



सेंट्रल कोलफिल्ड्स लिमिटेड

Central Coalfields Limited

(A subsidiary of Coal India Limited)

**Bidding Document
FOR**

**Development of 20MW Solar PV Project at
Central Coalfields Limited (CCL) CHP/CPP
Piparwar, Jharkhand**

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CCL

A Miniratna cat-I company

सेंट्रलकोलफील्ड्सलिमिटेड
(कोलइंडियाकीअनुषंगीइकाई)
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CENTRAL COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

E&M DEPARTMENT

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NIT No.: GM(E&M)/Tender/20MW/21/1061

Dated: 31.03.2021

e-TENDER NOTICE

1. Digitally signed and encrypted e-Tenders are invited under Two Part system on the website <https://coalindiatenders.nic.in> from the reputed and experienced contractors for the following work:

Description of work	Location	Estimated Value (Rs.)	Earnest Money (Rs)	Period of Completion (in Days)
DEVELOPMENT OF 20 MW SOLAR PV PROJECT AT CENTRAL COALFIELDS LIMITED (CCL) CHP/CPP PIPARWAR, JHARKHAND	CHP/CPP PIPARWAR, JHARKHAND	91.93 Crore (Including GST and O&M cost for 5 Year) for 46.75 MU Maximum generation	<i>NIL</i> <i>(Bidders shall have to sign a Bid securing declaration as per Annexure-XXXI of Tender Document in place of EMD)</i>	Total contract period: 2055 days (270 days + 1825 days) a) Construction of plant including successfully trial run, :270 days (b) Operation & Maintenance of Plant: 1825 days

Note: The bid documents will be available on the website <https://www.coalindiatenders.nic.in> & www.centralcoalfields.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>) . There is no Application Fee.

2.0 BRIEF SCOPE OF WORK

Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of grid connected 20MW Ground Mounted Solar PV Project at CCL CHP/CPP Piparwar, Jharkhand.

The broad scope of work under this package shall include Civil Structural and architectural works related to but not limited to the following areas, System, Structures / Substructures, Buildings and Facilities:

- i. Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Solar Photo Voltaic Plant based on Open category PV modules and cells.
- ii. Site levelling & Grading and clearing/removal of vegetation.
- iii. Providing power supply and water supply for construction purposes.
- iv. Construction of Central Monitoring and Control Station (CMCS) with switchgear room, with all electrical fitting and furniture, security cabin etc.
- v. Construction of Inverter room/Pre - Engineered Building (PEB) as per bidder's proposal.
- vi. SCADA system for remote monitoring and including control of Inverters with all hardware & software.
- vii. Design, construction and fabrication of Module Mounting Structures and its Foundations.
- viii. Design and construction of Internal Roads and Pathways as per Bidder's proposed General Layout.
- ix. Design and construction of Drainage system as per General Layout and Topography.
- x. Construction of Prestressed precast Boundary wall and Main gate as per approved design.
- xi. Design and construction of a Module Washing System. Water supply arrangement for washing including supply and installation of Module Washing System.
- xii. Construction of Store Room.
- xiii. Design and construction of Sewerage System for any facility/ Room /building.
- xiv. Cable laying works
- xv. All associated electrical and civil works required for interfacing with grid (i.e. breakers, isolators, panels, protection system, cables/ overhead line).
- xvi. Construction of Overhead 33kV double circuit line and integration with CCL existing outdoor 33kV Central Switching Station (CSS), Piparwar Area including construction of two numbers of new 33kV Bay at CSS with all required control and protection system.
- xvii. Civil Foundation for all electrical items/33KV Systems.
- xviii. Metering system as per specifications.
- xix. Comprehensive Operation & maintenance of SPV Plant along with all electrical Equipment, consumables and spare parts for a period of 5 (Five) years from the date of successful completion of trial run.

- xx. Comprehensive AMC of Inverter, SCADA & tracker system (if applicable) for 5 years beyond comprehensive operation & maintenance period.
- xxi. Supply of Mandatory spares.
- xxii. Any other works and services to make the system complete.

3.0 Time Schedule of Tender

SL No	Particulars	Date	Time
1	Tender e-Publication date	As mentioned in the portal	
2	Document download start date		
3	Document download end date		
4	Date of Pre-Bid meeting		
5	Bid submission start date		
6	Bid submission end date		
7	Start date for seeking clarification on-line		
8	Last date for seeking clarification on-line		
9	Bid opening Date [Cover I (Technical bid)]		
10	Bid opening date [Cover II(Price bid)]		

4.0 Bid Securing Declaration

There shall be no EMD/Bid security for this tender. However, in place of EMD/Bid security the bidder will have to submit a “Bid Securing Declaration” in the Undertaking format at Annexure-XXXI, accepting that if they withdraw or modify their bids during the period of bid validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline or any other default as per tender document, they will be banned for two years from being eligible to submit bids in CIL and its subsidiaries.

Note: The above provision shall also be applicable for the Online User Portal Agreement

5.0 **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.

6.0 **Seeking online clarification by bidder:** The bidder may seek clarification online within the specified period. 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. The clarification given by the department will be visible to all the bidders intending to participate in the tender.

7.0 Eligibility Criteria:-

A. TECHNICAL CRITERIA

7.1 The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 16 MWp or higher, out of which at least one plant should have been of 10 MWp or higher capacity. The reference plant of 10MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of technical bid opening.

OR

7.2 The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 16 MWp or higher, out of which at least one plant should have been of 10 MWp or higher capacity. The reference plant of 10MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of technical bid opening.

OR

7.3 (a) The Bidder should have executed in the last ten (10) years an industrial project either as developer or as EPC Contractor in the area of power/ steel/ oil and gas/ petro-chemical/ fertilizer/cement/coal mining including coal handling plant and/ or any other process industry, of a value of INR 73 Crore(Indian Rupees Seventy Three Crore only) or more in a single project or single work respectively and the same should be in successful operation for at least one (1) year prior to the date of technical bid opening.

(b) The Bidder should have executed at least one (1) Electrical Sub-station of 33 kV or above voltage level, consisting of equipment such as 33kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least one (1) year prior to the date of technical bid opening.

The works referred to at clause 7.3 (a) & 7.3 (b) can be in same or different projects.

The Intending bidder must have in its name of having successfully completed works as required at Clause 7.1 /7.2/7.3 (a) & (b) above. 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 case the bidder is not a prime contractor, but a sub-contractor, the bidder's experience as sub-contractor will be taken into account, against suitable document that the contract in support of qualification is a sub-contract in compliance with the provision of such sub-contracts in the original contract awarded to prime contractor. The document may be issued by owner/Govt. department on behalf of the owner.

Joint Venture shall be allowed for participation in this bid. In order for joint venture to qualify, JV as a whole must meet the minimum criteria of work experience listed above. Failure to comply with this requirement will result in rejection of the Joint Venture's Bid. The qualifying criteria parameter e.g. experience of the individual partners of the J.V will be added together towards fulfilment of qualification criteria related to experience.

A firm can be a partner in only one joint venture; multiple bids submitted by joint ventures having the same firm as partner will be rejected.

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

Notes for clause 7.A

- a. The reference SPV based grid-connected power plant of 10MWp or above capacity should be at a single location developed by Bidder for itself or any other client.
- b. SPV based Roof-top/Floating solar power projects, which are grid connected, shall also be considered eligible for QR purposes.
- c. Projects executed by Bidder's group company, Holding Company or Subsidiary Company shall also be considered as Bidder's experience for meeting the QR, provided Bidder is an Indian company registered in India.
- d. Bidder shall submit certificate of successful completion and operation from the Owner.
- e. In case the award for the reference works has been received by the Bidder directly from either owner of plant or any other intermediary organization, a certificate from such owner of plant or the intermediary organization shall be required to be furnished by the Bidder along with its techno-commercial bid in support of its claim of meeting requirement stipulated above. Certificate from owner of the plant shall also be furnished by the Bidder for successful operation of the reference plant.
- f. In case of developer as bidder in clause 7.2 or 7.3, the documentary evidence (certified by Chartered Accountant) for value of executed reference work must be submitted by the Bidder.
- g. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- h. The execution of industrial project as EPC Contractor under Clause No. 7.3 means, such EPC Contractor is responsible for all the activities i.e. Design/Engineering, Procurement, Construction and Commissioning of a project/work.
- i. The portion of work related to power transformer such as supply and or installation mentioned at cl. No. 7.3(b) can either be done by EPC contractor by themselves or by the owner.
- j. 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.)

For Clause No 7.1

Data to be furnished by the bidders online:

Bidder has to confirm YES/NO in technical parameters sheet having experience as per clause 7.1 above.

Technical Evaluation by the System:

The System will evaluate "Yes" as eligible and "No" as not eligible.

Scanned Copy of documents to be uploaded by the bidders

Copies of authentic Purchase Orders Completion Certificate from client, Agreements in support of details/data along with Annexure - XII.

In case of Sub- Contractor, suitable document as per provision of eligibility, if applicable.

Work- Order, BOQ and/or TDS may be sought during clarification or along with deficient documents.

For Clause No 7.2

Data to be furnished by the bidders online:

Bidder has to confirm YES/NO in technical parameters sheet having experience as per clause 7.2 above.

Technical Evaluation by the System:

The System will evaluate “Yes” as eligible and “No” as not eligible.

Scanned Copy of documents to be uploaded by the bidders

Copies of authentic Purchase Orders Completion Certificate from client, Agreements in support of details/data along with Annexure - XIII.

The documentary evidence (certified by Chartered Accountant) for value of executed work in support of reference work.

Work- Order, BOQ and/or TDS may be sought during clarification or along with deficient documents.

For Clause No 7.3

Data to be furnished by the bidders online:

Bidder has to confirm YES/NO in technical parameters sheet having experience as per clause 7.3 (a) & (b) above.

Technical Evaluation by the System:

The System will evaluate “Yes” as eligible and “No” as not eligible.

Scanned Copy of documents to be uploaded by the bidders

Copies of authentic Purchase Orders Completion Certificate from client, Agreements in support of details/data along with Annexure - XIV.

In case of Sub- Contractor, suitable document as per provision of eligibility, if applicable.

In case the Project executed by Developer the documentary evidence (certified by Chartered Accountant) for value of executed work in support of reference work.

Work- Order, BOQ and/or TDS may be sought during clarification or along with deficient documents.

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)

The intending bidders must submit the Financial Turnover certificate (with UDIN No.) issued by a Practicing Chartered Accountant having a membership number with Institute of Chartered Accountants of India, containing the information as furnished by bidder.

The foreign partner(s) should submit Financial Turnover certificate based on IFRS (International Financial Reporting Standards) accounting standard certified by a local practicing public accountant/audit firm duly vetted/endorsed by the relevant *Embassy/High Commission concerned, towards authenticity of document.

(*Relevant embassy/High Commission means the embassy/High Commission in India of the country where the bidder has obtained Turnover certificate or country of origin of the bidder OR the Indian embassy in the country where the bidder has obtained Turnover certificate or country of origin of the bidder.)

Note:

Financial turnover 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 from the end date of financial year. 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.

Joint Ventures shall meet the above eligibility requirement, in the following manner:

The qualifying criteria parameter e.g. financial resources of the individual partners of the J.V. will be added together, for the relevant financial year, and the total should not be less than as spelt out above.

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

- i) Financial Turnover for the last three years (last three years may be considered as stated above).
- ii) Name of the Chartered Accountant issuing Certificate.
- iii) Membership Number of the Chartered Accountant.
- iv) Scanned Copy of document as explained at clause 8 related to financial turnover.

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 financial turnover of JV will be assessed by adding the information furnished.
- b) In case of JV, if financial turnover of all the partners is not submitted, JV will be not be disqualified and instead a value of zero for partner/partners who has/have not submitted the financial turnover certificate shall be considered.
- c) If the bidder does not submit turnover value and certificate for any year out of the three years, the bidder will not be disqualified and instead all three years for computing the average by assuming a value of “zero” for the year(s) for which no information is given by the bidder shall be considered.