



Cement Corporation of India Limited

Bokajan Cement Factory-782 490

Dist. Karbi Anglong, Assam

Phone 03675-246106/246108, Fax No. 03675-246107

E-mail: bokajancements@gmail.com

[Website:www.ccilttd.in](http://www.ccilttd.in)

NIT No. CCI/BKJ/ELECT/1MW/SOLAR/23-24/R

Dated 06.10.2023

2 bid (techno-commercial bid and price bid) open e-tender on online electronic bids through Electronic Tendering System (ETS) are inviting from the experienced parties who are interested in tender for **“Installation of 1MWp grid connected Solar PV Plants at Bokajan”**. The Contractor should be experienced of the mentioned work and must have experienced manpower resources etc. to take up the above work. The complete set of tender documents is available on websites: www.ccilttd.in and <https://etenders.gov.in/eprocure/app>, designed, developed and hosted by National Informatics Centre (NIC)

E-TENDER NO.	CCI/BKJ/ELECT/1MW/SOLAR/23-24
MODE OF TENDER	E-Procurement System (Online Part A :Techno-CommercialBid and Part B : Price Bid) through https://etenders.gov.in/eprocure/app .
Date of NIT available to parties to download	06/10/23 17:00 hrs.
i) Earnest Money Deposit	Nil
	Nil
	Nil
ii) Tender Fees	
iii) Transaction Fees	
Last date of submission of EMD and other documents required as per tender terms & conditions under covering letter(Annexure: A-II)	21/10/2023(15:00 hrs.)
Date & time of opening of Part- A(i.e. Techno - Commercial Bid)	23/10/2023(15:00 hrs.)
Part-B Price Bid: Date of opening of Part- B i.e. price bid shall be informed separately	shall be informed separately
Validity of bids	120 days from the date of the techno-commercial bid opening.
Date of pre-bid meeting	14.10.2023

Offer is invited for the following as per details given below: -

NIT No.	Name of the Item	Quantity
CCI/BKJ/ELECT/1MW/SOLAR/23-24/R	Installation of 1MWp grid connected Solar PV Plants at Bokajan.	Works as per Part III and Annexure –D

1. Only those tenders will be eligible who fulfill the terms & conditions mentioned in the tender documents duly signed by the tenderer on each page of tender document signifying the acceptance of tender.
2. The price-bid should be filled **online only** as per CCI's Price - Bid format (Annexure F), otherwise, the tender is liable for rejection. Please be cautious not to include the price bid in the techno-commercial bid.

Offer is invited for the following on FIRM & FOR destination basis as per details given below: -

NIT No.	Name of the work
CCI/BKJ/ELECT/1MW/SOLAR/23-24	Installation of 1MWp grid connected Solar PV Plants at Bokajan Cement Factory.

1. Only those tenders will be considered who fulfill the terms & conditions mentioned in the tender documents.
2. The price- bid should be only as per CCI's price - bid format otherwise the tender is liable for rejection.
3. Tenderer must visit CCI web site www.ccilttd.in for Part-I & II and submit the same along with the Annexure 1 to 9. Part-I & Part-II and their annexure are part of this tender, tenderer must sign and upload online along with techno- commercial bid of the tender. Part-I & II is available in English as well in Hindi in website for better understanding, however, in case of any contradiction in Hindi & English version, English version shall prevail.

List of Annexure

The tender documents comprise of following:-

Annexure: I	Important Instructions to Bidders
Annexure: II	Covering letter which must be submitted by tenderer duly filled in.
Annexure-III	Special terms & conditions, Techno-commercial bid.
Annexure-IV	Technical specifications
Annexure-V	site survey visit report
Annexure: VI	Price Bid Performa (Price schedule) to be submitted duly filled in on-lineas Part-B. Cost break up rates quoted may also be furnished.

Note :- Part-I — Instruction to tenderers, Part-II- General terms & conditions & Annexure 1 to 9(to be taken from CCI websites www.ccilttd.in)

HOD (E&I)

Important Instructions for E-procurement

This is an e-tender event of CEMENT CORPORATION OF INDIA. The e-tender service provider is Central Public Procurement Portal (<https://etenders.gov.in/e procure/app>), designed, developed and hosted by National Informatics Centre (NIC).

You are requested to read the tender terms & conditions of this tender before submitting your online tender. Successful tenderer who do not comply with the conditions with documentary proof (wherever required) will not qualify in the Tender for opening of price bid.

1.	<p>Process of E-tender :</p> <p>Registration:</p> <p>The process involves free vendor's registration with Central Public Procurement Portal (https://e procure.gov.in/e procure/app). Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a personal computer (PC) connected with Internet. NIC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).</p> <p>SPECIAL NOTE: THE PRICE BID AND THE TECHNO-COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT https://e procure.gov.in/e procure/app</p> <p>Vendors are required to register themselves online with https://e procure.gov.in/e procure/app Visit the sitemap of the portal and click on the Bidder enrollment for registration. Click on the Bidders Manual Kit to familiarize with the working of the portal. In case of any clarification, please contact CCI/ NIC (before the scheduled time of the e- tender).</p> <p>Contact person (Cement Corporation of India):</p> <table border="0"><tr><td>HOD (M.M.), CCI, Bokajan Cement Factory, Dist.: Karbi Anglong, Assam Contact No.: 03675-246109, M. No.: 7086653319 E. mail: bokajanmm01@gmail.com</td><td>HOD (E&I) CCI, Bokajan Cement Factory, Dist.: Karbi Anglong, Assam Mobile No.: 8287932783 E.mail:bkjelectrical@gmail.com</td></tr></table> <p>Help Desk (NIC-CPPP): E-commerce : For any technical related queries please call at 24 x 7 Help Desk Number 0120-4001 002/005, 0120-6277 787</p> <p>B) System Requirement: Windows 8,10 professional Operating System, internet browser-9,10 and 11 Signingtype III digital signature Java JRE 6 and above</p>	HOD (M.M.), CCI, Bokajan Cement Factory, Dist.: Karbi Anglong, Assam Contact No.: 03675-246109, M. No.: 7086653319 E. mail: bokajanmm01@gmail.com	HOD (E&I) CCI, Bokajan Cement Factory, Dist.: Karbi Anglong, Assam Mobile No.: 8287932783 E.mail: bkjelectrical@gmail.com
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2.	<p>(A) Part -A : Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness electronic opening of bid.</p> <p>(B) Part-B : Price bid will be opened electronically of only those bidder(s) who's Part-A Techno-Commercial Bid is found to be Techno-Commercially acceptable by CCI. Such bidder(s) will be intimated date of opening of Part-B Price bid, through valid email confirmed by them.</p>		

	<p>Note: The tenderers are advised to offer their lowest possible rates taking into account the prevailing market conditions. There would generally be no negotiations hence please submit your most competitive prices while submitting the price bid. However, if the rate is still considered high, action as per prevailing instruction/guideline shall be taken.</p>
3.	All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
4.	<p>In case of failure to access the payment towards non-refundable fees for any reason, the vendor, in term, will not have the access to on line e-tender and no correspondence in this respect will be entertained and CCI will not be responsible for any such lapses on this account. Bidder(s) are advised to make remittance of non-refundable fees through separate DD well in advance and verify completion of transaction in respect of non-refundable fees. Vendors are instructed to use Upload Documents link in My menu to upload documents in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 5 MB.</p> <p>Once documents are uploaded in the library, vendors can attach documents through Attach Document link against the particular tender. For further assistance please follow instructions of vendor guide.</p>
5.	All notices/corrigendum and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by CCI. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with Central Public Procurement Portal (i.e. Service Provider). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).
6.	The responsibility of downloading the related corrigenda, if any, will be that of the downloading parties.
7.	E-tender cannot be accessed after the due date and time mentioned in NIT.
8.	<p>Bidding in e-tender:</p> <p>a) It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.</p> <p>b) Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.</p> <p>c) No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.</p> <p>d) Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.</p>
9.	Any order resulting from this open e-tender shall be governed by the terms and conditions mentioned therein.
10.	No deviation to the technical and commercial terms & conditions are allowed.
11.	After submitting online bid, the bidder cannot access the tender, once it has been submitted with digital signature
12.	CCI has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
13.	The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website https://eprocure.gov.in/eprocure/app .
14.	The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.
15.	The bid will be evaluated based on the filled-in technical & commercial formats.

16.	The documents uploaded by bidder(s) will be scrutinized. In case any of the information furnished by the bidder is found to be false during scrutiny, punitive action including suspension and banning of business can also be taken against defaulting bidders.
17.	Bidders are requested to read the bidder manual kit in the sitemap of https://eprocure.gov.in/eprocure/app to familiarize themselves with the system before bidding.

HOD (E&I)

COVERING LETTER WHICH MUST BE SUBMITTED BY THE TENDERER DULY FILLED IN, SIGNED TO BE SUBMITTED ONLINE.

Ref.....

Date:

To
HOD (Electrical)
Cement Corporation of India
Ltd., Bokajan Cement Factory,
Bokajan-782490, Karbi Anglong.(Assam)

Sub: E-tenders are invited through Electronic tendering system from interested parties who can put up Ground mounted SPVs on RESCO model at CCI Bokajan (1MWp or above).

REF :- CCI/BKJ/ELECT/1MW/SOLAR/23-24

dated: _____

Dear Sir,

With reference to your tender for the above supply, I/We hereby submit my/our tender on-line in two Parts i.e.; Part-A Techno- commercial bid and Part-B Price-bid as per NIT and instructions in the tender documents.

Part-A: Techno-Commercial Bid:

The following documents duly filled in, signed digitally and stamped are up-loaded On-Line through <https://eprocure.gov.in/eprocure/app> of NIC.

1. The scanned copy of covering letter (Annexure : A-II)
2. **No EMD.**
3. Terms and conditions in Part I (Instructions to Tenderers), II (General Terms & Conditions), III (Special Terms & Conditions) & IV (Technical Specifications) duly signed digitally and stamped on each page in token of acceptance of the same in its entirety.
4. Certificate whether any officer of your Corporation is related to me/us or not (Annexure `3)
5. List of unexecuted orders in hand as per (Annexure `4')
6. Bidder's firm/company profile /Additional information to be furnished (Annexure 5)
7. Details of Plant & Machinery installed (Annexure 6).
8. Details of testing facilities installed (Annexure 7)
9. Details of orders executed, including CCI during last 3 years (Annexure 8)
10. Declaration letter of having read and understood the GTC (Annexure 9).
11. Scanned Copy of Integrity Pact (Annexure: 2)
12. GST Registration No.
13. Scanned copy of the PAN card in the name of company. (in case of proprietary firm it can be in the name of the proprietor).
14. In case of firm registered with MSME, Certificate from MSME (NSIC Certificate) clearly specifying the date of registration along with starting of manufacturing process and whether it is registered under ST/SC. The firms registered with MSME will also have to submit a copy of Udyog Aadhar Memorandum
15. The turnover for 2020-21 , 2021-22 and 22-23 as per the Audited Balance –sheet and Profit and Loss account.
16. Copy of Partnership Deed/Memorandum of Articles of Association by partnership firms/companies duly attested. In case of partnership deed, the same is registered/not registered.

- 17. Reference from the Bankers indicating financial status of the company.
- 18. Performance certificate-photocopies of order executed and also in hand, copy / copies and performance certificates issued for the jobs executed to consider the eligibility.
- 19. Shop Act / Partnership firm registration certificate / Incorporation Certificate
- 20. Self-Certification of No Barr/non-failure/blacklisted
- 21. Undertaking from Original Equipment Manufacturer mentioned in Test Report
- 22. The tenderers who have techno-commercially qualified in the last tender No.: CCI/BKJ/ELECT/1MW/SOLAR/23-24, dtd: 04.07.2023, not to require submission any documents further for qualifying fresh tender.**

Part-B: Price bid: submitted on-line as per “PRICE BID” format.

We/I hereby declare that We/I have not been debarred from tendering for contracts in any of the departments of Govt./Semi Govt./Public Sector Undertaking and Local Bodies.

We/I certify that the information given by us/me in the tender documents is correct and if at any stage the same is found to be incorrect, the contract will be liable to be terminated/rescinded and action may be taken against us/me by the Corporation for damages.

We are/I am duly authorized/empowered to sign all the tender documents.

- a) Name of the Tenderer.....
- b) Full Postal Address:
-
- c) Telegraphic Address/Telex/Fax.....
- d) Phone: Office.....Residence.....
- e) E-mail

Yours faithfully,

(SIGNATURE OF THE TENDERER WITH SEAL)

WITNESS (NAME & ADDRESS)

- 1.....-
-
- 2.....

ANNEXURE-III

SPECIAL TERMS AND CONDITIONS

E-tenders are invited through Electronic tendering system along with reverse auction from interested parties who can put up Ground mounted SPVs on RESCO model at CCI Bokajan (1MWp).

In addition to the General Terms and Conditions of tender under PART – I & II, the following terms and conditions will also apply to the contract. These special terms and conditions, if contradictory to any conditions given in PART – I & II, will prevail upon the conditions given therein. In addition to the above, the following will also apply.

1A. PRE-BID MEETING:

- a) Contractor/tenderer/bidder may visit the site and reconfirm the space availability based of their design.
- b) A pre-bid meeting open to all the prospective Bidder(s) will be held at the venue, date & time specified in NIT, wherein they shall be given an opportunity to obtain clarifications, if any, regarding the work and bid conditions.
- c) All Prospective vendors shall review the tender documents and attend the pre-bid meeting, along with their quarries, if any, against the terms and conditions of the tender along with their suggestions. Vendors can also upload/seek clarification through e-mail or letter from tendering authority before the last date fixed for raising queries. The queries raised shall be shared with every bidder attending the meeting and be part of the minutes. No clarification or observation will be entertained after the pre-bid meeting is over.
- d) The vendors shall attend the pre-bid meeting at their own cost, the tenderer shall be allowed to visit the site prior to the pre-bid meeting under the supervision of the site/project in-charge on prior intimation as per date mentioned in NIT.
- e) The pre-bid meeting shall be open meeting and one time only, the date of meeting shall be decided by the corporation. In case of any change in schedule of the meeting, the same shall be posted in website with one week notice. In case the tenderers fail to attend the meeting, their request for rescheduling and re-organizing the meeting shall not be entertained.
- f) Raising the observations or suggestions by the tenderers shall not give them the right to modify the terms and conditions unless it is agreed/approved by the corporation.
- g) The pre-meeting shall be attended by the committee of officials of the corporation as decided by the competent authority.
- h) No further commercial or other deviations will be entertained in the tender process after pre-bid meeting.
- i) In case there is no modification in terms and conditions, the queries raised by the vendors and clarifications given by CCI committee shall be uploaded against the above tender on CCI website. The original tender terms shall be applicable.
- j) Based on the pre-bid meeting, the terms/specification/design will be freeze accordingly, if required. In case there is modification in the tender which shall be uploaded as a corrigendum in the tender along with the queries of all vendors and replies of CCI.
- k) Those parties who have not attended the pre-bid meeting, can also participate in the tender. The tender terms will be applicable to all parties in uniform irrespective of attending the pre-bid meeting.

1B. ELIGIBILITY CRITERIA of the tenderer will be as under:-

1. Average annual financial turn over during last three years ending 31st March of previous financial year should be **Rs. 6 crore.**
2. The tenderer should have Implemented at least 02 nos. 0.5 MWp grid connected solar power projects either roof top or ground mounted during last 5 years ending last day of month previous to the one in which applications are invited. Accordingly tender shall submit copy of work order etc.
3. The tenderer should have Implemented at least 01 no. 0.8 MWp grid connected solar power projects either roof top or ground mounted during last 5 years ending last day of month previous to the one in which applications are invited. Accordingly tender shall submit copy of work order etc.

1.0 PRESENT SYSTEM:

Brief description of Plant:

Bokajan Cement Factory (BCF) is a unit of Cement Corporation of India Limited (CCI), (A Govt. of India Enterprise) is a integrated plant having double kiln plant using dry process technology of (2X300) TPD clinker. This plant was commissioned in 1977.

Bokajan is located near Dimapur (14 km) and is well connected by railway network and Air network. All the Rajdhani trains and Express trains have stoppage at Dimapur. The airport at Dimapur is nearest to Bokajan and is 18 km by road. Daily multiple flights to New Delhi and Kolkata are available.

CCI Bokajan is interested to put up grid connected ground mounted solar power plants (1MWp) at its premises having approximately 5-6 Acers at plant township.

CCI Bokajan will consume the power generated from SPVs in its plant at fixed tariff (mutually agreed) as per biddings (PPA).

The successful party shall build, operate & own the SPVs for a minimum period of 25 years & will hand over the same to CCI free of cost thereafter.

LOCATION AND APPROACH

District	Karbi Anglong , Assam
Nearest Highway	NH-37
Nearest Railway Stations	Bokajan 2 km , Dimapur 14 km
Nearest Commercial Airport	Dimapur 18 km

PROJECT CAPACITY

Name of the project	1 MWp Solar Power Project(s) in Bokajan District of Karbi Anglong
Project capacity	1 MWp Solar PV Project
Technology	Solar PV Technology with Crystalline Silicon cells.
Contract Demand	4.752 KVA
Latitude	26.01 Deg North
Longitude	93.45 Deg East
Elevation	-



2.0 SCOPE OF WORK:

CCI-Bokajan intends to select and appoint bidder through E-tendering through Electronic tendering system from interested parties who can put up Ground mounted SPV on RESCO model at CCI Bokajan. The brief Scope of Work shall be as mentioned hereinafter but not limited to the following:

- CCI Bokajan is interested to select and appoint bidder who can put up grid connected ground mounted solar power plant (1MWp) at its premises on RESCO model.
- CCI Bokajan will consume the power generated from SPV in its cement plant at fixed tariff as per mutually agreed terms & condition for duration of 25 years from the date of commercial operation of plant.
- The successful party shall build, operate & own the SPV for a period of 25 years & will hand over the same to CCI free of cost thereafter.
- Above space will be provided only for SPV plant no other activities will be allowed else this may results in termination of contract.
- Dedicated Land Jungle cutting & cleaning and any other expenditure should be in party scope.

3.0 GENERAL COVENANTS

3.1 POWER PRODUCER'S/ BIDDER COVENANT

The Power Producer/successful tenderer covenants and agrees to the following:

3.1.1. PROJECT AND O&M MANPOWER, SAFETY & SECURITY OF SYSTEM

- For O&M period contractor shall depute a diploma engineer with minimum experience of 5 year and ITI electrician to maintain the plant. Contractor should have the required license to work at the maximum voltage level and shall submit the same. Further an undertaking to be provided by the contractor for suitability of deputed manpower for working at 11 KV voltage level.
- Plant shall be maintained by successful bidder with his own resources including safety, security , insurance etc.
- Responsibilities of Developer/Bidder toward Protection of the environment, rules and regulations.
- Final approval of PPA shall be done only after approval of competent authority of CCI.
- Successful tenderer shall be provided free access to CCI officials to visit the proposed project site without interference.

- In tenderer intend to utilize existing boundary wall then repairing of the existing Boundary wall, any further height of the boundary, any barricade to be fitted for safety etc shall be in the scope of successful tenderer.
- Prior to starting and project related activity successful tenderer shall defined & ensure that the Entry/ Exit pathways of the Project personnel, to avoid the day to day intervention to premises.
- Successful tenderer shall ensure that a separate entry point /gate for vehicle movement as required during project & O&M phase.

3.1.2. PROJECT TIME SCHEDULE

1. Commissioning of the full capacity within 6 months from the date of award of contract.
2. 25-Year Inclusive Operation & Maintenance (O&M) of solar plant.
3. The contractor shall submit a detailed PERT/BAR chart or any other project progress monitoring tool in line with the proposed time schedule covering all activities with various key phases of supply and service obligations under the contract such as supply schedule and field erection activities within fifteen (15) days of the date of LOA.
4. The time of commissioning / acceptance shall be inclusive of time for mobilization, engineering, approval of the design & other materials and intervening monsoon, if any.

3.1.3. WORK SCHEDULE

1. Upon award of work, the Contractor shall provide detailed work schedule to the CCI officials covering all activities related to supply, installation, testing and commissioning falling under the scope of work in the kick-off meeting.
2. There would be a kick-off meeting with the contractor within 15 days from the date of LOA, where in the contractor would present the detailed action plan, work plan schedule, critical/long delivery item plan, etc. along with the weekly review schedule.
3. Detailed Timelines for work completion shall be discussed and finalized by Contractor after Award of Work.

3.1.4. Statutory Clearances & Governmental Approvals:

All Governmental Approval required to be obtained and maintained and secured by the Power Producer .The interconnection of the SPV solar system with the network of the distribution licensee shall be made as per the technical standards for connectivity of distributed generated resources regulation's as may be notified by the competent authority. The interconnection of the SPV solar system shall be as per the contracted load and / or respective voltage level applicable to the CCI as per the provisions of the guidelines issued by the competent authority.

The contractor has to obtain all the necessary Statutory clearances for completion of work outline within the scope of this Tender. All the necessary approvals and clearances to be taken from State DISCOM/ASEB/APDCL/SLDC/related agencies for the installation of 1 MWp captive Solar Power Plants will be in the scope of Contractor.

3.1.5. STATUTORY APPROVALS FOR WORKS

1. **Contractor shall obtain other all statutory approvals/ clearances, if and wherever required, from government departments but not limited to the following**
The clearances/ approvals in respect of installation, testing and commissioning of the complete electrical and associated system would be obtained by contractor on behalf of the CCI. CCI would fill up the required forms and applications under the advice of the contractor for clearance from / for:
 - a) State Power Utilities, ASEB, APDCL, SLDC, etc. and if required from State Renewable Energy Development Agency, if required.
 - b) Chief Electrical Inspectorate (CEI) and/or CEA Inspection, as required

- c) Permission for laying of power evacuation line
 - d) Permission for metering Code implementation
 - e) Permission of Protection system
 - f) Permission of construction of bay by local DISCOM as required.
 - g) Pollution control board of the state, if applicable
 - h) Forest department, environmental clearances and local bodies
 - i) Other applicable permissions/ clearances relevant for the offered site etc.) No objection Certificate from Energy department
2. The Contractor shall ensure facilitation of net-metering provision, as per the applicability, through necessary liaising and coordination with state regulatory authorities within the time schedule.
 3. The contractor shall at his own expense provide all amenities to his workmen as per applicable laws and rules.
 4. Repair/ replace any equipment/ part/ components/ systems in time in the event of failure/ breakdown which is not on account of natural calamity or of the force majeure events etc.
 5. Arranging CEA Inspection clearance/permission to connect, as required, shall be in contractor's scope. The Contractor shall be responsible for interconnection of Solar PV power plant with the State grid connection and net metering agreement, as per the applicability at his own cost.
 6. Arranging ASEB/Other designated Agency approval for design, SLDs and technical specification of equipment to be installed as part of net-metering arrangement.
 7. Capacity Registration with State Regulatory Agency, if required.
 8. For all the required clearances, liaising, documentation and processing to be done by the Contractor. Now fee// statutory charges reimbursement by CCI at any stage.
 9. Tentative list of approvals and clearances that may be required but not limited to:
 - a) Connectivity approval for net-metering, as per the applicability.
 - b) Project registration, if applicable
 - c) Metering Approval, if applicable
 - d) Meter testing, CT, PT testing and inspection certificate
 - e) Clearance from Chief Electrical Inspector, if required
 - f) Certificate of commissioning - Nodal Agency /Local Agency etc.
 10. Successful tenderer shall cover all expenditure incurred to obtain above clearances and no claim shall be reimburse or entertain by CCI.

3.1.6. POWER EVACUATION SYSTEM

It is envisaged that the Bidder shall terminate generated Power at Medium voltage bus of 11KV of CCI Main Substation (inside plant), depending upon the feasibility report and margin available at said substation. In case no margin is available at the said substation, bidder shall terminate the generated power on such feeder as per feasibility report and margin available, provided by HOD (Electrical). All hardware required for 11KV cable termination including support structure and civil works if required for the same shall be under scope of bidder. Supply and installation of Metering Panel along with control cable shall be in bidder's scope. Bidder shall designed suitable power evacuation system including design and construction of suitable transmission line/cabling infrastructure from power plant to delivery point at 11KV CCI main substation.

PURCHASE POWER AGREEMENT:-

Successful tenderer has to enter into a PPA agreement for a period of 25 Year, which includes terms and condition application during the period of 25 years. The term of the Agreement shall commence on the Effective Date and shall continue for twenty five (25) years from the Commercial Operations Date (the "Term"), unless and until terminated earlier pursuant to the provisions of the Agreement. After the Term, the ownership of the System shall be transferred to the Purchaser free of cost.

4.0 CCI's covenant

4.1. Temporary storage space during installation : CCI shall provide sufficient space free of cost at the Premises for the temporary storage and. staging of tools, materials and equipment and for the parking of construction crew vehicles and temporary Construction, trailers and facilities reasonably necessary during the Installation Work, System Operations and access for rigging and material handling.

4.1.1 CCI will provide land only for installation of Solar Power plant and in no case any lease for land demanded by tenderer will be applicable.

4.2 CCI shall provide quarter/accommodation separately (02 nos.) for worker & storage of materials in CCI Township subject to availability of quarters on chargeable basis and electricity charges on actual as per prevailing market rate as per meter reading.

4.3 Water – CCI at zero cost shall arrange Raw Water at a given point as per the requirements of the Power Producer, for periodic cleaning of the solar panels.

4.4 Auxiliary Power — CCI shall provide sufficient auxiliary power to the Power Producer for the maintenance and operation of its system, if available and possible, at the rate CCI is paying to the DISCOM & same shall be adjusted in running bills.

4.5 Delivery of Solar Power: - CCI agrees to purchase one hundred percent (100%) of the Solar Power generated by the System (**except for the case of FORCE MAJEURE Conditions as specified in Draft Purchase Power agreement clause no. 11**) and made available by the Power Producer to CCI at the Delivery Point during each relevant month of the Term.

4.5.1. Deemed Generation shall not be apply in case following conditions:

- a) In the event Power Producer is generating power more than the available load and the CCI is not liable for export of extra power generated & injected in to the grid.
- b) In the event of Power failure from grid due to any unforeseen reason/ASEB Planned shutdown etc, CCI will not be liable of loss of generation during that period and no compensation will be made.
- c) In the event of Pre intimated planned maintenance of CCI Bokajan, no deemed generation will be applicable & CCI will only pay for the units consumed during that period which may be less than the rated capacity of SPV.

4.5.2 Deemed Generation shall only be apply in case following conditions:

In the event that the CCI is unable to off take 100% of the electricity generated & delivered at the point of metering, due to breakdown in plant. CCI will pay the amount of un-utilized power on production of supporting data, which shall be mutually agreed by CCI & power producer.

5.0 Construction, Installation, Testing and Commissioning of the SPV solar Power System.

5.1 Installation Work

- a) The Power Producer will cause the Project to be designed, manufactured, supplied, engineered, erected, tested and commissioned, operated & maintained and constructed

substantially in accordance with NIT and the sanction letter /PPA signed with CCI Ltd. The Power Producer shall provide to the CCI –Bokajan a bill of materials listing the major equipment constituting the System. Such bill of materials shall be provided within 30 days of the Commercial Operation Date.

b) The Power Producer shall have access as reasonably permitted by the CCI- Bokajan to perform the Installation Work at the Premises in a manner that minimizes inconvenience to and interference with the use of the Premises to the extent commercially practical. It is agreed between the Parties that the Power Producer shall commission the System with a capacity of 1MWp or above. For any reason Power Producer cannot construct a System of smaller size after finalization of contract/PPA.

c) The Power Producer shall provide and lay the dedicated electrical cables for transmission of Solar Power from the System up to the Delivery Point. The Delivery Point shall be where the Main Metering System is located.

d) The Power Producer shall maintain general cleanliness of area around the Project during construction and operation period of the Project. In case any damages is caused to the equipment / facilities owned by the Purchaser due to the Power Producer, the same shall be made good rectified by the Power Producer at their cost.

e) In the event of disinvestment of CCI , the new owner at CCI Bokajan would necessarily sign PPA, thereby the obligation of the new owner under the PPA will be maintained. In case the new owner is willing to exist the PPA, Solar Power project at CCI Bokajan would essentially be transferred to the new owner at the predetermined value under the PPA.

f) The CCI Bokajan shall ensure that all arrangements and infrastructure for receiving Solar Power beyond the Delivery Point are ready on or prior to the Commercial Operation Date and is maintained in such state in accordance with applicable laws through the Term of the Agreement.

5.2.2 System Operations

1 The Power Producer as Owner and Operator The System will be legally and beneficially owned by the Power Producer and will be operated and maintained and, as necessary, repaired by the Power Producer at its sole cost and expense. Replacement of spare parts if any shall be responsibility of Power Producer for the complete period of Agreement i.e of 25years.

5.2.3 Metering

(a) The Power producer shall install the Main Metering System with due certification for the measurement of electrical energy produced by the System.

(b) The meter will be read by Power Producer's personnel on the Metering date. The authorized representative of the Purchaser shall be present at the time of meter reading. Both the Parties shall sign a joint meter reading report. However, in case the Joint meter reading report is not signed in the first three business days of any month due to non- availability of the Purchaser's authorized representative, the report signed by the Power Producer shall be considered as Joint Meter Reading Report. The Parties agree that such Joint meter reading Report shall be final and binding on the Parties.

(c) The Main Metering System at the Delivery Point and any additional meters required by Applicable Law shall be tested, maintained and owned by the Power Producer.

(d) The Power Producer shall connect the Solar output to the existing system of the Purchaser as per the requirements and guidelines of the state DISCOM

(e) The Purchaser may, at its own discretion, install a check meter, at its cost, to verify the measurements of the Main Metering System.

(f) The title to the Solar Power supplied by the Power Producer shall pass to the Purchaser at the Delivery Point.

(g) Power Producer shall be responsible for transformer etc. "if required" & metering as

perspective.

6.0 PAYMENT TERMS

Successful tenderer/ Power Producer shall submit a monthly Bill as (a "Solar Power Payment") for the Solar Power Consumed by CCI Bokajan as per the Joint Meter Reading Report for the System for the relevant month multiplied by the Tariff.

Power Producer of Solar Power shall be responsible for any unit that has been injected into the grid of the Distribution Utility and no claim of same shall be entertained by CCI Bokajan.

6.0 Mode of payment :- All payment is through e-payment.

7.0 Time of payment:- CCI shall pay all amounts due hereunder within 30 days after the date of the receipt of the invoice via email or post ("**Due Date**")

8.0 SOP FOR CARRYING OUT PERFORMANCE GUARANTEE TESTS:

8.1 Bidder shall declare minimum guaranteed generation for installed capacity of plant i.e. 1MWp = KWH per day (considered only sunny day).

8.2 The successful tenderer shall be required to give performance guarantee tests within 3 months from the date of successful commissioning & Deductions shall be made for the shortfall of performance.

8.3. PG test will be carried out for consecutively for 3 days (sunny days) and for confirming minimum guaranteed generation of solar power and in no case the actual generation of particular day shall not drop by 5% maximum of guaranteed units.

8.4. In case successful tenderer fail to meet criteria specified above, CCI will allow the party to rectify the issue with 15 days.

8.5. Again PG test will be carried out for confirming minimum guaranteed generation and during the PG test in case successful bidder fails to achieve the minimum guaranteed generation, deductions shall be made for the shortfall of annual units generated & will be deducted to Equivalent to units drawn from Grid at Prevailing tariff.

TECHNICAL SPECIFICATIONS

Technical Requirements for Grid Connected Solar PV Projects

A. Following documents shall be submitted by bidder/tenderer at the time of submission of technical bid.

1. Bidder shall submit technical details of equipment's & its scheme; including SLD, layout and complete distribution network up-to the point of delivery of generated power supply to CCI Bokajan and submit the details of annual power generated by SPV plant and its guaranteed efficiency.
2. Bidder shall be furnished details pertaining to duration of installation of SVP plant & Annual generation of power by system.
3. Bidder shall Provide details of technology/philosophy used .
4. Bidder shall be bind under the guideline issued for Ground mounted solarPlant issued by MNRE and these guidelines shall also be part of PPA agreement.

B. Following documents shall be submitted by bidder/tenderer at the time of submission after award of contract:-

5. Drawings/Documents/Manuals: - Two sets of Engineering, electrical drawings and Installation and O&M manuals are to be supplied. Bidders shall provide complete technical data sheets for each equipment giving details of the specifications along with make/makes in their bid along with basic design of the power plant and power evacuation, synchronization along with protection equipment.

Contract Drawings and Technical Specifications :- Within 30 (Thirty) days from the signing of contract the bidder shall submit the following documents:

- 1) Drawings of power plants and power distribution line
- 2) Technical specifications of the power plant and distribution network
- 3) Bill of material of the solar power project
- 4) Single line diagram of all power generation plants and distribution network approved by appropriate authority.
- 5) Front view and General Arrangement diagrams for panel(s).
- 6) Control and schematic drawings for control / protection, Lightning protection, drawings showing coverage of all equipment, structures, etc.

Before commissioning of the solar project the bidder/project developer shall submit following documents:

- 1) The technical documents and specifications of the equipment's submitted by the suppliers of power generation plant, catalogues for each type of equipment, relays, meters etc., installation and commissioning manuals for each equipment, relay etc.,
- 2) Operation manual of power plant
- 3) O & M manuals indicating trouble shooting procedure for all equipment
- 4) Type Test Certificates for all the major equipment
- 5) Details of Test results, for test conducted at works for all equipment
- 6) Details of Test results, for tests conducted at site for all equipment
- 7) Overall General Arrangement (GA) of all the panels/equipment
- 8) Spare part list, numbers and ordering procedure for all recommended spares
- 9) Static and dynamic loading of each equipment.

Site Visit Report Letter
(To be submitted on letterhead of bidder)

Annexure-V :

Date: _____

To,

HOD (Electrical)
Cement Corporation of
India Ltd., Bokajan Cement
Factory,
Bokajan-782480, Karbi Anglong Distt.(Assam)

Sub: E-tenders are invited through Electronic tendering system from interested parties who can put up Installation of 1MWp grid connected Solar PV Plants at Bokajan.

Ref: Tender No CCI/BKJ/ELECT/1MW/SOLAR/23-24, dated:

Sir,

This has reference to above referred tender, I / We hereby declare that we have visited site and enclosing the survey form duly signed by the representative of the consumer.

I / We made ourselves acquainted with site conditions, approach to site, requirement of land, soil conditions, availability of water, requirement of tender conditions etc. I / We verified all details required to execute the projects. I / We have no problems in undertaking the projects and complete them in the given time period as per required specification & terms and conditions of the tender.

Thanking you,

Yours faithfully,

(Signature of Bidder)

Name of Bidder

Designation.....

Seal:

Survey Form

Name of Beneficiary	
Address	
Latitude	
Longitude	
ASEB Consumer No	
Contract Demand	
Voltage level of connection	1ph, 230 V / 3 Ph , 440 V/11 kV/ 33 kV
Proposed Capacity of Solar Plant	1 MWp
Nature of Shadow free area	Ground mounted
Area available for solar installation in Sq. mtr	
Proposed area suitable for installation of solar plant	Yes / No
The proposed area falls under flood line	Yes / No
Is there requirement to increase structure height to avoid submergence of structure	Yes / No
Is there requirement to provide drainage system for flood water	Yes / No

Declaration: I / we have visited the proposed site for installation of solar plant. The site is found to be suitable for installation of solar plant of --- kW capacity.

Surveyed by:

Name and Sign of Bidder Organization:

Witnessed by Representative of ConsumerName and

Sign

PRICE BID

TENDER No: CCI/BKJ/ELECT/1MW/SOLAR/23-24/R

Category of the Project	Levelized Tariff (Basic Cost) for 25years (Rs/KWh)	
	(in fig.)	(in words)
1 MWp		

Note:

- **L1 will be decided on basic cost basis, if any Statutory Taxes applicable will be paid to the party on actual basis.**
- The levelized tariff shall be calculated up to two decimal places.
- In case of any deviation in figures & words, the details given in words shall be considered.
- All the taxes, statutory benefits shall be as per various acts / related provisions.

DECLARATION:

I hereby certify that the information furnished above is true and correct to the best of my/our knowledge. I understand that in case, any deviation is found in the above statement at any stage; I/We will be blacklisted and will not have any dealing with the Department in future.'

(Signature of Authorized Signatory with date and seal of the Company)

()

Signature

With company's stamp

Name:

Designation:

(Company Stamp).....

Date:-