

# **WEST BENGAL RENEWABLE ENERGY DEVELOPMENT AGENCY**

## **TenderDocument**

**For**

**Design & Engineering, Manufacture / Procurement, Testing, Supply,  
Installation and Commissioning of Rooftop Grid Connected Solar PV Power  
Plants of Cumulative array capacity 350 kWp including five (5) years  
Comprehensive Maintenance on turnkey Basis at four (04) Universities in West  
Bengal**

**NIeT No: WBGEDCL/WBREDA/NIeT -03 /16-17**

**Dated : 29/06/2016**



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

These documents are meant for the exclusive purpose of bidding against this NIeT and shall not be transferred, reproduced or otherwise used for purposes other than that for which they are specifically issued.

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## **Section I - NOTICE INVITING TENDER**

**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

**ABRIDGED NOTICE INVITING e-TENDER**

**NIeT No: WBGEDCL/WBREDA/NIeT- 03 /16-17**

**dated: 29-06-16**

WBREDA invites e-tender for “Design & Engineering, Manufacture / Procurement, Testing, Supply, Installation and Commissioning of Rooftop Grid Connected Solar PV Power Plants of Cumulative array capacity 350 kWp including five (5) years Comprehensive Maintenance on turnkey Basis at four (04) Universities in West Bengal” Detailed NIeT may be seen & downloaded from WBREDA website ([www.wbreda.org](http://www.wbreda.org)).

Interested bidders may obtain bidding documents by registering themselves to the e-tendering portal (<https://wbtenders.gov.in>) and thereby downloading the bidding documents from **10.00 AM** on **30-06-16** and the offer shall be submitted online up to **4.00 PM** on **23-07-16**

Sd/-

Chief Engineer  
WBREDA

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)**

## **DETAILED NOTICE INVITING TENDER**

**For**

Design & Engineering, Manufacture / Procurement, Testing, Supply, Installation and Commissioning of Rooftop Grid Connected Solar PV Power Plants of Cumulative array capacity 350 kWp including five (5) years Comprehensive Maintenance on turnkey Basis at four (04) Universities in West Bengal

**NIeT No: WBGEDCL /WBREDA /NIeT-03 /16-17 DTD: 29-06-16**

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

**Name of the Work :**

“Design & Engineering, Manufacture / Procurement, Testing, Supply, Installation and Commissioning of Rooftop Grid Connected Solar PV Power Plants of Cumulative array capacity 350 kWp including five (5) years Comprehensive Maintenance on turnkey Basis at four (04) Universities in West Bengal”

**2.0 SCOPE OF WORK :** The work covered under this Tender shall be included but not limited to the following:-

**A) SUPPLY:**

**The scope includes the following but not limited to:**

Manufacture / Procurement, Supply and delivery of all the materials like PV Module, Module Mounting Structure, Grid Connected Inverters, Array Junction Boxes, Inverter LT Panel, Grid Interfacing LT Panel , Web based monitoring systems Weather Monitoring Systems, Cables, System protection and other accessories conforming to the Technical Specification as required for successful Installations commissioning Rooftop Grid Connected Solar PV Power Plants of Cumulative array capacity 350 kWp at four (04) Universities in West Bengal on Turnkey Basis.

**B) ERECTION:-**

**The scope includes the following but not limited to:**

Design & Engineering, Testing, Installation and Commissioning of Rooftop Grid Connected Solar PV Power Plants of Cumulative array capacity 350 kWp including five (5) years Comprehensive Maintenance on turnkey Basis at four (04) Universities in West Bengal.

**3.0** Detailed Specification, scope of supply and terms and conditions of supply are given in the bidding documents, which are available at the online e-tendering portal <https://wbtenders.gov.in>

**4.0 Name of the Beneficiary organization and address**

Sl no	Name of the Beneficiary/ Site	Address
01	Burdwan University	Rajbati, Burdwan Pin-713104
02	Gour Banga University	PO: Mokdumpur, District: Malda, Pin: 732103
03	Vidyasagar University	PO. Vidyasagar University, Midnapore, District: Paschim Midnapore, Pin-721102
04	Jadavpur University	Jadavpur, Kokata-700032

**5.0 Locations of Installation :**

At the roof top of the four Universities in West Bengal as follows:

Sl No	Name of the University	Nominal PV Array Capacity
<b>A</b>	<b>Burdwan University</b>	
A.1	Composite Arts Building	50 kWp
A.2	Humanity Building	50 kWp
	Total -A	100 kWp
<b>B</b>	<b>Gour Banga University</b>	
B.1	Arts Building	50 kWp
B.2	Science Building	50 kWp
	Total-B	100 kWp
<b>C.</b>	<b>Vidyasagar university</b>	
C.1	Humanity Building	100 kWp (2X50 kWp)
	Total-C	100 kWp
<b>D.</b>	<b>Jadavpur University</b>	
D.1	Civil Building	20 kWp
D.2	Mechanical Engineering Building	30 kWp
	Total -D	50 kWp
	Grand Total A+B+C+D	350 kWp

**6.0 Estimated Cost of the Project: Rs. 2,45, 00,000.00 ( Rupees two crore forty five lac) only**

**7.0 Cost of Tender Document (Tender Fee):**

Cost of Tender document is **Rs 5000.00 (Five Thousand)**. 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

**8.0 Bid Security ( Earnest Money Deposit (EMD) ) :**

**The Bid Security / EMD is Rs. 4,90,000.00 (Rupees four lac ninety thousand ) only.** Necessary Earnest Money (EMD) may be remitted through Bank Draft / Banker's cheque

issued from any scheduled commercial bank India in favour of the “WBREDA”, payable at Kolkata or **Bank Guarantee from any scheduled commercial bank of India**

**9.0 Schedule of Dates for e-Tendering:**

SL. NO.	PARTICULARS	DATE & TIME
1.	Date of uploading of N.I.T. Documents (Online)	<b>29-06-16</b>
2.	Documents download start date (Online)	<b>30-06-16 From 10.00 PM</b>
3.	Last date of uploading Pre-bid Query	<b>07-07-16 upto 3.00 PM</b>
4.	Pre- bid Meeting	<b>08-07-16 at 3.00 PM</b>
5.	Bid proposal submission start date (Online)	<b>13-07-16 From 10.00 AM</b>
6.	Bid proposal Submission end date (Online)	<b>23-07-16 up to 4.00 PM.</b>
7.	Last Date of submission of original copies of Tender Fees Earnest Money Deposit (offline submission)	<b>Within 25-07-16 up to 4:00PM At WBREDA, Bikalapa Shakti Bhaban”, J1/10, EP/GP Block , Sector V , Saltlake , Kolkata 700091</b>
8.	Bid opening date for Technical proposal (Online)	<b>26-07-16 at 12.00 Noon</b>
9.	Date of Opening of financial bid	Intimated later

**10.0** In the event of e-filling, intending bidder may download the tender documents from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Necessary cost of tender documents (tender fees) amounting to **Rs. 5,000/- (Rupees five thousand) only** 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 and a scanned copy of the same to be uploaded. Necessary Earnest Money (EMD) 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 or Bank Guarantee from any scheduled commercial bank of India and also to be documented through e-filling. The original Bank Draft / Banker’s cheque against tender fees and the original Bank Draft / Banker’s cheque / Bank Guarantee against Earnest Money Deposit (EMD) (As statutory documents) should be submitted physically (Offline) to to the Chief Engineer , WBREDA , Salt lake , Kolkata on or before the scheduled date & time as specified in the NIT.

**11.0 All bids must be supported by bid security (EMD) for an amount Rs. 4,90,000.00 (Rupees four lac ninety thousand ) only in the** form of Demand Draft /Banker’s cheque drawn in favour of “WBREDA” from any scheduled commercial bank of India, payable at Kolkata, or a Bank Guarantee from any scheduled commercial bank favouring WBREDA which shall remain valid for a period of **one hundred eighty (180) days from the next day of techno-commercial bid opening date with a further claim period of ninety (90) days.** Bid shall be rejected by the **WBREDA** if the bidder fails to submit original Bank Draft / Banker’s cheque against tender fees & original Bank Draft / Banker’s cheque/Bank Guarantee against Earnest Money Deposit (EMD) physically to the Chief Engineer, WBREDA, Saltlake, Kolkata on or before the scheduled date & time as specified above.

**12.0 Qualifying Requirement For Bidders:**

The Bidder must have to meet the following conditions for participation of bidding:

## 12.1 General :

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

- i) The Bidder shall be a Registered Company/Firm/Corporation incorporated in India under the Companies Act, 1956 or 2013 /Indian Partnership Act 1932/ LLP Act 2008 including any amendment thereto.
- ii) Bidders shall have submit the:
  - a) Audited Balance Sheet and Statement of Profit and Loss Account for Company and Tax Audit report for Partnership firms and LLP for the financial years 12-13, 13-14, 14-15
  - b) If the bidder was set up in less than 3 years period in such cases the bidder shall have to comply with the same for the balance period from the inception (it may be either one year or two years)
- iii) The bidder shall have valid CST/VAT/TIN, Service Tax, PF Registration. Registration document (s) to be provided by the bidder where it is presently operational/Company or Firm is registered
- iv) Bidder must be the Channel partner of MNRE Government of India under “**Grid Connected Rooftop and Small Solar Power Plants Programme**”.

## 12.2 Financial Capability:

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

- i. Minimum Average Annual Turnover (MAAT) of the Bidder for last 3 (three) financial years shall at least **Rs. 75,00,000.00 (Rupees seventy five lac) only.**
- ii. Net worth at the last financial year shall be positive.

## 12.3 Technical Capability

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

The Bidder shall have experience in Supply, Installation & Commissioning of ground mounted and/or rooftop Solar PV Power plants at any Institution /organization /SNA /PSU/ Government Organization having cumulative capacity of not less than **210 kWp** which should have been commissioned as on the date of issuance of NIEt. The minimum capacity of each Power plant must be **10 kWp**

## 13.0 Completion time :

Time for Completion of the total Works shall be **150 (one hundred fifty) days** from the date of LOA.

- 14.0 Validity of offer: Validity of the offer 180 days from the date of opening of the financial bid. However, it may be extended in case of exigencies with consent from the successful bidder(s).

- 15.0** WBREDA is not bound to accept the lowest tender. 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.
- 16.0** If the offer is submitted without or inadequate Earnest Money (Bid Security), the bid will not be opened. Incomplete offer will be liable for rejection.
- 17.0** 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 8**, and **Form 9** not later than the date and time specified in NIEt. The soft copy of the same must be sent in Excel format at the mail address : **cewbredagedcl@gmail.com**
- 18.0** Any evidence of unfair Trade Practices including over charging, price fixing, cartel etc. as defined in various statutes, will automatically disqualify the bidders.
- 19.0** 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.
- 20.0** 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.
- 21.0** **Technical Specification** : All the Technical Specifications are as per the Technical Specification of this NIEt (**Section VI**)
- 22.0** Consortium or Joint Venture for this work will not be considered.
- 23.0** Other information as well as terms and conditions, which do not covered in the NIEt, have been incorporated in **Instructions to Bidders (Section II)**, General Condition of Contract (**Section III**) and **Special Conditions of Contract (Section IV)**, **Technical specification (Section-VI)**, of this tender.
- 24.0** **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. : +913323576668  
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Sd/-  
Chief Engineer  
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