



सीएमपीडीआई  
***cmpdi***

A Mini Ratna Company

**TENDER DOCUMENT**

**FOR  
DESIGN, SUPPLY, ERECTION, COMMISSIONING  
AND TESTING  
OF  
GRID CONNECTED 1.02 MW SOLAR POWER PLANT  
HAVING FIVE YEARS O&M  
FOR  
CENTRAL COALFIELDS LIMITED, RANCHI**

**AT  
BARKASAYAL AREA, CENTRAL HOSPITAL, RAMGARH AND CENTRAL WORKSHOP,  
BARKAKANA**

**VOLUME – I**

**[COMMERCIAL]**



**JANUARY, 2023**

**Central Mine Planning and Design Institute Ltd.  
(A Subsidiary of Coal India Ltd.)  
Gondwana Place, Kanke Road,  
Ranchi - 834031 (Jharkhand)**

## INDEX

Sl. No.	Section	Description	Page No.	
			From	To
1.0	I	e-TENDER NOTICE	1	24
2.0	II	INSTRUCTION TO BIDDER	25	40
3.0	III	GENERAL TERMS & CONDITIONS OF CONTRACT	41	70
4.0	IV	ADDITIONAL TERMS & CONDITIONS OF CONTRACT	71	73
5.0	V	GENERAL TECHNICAL CONDITIONS	74	85
6.0	VI	ERECTION CONDITIONS OF CONTRACT	86	101
7.0	VII	SAFETY CODE	102	107
8.0	VIII	e-TENDER PORTAL USER AGREEMENT	108	114
9.0	IX	GUIDELINES FOR BANNING OF BUSINESS	115	117
10.0	X	ANNEXURES	118	154

**SECTION-1**  
**e-TENDER NOTICE**



**CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED**  
(A Miniratna Company & Subsidiary of Coal India Limited)  
**OFFICE OF THE GENERAL MANAGER (E&M)/HoD(E&M)**

Reg. Office: Gondwana Place, Kanke road, Ranchi-834031(Jharkhand)

Website: [www.coalindiatenders.nic.in](http://www.coalindiatenders.nic.in)  
Under Jurisdiction of Ranchi Court only  
Mail ID: [gmenm.cmpdi@coalindia.in](mailto:gmenm.cmpdi@coalindia.in)

NIT No.: CMPDI/ENM/CCL/SOLAR/2023/03

Tender id no: 2023\_CMPDI\_276169\_1

**e-TENDER NOTICE**

1. CMPDI on behalf of Central Coalfields Limited (CCL), Ranchi invites digitally signed and encrypted e-Tenders under Two Parts system on the eProcurement portal of Coal India Limited (<https://coalindiatenders.nic.in>) from the reputed and experienced contractors for the following work:

Description of work	Location	Estimated Cost of Work (In Rs.) (Including GST)	Earnest Money (In Rs.)	Period of Completion (in Days)
Planning, Design, Engineering, Construction, Fabrication, Erection, Supply, Installation, Testing and Commissioning of grid Connected 1.02 MWp Solar Power Plant (Roof top installation of 860kWp (Barka-Sayal Area – 378kWp, Ramgarh Area – 394kWp, Barkakana Area – 88kWp) and ground mounted installation of 160kWp in Mine Rescue Station (MRS), Ramgarh Area consisting of all Civil, Structural, and Electrical Works and all other accessories and facilities required to make it complete in all respects including Power Evacuation and Operation & Maintenance of plant for five years.	Barka-Sayal Area, Ramgarh Area, Barkakana Area Dist.- Ramgarh Jharkhand	<b>Rs. 475.86 Lakh</b>	5.95 Lakh	Total contract period: 2005 days (180 days + 1825 days) a) Construction of plant including testing, Commissioning: 180 days b) Comprehensive Operation & Maintenance of Plant: 1825 days
Tender inviting authority	Contact Person(s)/Tender Dealing Officer(s)	Contact Person for site visit of work		
HoD (E & M) CMPDIL, Kanke Road, Ranchi-834008	Mukesh Kumar, Sr. Manager (E&M), CMPDI (HQ), Gondwana Place, Kanke Road, Ranchi-834008, Contact No. 8987789112	Amrendra Kumar, SO (E&M), Barkasayal, CCL. Contact No. -8987785288		
HELP DESK (24 X 7) TEL. NO.: 0120-4200462, 0120-4001002, 0120-4001005, 0120-6277787				

**DETAILS OF GST REGISTRATION OF CCL:**

GSTIN of CCL	Jharkhand	West Bengal (WB)
	20AAACC7476RHZT	

**Note:**

- (i) Availability of Input tax credit to CCL: Input tax credit is to be availed by CCL as per rule.
- (ii) The bid documents will be available on the website (<https://www.coalindiatenders.nic.in>) and can be downloaded by the bidder up to the bid submission end date. The details of the tender will be mirrored on the Central Public Procurement Portal (CPP) of Govt. of India (<https://eprocure.gov.in>).

**2. Time Schedule of Tender:**

Sl.No.	Particulars	Date	Time (IST)
a.	Tender Publication Date	<b>Date and Time as mentioned in the website</b>	
b.	Document download Start Date		
c.	Document download End Date		
d.	Bid Submission Start Date		
e.	Bid Submission End Date		
f.	Start Date for seeking Clarification on-line		
g.	Last Date for seeking Clarification on-line		
h.	Date of Pre-bid Meeting		
i.	Bid Opening Date [Cover-I (Technical-bid)]		
j.	Bid Opening Date [Cover-II (Price-bid)]		

For details of qualification requirements, and complete tender document, visit our website <http://eprocure.gov.in/cppp>. Detailed Tender Notice is available at <https://coalindiatenders.nic.in>

**NOTE: End user portal agreement of CIL is applicable for CMPDI and CCL also.**

**The auto extension of submission of bid shall be applicable as per details mentioned in clause no.10 of NIT.**

**3. Deposit of EMD:**

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

The bidders have to make payment of EMD either through Net-banking from designated Banks or through NEFT/RTGS from any scheduled Bank. In case of payment through Net-banking the money will be immediately transferred to CMPDI's designated Account. In case of payment through NEFT/RTGS the bidder will have to make payment as per the Challans 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 CMPDI's account and the information flows from Bank's Server to e-Procurement portal.

4. **Seeking Online Clarification by bidder:** The bidder may seek clarification online within the specified period in the e- Procurement portal of CIL only. The identity of the Bidder will

not be disclosed by the system. The department will clarify as far as possible the relevant queries of bidders. No offline communication shall be entertained. The clarifications given by department will be visible to all the bidders intending to participate in that tender.

5. **Pre-Bid Meeting:** The pre-bid meeting shall be held in the office of Tender Inviting Authority on the scheduled date & time, if specified online. Non-attendance of pre-bid meeting will not be a cause for disqualification of the bidder and it shall be presumed that the bidder does not require any clarification. The purpose of Pre-bid meeting is to clarify the issues raised by bidders during the meeting. In case the Pre-Bid Meeting is held, the Minutes of Pre-Bid Meeting will be uploaded on the e-Procurement Portal, before start date of bid submission which can be viewed by all interested bidders.

6. **Eligibility Criteria:** -

A. **Work Experience:**

The intending tenderer must have in its name experience of having successfully completed similar works during **last 7 (Seven) years** ending last day of month previous to the one in which bid applications are invited i.e. e-publication date on procurement portal should be any of the following.

i) Three similar completed works each costing not less than the amount equal to 20% of the estimated cost put to tender.

Or

ii) Two similar completed works each costing not less than the amount equal to 25% of the estimated cost put to tender.

Or

iii) One similar completed work costing not less than the amount equal to 40% of the estimated cost put to tender.

**Definition of Similar Work:**

**The definition of similar works shall be work related to design, supply, erection, construction, installation, testing and commissioning of Solar Photo Voltaic (SPV) grid connected power plant(s) (Ground Mounted/Roof-top/Floating solar power projects) of installed capacity not less than 100 kWp in a single work order (consisting of all civil, structural, electrical works and all other accessories and facilities required to make it complete in all respects). The Solar plant of 100 kWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of technical bid opening.**

Completion of works means completion of works by undertaking entire responsibility from design, Supply, Installation, Construction, Commissioning and necessary clearances from DISCOM/Railways or any other statutory requirement except tree cutting permission. CCL will pay the Statutory/ License fee for such clearances.

Experience for those works only shall be considered for evaluation purposes, which match eligibility requirement stipulated above, on or before the last day of month previous to one in which tender has been invited (publication date of NIT). The experience of incomplete/ongoing works as on last date of eligibility period will not be considered for evaluation. If the referred work includes construction as well as maintenance after construction, the experience of such work may be considered as 'acceptable' if the construction part is completed as on the last date of 'eligibility period', even if maintenance work is ongoing, and the certificate issued clearly stipulates the same.

In all the above cases, while considering the value of completed works, the full value of completed work be considered whether or not the date of commencement is within the said seven-year period.

Cost of previous completed work(s) shall be given a simple weightage of 5% per year to bring them at current price level, while evaluating the qualification requirement of the bidder. Such weightage shall be considered after end date of completion. The year can be considered as suitable consecutive 365 days till the last day of month previous to one in which bid has been invited. Updating will be considered for full or part of the year (total no. of days / 365) i.e. considering 365 days in a year, till the last day of month previous to one in which bid has been invited.

The intending tenderer must submit documentary evidence in support of above in the form of (i) certified copy of work order, (ii) completion certificate indicating value and period of work, The TDS certificate be submitted during clarification, if any.

Note:

1. The experience towards overseas jobs, if submitted, should be vetted/endorsed by the relevant\* embassy/high commission concerned, towards authenticity of document in English or translated in English language.

(\*Relevant embassy/High Commission means the embassy/High Commission in India of the country where the bidder has executed the said work or country of origin of the bidder OR the Indian embassy in the country where bidder has executed the work or country of origin of the bidder.)

**2. Joint Venture, shall be allowed for participation in the bid with estimated cost Above Rs. 5.0 Crores.**

The above qualification criteria shall be fulfilled by JV in the following manner.

The qualifying criteria parameter e.g. experience of the individual partners of the J.V will be added together as deliberated hereinafter towards fulfillment of qualification criteria related to experience.

a) In case of completion of single work of similar nature costing, not less than the amount equal to 40% of the estimated cost put to tender: -

i) Any of the JV partner shall have the experience of having completed successfully a single work of similar nature equal to 40% of the estimated cost put to tender.

Or

b) In case of completion of two works of similar nature each costing not less than the amount equal to 25% of the estimated cost put to tender: -

i) Any one partner can match the above requirement.

Or

ii) At least two partners should each have completed at least one work of similar nature each costing not less than the amount equal to 25% of the estimated cost put to tender.

Or

c) In case of completion of three works of similar nature, each costing not less than the amount equal 20% of the estimated cost put to tender: -

i) Any one partner can match the above requirement.

Or

ii) Any two partners shall match the above requirement through completion of at least two works by one partner and one work by other partner of similar nature each costing not less than the amount equal 20% of the estimated cost put to tender: -

Or

iii) All the three partners shall match the above requirement through completion of at least one work of similar nature each costing not less than the amount equal 40% of the estimated cost put to tender.

However, the participating share of JV partners shall be as below: -

i) Lead Partner shall have at least 50% participating share in JV.

ii) Other partner(s) shall have at least 20% participating share in JV.

In respect of the above eligibility criteria the bidders are required to furnish the following information (As per Annexure X):

i. Start date & end date of each qualifying experience (similar nature)

ii. Work order Number /Agreement Number of each experience

iii. Name & address of Employer/Work Order Issuing authority of each experience

iv. Percentage (%) share of each experience (in case the experience has been earned by the bidder as a partner in a joint venture firm/partnership firm then the proportionate value of experience in proportion to actual share of bidder in that joint venture firm/partnership firm will be considered against eligibility else it shall be taken as 100%.)

v. Executed Value of work against each experience

vi. In case the bidder is a Joint Venture, work experience as above may be furnished as the work experience of the bidder.

vii. Scanned copy of documents as explained at clause 7 related to work experience.

**Note:**

a) In case the bidder is a Joint Venture, the above information in respect of each individual partner of JV may be furnished and the eligibility experience of JV will be assessed as per pre-defined logic elaborated above.

b) In case the bidder is a Joint Venture, the work experience of any or all of the individual partners of JV may be furnished to evaluate the work experience of the bidder. In case of JV, if work experience of all the partners is not submitted the system will not disqualify the JV and instead shall consider assuming a value of zero for partner/partners who has/have not submitted the experience value and certificate.

**B. Financial Turnover**

Average annual financial turnover during the last 3(three) years, ending 31st March of the previous financial year should be at least 30% of the estimated cost put to tender.

(The "Previous financial year" shall be computed with respect to the e-Publication date of NIT)