

NIT No: WBSEDCL/SPGD/2 X 10MW SPVPP/Gangapur-Ph I & II /
2024-25/NIT 58 Date: 10.12.2024

TENDER DOCUMENT

For

Design & Engineering, Manufacture / Procurement, Supply, Installation, Testing and Commissioning including warrantee obligation with 05 (Five) years Comprehensive Operation and Maintenance of two numbers 10 MW (AC) with installing DC capacity of 12 MWP ground mounted solar PV plant each at Gangapur-I & Gangapur-II under Rajnagar Block of Birbhum, District in the state of West Bengal



WEST BENGAL STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED
(A Govt. of West Bengal Enterprise)
Data Centre Complex, Admin Building, 3rd Floor,
AF Block, Action Area-I, New Town, West Bengal,
Kolkata-700163


Chief Engineer
Solar Power Generation Department
WBSEDCL

TABLE OF CONTENTS

Sl.No.	Item Description	Page No.
1	Bid Details	1-2
2	Project Details	3
3	Notice Inviting e-Tender	4-8
4	Instruction to the Bidders	9-27
5	General Conditions of Contract	28-48
6	Special Conditions of Contract	49-57
7	Technical Specification :Civil	58-66
8	Drawing of Boundary Wall - no fill	67
9	Drawing of Boundary Wall - 2.7 m fill	68
10	Technical Specification:Electrical	69-140
11	Pro-forma	141-180
12	Maps of the Proposed Sites	181-182
13	List of Spares	183-184
14	Tools	185


Chief Engineer
Solar Power Generation Department
WBSEDCL


BID DETAILS

Sl. No.	ITEM	DETAILS
1	NieT No.	NieT No: WBSEDCL/SPGD/2 X 10MW SPVPP/Gangapur-Ph I & II /2024-25/NIT 58 Date: 10.12.2024
2	Name of work	Design & Engineering, Manufacture / Procurement, Supply, Installation, Testing and Commissioning including warrantee obligation with 05 (Five) years Comprehensive Operation and Maintenance of two numbers 10 MW (AC) with installing DC capacity of 12 MWP ground mounted solar PV plant each at Gangapur-I & Gangapur-II under Rajnagar Block of Birbhum, District in the state of West Bengal
3	Tender Fee	NIL
4	Estimated Cost of the work (Cost excluding of GST)	Package-1(Gangapur-Phase I) : Rs. 43,33,52,160 /-
		Package-2(Gangapur-Phase II) : Rs. 43,33,52,160 /-
5	Earnest Money	Package-1 (Gangapur-Phase I) : Rs. 86,67,000 /-
		Package-2 (Gangapur-Phase II) : Rs. 86,67,000 /-
6	Validity of Earnest Money (in case of Bank Guarantee)	06 (six) months from the date of opening of Technical Bid and with a claim period of another 03 (three) months.
7	Date of publishing of NieT Documents (Online)	16.12.2024
8	Document download start date(Online)	16.12.2024

Page|1


Chief Engineer
Solar Power Generation Department
WBSEDCL

9	Last Date of submission of queries, if any, for the pre-bid meeting (Only through email)	20.12.2024, 11:00 hrs
10	Pre Bid Meeting (Date & Venue)	20.12.2024 at 14:00 hrs Office of the Chief Engineer, Solar Power Generation Department (SPGD) 3rdFloor,DataCentreComplex,StreetNo.41, Action Area-I, New Town, Kolkata-700163
11	Bid proposal submission start date (Online)	24.12.2024
13	Last date & time for submission of bid (Online)	10.01.2025
14	Last Date & Place of physical submission of EMD	13.01.2025 up to 16:00hrs. Solar Power Generation Department (SPGD), 3rdFloor,DataCentreComplex,StreetNo.41,A ctionArea-I,NewTown,Kolkata-700163
15	Date and time of opening of Technical Bid / Part –A (online)	14.01.2025 ,16:00hrs
16	Date and time of opening of Price Bid / Part-B	To be notified later.
17	Time of completion of work	365 (Three Hundred Sixty Five) days
18	Validity of offer	180 (One Hundred and Eighty) days from the date of opening of Technical Bid.


 Chief Engineer
 Solar Power Generation Department
 WBSEDCL

PROJECT DETAILS

Package No.	ITEM	DETAILS
Details of Solar PV Plant Sites		
1 Gangapur Phase-I	Capacity of the Power Plant	10 MW (AC)/ Min. 12 MWp DC
	Location	Mouza-Gangapur,Block-Rajnagar
	J.L.No. & Plot No.	J.L.No. 13 and Plot No. 218, 259 & 286
	District	Birbhum
	State	West Bengal
	Site Latitude	24.00° N
	Site longitude	87.31°E
	Nearest Railway Station	Suri Railway Station. Distance between Railway station and project site is 30 KM.
2 Gangapur Phase-II	Capacity of the Power Plant	10 MW (AC)/ Min. 12 MWp DC
	Location	Mouza-Gangapur,Block-Rajnagar
	J.L.No.&PlotNo.	J.L.No.13 and Plot No. 1173 & 1298
	District	Birbhum
	State	West Bengal
	Site Latitude	24.00° N
	Site longitude	87.31°E
	Nearest Railway Station	Suri Railway Station. Distance between Railway station and project site is 30 KM


Chief Engineer
Solar Power Generation Department
WBSEDCL



West Bengal State Electricity Distribution Company Limited

(A Government of West Bengal

Enterprise)CIN :

U40109WB2007SGC113473

Solar Power Generation Department

3rd Floor, Data Centre Complex, Street No. 41, Action

Area-I, New Town, Kolkata - 700 163

Website: www.wbsedcl.in, e-mail: cesolar@wbsedcl.in

NIT No: WBSEDCL/SPGD/ 2 X 10 MW SPVPP/ Gangapur Ph I & II / 2024-25/ NIT-58 Date- 10.12.2024

NOTICE INVITING e-TENDER

West Bengal State Electricity Distribution Company Limited (WBSEDCL) intends to develop two nos. Grid Connected Ground Mounted Solar PV Power Plant of 10 MW (AC) [Minimum 12 MWp (DC)] capacity each at Gangapur-I and Gangapur-II respectively under Rajnagar Block in Birbhum District of West Bengal. In this connection, the Chief Engineer, Solar Power Generation Department (SPGD), WBSEDCL invites e-tender in two parts for the work of "**Design & Engineering, Manufacture / Procurement, Supply, Installation, Testing and Commissioning including warrantee obligation with 05 (Five) years Comprehensive Operation and Maintenance of two numbers 10 MW (AC) with installing DC capacity of 12 MWP ground mounted solar PV plant each at Gangapur-I & Gangapur-II under Rajnagar Block of Birbhum, District in the state of West Bengal**" (on EPC mode) from bona-fide, resourceful and technically eligible developers having experience in execution of similar nature of work as per eligibility criteria as mentioned below in the form of technical and financial proposals containing as mentioned in the tender document.

The details of Tender Packages and estimated cost: -

Package Number	Name of the plant	Total estimated value (INR) (Excluding of GST)
1	Gangapur-I	43,33,52,160 /-
2	Gangapur-II	43,33,52,160 /-

Schedule of Dates for e-Tendering:

Sl. No.	Activity	Date & Time
1	Publishing Date	16.12.2024
2	Document Download startdate	16.12.2024


Chief Engineer
Solar Power Generation Department
WBSEDCL

3	Site visit by prospective bidders before submitting bid (Mandatory) and last date of submission of queries if any for pre-bid meeting (only through email) within	18.12.2024
4	Date of Pre-bid Meeting	20.12.2024 at 14:00 hrs
5	Start date of Bid submission (online)	24.12.2024
6	End date of Bid submission (online)	10.01.2025
7	Last Date of physical submission of EMD and Bids	13.01.2025, 11: hrs to 16:00hrs.
8	Technical Bid opening date	14.01.2025, 16:00hrs
9	Financial Bid opening date	To be notified after evaluation of Technical Bids

Terms & Conditions of the Tender Notice:

1. Registration of Bidder: Intending eligible bidders desirous of participating in the tender will have to be enrolled and registered with the Government e-Procurement System and may like to log on to the website <https://wbtennders.gov.in> for the above tender.

2. Digital Signature Certificate (DSC): Bidders willing to take part in the process of e-tendering are required to obtain Class 2 or Class 3 Digital Signature Certificate (DSC) in the name of person who will sign the tender, from any authorized Certifying Authority (CA) under the Controller of Certification Agencies (CCA), Govt of India. The bidders are required to register the fact of possessing the Digital Signature Certificates through the Registration System available in the website. Tenders shall be submitted online and intending bidders should download the tender documents from the website stated above, directly with the help of the DSC. This is the only mode of collection of tender documents. Details of submission procedure are given in "Instructions to Bidders (ITB)".

3. Tender Fee: Not Required.

4. Earnest Money Deposit:

An Earnest money for bidding shall have to be submitted as per following:

1. Package-1 (Gangapur - I): Rs. 86,67,000 /- (Rupees Eighty Six lakh Sixty Seven Thousand only)
2. Package-2 (Gangapur - II): Rs. 86,67,000 /- (Rupees Eighty Six lakh Sixty Seven Thousand only)

pg. 5


Chief Engineer
Solar Power Generation Department
WBSEDCL

For payment of EMD following payment options are available through online mode:

- i. Net-banking through Payment Gateway
- ii. RTGS/NEFT payment: On selection of RTGS/NEFT as the payment mode, the e-Procurement portal will show a pre-filled challan having the details to process RTGS/NEFT transaction. The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his bank account. Once the payment is made, the bidder will come back to the e-Procurement portal to continue the bidding process after expiry of a reasonable time to enable the RTGS/NEFT process to be completed.
- iii. Submission of EMD through BG: For submission of EMD in the form of BG, bidders will have to opt for EMD Exemption in e-tender portal and upload scanned copy of BG in the EMD exemption document upload section. Physical copy of BG shall be submitted at the office of tender inviting authority as per respective clauses of NIT.

EMD amount can be paid either in online mode or submitted through Bank Guarantee (BG) in full. Partial payment through online mode and remaining submission through BG is not allowed.

General Instructions for Online Payment:

- The bidder will have to mandatorily pay through Net-banking facility once Net-banking mode is opted for payment.
- Status of NEFT/RTGS payment through Challan for a bid may take time for bank settlement which is updated in 24 Hrs. (approx.). As such bidders opting to pay through NEFT/RTGS mode shall make payment well before 24 Hrs, to avoid any complicity.
- The bank account used for payment of EMD by the bidders shall be maintained operative until the completion of tendering process. All refunds will be made mandatorily to the Bank A/c from which the payment of EMD has been initiated.

Refund/Settlement of EMD Amount:

- For unsuccessful bidders, EMD amount submitted against the tender shall be refunded automatically, through an automated process, by NIC portal on receipt of updated status of any bid.
- For successful bidders, EMD will be refunded from WBSEDCL authority after completion of tendering process and following due procedures.

pg. 6


Chief Engineer
Solar Power Generation Department
WBSEDCL

- The bank account used for payment of EMD by the bidders shall be maintained operative until the completion of tendering process. All refunds will be made mandatorily to the Bank A/c from which the payment of EMD has been initiated.

For any queries related to payments and refunds, bidders will have to communicate with ICICI Customer Support, viz, 033-40267512/13 since payment gateway facility used by E-tender portal is maintained by ICICI.

Successful bidder(s) shall have to mandatorily create vendor id through WBSEDCL Web Portal Vendor Corner, if not created earlier.

No interest shall be claimable on Earnest Money Deposit.

5. The Earnest Money as per clause no. 17 of ITB shall be submitted through online payment mode as described above or in the form of Bank Guarantee (BG) on any Scheduled Bank as per Annexed Pro-forma 6 & 13 initially valid for 06 (six) months from the bid submission start date with a claim period of another 03 (three) months and subject to further extension, if required. The bidder shall not claim any interest on Earnest Money Deposit. Earnest Money in any other form or amount will not be accepted. EMD shall have to be submitted as stipulated in ITB. If the offer is submitted without or inadequate Earnest Money, the bid will not be opened. Incomplete offer will be liable for rejection and Tender Fee Deposits will be forfeited.
6. **Bid Validity:** The Tender and Offer shall remain valid for a minimum period of 180 days from the date of opening of the Technical Bid. However, WBSEDCL, on the merit of the case, may request extension of validity of the offer for a further suitable period without any change in terms & conditions of the original offer.
7. All other information as well as terms and conditions, which are not covered above, will be available in Instructions to Bidders, General Conditions of Contract, Special Conditions of Contract, Technical Specification and specimen Proforma of this tender.
8. The bidder or their duly authorized representative should attend the Pre-bid Meeting at the stipulated date and time as mentioned in the Key date's schedule.
9. WBSEDCL is not bound to accept the lowest tender and reserves the right to cancel any or all the tenders unilaterally without assigning any reason what-so-ever. The decision of the Tender Inviting Authority will be final and binding on all

pg. 7


Chief Engineer
 Solar Power Generation Department
 WBSEDCL

concerned and no challenge against such decision will be entertained. In any circumstance, cost of the bidding will not be reimbursed/ returned by the Tender Inviting Authority.

10. Disqualification of Bidders: Any evidence of unfair Trade Practices including over charging, price fixing, cartelization etc. as defined in various statutes, will automatically disqualify the bidders.

11. Amendment of the Bid Documents: 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 treated as part and parcel of the tender. The bidders are, therefore, advised to follow the website for such corrigendum, notification etc.

12. All the important correspondence must be done through declared authorized email id with original scanned copy of documents/letter in company's letter head/pad. However hard copies should reach our office through post/ by hand from your end.

13. Any further information related to this tender may be had from the following office:

Office of the Chief Engineer

Solar Power Generation Department,

West Bengal State Electricity Distribution Company Limited (WBSEDCL)

3rd Floor, Data Centre Complex, Street No. 41, Action Area-I, New Town, Kolkata - 700 163.

Website : www.wbsedcl.in

Contact Tel. Nos. : +91 9230961803/9230961808

Email id : cesolar@wbsedcl.in


Chief Engineer
Solar Power Generation Department
WBSEDCL