WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

Tender Document For Sub-Station and Transmission Line

[PACKAGE-C8]

NIT No.

Section I – V,VIIA,VIIB

Notice Inviting Tender (NIT)
Instruction to Bidders (ITB)
Bid Data Sheet (BDS)
General Conditions of Contract (GCC)
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Bid Forms
Annexures

WBSETCL

CHIEF ENGINEER (PROCUREMENT)
WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
VIDYUT BHAVAN
10TH. Floor, 'B' BLOCK
SALT LAKECITY, KOLKATA – 700 091

These documents are meant for the exclusive purpose of bidding against this NIT 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 State Electricity Transmission Company Limited

(A Govt. of West Bengal Enterprise)

Office of the Chief Engineer (Procurement)

CIN: U40101WB2007SGC113474

ABRIDGED NOTICE INVITING e-TENDER

For

Sub-Station and Transmission Line Package-C8

[Domestic Competitive Bidding]

NIT No: CE(P)/WBSETCL/Composite Pkg–C8/24-25/16 DT: 06.01.2025.

WBSETCL invites e-tender from bonafide, eligible bidders having experience in doing similar nature of work for construction of:-

	Description of Work	**Completion Period**
PROJECT-1	Construction of 220/132/33 KV GIS substation at Nandanpur, District –Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C Transmission Line from under construction M/C line from **BAPL 400 KV substation** to Jamuria 220 KV **substation up to proposed Nandanpur 220 KV substation** for 220 KV D/C connectivity between BAPL 400 KV and Nandanpur substation (D/C Route Length = 22 km) as detailed in the BOQ.	
PROJECT-2	Upgradation of existing **Barjora** 132 KV substation to 220 KV GIS substation, District - Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C from DPL Unit 8 to Barjora 220 KV GIS substation (Route Length = 19 KM) as detailed in the BOQ.	
PROJECT-3	Construction of 132/33 KV GIS substation at **Bagjola,** District -24 Parganas (North) as detailed in the BOQ.	30 Months from the date of LOA

	Construction of 1 no 132 KV GIS Line bays at existing **New Town IIC 220 KV** substation as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -4	Construction of 400 KV and 220 KV Bays and associated Installation works of 315 MVA 400/220 KV Transformer at New Chanditala 400 KV substation (*without Supply of Transformer*), District –Hoogly as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -5	Augmentation of existing Mangalpur 220 KV Substation with Installation of 100 MVA 220/33 KV Transformer and making LILO of existing Durgapur –Asansol 220 KV Line from existing M/C dead end tower as detailed in the BOQ.	12 Months from the date of LOA

Interested bidders may obtain bidding documents by registering themselves to the e-tendering portal (https://wbtenders.gov.in) with the help of Digital Signature Certificate and thereby downloading from **06.01.2025**,11:00 A.M. and shall be submitted up to 4.00 PM on **10.02.2025**.

Detailed NIT is also available on WBSETCL website (www.wbsetcl.in) and can be downloaded from the website for bidders' information only.

WBSETCL intends to finance this package through Loan/Bond.

The Hard copy of Statutory Documents (***POA, Affidavit, UTR for online submission of BG for EMD and EMD for offline EMD submission***) should be submitted physically to the Office of Chief Engineer procurement), B- Block, 10th Floor, WBSETCL, Bidyut Bhawan on or before **11.02.2025** up to 3.00 P.M.

DETAILED NOTICE INVITING TENDER

WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

(A Govt of West Bengal Enterprise)

CHIEF ENGINEER (PROCUREMENT), VIDYUT BHAVAN

NOTICE INVITING e-TENDER

For

Sub-Station and Transmission Line Package-C8

[Domestic Competitive Bidding]

NIT No: CE(P)/WBSETCL/Composite Pkg–C8/24-25/16 DT: 06.01.2025.

1. ***West Bengal State Electricity Transmission Company Limited (WBSETCL)*** invites bids from the eligible bonafide bidders on turnkey basis through Domestic Competitive Bidding for Design, engineering, construction, supply & delivery, erection, stringing, testing and successful commissioning including transportation & insurance and storage along with all other associated works as detailed below in respect of :

Work Details	**Description of Work**	**Completion Period**
PROJECT-1	Construction of 220/132/33 KV GIS substation at Nandanpur, District –Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C Transmission Line from under construction M/C line from **BAPL 400 KV substation** to Jamuria 220 KV **substation up to proposed Nandanpur 220 KV substation** for 220 KV D/C connectivity between BAPL 400 KV and Nandanpur substation (D/C Route Length = 22 km) as detailed in the BOQ.	
PROJECT-2	Upgradation of existing **Barjora** 132 KV substation to 220 KV GIS substation, District - Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C from DPL Unit 8 to Barjora 220 KV GIS substation (Route Length = 19 KM) as detailed in the BOQ.	

PROJECT-3	Construction of 132/33 KV GIS substation at **Bagjola,** District -24 Parganas (North) as detailed in the BOQ.	30 Months from the date of LOA
	Construction of 1 no 132 KV GIS Line bays at existing New Town IIC 220 KV substation as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -4	Construction of 400 KV and 220 KV Bays and associated Installation works of 315 MVA 400/220 KV Transformer at New Chanditala 400 KV substation (*without Supply of Transformer*), District –Hoogly as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -5	Augmentation of existing Mangalpur 220 KV Substation with Installation of 100 MVA 220/33 KV Transformer and making LILO of existing Durgapur –Asansol 220 KV Line from existing M/C dead end tower as detailed in the BOQ.	12 Months from the date of LOA

against **NIT No. CE(P)/WBSETCL/Composite Pkg–C8/24-25/16 DT: 06.01.2025.**

2. **SCOPE OF WORK:**

The brief scope of work is as under:

The work covered under this package for the construction of sub-station, bay extension and associated Transmission Line shall be but not limited to the following:

i. Preparation of Sub-station layouts, detailed engineering, supply & delivery of all Sub-stations structures including equipment structures, GIS equipment and associated outdoor equipment conforming to technical specification and as per Schedule, civil foundations, GIS buildings, control building, utility buildings/quarters, Transmission Line etc as applicable as furnished in the Bid document and other civil works etc.

ii. Check survey work including profiling, tower spotting wherever necessary and detailed survey, if necessary.

iii. Fabrication, galvanizing and supply of D/C and M/C towers, Conductors (ACSR Moose and ACSR Panther), Earth wires (GSW/OPGW), UG XLPE cable, insulators, including all materials and accessories and other line materials as per Bid Schedule.

iv. Design & Construction of Tower including Special River/Power/Rail/N.H X-ing, Dwarf, Composite & Auxiliary X-Arm Towers.

v. Erection of substations in all respects including Fiber Optic Communication System, Bay Extensions and D/C & Special River/Power/Rail/N.H X-ing, Composite & Auxiliary X-Arm towers including fixing of insulator strings,

stringing of conductors and earth-wire (GSW/OPGW), line materials and accessories including Earthing (Pipe type) of towers and laying of UG XLPE cable.

vi. Testing, commissioning and handing over of the substations in all respects including Fiber Optic Communication System, Bay Extensions and Transmission Line.

vii. Dismantling & removal of towers, conductors and earth wires with hard wares and accessories.

However detail scope of work shall be given by the schedule of works.

Interested eligible bidders may obtain further information on the bidding documents from the **Office of the Chief Engineer(Procurement) , WBSETCL** at the address given below:-

Vidyut Bhavan, 10th. Floor
B Block,
SaltLake, Block DJ
Sector II, Kolkata-91.

2.1 **Schedule of Work:**

Work Details	Description of Work	Completion Period
PROJECT-1	Construction of 220/132/33 KV GIS substation at Nandanpur, District –Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C Transmission Line from under construction M/C line from **BAPL 400 KV substation** to Jamuria 220 KV **substation up to proposed Nandanpur 220 KV substation** for 220 KV D/C connectivity between BAPL 400 KV and Nandanpur substation (D/C Route Length = 22 km) as detailed in the BOQ.	
PROJECT-2	Upgradation of existing **Barjora** 132 KV substation to 220 KV GIS substation, District - Bankura as detailed in the BOQ.	24 Months from the date of LOA
	Construction of 220 KV D/C from DPL Unit 8 to Barjora 220 KV GIS substation (Route Length = 19 KM) as detailed in the BOQ.	
PROJECT-3	Construction of 132/33 KV GIS substation at **Bagjola,** District -24 Parganas (North) as detailed in the BOQ.	30 Months from the date of LOA

	Construction of 1 no 132 KV GIS Line bays at existing New Town IIC 220 KV substation as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -4	Construction of 400 KV and 220 KV Bays and associated Installation works of 315 MVA 400/220 KV Transformer at New Chanditala 400 KV substation (*without Supply of Transformer*), District –Hoogly as detailed in the BOQ.	12 Months from the date of LOA
PROJECT -5	Augmentation of existing Mangalpur 220 KV Substation with Installation of 100 MVA 220/33 KV Transformer and making LILO of existing Durgapur –Asansol 220 KV Line from existing M/C dead end tower as detailed in the BOQ.	12 Months from the date of LOA

3.0 WBSETCL intends to finance this package through Loan/Bond.

4.0 Detailed Specification , scope of work and conditions are given in the bidding documents as per the following schedule :

SL.No.	**Particulars**	**Date & Time**
1	Bidding document No	CE(P)/WBSETCL/Composite Pkg–C8/24-25/16 DT: 06.01.2025
2	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	06.01.2025 from10.00 A.M.
3	Documents download/sell start date (Online)	06.01.2025 from 11.00A.M.
4	Documents download/sell end date (Online)	10.02.2025 up to 3:00 P.M.
5	Start date of hard copy submission of clarification/pre-bid queries/proposed modifications/additional information (if any)	06.01.2025 from 2.00 P.M.
6	Closing date of hard copy submission of clarification/pre-bid queries/proposed modifications / additional information (if any)	13.01.2025 up to 4.00 P.M.
7	Pre-bid meeting to be held at Office of the Chief Engineer (Procurement), 10^{th} Floor, B-Block Bidyut Bhawan.	17.01.2025 at 11.30 A.M.
8	Bid submission start date (On line)	31.01.2025 from 11:30 A.M.

9	Bid Submission closing (On line)	10.02.2025 up to 4.00 P.M.
11	Last date of submission of the legally enforceable documents as mentioned in General guidelines for e-tendering in sealed envelope including UTR documents for online submission of EMD.	11.02.2025 up to 03:00 P.M.
12	Bid opening date for Technical Proposals (Online)	12.02.2025 from 4.00P.M.
13	Date of uploading list for Technically Qualified Bidder(online)	Will be uploaded after completion of the techno-commercial evaluation.
14	Date for opening of Financial Proposal (Online)	Will be published in due course.

A complete set of bidding documents may be downloaded by any interested bidder.

Downloading the bidding documents shall not automatically construe that the bidder fulfils the Qualifying Requirements which shall be determined during bid evaluation based on data/documents uploaded by the bidder.

5. All bids must be accompanied by bid security for an amount of **Rs 9.33 Crores (Rupees Nine Crore Thirty Three Lakh only).**

5.1 EMD is to be submitted as per following guidelines:

a. A bidder desirous of taking part in a tender invited by Offices of WBSETCL shall login to the e-Procurement portal of Government of West Bengal https://wbtenders.gov.in using his login Id and password.

b. The bidder shall select the tender to bid and initiate payment of EMD. Following payment options are available for paying EMD amount through online mode:

i. Net-banking through Payment Gateway.

ii. **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 along with requisite testimonials for proportional EMD in the EMD exemption document upload section.

EMD in the form of Bank Guarantee shall remain valid for a period of 240 days from the date of opening of Bids with a claim period of another 90 days thereafter. Bidders must submit the Bid security physically within the stipulated date as above at the office of the Chief Engineer (Procurement), 10th Floor, B-Block, Bidyut Bhawan and also to be documented along with the bid and submitted online. Non-submission of the acceptable bid security, in a sealed cover or

submission of bid security of inadequate value shall be rejected by the WBSETCL and in such cases bids shall be considered as non-responsive.

For preparation of BG the Bank details of WBSETCL is given below:

NAME OF THE BANK	SBI
ADDRESS OF THE BANK	Industrial Finance Branch Kolkata, 4th & 5th Floor, Jeevan Deep Building,1, Middleton Street, Kolkata, West Bengal-700071
ACCOUNT NO	**41456850307**
IFS CODE	SBIN0001936

c. 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.**

d. General Instructions for Online Payment:

i. The bidder will have to mandatorily pay through Net-banking facility once Net-banking mode is opted for payment.

ii. Only a single value can be entered as EMD amount in e-tender portal for each tender. However, in case tender has fixed EMD on line item (multiple items) basis, then, for the cases when actual EMD value calculated as per NIT by the bidder is less than the one mentioned in e-tender portal, bidders shall mandatorily opt for Exemption for payment of actual EMD amount and upload the requisite testimonials for proportional EMD and its proportional amount is to be paid in the form of BG.

iii. 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.

e. Refund/Settlement of EMD Amount:

i. 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.

ii. For successful bid(s), EMD will be refunded from WBSETCL authority after completion of tendering process and following due procedures.

iii. 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.

iv. For any queries related to payments and refunds, bidders will have to communicate with ICICI Customer Support, viz, 9836547326/ 8017094744 since payment gateway facility used by E-tender portal is maintained by ICICI.

NB: It is stated herein that presently, Nodal Bank nominated by the Govt. of West Bengal is ICICI Bank Ltd. in the NIC Portal. However, the Bank may change based upon change of nomination by the Govt. of West Bengal from time to time.

6.0 Qualifying Requirement for bidders:

In addition to the requirements stipulated under Section-II, Instruction to Bidders (ITB), the following shall also apply:

6.1 Technical Qualification

In addition to the requirements stipulated under Section, Instruction to Bidders (ITB), the following shall also apply:

I. Bids must be submitted by a registered Indian company that on its own (credentials of experience as a JV partner shall not be considered) meets all technical & financial qualifications, personal capabilities, experience and requirements set forth in the bidding document.

II. The bidder must have executed at least one contract independently on turnkey basis for EHV line having a route length not less than **21 Kms of 220 KV** or Higher Voltage Class.

The same must be in a single contract during last 5 years with complete survey, design, testing and engineering, supply of materials (tower members, conductor, GSS & OPGW earth-wire, insulators, hardware and accessories), erection, stringing, testing and commissioning of the line.

The above line(s) should be in successful operation for at least one year from the date of commissioning as on the date of NIT. The bidder shall furnish satisfactory completion/operation certificate from the concerned authority (to be supported by Taking Over Certificate).

III. The Bidder should have successfully executed on its own at least one contract of transmission line of the **220 KV or higher** class cable work as required in the tender **or** The Bidder may engage any Execution Contractor having the credential of at least one contract of transmission line of the **220 KV or higher class** cable work as required in the tender.

The Contract(s) referred above shall include underground cable laying, jointing and termination of not less than **7.80 Km** of underground cable laying work in **aggregate including testing, commissioning within last five years from the date of NIT.

***Aggregate means considering the summation of route lengths executed in all applicable contracts as mentioned above.*

Bidder must obtain and submit authorization from any such execution contractor supported by legally enforceable undertaking jointly to guarantee quality, performance, service support and defect liability obligations as specified in the relevant Technical specification and General Condition of Contract. (IF APPLICABLE)

IV. The bidder, must have successfully erected, tested and commissioned on supply cum erection basis (*including Supply and/or Erection of Transformer or Reactor*) at least one number substation of **220 kV or Higher kV class** complete substation or Extension of existing substation including complete design and engineering under Turnkey contract in India, during **last 10 years** from the date of NIT. Such complete substation or Extension of existing substation must have at least 3 (three) numbers **220 kV or higher Voltage** class complete bays which must be in successful operation for at least one year from the date of NIT.

The bidder should submit history of past supply, clients certificate (project executed under PPP/TBCB/Employer or from the concerned Govt. agency etc.) in support of satisfactory operation of rated KV or above KV class substation meeting the criteria as mentioned above.

V. The bidder must have completed (with design & execution) **one 132 KV or higher KV** class complete substation with all buildings, civil infrastructures, SCADA/SAS etc. as turnkey basis during **last 10 (TEN) years** from date of NIT. Such substation must be in successful operation for at least one year from date of NIT.

VI. The bidder shall either have the manufacturing capability of fabricated tower members at his own plant or shall have clear access from other reputed manufacturing plant of fabricated tower members (to be supported by legally enforceable documents like MOU and Affidavit regarding Eligibility of the Fabricator) having yearly manufacturing capacity of **9000 M.T**. Such plant must have manufactured an average of **6000 M.T** during last three years.

VII. The bidder should have in-house design development department and have their own NABL accredited Tower testing facility capable of testing the tendered voltage class (400/220/132 KV) or higher voltage class transmission line tower in India. (AS APPLICABLE).

VIII. The bidder shall procure GIS equipment from WBSETCL enlisted GIS equipment manufacturer. The Bidder shall also submit a legally enforceable undertaking (jointly with the GIS manufacturer) to guarantee quality, timely supply, erection, performance and warranty obligations as specified for the equipment(s). Installation, testing and commissioning of GIS equipment shall be done under direct supervision of the original GIS equipment manufacturer.

IX. The bidder shall procure OPGW from eligible reputed manufacturer who have manufactured, type tested and supplied at least **100 KM of OPGW** during **last 3 years** in Indian power utilities from the date of NIT.

X. The Bidder shall procure relevant type of **OFC** and other accessories from eligible reputed manufacturer who have manufactured and supplied minimum **10 (ten) KM of fibre optic cable** during **last 3 (three) years** in Indian utilities from the date of NIT.

XI. Bidder must submit Power Transformers from reputed manufacturers as per List uploaded separately with the Tender documents in the e-tendering portal. The Bidder shall also submit a legally enforceable undertaking (jointly with the Power Transformer manufacturer) to guarantee quality, timely supply, erection, performance and warranty obligations as specified for the equipment(s). Installation, testing and commissioning of Power Transformer shall be done under direct supervision of the original equipment manufacturer.

XII. All equipment offered should be type tested as per latest IS/IEC and relevant specification with a validity as specified in latest CEA guidelines on the date of NIT.

XIII. All equipment must be supplied from the latest approved makers list and specification of WBSETCL as uploaded in the company website.

XIV. The Bidder should have successfully executed/completed any transmission line and/or substation project under Central/State Power Utility or TBCB in any one project within 20 (Twenty) months during last Ten (10) financial years and the executed value of such project in any One (1) financial years hall not be less than **Rs 139.91 Crore**.

The Bidder shall furnish valid and authenticated documents in support of his eligibility and technical qualification as required above.

6.2 Personnel Capability

The bidder must have full-fledged set up for executing similar turnkey projects. Details of execution set up to be deployed by the bidder shall be furnished in their offer.
Project Management team shall be headed by a Project Manager (Engineering Graduate) with at least 10 (ten) years of experience in execution of such contract of comparable nature. He shall be stationed at work site. **However, installation, testing and commissioning of GIS equipment shall be done under direct supervision of the original GIS equipment manufacturer**.

6.3 Financial

i) The **Net worth** at the end of last financial year shall be not less than **Rupees 117 Crore (Rupees One Hundred and Seventeen Crore Only).**

ii) The **average yearly turnover** over the last three financial years shall not be less than **Rupees 280 Crore (Rupees Two Hundred and Eighty Crore Only).**

iii) **Liquid Asset** must not be less than **Rs. 47 Crore (Rupees Forty Seven Crore Only).** Bidders shall have Liquid Asset (LA) and/or evidence of access to or availability of credit facilities of equivalent amount.

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

8.0 Address for Communication :

The Addl. C.E& Nodal officer,
O/o The Chief Engineer,
Procurement Department, 10th.Floor, 'B' Block,
Vidyut Bhavan, Block-DJ, Sector-II, Salt Lake,
Kolkata-700091.
WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
FAX : 91-33-2359-1894
TELEPHONE : 91-33-23197713/ 91-33-23595041
E-mail :*ceprocurement_wbsetcl@rediffmail.com*
Website :www.wbsetcl.in

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