

## Section I - NOTICE INVITING e-TENDER

### West Bengal State Electricity Transmission Company Limited

(A Govt. of West Bengal Enterprise)

Office of the Chief Engineer: (O&M) – II

CIN: U40101WB2007SGC113474

ABRIDGED NOTICE INVITING e-TENDER

For

**REPLACEMENT OF OLD CONDUCTOR, INSULATORS AND ACCESSORIES OF  
220 KV BAKRESWAR TPS - SATGACHIA DOUBLE CIRCUIT LINE FROM TL NO.  
12 TO TL NO. 317 OF ROUTE LENGTH 92.0 K.M. (APPROX.).**

**[Domestic Competitive Bidding]**

*West Bengal State Electricity Transmission Company Limited (WBSETCL)* invites bids from the bonafide eligible bidders on turnkey basis through Domestic Competitive Bidding for engineering, supply & delivery, erection, testing and commissioning including transportation & insurance, storage in respect of Replacement of old Conductor, Insulators and accessories of 220 KV Bakreswar TPS - Satgachia double circuit Line from TL No. 12 to TL No. 317 of route length 92.0 K.M. (approx.). as defined in the bid document on ‘**Turn-key Basis**’ against **NIT No. CE/ (O&M) – II/CONDUCTOR REPLACEMENT/BKTPP – SATGACHIA/2020-2021/ 01, DATED 25.09.2020.**

Interested bidders may obtain bidding documents by registering themselves to the e-tendering portal (<https://wbtenders.gov.in> or <https://etender.wb.nic.in>) with the help of Digital Signature Certificate and thereby downloading from **25.09.2020, 05:00 P.M.** and shall be submitted up to **03:00 P.M. on 03.11.2020.**

Detailed NIT is also available on WBSETCL website ([www.wbsetcl.in](http://www.wbsetcl.in)) and can be downloaded from the website for bidders’ information only.

Necessary cost of bidding documents (non refundable) may be remitted through Demand Draft / Pay Order/ Banker’s Cheque issued from any scheduled bank in favour of “**West Bengal State Electricity Transmission Company Limited**” payable at **Kolkata** and also to be documented along with the bid and submitted online. The original Demand Draft / Pay Order against tender fees should be submitted physically to the Office of Chief Engineer: (O&M) – II, D- Block, 10<sup>th</sup> Floor, WBSETCL, Bidyut Bhawan on or before **04.11.2020 up to 03.00 P.M.**

DETAILED NOTICE INVITING TENDER

**WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**

(A Govt. of West Bengal Enterprise)

(Procurement Department, Kolkata)

NOTICE INVITING TENDERS

For

**REPLACEMENT OF OLD CONDUCTOR, INSULATORS AND ACCESSORIES OF  
220 KV BAKRESWAR TPS - SATGACHIA DOUBLE CIRCUIT LINE FROM TL NO.  
12 TO TL NO. 317 OF ROUTE LENGTH 92.0 K.M. (APPROX.).**

**[Domestic Competitive Bidding]**

NIT No: CE/ (O&M) – II/CONDUCTOR REPLACEMENT/BKTPP – SATGACHIA/2020-  
2021/ 01, DATED 25.09.2020.

1. **West Bengal State Electricity Transmission Company Limited (WBSETCL)** invites bids from the bonafide eligible bidders on turnkey basis through Domestic Competitive Bidding for engineering, supply & delivery, erection, testing and commissioning including transportation & insurance, storage in respect of Replacement of old Conductor, Insulators and accessories of 220 KV Bakreswar TPS - Satgachia double circuit Line from TL No. 12 to TL No. 317 of route length 92.0 K.M. (approx.). as defined in the bid document on ‘**Turn-key Basis**’ against **NIT No. CE/ (O&M) – II/CONDUCTOR REPLACEMENT/BKTPP – SATGACHIA/2020-2021/ 01, DATED 25.09.2020.**
2. **SCOPE OF WORK:** The work covered under this tender shall be but not limited to the following:-
  - 2.1 The scope of work inter-alia includes:
    - (i) Manufacturing, testing & supply of ACSR Zebra Conductor as well as required associated hardware fittings and accessories viz. suspension fittings, tension fittings, mid-span compression joints, repair sleeves, T-Connectors, vibration dampers, Disc Insulator etc.
    - (ii) Survey & profiling of existing line route using Total stations, verification of availability of statutory electrical clearances using PLS-CADD software; de-stringing of existing Conductor including dismantling of associated fittings & accessories from the above lines and stringing of each circuit with ACSR Zebra Conductor along with associated fittings and accessories with the other circuit under live condition.
  - 2.2 The material to be supplied on final destination at site basis as covered in the bidding documents shall be manufactured, tested, supplied and installed as per the requirements specified in this Tender. The requirements, conditions, appendices etc. as specified in other Sections of bidding documents shall also apply to.

- 2.3 The ACSR ZEBRA conductor removed from the existing line is envisaged for re-use/ utilization by the WBSETCL in other projects. Proper handling and safety of the conductor during de-stringing, storage at site, measurement of conductor lengths, rewinding on drums at site and safe transportation to WBSETCL's designated stores along the transmission line shall be included in the scope of work.
- 2.4 The WBSETCL shall arrange shut down of one circuit at a time and the other circuit shall be kept under charged condition. The contractor shall de-string the existing conductor and restring the circuit with the ACSE ZEBRA conductor section by section and restore the line in original conditions as per program finalized in co-ordination with site. **Normally Shut down will be allowed form 6 AM to 3 PM on daily basis for the replacement work. Generally the contractor has to do the stringing within this interval so that line can be charged at 3 PM every day.** No idle labour is admissible for non-availability of shut down or Right of Way constraints during erection. Appropriate safety measures along with necessary safety tools and equipments to carry out de-stringing and stringing operations under the above conditions including mechanical/ structural safety of the towers shall be the responsibility of the contractor.
- 2.5 The materials covered in this tender shall be supplied complete in all respects, including all components, fittings and accessories which are necessary or are usual for their efficient performance and satisfactory maintenance under the various operating and atmospheric conditions. Such parts shall be deemed to be within the scope of the Contract, whether specifically included or not in the Specification or in the Contract Schedules. The Supplier shall not be eligible for any extra charges for such fittings, etc.
- 2.6 The entire stringing work of conductor shall be carried out by tension stringing technique except where geography/ topographical or other site constraints do not permit use of tension stringing equipment. In such cases manual stringing along with other appropriate tools and equipments may be employed with the approval of WBSETCL's site in charge. Contractor is to indicate the sets of Tension Stringing Equipment in his proposal and indicate no. of stringing equipments which the bidder plans to deploy so as to meet his schedule in their offer.
- 2.7 The entire stringing work of ACSR ZEBRA conductor shall be carried out by tension stringing technique except where geographical / topographical or other site constraints do not permit use of tension stringing equipment. In such cases manual stringing along with other appropriate tools and equipment may be employed with the approval of engineer in charge. The contractor shall indicate in their offer, the sets of tension stringing equipment he is having in his possession and the sets of stringing equipment

he would deploy exclusively for this tender. The contractor shall also engage sufficient manpower so that stringing of the conductor in one stretch is complete within the allowed shut down period of one day. No mid span joint will be allowed for section length up to **1 (One) K.M.** Beyond section length of 1 (one) K.M. mid span compression joint may be allowed with prior permission of WBSETCL & hence the length of the conductor shall be decided by referring the tower schedule.

- 2.8 Only important road & river crossings and lines passing over civil structures will have double insulator strings. Vibration dampers are to be provided in all suspension & tension locations.
- 2.9 The rollers, which will be used during stringing, should be so designed that the line can be charged with the roller.

**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 : (O&M) – II, WBSETCL** at the address given below:-  
Vidyut Bhavan, 10th. Floor  
D Block,  
Salt Lake City, Block DJ  
Sector II, Kolkata-91.

3. Estimated Cost for the Project: - **Rs. 3,316.50 Lac (Rupees Thirty Three Crore Sixteen Lakh and Fifty Thousand) only.**
4. WBSETCL intends to finance this package through Loan/Bond.
5. 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/ (O&M) – II/CONDUCTOR REPLACEMENT/BKTPP – SATGACHIA/2020-2021/ 01, DATED 25.09.2020.
2	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	25.09.2020 from 01:00 P.M.
3	Documents download/sell start date (Online)	25.09.2020 from 05:00 P.M.
4	Documents download/sell end date (Online)	03.11.2020 up to 03:00 P.M

5	Start date of hard copy submission of clarification/pre-bid queries/proposed modifications/additional informations (if any)	28.09.2020 from 11.00 A.M.
6	Closing date of hard copy submission of clarification/pre-bid queries/proposed modifications / additional information (if any)	05.10.2020 up to 04.00 P.M.
7	Pre-bid meeting to be held at Office of the Chief Engineer: (O&M) – II, 10 <sup>th</sup> Floor, D-Block Bidyut Bhavan.	07.10.2020 at 02.30 A.M.
8	Bid submission start date (On line)	10.10.2020 from 10:00 A.M.
9	<b>Last Date of submission of original copies for the cost of Bidding Document (Tender Fees), Bid Security, Original Power of Attorney &amp; Affidavit regarding Eligibility (duly notarized) as Hard Copy (Off line) and Copy of GST Registration Certificate must.</b>	04.11.2020 up to 03.00 P.M.
10	Bid Submission closing (On line)	03.11.2020 up to 03:00 P.M.
11	Bid opening date for Technical Proposals (Online)	05.11.2020 from 03:00 P.M.
12	Date of uploading list for Technically Qualified Bidder(online)	Will be uploaded after completion of the techno-commercial evaluation.
13	Date for opening of Financial Proposal (Online)	Will be published in due course.
14.	Cost of Bidding Document	<b>Rs 5000/- + Rs. 900/- (18% GST) = Total Rs. 5,900/- (Rupees Five Thousand and Nine Hundred only). HSN/ SAC Code – 999799.</b>

6. A complete set of bidding documents may be downloaded by any interested bidder. Cost of the Bidding document (non-refundable) as mentioned above in the form of a Demand Draft/Pay Order/Banker's Cheque drawn in favour of **“WEST BENGAL STATE ELECTRICITY TRANSMISSION COMPANY LIMITED”** from any scheduled bank payable at Kolkata shall have to be deposited physically at the office the Chief Engineer: (O&M) – II, D- Block, 10<sup>th</sup> Floor, WBSETCL, Bidyut Bhawan on or before **04.11.2020 up to 03.00 P.M.**
7. 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
8. All bids must be accompanied by **Bid Security** for an amount of **Rs. 66.50 Lakh [Rupees Sixty Six Lakh and Fifty Thousand only]** in the form of Demand Draft/ Pay order/

Banker's Cheque/ Bank Guarantee and 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: (O&M) – II, 10<sup>th</sup> Floor, D-Block, Bidyut Bhawan and also to be documented along with the bid and submitted online. Non submission of the acceptable bid security along with prescribed cost of bidding documents as specified here, in a sealed cover or submission of bid security and cost of bidding document 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 as follows:

**Name of the Bank: State Bank of India**

**Address of the Bank: CF-Block, Salt Lake, CF-351, Sec-I, Bidhannagar, Kolkata-700064**

**Account No.: 31279958953**

**IFSC Code: SBIN0012360.**

9. Non submission of the acceptable bid security along with prescribed cost of bidding documents as specified here, in a sealed cover or submission of bid security and cost of bidding document of inadequate value shall be rejected by the WBSETCL and in such cases bids shall be considered as non responsive.

10. Qualifying Requirement for bidders:

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

**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. 2487.50 Lac.**
- 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. 414.60 Lac.**

**B. Technical Capability and Experience:**

**(A) Technical qualification of the manufacturer as Bidder:-**

- (i) The manufacturer should have experience of manufacturing, testing and supply at least **100 K.M. of ACSR Zebra or Higher Capacity conductor** during last five (5) years as on the date of NIT in any Indian Power Utility.

**Erection Criteria for manufacturer as bidder:-**

- i) The bidder should have experience for erection and stringing of ACSR Zebra or Higher Capacity conductor for 220 KV or Higher Voltage Class Double Circuit transmission line of **route length of minimum 50 K.M. in any Indian Power Utility** and the same work must be in successful operation for not less than one year in any Indian Power utility as on the date of NIT. [To be supported by commissioning & execution or similar certificate of the relevant contract executed].

OR

- ii) The bidder should have executed contract independently on turnkey basis for Overhead EHV line of 220 KV or higher voltage class having a route length not less than **20 (Twenty) K.M.** during last 5 (five) years as on date of NIT with survey, construction and engineering, with supply of tower materials, conductor, insulators, hardware and accessories, erection, stringing, testing and commissioning of the line **in any Indian Power Utility** and the same work must be in successful operation for not less than one year in any Indian Power utility as on the date of NIT. [To be supported by commissioning & execution or similar certificate of the relevant contract executed].

OR

- iii) The bidder may participate in the tender by engaging separate contractor for execution who fulfils any of the above criteria to that effect the bidder must furnish relevant documents i.r.o. erection contractor and the manufacturer should be responsible for the total work up to completion. [To be supported by commissioning & execution or similar certificate of the relevant contract executed]. **The Bidder must obtain authorization from at least 2(two) 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.**

The Manufacturer should have to comply both the above manufacturing and erection criteria.

**(B) Technical qualification for Indian EPC Transmission Line Contractor as Bidder:-**

- (a) The bidder The bidder should have experience for erection and stringing of ACSR Zebra or Higher Capacity conductor for 220 KV or Higher Voltage Class Double Circuit transmission line of **route length of minimum 50 K.M. in any Indian Power Utility** and the same work must be in successful operation for not less than one year in any Indian Power utility as on the date of NIT. [To be supported by commissioning & execution or similar certificate of the relevant contract executed].

OR

The bidder should have executed contract independently on turnkey basis for Overhead EHV line of 220 KV or higher voltage class having a route length not less than **20 (Twenty) K.M.** during last 5 (five) years as on date of NIT with survey, construction and engineering, with supply of tower materials, conductor, insulators, hardware and accessories, erection, stringing, testing and commissioning of the line **in any Indian Power Utility** and the same work must be in successful operation for not less than one year in any Indian Power utility as on the date of NIT. [To be supported by commissioning & execution or similar certificate of the relevant contract executed].

- (b) The bidder should procure ACSR Zebra Conductor and other materials from the approved makers of WBSETCL.

**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.

11. Completion period for the project is **200 (two hundred) Shut Down days** within **02 (two) years** from the date of placement of LOA.
12. The tender consist of 02 (two) Price Schedules, one price schedules relating to Supply of materials and one price schedules relates to corresponding erection of materials at the said locations. Bidders are advised to offer their price for all the two schedules. In case any of the price schedules is left blank it will be considered that the bidder shall execute the total work as per total price offered for the other price schedules taken together.
13. 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.
14. The bidder may mailed their Pre – Bid quarries to the following E-mail within the scheduled date as mentioned above.
15. **Technical Specification:** - All the Technical Specifications are available at the website of WBSETCL i.e. [www.wbsetcl.in](http://www.wbsetcl.in). The Bidders are requested to download the same from the aforesaid website and the same should be followed.



16. **Approved Maker's List of WBSETCL:** - Approved Maker's List of WBSETCL are available at the website of WBSETCL i.e. [www.wbsetcl.in](http://www.wbsetcl.in). The Bidders are requested to download the same from the aforesaid website and the same should be followed.
17. **The quantity as shown in the BoQ is a tentative one. The same may vary during actual execution and the payment will be made as per actual execution.**

18. **ADDRESS FOR COMMUNICATION**

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

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