

WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

Tender Document FOR

**CONSTRUCTION OF 01 (ONE) NO. 160 MVA, 220/132 KV TRANSFORMER BAY
BY MODIFICATION OF 132 KV FEEDER BAY INTO TRANSFORMER BAY AND
ONE NO. 132 KV FEEDER BAY AND ALLIED WORK AT SATGACHIA 220/132/33
KV SUB STATION ON TURN KEY BASIS.**

NI e-T No. CECON/2015-16/32 DTD. 18.02.2016



WBSETCL

CHIEF ENGINEER (O & M) CONSTRUCTION
WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
VIDYUT BHAVAN
10TH.FLOOR 'D' BLOCK
SALT LAKE CITY, KOLKATA – 700 091

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SECTION - I

DETAILED NOTICE INVITING TENDER

WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
(A Govt. of West Bengal Enterprise)

OFFICE OF THE CHIEF ENGINEER (O&M) CONSTRUCTION
BIDYUT BHAWAN (10TH FLOOR), DJ-BLOCK, SECTOR-II
SALT LAKE CITY, KOLKATA-700 091

**NOTICE INVITING TENDER
FOR**

**CONSTRUCTION OF 01 (ONE) NO. 160 MVA, 220/132 KV TRANSFORMER BAY
BY MODIFICATION OF 132 KV FEEDER BAY INTO TRANSFORMER BAY AND
ONE NO. 132 KV FEEDER BAY AND ALLIED WORK AT SATGACHIA 220/132/33
KV SUB STATION ON TURN KEY BASIS.**

(Domestic competitive bidding)

Notice Inviting e-Tender No. **CECON/2015-16/32** Dated **18/02/2016**

- 1.0 **West Bengal State Electricity Transmission Company Limited** herein referred to as **WBSETCL** invites e-tender (Submission of Bid through **online**) through local competitive bidding (LCB) from eligible bidders for Engineering as required, civil construction, supply & delivery, erection and commissioning including transportation & insurance, storage in respect of the following work:-

CONSTRUCTION OF 01 (ONE) NO. 160 MVA, 220/132 KV TRANSFORMER BAY
BY MODIFICATION OF 132 KV FEEDER BAY INTO TRANSFORMER BAY
AND ONE NO. 132 KV FEEDER BAY AND ALLIED WORK AT SATGACHIA
220/132/33 KV SUB STATION ON TURN KEY BASIS.

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

A) For Transformer & Feeder:-

a) SUPPLY:-

Supply and delivery of all outdoor and indoor equipments with associated structures, connectors, hardware fitting, conductors, bus pipes, etc. conforming to Technical Specification and approved drawings for successful commissioning of one no. 160 MVA, 220/132 KV Transformer Bay by modification of 132 KV Feeder Bay into Transformer Bay and one no. 132 KV Feeder Bay and allied work at Satgachia 220/132/33 KV Sub Station on Turn Key basis.

b) **ERECTION:-**

The scope includes the following but not limited to:

- Civil Foundation: All the civil foundation works of equipments/Structures/tower including Cable trenches conforming to Technical Specification and approved drawings.
- Equipment: Erection of equipment with associated structures, necessary connections through drawal of pipe bus/conductors complete as per requirement for successful commissioning of one no. 160 MVA, 220/132 KV Transformer Bay by modification of 132 KV Feeder Bay into Transformer Bay and one no. 132 KV Feeder Bay and allied work at Satgachia 220/132/33 KV Sub Station on Turn Key basis.
- Earthing: All works related to extension of earth – mat wherever necessary as per BOQ and proper earthing of Transformers, all equipment and structures along with treated and untreated earth pit as per Technical Specification and approved drawings.
- Crushed Stone: Spreading of 100 mm. thick washed Crushed Stone over switch yard surface and GSS and TSS over a layer of 75 mm thick 1:5:10 cement, sand, jhama khoa.

B) **For Cable Laying Work:-**

- Check Survey of Cable route from LV side of 220/132 KV Transformer to Existing 132 KV Feeder Bay and New 132 KV Feeder Bay to Composite Tower.
- Laying of 132 KV single core XLPE Cable from LV side of 220/132 KV Transformer to Existing 132 KV Feeder Bay and New 132 KV Feeder Bay to Composite Tower as per Technical Specification.
- Erection of Cable Termination Kit at CSE and Composite Tower as per Technical Specification.
- Testing and Commissioning of above 132 KV single core XLPE Cable.

3.0 Estimated Cost for the Project: - **Rs. 767.50 Lac (Rupees Seven Crores Sixty Seven Lac and Fifty Thousand) only including all Taxes & Duties and Service Tax.**

4.0 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/> or <https://etender.wb.nic.in> as per the following schedule:

Sl. No.	Particulars	Date & Time
01.	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	18.02.2016
02.	Documents download/sell start date (Online)	19.02.2016 05:00 P.M.

03.	Last Date of uploading of Pre Bid Quarries	26.02.2016 03:00 P.M.
04.	Pre Bid Meeting	03.03.2016 03:00 P.M.
05.	Bid submission start date (On line)	07.03.2016 09:00 A.M
06.	Bid Submission closing (On line)	21.03.2016 03:00 P.M.
07.	Last Date of submission of original copies for the cost of Tender Documents and cost of Earnest Money Deposit (Off line)	22.03.2016 01:00 P.M.
08.	Bid opening date for Technical Proposals (Online)	26.03.2016 11:00 A.M
09.	Date of uploading list for Technically Qualified Bidder (online)	04.04.2016 03:00 P.M.
10.	Date for opening of Financial Proposal (Online)	To be intimated later
11.	Completion Time	270 days from the date of placement of LOA.

- 5.0 In the event of e-filling, intending bidder may download the tender documents from the website <http://wbtenders.gov.in>, <https://etender.wb.nic.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 / Pay Order issued from any scheduled bank in favour of the “**West Bengal State Electricity Transmission Company Limited**”, payable at Kolkata and a scanned copy of the same to be uploaded. Necessary Earnest Money (EMD) may be remitted through Bank Draft / Pay Order/Banker’s cheque issued from any scheduled bank in favour of the “**West Bengal State Electricity Transmission Company Limited**”, payable at Kolkata or Bank Guarantee from any scheduled Bank and also to be documented through e-filling. The original Bank Draft / Pay Order against tender fees and the original Bank Draft / Pay Order / Bank Guarantee against Earnest Money Deposit (EMD)(As statutory documents) should be submitted physically (Offline) to the Office of The Chief Engineer (O&M) Construction, WBSETCL under sealed cover on or before the scheduled date & time as specified above.
- 6.0 All bids must be supported by **bid security (EMD)** for an amount of **7.70 Lac (Rupees Seven Lac and Seventy Thousand only)** in the form of Demand Draft /pay order /Banker’s cheque drawn in favour of “**West Bengal State Electricity Transmission Company Limited**” from any scheduled commercial bank, payable at Kolkata, or a Bank Guarantee from any scheduled commercial bank favouring WBSETCL which shall remain valid for a period of two hundred and forty (240) days from the final bid submission date i.e. bid deadline with a further claim period of ninety (90) days. Bid shall be rejected by the WBSETCL if the bidder fails to submit original Bank Guarantee /Demand Draft /Pay order against tender fees & Earnest Money Deposit (EMD) physically to the office of the Chief Engineer, (O&M) Construction Department, WBSETCL under sealed cover on or before the scheduled date & time as specified above.

7.0 QUALIFYING REQUIREMENT FOR BIDDERS:

The Bidder must have to meet the following conditions:

A. Financial Capability:

- i) The **Minimum Average Annual Turnover (MAAT)** of the Bidder for the best 3 (three) years out of the last 5 (five) financial years for which the audited accounts are available shall not be less than **Rs. 1155.00Lac.**
- ii) **Net worth** at the end of last financial year shall be **positive.**
- iii) Bidder shall have **Liquid Asset (L.A.)** and/ or evidence of access to or availability of credit facilities of equivalent amount not less than **Rs. 195.00 Lac.**

B. Technical Capability and Experience:

The Bidder, who intends to participate in the Bid, shall have to comply the following criteria:

The Bidders must have experience of successful execution of at least one no. 220/132 KV or higher voltage class Transformer Bay in a running Sub Station during last 5 (five) years as on the date of NIT with or without supply of equipments/materials, but including civil and electrical erection work and installation and commissioning of bays. Such work must be in successful operation for not less than one year in any Indian Power utility as on the date of NIT.

In addition to above, the bidder shall procure cables from approved manufacturer of WBSETCL having manufacturing capability of 110 KV or Higher Voltage Class XLPE cables who have designed, manufactured, type tested and supplied 110 KV or higher voltage class single core XLPE cable in Indian Power Utility. The same Cable should have been in successful operation for at least 1 (one) year as on date of NIT in any Indian Power Utility.

The above information is to be supported by certificate stating successful completion and satisfactory performance certificate and Taking over Certificate [TOC] of the relevant contract executed.

C. Personnel Capability:

The bidder must have full-fledged set up for executing similar projects in power utility. 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 who shall have at least 2(two) years' experience in execution of such contract of comparable nature. He shall be stationed at work site.

D. Other requirement:

Bids may be submitted by a Registered Company that on its own meets all the qualifications, experience and requirements set forth in bidding document. Bidder shall also satisfy the following conditions:

- a) They shall possess a valid electrical contractor's license issued under the Act.
- b) All equipment offered for this tender shall be Type Tested and they should procure the equipments/materials from approved maker's list of WBSETCL.
- c) The "Must Conditions" to be met by the bidder have been further elaborated in the NIT. Bidders shall upload scanned copies of valid and authenticated documentation in support of his capability/experience/requirement and qualification.
- 8.0 Completion period for the project is **270 (two hundred and seventy) days** from the date of placement of LOA.
- 9.0 The Material and Service Component for each item of the "Erection Schedule" should be correctly segregated by the vendor.
- 10.0 Constructional Labour Welfare CESS @ 1% (*one percent*) of cost of erection will be deducted from every Bill of the successful bidder.
- 11.0 WBSETCL 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.
- 12.0 The bidder may mailed their Pre – Bid queries to the following E-mail within the scheduled date as mentioned above.
- 13.0 **Technical Specification:** - All the Technical Specifications are available at the website of WBSETCL i.e. www.wbsetcl.in. The Bidders are requested to download the same from the aforesaid website.
- 14.0 **Approved Maker's List of WBSETCL:** - Approved Maker's List of WBSETCL are available at the website of WBSETCL i.e. www.wbsetcl.in. The Bidders are requested to download the same from the aforesaid website.
- 15.0 **Drawings of different Structures & Foundations:-** Drawings of different Structures & Foundations are available at the website of WBSETCL i.e. www.wbsetcl.in. The Bidders are requested to download the same from the aforesaid website.

16.0 **ADDRESS FOR COMMUNICATION**

The Chief Engineer (O&M) Construction,
 West Bengal State Electricity Transmission Company Limited,
 10th Floor, "D" Block,
 Block -DJ, Bidyut Bhavan,
 Sector -II, Salt Lake City,
 Kolkata -700091.

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