

## Section –I

### **West Bengal Renewable Energy Development Agency**

(An organization of Department of Power and NES Government of West Bengal)

BIKALPA SHAKTI BHAVAN, Plot – J1/10, Block – EP & GP,

Sector – V, Salt Lake City, Kolkata – 700 091

**(Domestic Competitive Bidding)**

**NIeT No: WBREDA/NIeT-13/18-19**

**dated: 08-03-19**

## **DETAILED NOTICE INVITING TENDER**

### **1.1 Introduction :**

**West Bengal Renewable Energy Development Agency** herein after referred to as **WBREDA** invites e-tender (Submission of Bid through **online**) through **National Competitive Bidding** (NCB) from eligible bidders for following work:

#### **Name of the Work:**

Design & Engineering, Manufacture / Procurement, Supply, Installation, Testing and Commissioning of Ground Mounted Grid Connected Solar Photovoltaic Power Plant of nominal array capacity 07 MWp on turnkey basis including warrantee obligation with 05 (Five) years Comprehensive Operation and Maintenance at Durgapur, West Bengal

### **1.2 Brief Scope of the specific work**

The scope of work shall be on the basis of single source responsibility, completely covering all the equipment/material specified under the **Technical Specifications Section**.

The work is to be executed on turkey basis. The Purchaser will not supply any materials departmentally. The scope of work will include but not limited to the followings:

- a. Detailed site survey of the location ear-marked for the Power Plant for the purpose of detailed designing and engineering.
- b. Submission of detailed designing and engineering report for installation of the Power Plant with layout plan.
- c. Detailed design of the equipment/ materials and submission of BoM.
- d. After obtaining approval from the purchaser arrangement for inspection.
- e. Manufacturing including shop testing.
- f. Procurement, packaging, forwarding, transportation and insurance of equipment/ material from the manufacturer's works to the site.
- g. Receipt, storage, preservation, insurance and conservation of equipment/ material at the site.
- h. Site-grading, clearing of vegetation.

- i. Construction of foundation & PV module mounting structure
- j. Arrangement of construction power supply and water supply
- k. Construction with suitable design for installation of Inverter / Power Conditioning Unit and associated LT and HT switchgear, Central Monitoring and Control Station, SCADA, store, battery bank with all electrical fitting and furniture
- l. Fencing of SPV plant, security cabin etc. as per requirement
- m. Installation and commissioning of equipments as per approved technical design.
- n. All associated electrical and civil works essentially required for interfacing with grid (i.e. transformer(s), Circuit breaker(s), isolator(s), panel(s), protection, control and metering system(s), cables, equipment and system earthing, etc.
- o. Construction of power evacuation system up to the terminal point at 33 kV to be facilitated within the Power Plant Compound. **[33 kV Power Evacuation Line from the Solar PV Power Plant upto 33 kV substation of DPL will be arranged by WBREDA. However, the contractor shall arrange the outgoing bay with necessary equipments/ protection system and metering system for measuring Net Generation at the evacuation point of the power plant and others as required.]**
- p. Water sourcing and supply arrangement for cleaning and washing of PV array and for service of the Power Plant.
- q. Construction of internal roads & pathways, Boundary fencing and drainage system.
- r. SCADA system for remote monitoring and control of Power Plant with all hardware & software.
- s. Final check-up of equipment, installation and commissioning of power plant and putting the system into successful functional operation followed by reliability tests, performance and guarantee tests, wherever applicable and handing over the same to the Purchaser
- t. Insurance of all the equipments/ materials.
- u. Supply of spares and necessary tools and tackles as to fulfill warrantee obligation and also for trouble free operation of the Power Plant.
- v. Operation & maintenance of Power Plant including supply of consumables for a period of five years from the date of successful completion of trial run.
- w. Additional five years comprehensive operation & maintenance after successful completion of initial five (05) years comprehensive operation & maintenance

Detailed are available at the online e-tendering portal <https://wbtenders.gov.in>.

### **1.3 Locations of the Project**

Durgapur, District – Paschim Barddhaman, West Bengal

### **1.4 Validity of offer**

The bids submitted by the bidder shall remain valid for a minimum period of **180 days** from the date of the opening of Technical Bid (online). However, it may have to be extended in case of exigencies with due intimation to successful bidder(s).

## **1.5 Estimated Project Cost**

**Rs. 32,87,00,000.00 (Rupees thirty two crore eighty seven lac only) (Excluding GST).**

## **1.6 Cost of Tender Document (Tender Fee)**

Cost of Tender document is **Rs 5000.00 (Five Thousand only)**. The cost of tender document is non-refundable. The tender fee may be remitted through Bank Draft / Banker's cheque issued from any scheduled commercial bank of India in favour of the "WBREDA", payable at Kolkata.

## **1.7 Bid Security ( Earnest Money Deposit (EMD) )**

**The Bid Security / EMD is Rs 65,74,000.00 (Rupees sixty five lac seventy four thousand only).. Necessary Bid Security/ Earnest Money (EMD) shall be remitted through Bank Guarantee from any scheduled commercial bank in India. In case of Consortium bidder Bank Guarantee to be submitted on behalf of Lead Member of the consortium.**

The Bank detail of WBREDA is as follows:

<b>1.</b>	<b>Name of the Bank</b>	<b>Corporation Bank</b>
<b>2.</b>	<b>Branch</b>	<b>Salt Lake Sector-V Branch</b>
<b>3.</b>	<b>IFS Code</b>	<b>CORP0001045(CORP Zero Zero Zero one Zero four five</b>
<b>4.</b>	<b>Account No</b>	<b>510341000690357</b>

**GSTIN NO: 19AAABW0066E27K**

## **1.8 Other Details of Tender fees and Bid Security**

- 1. All bids must be supported by bid security (EMD) and cost of the tender document (Tender Fee).**
- 2. Scan copy of the Bank Draft / Banker's cheque as tender fees & Bank Guarantee as Earnest Money Deposit (EMD) shall have to be uploaded in statutory cover in the e-tender portal <http://wbtenders.gov.in>**
- 3. Original Bank Draft / Banker's cheque as tender fees & Bank Guarantee as Earnest Money shall have to Deposited (EMD) by the bidder physically to the Chief Engineer, WBREDA, Saltlake, Kolkata on or before the scheduled date & time as specified in the NIeT.**
- 4. The Bidders shall have to submit the bid security (EMD) and cost of the tender document (Tender Fee) of the requisite value mentioned in the tender.**
- 5. If any bidder fails to comply any of the points, the Bid shall be considered as non-responsive.**

## **1.9 Additional Performance Security (APS)**

(a) If **L1 bidder** has quoted bid rate 80% or less of the estimated cost put to the tender then additional Performance Security @10% of the tendered amount have to be submitted by the bidder in the form of Bank Guarantee from any scheduled bank within 7 working days from the date of issuance of Letter of Acceptance by the bidder.

If the bidder fails to submit the Additional Performance Security within schedule time, his EMD will be forfeited.

The Additional Performance Security shall remain valid up to Defect Liability Period of **one hundred twenty (120) calendar months**, with an additional claim period of ninety (90) days, failing which his bid security may be forfeited.

(b) The format of Additional Performance Security is as per **Annexure** under **Section VII**

## **1.10 Schedule of Dates for e-Tendering**

<b>SL. NO.</b>	<b>PARTICULARS</b>	<b>DATE &amp; TIME</b>
1.	Documents download start date (Online)	<b>18-03-2019 From 10.00 PM</b>
2.	Site Visit	<b>23-03-2019 from 11:00 AM to 3:00PM</b>
3.	Last date of uploading Pre-bid Query	<b>25-03-2019 upto 4.00 PM</b>
4.	Pre- bid Meeting	<b>26-03-2019 at 3.00 PM</b>
5.	Bid proposal submission start date (Online)	<b>29-03-2019 From 04.00 PM</b>
6.	Bid proposal Submission end date (Online)	<b>10-04-2019 up to 4.00 PM.</b>
7.	Last Date of submission of original copies of Tender Fees Bid Security(EMD) (offline submission)	<b>Within 16-04-2019 up to 5:00PM</b> <b>At WBREDA, Bikalapa Shakti Bhaban”, J1/10, EP/GP Block , Sector V , Saltlake Electronics Complex, Kolkata 700091</b>
8.	Bid opening date for Techno - Commercial proposal (Online)	<b>17-04-2019 at 3:00 PM</b>
9.	Date of Opening of financial bid	will be intimated later on

## **1.11 Place of Pre-bid meeting**

West Bengal Renewable Energy Development Agency (WBREDA)  
Bikalpa Shakti Bhavan, J1/10, EP&GP Block,  
Sector – V, Salt Lake Electronics Complex,  
Kolkata – 700 091

## **1.12 Completion time**

Completion period for the project is **365 (Three Hundred Sixty Five ) days** from the date of placement of LoA.

## **1.13 Qualifying Requirement for Bidders**

The Bidder must have to meet the following minimum qualification for the work

### **1.13.1 General Qualification**

- a) Bidder must meet the eligibility criteria independently as Bidding Company or as a Bidding Consortium.
  
- b) A Bidder shall not have a conflict of interest. Any Bidders found to be having a conflict of interest shall be disqualified. The bidder may be considered to have conflict of interest with one or more parties in this bidding process, if:
  - i. They have a controlling partner in common,
  - ii. They receive or have received any direct or indirect subsidy from any of them; or
  - iii. They have the same legal representative for purpose of this bid; or
  - iv. They have a relationship with each other, directly or through common third parties, that puts them in position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the WBREDA regarding this bidding process; or
  - v. A bidder submits more than one bid in the bidding process, either individually [including bid submitted as agent /authorized representative on behalf of one or more manufacturer(s) or through Licensee – Licensor route, wherever permitted as per the provision of Qualification requirement for Bidders] or as partner in a Bidding Consortium; or
  - vi. This results in disqualification of all such bids. However, this does not limit the participation of a Bidder as a sub-contractor in another Bid, or of a firm as a sub-contractor in more than one bid ; or
  - vii. A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the materials and services/works that are subject of the bid; or
  - viii. An individual Bidder cannot at the same time be a member of a Consortium applying for the bid. Further, a member of a particular Bidder Consortium cannot be member of any other Bidder Consortium applying for the same bid.
  
- c) If the Bidder is a **Bidding Consortium** then-
  - i. Only two member consortium will be allowed.
  - ii. Both of the members of Bidding Consortium must be registered in India
  - iii. Subject to the provisions of sub-clause (i) above, the Bid should contain the information required for each member of the Consortium;

- iv. Members of the Consortium shall nominate one member as the lead member (the “**Lead Member**”). The nomination(s) shall be supported by a Power of Attorney, as per the format **Form-5** given in this NlET, signed by both the members of the Consortium. The Lead Member shall incur liabilities and to receive instructions and payments for and on behalf of the Consortium. The Lead Member shall have main responsibility pertaining to execution of Project.
- v. The Lead Member shall be responsible for entire job. The Lead Member will fix the role and responsibility of each of the member of the consortium. At the time of acceptance of LoA, an agreement contains above should be there. Any deviation from the above said agreement till defect liability period will be treated as breach of contract and it may lead towards loss of eligibility of the bidder. It may results termination of contract on part of WBREDA.
- vi. Both the Consortium Members for any condition should fulfill the criteria as per NlET except exclusively required for Lead Member of the Consortium.
- vii. Lead Member shall be solely responsible for timely completion of the project in all respect.
- viii. The Lead Member of the Bidding Consortium after the award and signing of the Contract Agreement shall be obliged to continue to discharge their responsibility of the consortium for a period covering the entire project completion period including five (5) years of the comprehensive Maintenance period of the project. The Maintenance period shall be deemed to be effective from the date of commissioning of the power plant with Net meter
- ix. An individual Bidder cannot at the same time be a member of a Consortium applying for the bid. Further, a member of a particular Bidder Consortium cannot be member of any other Bidder Consortium applying for the same bid.
- x. No Change in the composition of the Consortium will be permitted by Bidders during the Selection Process and during the subsistence of the Contract (in case the successful Bidder is a consortium).
- xi. Members of the Consortium shall enter into an Agreement (herein after called as **Consortium Agreement**), for the purpose of submitting a Bid. The **Consortium Agreement**, to be submitted along with the Bid as per format **Form-4** of the NlET

**d)** Bidders and all the “**Members of Bidding Consortiums**” must have valid **GST Registration, PF Registration** and other statutory registration for execution of this project as per laws of the land.

**e) Bidders must have:**

- i) Tax Audit report , Audited Balance Sheet and Statement of Profit and Loss Account of Last three (3) consecutive financial year ending on **31<sup>st</sup> March 2018**
- ii) In case of Bidding Consortium **both the member** of the Consortium must have the Tax Audit report , Audited Balance Sheet and Statement of Profit and Loss Account of Last three (3) consecutive financial year ending on **31<sup>st</sup> March 2018**

### **1.13.2 Financial Capability**

The Bidder, who intends to participate in the Bid, must have to meet the following criteria:

- a. The bidder should have a Minimum Average Annual Turnover @ **30%** of the Estimated Project Cost during last 03 (three) consecutive financial year ending on 31<sup>st</sup> March 2018
- b. Bidder shall have the Liquid Asset<sup>1</sup> (L.A) and /or evidence of access to or availability of credit facility of equivalent amount not less than Rs. **5.0 Crore.**
- c. Net Worth<sup>2</sup> for the each of the **last three Financial Years** should be positive.
- d. For the purpose of this particular bid, bidder shall meet the following minimum commercial criteria in past 7 (seven) years ending last day of month previous to the one in which NlET are invited
  - i. Experience in single completed work of project execution in On-Grid Solar PV Power Projects sector or any other job anywhere in India costing not less than the amount equal to 80% of the estimated project cost.  
Or
  - ii. Experience in two completed work of project execution in each On-Grid Solar PV Power Projects sector or any other job anywhere in India costing not less than the amount equal to individually 50% of the estimated project cost.  
Or
  - iii. Experience in three completed work of project execution in each On-Grid Solar PV Power Projects sector or any other job anywhere in India costing not less than the amount equal to individually 40% of the estimated project cost.
- e. In case a bid is submitted by a Consortium, all the partners of the Consortium shall meet, individually, the qualification set forth at **Para 1.11.3 (c)** above and collectively the requirement of Para 1.11.3 (a) ,1.11.3 (b) and 1.11.3 (d) above. The figures for each of the partner of the consortium shall be added together to determine the bidder's compliance with the minimum qualifying criteria set out in Para 1.11.3 (a) ,1.11.3 (b) and 1.11.3 (d) above; however for a consortium to qualify, the partner(s) of consortium must meet the following minimum criteria:
  - i. Lead partner shall meet, not less than 50 % of the minimum criteria given at Para 1.11.3 (a) and 1.11.3 (b) above.  
And
  - ii. Other partner shall meet not less than 25% of the criteria given at Para 1.11.3 (a) and 1.11.3 (b) above.

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<sup>1</sup> “**Liquid Asset**” shall mean cash & bank balance and fixed deposits in the name of the bidder as certified by a Chartered Accountant with UDIN (Unit Document Identification Number)/ Chartered firm on the date not more than one month before the issuance of the tender.”

<sup>2</sup> “**Net worth**” means the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.

### **1.13.3 Technical Capability**

The bidder shall have the credential of satisfactory execution of contract (s) in planning, design and engineering, manufacture/ procurement, supply, installation, testing and commissioning with comprehensive operation and maintenance of at least 01 (one) no. 80% or 02 (two) nos. 50% or 03 nos. 40% of the Grid Connected Solar PV Project of capacity 07 MWp or higher capacity of similar project in each case anywhere in India during preceding 07(Seven) years ending last day of month previous to the one in which NIEt are invited.

- a) The Bidder should have the credential to render service in operating and maintaining at least of **1 (one) no. of 02 (two) MW Ground Mounted Solar PV Power Plant anywhere in India for consecutive two years within last seven years** from the ending last day of month previous to the one in which NIEt are invited.
  - b) Bids may also be submitted by consortium (having not more than two partners with one partner as lead partner) with requisite technical qualification of the Members of the consortium as mentioned below:
    - i. At least one of the partner(s) of the bidding consortium should fulfill the requirements set forth in Para 1.11.4 (a) and 1.11.4 (b) above.
- Or
- ii. All the partners of the bidding consortium should jointly meet qualification requirements set forth in Para 1.11.4 (a) and 1.11.4 (b) above.
  - c) Bidder shall submit certificate of successful completion and operation from the Owner. The certification by the bidder for his own Solar PV power plant shall not be acceptable.

### **1.14 Other Information**

**1.14.1** WBREDA reserves the right to accept or reject any bid partly or fully or cancel the bidding without assigning any reason thereof and in such case no bidder/ intending bidder shall have any claim arising out of such action.

**1.14.2** If the offer is submitted without or inadequate Earnest Money (Bid Security), the bid shall be considered as rejected. Incomplete offer will be liable for rejection.

**1.14.3** A prospective bidder requiring any clarification on bidding documents may notify the WBREDA by uploading the same in the e-tendering portal, which shall be available to all the participant bidders, as per Standard Format enclosed with this **document Form-6 and Form-7** not later than the date and time specified in NIEt. The soft copy of the same must be sent in spread sheet at the mail address : [cwbredagedcl@wb.gov.in](mailto:cwbredagedcl@wb.gov.in)

The WBREDA will issue clarification(s) as they may think fit after pre-bid meeting prior to the deadline/ extended deadline for submission of bids prescribed by the



WBREDA. Written copies of the WBREDA's response (including an explanation of the query but without identifying its source) will be uploaded in the e-tendering portal in the corrigendum folder which shall be available to all the participant bidders.

Any queries sent by the bidders after the date and time notified in NIEt or any extended date, if any, shall not be entertained.

**1.14.4** Any evidence of unfair Trade Practices including over charging, price fixing, cartel etc. as defined in various statutes, will automatically disqualify the bidders.

**1.14.5** if the dates of any offline activity (Pre-bid meeting, Last Date of submission of original copies of Tender Fees Earnest Money Deposit in original at the office etc) and opening of Technical Bid and Financial Bid fall on holidays or on days of strike or natural calamity, the dates get deferred to next working days at same hours without any further notice.

**1.14.6** The Tender Inviting Authority reserves the right to modify, amend or supplement the Tender Document. Any corrigendum, notification concerned to this tender will be published in the e- tender portal <https://wbtenders.gov.in> and it will be part & parcel of the tender. The bidders are therefore advised to follow the e-tender portal <https://wbtenders.gov.in> for such corrigendum, notification etc.

**1.14.7** Joint Venture for this work will not be considered as a bidder.

**1.14.8** Other information as well as terms and conditions, which are not covered in the NIEt, have been incorporated in **Instructions to Bidders (Section II)**, General Condition of Contract (**Section III**) **Special Conditions of Contract (Section IV)**, **Technical specification (Section-V)** of this e-tender.

### **1.15 Help desk communication**

You may contact with NIC help-desk for any assistance between **10:30** am to **5:30** pm in any working days (Monday to Friday). The contact details are as follows:

1. Sri. Bhaskar Rao : 9051172998
2. Md. Habbibulla Rahaman : 9874961136

### **1.16 Address for communication**

The Chief Engineer

West Bengal Renewable Energy Development Agency

Bikalpa Shakti Bhavan, J1/10, EP&GP Block, Sector – V, Salt Lake, Kolkata – 700 091

Website : [www.wbreda.org](http://www.wbreda.org)

Contact No. +913323575038 / +913323575037

Fax No. : +913323576569

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Sd/-  
Chief Engineer  
WBREDA