07.02.2023, 17:00 Hrs
Last Date and Time for receipt of EOIs by CIL	13.02.2023, 17:00 Hrs

**Right to Accept or Reject EOI:**

- 5.33 Notwithstanding anything contained in this REOI document, CIL reserves the right to



accept or reject any EOI or annul the process or reject all EOIs at any time without any liability or any obligation for such acceptance, rejection or annulment without assigning any reasons.

**5.34 Address for Communication and Submission:**

Soumitra Singh Executive Director (Solar) Coal India Limited Coal Bhawan Premise No-04 MAR, Plot No-AF-III, Action Area- 1A, Newtown, Rajarhat, Kolkata-700156, W.B.	S.K. Jana GM(Solar) Coal India Limited Coal Bhawan Premise No-04 MAR, Plot No-AF-III, Action Area-1A, Newtown, Rajarhat, Kolkata-700156 PBX: 033-7110-4349 Email: gmsolar.cil@coalindia.in	Jitendra Kr. Singh Manager (E&M)  Email: <a href="mailto:singh.jitendra@coalindia.in">singh.jitendra@coalindia.in</a>  PBX: 033-7110-4610 Mob: +91-9955991706
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**Corrupt or Fraudulent Practices:**

5.35 CIL requires that Applicants observe the highest standard of ethics during the procurement and execution of the contracts. In pursuance of this policy, CIL:

- a) Defines, for the purposes of this provision, the terms set forth below as follows:
  - i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
  - ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among Applicants (prior to or after submission of EOI) and to deprive CIL of the benefits of free and open competition;
- b) will reject an EOI if it determines that the Applicant has engaged in corrupt or fraudulent practices;
- c) will declare a firm ineligible, either indefinitely or for a stated period of time, for any subsequent shortlisting/ tendering process if it at any time determines that the firm has engaged in corrupt or fraudulent practices.

5.36 Applicant or bidder means the entity participating or intending to participate in this process, namely, Request for EOI: EPC for 810 MW solar PV project in Bikaner district, Rajasthan, as the case may be, shall respectively be referred as Applicant or Bidder.

5.37 Applicable Law and Jurisdiction: This EOI document shall be construed in accordance with the applicable laws of India. The Courts at Kolkata shall have exclusive jurisdiction in any proceedings arising out of this document.



## 6.0 List of Formats

- Covering Letter
- **Annexure-1:** General information of the Applicant
- **Annexure-2:** Format for Undertaking
- **Annexure-3:** Details of Applicant's experience
- **Annexure-4:** Financial information of the Applicant
- **Annexure-5A:** Cost Estimate for the scope of work along with breakup for Option 1
- **Annexure-5B:** Cost Estimate for the scope of work along with breakup for Option 2



## Covering Letter

(On Applicant's letterhead)

Ref.:

Date:

Place:

To,

Executive Director (Solar)  
Coal India Limited  
Coal Bhawan  
Premise No-04 MAR,  
Plot No-AF-III, Action Area-1A,  
Newtown, Rajarhat, Kolkata-700156  
PBX: 033 7110-4349  
Email: - [gmsolar.cil@coalindia.in](mailto:gmsolar.cil@coalindia.in)

**Subject:** EOI for Design, Engineering, Supply and Procurement, Construction, Erection, Testing, Commissioning, Operation and Maintenance of Solar Photovoltaic Grid-Connected Power Plant of capacity 810 MW<sub>AC</sub> in Bikaner district, Rajasthan

**Eoi Reference:** ..... dated .....

**eTender ID:** 2023\_CILHQ\_269887

Dear Sir,

We hereby, submit our EOI for “**Design, Engineering, Supply and Procurement, Construction, Erection, Testing, Commissioning, Operation and Maintenance of Solar Photovoltaic Grid-Connected Power Plant of capacity 810 MW<sub>AC</sub> in Bikaner district, Rajasthan**” in accordance to the Request for Expression of Interest (REOI) Document No..... of Coal India Ltd. (CIL), hereinafter, referred to as REOI Document.

We hereby confirm the following:

The EOI is being submitted by \_\_\_\_\_ (Name of the Applicant Entity) who is the Applicant in accordance with the conditions stipulated in the REOI Document.

We \_\_\_\_\_ (Name of the Applicant Entity), as the Applicant, would be responsible for completion and performance of the anticipated Scope of Work.

We hereby submit the following details in accordance with the conditions stipulated in the REOI Document:



Request for EOI: EPC for 810 MW solar PV project in Bikaner district, Rajasthan

Particulars	Details
Proposed Capacity in MW <sub>AC</sub> for which the EPC service shall be provided by the Applicant	<Minimum Capacity of 200 MW <sub>AC</sub> and maximum capacity of 810 MW <sub>AC</sub> >
Choice of Option w.r.t Scope of Service as per Clause 2.4 of the REOI	<Option 1 / Option 2>

We have examined in detail and have understood, and abide by, all the terms and conditions stipulated in the REOI Document and in any subsequent communication sent by CIL. Our EOI is consistent with all the requirements of submission as stated in the REOI Document or in any of the subsequent communications from CIL.

The information submitted in our EOI is complete, is strictly as per the requirements as stipulated in the REOI Document and is correct to the best of our knowledge and understanding.

**Signed for and on behalf of**

**(Sign. & Seal of Authorized Signatory)**

Enclosures – As per the list of documents given below:

Sl. No.	Formats as per REOI Document	Description	Documents Submitted
1.	Annexure-1	General information of the Applicant	Yes/No
2.	Annexure-2	Format for Undertaking	Yes/No
3.	Annexure-3	Details of Applicant's experience	Yes/No
4.	Annexure-4	Financial information of the Applicant	Yes/No
5.	Annexure-5A	Cost Estimate for the scope of work along with breakup for Option 1	Yes/No/NA
6.	Annexure-5B	Cost Estimate for the scope of work along with breakup for Option 2	Yes/No/NA



## Annexure-1: General information of the Applicant

(On Applicant's letterhead)

<b>1</b>	<b>Applicant Entity Details</b>	
1.1	Full Legal Name of Applicant's entity	
1.2	Legal Status of the Applicant's entity	Public Ltd. Co. / Pvt. Ltd. Co. / Partnership / Proprietorship / Any other status as applicable
1.3	CIN	
1.4	Registration No.	
1.5	Year of Registration	
1.6	Registered Office Address	
1.7	Telephone Number	
1.8	Fax Number	
1.9	e-mail Address	
1.10	PAN	
1.11	Principal Place of Business	
1.12	GSTIN	
<b>2</b>	<b>Details of Personnel authorized for signing EOI</b>	
2.1	Name	
2.2	Designation	
2.3	Address	
2.4	Mobile Number	
2.5	e-mail ID	
<b>3</b>	<b>Details of Contact Person for Participation in Tenders post EOI</b>	
3.1	Name	
3.2	Designation	
3.3	Address	
3.4	Mobile Number	
3.5	e-mail ID	



Request for EOI: EPC for 810 MW solar PV project in Bikaner district, Rajasthan

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**(Sign. & Seal of Authorized Signatory)**

**Note:** CIL reserves the right to seek additional documentary evidence from applicants in support of their respective statements.

The applicant may use additional page to furnish details if the space provided in this form is inadequate.



## Annexure-2: Format for Undertaking

(TO BE SUBMITTED ON COMPANY LETTERHEAD)

I \_\_\_\_\_, the Authorized signatory of \_\_\_\_\_ (mention name of the Applicant Entity and its complete address) do here by solemnly affirm and declare as under:-

1. That our Firm / Company i.e. \_\_\_\_\_ (mention name of the Applicant Entity) has applied in response to the invitation of EOI for Design, Engineering, Supply and Procurement, Construction, Erection, Testing, Commissioning, Operation and Maintenance of Solar Photovoltaic Grid-Connected Power Plant of capacity 810 MW<sub>AC</sub> in Bikaner district, Rajasthan.
2. That our Firm / Company i.e. \_\_\_\_\_ (mention name of the Applicant Entity) is eligible to submit the aforesaid EOI as it not is under liquidation, court receivership or similar proceedings.
3. That all the information, documents and declarations submitted in/with our EOI are correct to the best of our knowledge and understanding.
4. That if any information, document or declaration submitted in/with our EOI, is found to be incorrect at a later date, we indemnify CIL against any loss due to this and CIL may take any action as deemed fit.
5. We hereby declare the following:
  - a) We have not been Banned/Blacklisted as on date of submission of bid by any of the Central or State Governments in India / Government Department in India / Indian PSU / autonomous organizations in India / multilateral donor institutions.
  - b) We have not employed any public servant dismissed/removed or person convicted for an offence involving corruption or abetment of such offences.
  - c) Our Director(s)/Owner(s)/Proprietor/Partner(s) have not been convicted by any court of law for offences involving corrupt and fraudulent practices including moral turpitude in relation to business dealings with Government of India or CIL or CIL's subsidiaries during the last five (5) years.
6. We further declare as under:

That if any information / data furnished by us is found to be incorrect or false or misleading at any point of time, it would render us liable to be debarred from any subsequent tendering / taking up of work in CIL, and CIL shall have the full right to take any action as per applicable laws.

Signed for and on behalf of

(Sign. & Seal of Authorized Signatory)

Date:

Place:





## Annexure-3: Details of Applicant's experience

(On Applicant's letterhead)

Details of the EPC works for Solar Photo Voltaic-based utility-scale ground-mounted grid-connected power project(s) executed by the Applicant:

Sl. No.	Project name	Capacity (MW <sub>AC</sub> )	Location of installation	Client / Customer Name and Address	Date of award	Date of commissioning	Current status of project (e.g. under construction, successful operation)	Applicant's Scope of work in the project (e.g. EPC, O&M)
1								
2								
3								
	Add rows for more no. of projects							
<b>Total Capacity</b>								

(Sign. & Seal of Authorized Signatory)

Place:

Date:



## Annexure-4: Financial information of the Applicant

(On Applicant's letterhead)

Financial Year	Annual Turnover (INR Crore)	Net Worth (INR Crore)

(Sign. & Seal of Authorized Signatory)

Place:

Date:



## Annexure-5A: Cost Estimate for the scope of work along with breakup for Option 1

### **Scope of work: Turnkey EPC including supply of solar PV modules**

Particulars	Details
Capacity of the Solar PV Project (MW <sub>AC</sub> )	
Proposed DC Overloading (in %) to achieve 28% CUF at delivery point in year-1 <i>(Note: The Delivery Point shall be on the LV side of the 400 kV Grid sub-station)</i>	

Sl. No.	Item	Cost Estimate excluding GST for the project capacity mentioned above (Rs. Crore)	Cost Estimate including GST for the project capacity mentioned above (Rs. Crore)	Remarks (if any)
1	Supply of PV Modules <i>Note: The modules shall be sourced only from parties listed under ALMM as published by MNRE</i>			
2	Supply of Balance of System including all equipment, materials, accessories etc. and any other item as required for successful completion of the Project (apart from Sr.no.1)			
3	General works including survey, land development, design & engineering, foundation works, construction, erection, electro-mechanical works, testing, commissioning, evacuation infrastructure till pooling substation in respect of the entire Project and inclusive of all preliminary and pre-operative expenses, expenses related to statutory approvals and clearances up to the Performance Guarantee (PG) Test			



Request for EO: EPC for 810 MW solar PV project in Bikaner district, Rajasthan

<b>Sl. No.</b>	<b>Item</b>	<b>Cost Estimate excluding GST for the project capacity mentioned above (Rs. Crore)</b>	<b>Cost Estimate including GST for the project capacity mentioned above (Rs. Crore)</b>	<b>Remarks (if any)</b>
<b>4</b>	<b>Total EPC Cost (sum of 1 to 3)</b>			
<b>5</b>	<b>Annual O&amp;M Cost</b>			



## Annexure-5B: Cost Estimate for the scope of work along with breakup for Option 2

### **Scope of work: Turnkey EPC excluding supply of solar PV modules**

Particulars	Details
Capacity of the Solar PV Project (MW <sub>AC</sub> )	
Proposed DC Overloading (in %) to achieve 28% CUF at delivery point in year-1 <i>(Note: The Delivery Point shall be on the LV side of the 400 kV Grid sub-station)</i>	

Sl. No.	Item	Cost Estimate excluding GST for the project capacity mentioned above (Rs. Crore)	Cost Estimate including GST for the project capacity mentioned above (Rs. Crore)	Remarks (if any)
1	Supply of Balance of System including all equipment, materials, accessories etc. and any other item as required for successful completion of the Project			
2	General works including survey, land development, design & engineering, foundation works, construction, erection, electro-mechanical works, testing, commissioning, evacuation infrastructure till pooling substation in respect of the entire Project and inclusive of all preliminary and pre-operative expenses, expenses related to statutory approvals and clearances up to the Performance Guarantee (PG) Test			
3	<b>Total EPC Cost (sum of 1 to 2)</b>			
4	Annual O&M Cost			