

## Section I - NOTICE INVITING TENDER

ABRIDGED NOTICE INVITING TENDER

WBSETCL

(A Govt of West Bengal Enterprise)

CHIEF ENGINEER (PROCUREMENT), VIDYUT BHAVAN

NOTICE INVITING TENDERS

For

CONSTRUCTION OF 132/33 KV GIS SUBSTATION AT **RAMNAGAR** (DISTRICT – PURBA MEDINIPUR), **MANABAZAR** (DISTRICT – PURULIA) AND **BIRLAPUR** (DISTRICT – 24 PARGANAS {SOUTH}) AND 2 NOS 132 KV GIS BAYS AT **INDUS** 132 KV GIS SUBSTATION, WBSETCL (DISTRICT – BANKURA) ALONGWITH 2 NOS. 132 KV AIS BAYS EACH AT **HURA** 220/132 KV AIS SUBSTATION, (DISTRICT – PURULIA) AND **SERAKOL** 132 KV AIS SUBSTATION (DISTRICT – 24 PARGANAS{SOUTH})

[Package-63]

[Domestic Competitive Bidding]

1. *West Bengal State Electricity Transmission Company Limited (WBSETCL)* invites bids from the eligible bidders on turnkey basis through Domestic Competitive Bidding for design, engineering, civil construction, supply & delivery (**Power Transformers to be supplied by WBSETCL**), erection, testing and commissioning including transportation & insurance, storage in respect of :
  - (i) **Ramnagar 132/33 KV GIS substation, District –Purba Medinipur.**
  - (ii) **Manbazar 132/33 KV GIS substation, District – Purulia.**
  - (iii) **Birlapur 132/33 KV GIS substation, District – 24 Parganas(South).**
  - (iv) **2 nos. 132 KV AIS Feeder bays at Hura 220/132 KV AIS substation, District –Purulia.**
  - (v) **2 nos. 132 KV AIS Feeder bays at Serakole 132 KV AIS substation, District –24 Parganas(South).**
  - (vi) **2 nos. 132 KV GIS Feeder bays at Indus 132 KV GIS substation, District – Bankura.**

and other associated works as defined in the bid document on ‘Turn-key Basis’ against NIT No. CE (P) / WBSETCL/Sub-stn Pkg-63 /18-19/32 DT 06.02.2019.

Interested Bidder may download the Bid documents from **06.02.2019 from 11.00 A.M. and Bids shall be submitted online up to 4.00 P.M. on 01.03.2019.**

WBSETCL intends to finance this package through Loan/Bond.

Intending bidder may download the tender documents from the website <http://etender.wb.nic.in> OR [wbtenders.gov.in](http://wbtenders.gov.in) directly with the help of Digital Signature Certificate. 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 (Procurement), B- Block, 10<sup>th</sup> Floor, WBSETCL, Bidyut Bhawan on or before **05.03.2019 up to 03.00 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 TENDERS

For

CONSTRUCTION OF 132/33 KV GIS SUBSTATION AT **RAMNAGAR** (DISTRICT – PURBA MEDINIPUR), **MANABAZAR** (DISTRICT – PURULIA) AND **BIRLAPUR** (DISTRICT – 24 PARGANAS{SOUTH}) AND 2 NOS 132 KV GIS BAYS AT **INDUS** 132 KV GIS SUBSTATION, WBSETCL (DISTRICT – BANKURA) ALONGWITH 2 NOS. 132 KV AIS BAYS EACH AT **HURA** 220/132 KV AIS SUBSTATION, (DISTRICT – PURULIA) AND **SERAKOL** 132 KV AIS SUBSTATION (DISTRICT – 24 PARGANAS{SOUTH})

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  - (i) **Ramnagar 132/33 KV GIS substation, District – Purba Medinipur.**
  - (ii) **Manbazar 132/33 KV GIS substation, District – Purulia.**
  - (iii) **Birlapur 132/33 KV GIS substation, District – 24 Parganas(South).**
  - (iv) **2 nos. 132 KV AIS Feeder bays at Hura 220/132 KV AIS substation, District – Purulia.**
  - (v) **2 nos. 132 KV AIS Feeder bays at Serakole 132 KV AIS substation, District – 24 Parganas(South).**
  - (vi) **2 nos. 132 KV GIS Feeder bays at Indus 132 KV GIS substation, District – Bankura.**

and other associated works as defined in the bid document on ‘**Turn-key Basis**’ against **NIT No. CE (P) / WBSETCL/Sub-stn Pkg-63 /18-19/32 DT 06.02.2019.**

2. **SCOPE OF WORK:**

The brief scope of work is as under:

The work covered under this package is for construction of sub-station and bays on Turn-Key basis as briefed below:

A	<p><i>CONSTRUCTION OF 132/33 KV GIS SUB-STATION AT RAMNAGAR, DISTRICT – PURBA MEDINIPUR</i></p> <p>The linking substation for establishment of telecommunication with Ramnagar is Bajkul 132 KV GIS sub-station and Contai sub-station, WBSETCL.</p>
B	<p><i>CONSTRUCTION OF 132/33 KV GIS SUBSTATION AT MANBAZAR, DISTRICT – PURULIA</i></p> <p>The linking substation for establishment of telecommunication with Manbazar substation is Hura sub-station, WBSETCL.</p>
C	<p><i>CONSTRUCTION OF 132/33 KV GIS SUBSTATION AT BIRLAPUR, DISTRICT – 24 PARGANAS (SOUTH)</i></p> <p>The linking substation for establishment of telecommunication with Birlapur substation is Baruipur sub-station, WBSETCL.</p>
D	<p><i>CONSTRUCTION OF 2 NOS 132 KV AIS BAYS AT HURA 220/132 KV AIS SUBSTATION, DISTRICT – PURULIA</i></p>
E	<p><i>CONSTRUCTION OF 2 NOS 132 KV AIS BAYS AT SERAKOLE 132 KV AIS SUBSTATION, DISTRICT – 24 PARGANAS (SOUTH)</i></p>
F	<p><i>CONSTRUCTION OF 2 NOS GIS 132 KV BAYS AT INDUS 132 KV GIS SUBSTATION, DISTRICT – BANKURA</i></p>

This also includes the following but not limited to:

Preparation of Sub-station layouts, detailed engineering, supply & delivery of all Sub-stations structures including equipment structures, GIS equipments and associated outdoor equipments conforming to technical specification and as per Schedule , civil foundations, GIS buildings, control building, utility buildings/quarters etc as applicable as furnished in the Bid document and other civil works etc along with erection, testing and commissioning of substations in all respects including Fiber Optic Communication System.

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,  
Salt Lake, Block DJ  
Sector II, Kolkata-91.

**2.1 Schedule of Work:**

	Package no	Name of sub-station	Brief scope of works	Status of Sub-station and Completion time
1	63	<b>Ramnagar 132/33 KV GIS substation</b>	<p><b>132/33 KV GIS SS comprising of :</b></p> <p><b>a) 132 KV</b> - 4 numbers 132 KV Feeder Bays, 2 number 132 KV Transformer Bay, 1 no. (One) Bus coupler Bay, 3 phase Bus PT, each for Main Bus-I &amp; Main Bus-II with disconnectors &amp; earth switch, Disconnector with Earthing arrangement at both the Main Bus I &amp; II for future extension and other required equipment &amp; accessories like Bus Earth Switch etc. to complete the GIS system as detailed in Schedule of Works.</p> <p><b>b) 33 KV</b> - 36 KV, 25KA - 3sec, 2000A, 2-main bus Indoor GIS type Switchgear Assembly with VCB interrupter and bus earthing arrangement.</p> <p>Main bus , Circuit breaker and other equipment like disconnector etc shall be in SF6 environment with separate gas compartment.</p> <p>Provision of feeder earthing arrangement shall be present.</p> <p>The switchgear shall include Local Control system, Protection &amp; other Relays, annunciation equipment and other accessories complete as per technical specification and requirement comprising of 10sets of Outgoing Feeder Bays, 1250A Circuit Breaker rating , 2 sets of Power &amp; Earthing Transformer bay, 1250A Circuit Breaker rating, 2 sets of Station service transformer / Outgoing feeder bay , 1250A Circuit Breaker rating, 1 set of Bus section Bay and Bus Coupler bay, 1250A Circuit Breaker rating,</p>	<p>New</p> <p><i>Completion time 18 Months from the date of LOA</i></p>

			2(two) set of 3 phase Bus PT - 5 limb, (One set each for Main Bus-I & Main Bus-II) with isolation arrangement along with other required equipment & accessories like Bus Earthing arrangement etc. to complete the system as detailed in the Schedule of Works.	
2	63	<b>Manbazar 132 KV GIS</b>	<p><b>132/33 KV GIS SS comprising of :</b></p> <p><b>a) 132 KV</b> - 2 numbers 132 KV Feeder Bays, 2 number Transformer Bays, 1 no. (One) Bus coupler Bay, 3 phase Bus PT, each for Main Bus-I &amp; Main Bus-II with disconnectors &amp; earth switch, Disconnector with earthing arrangement at both the Main Bus I &amp; II for future extension, Other required equipment &amp; accessories like Bus Earth Switch etc. to complete the GIS system as per requirement and as per technical specifications and as detailed in Schedule of Works.</p> <p><b>b) 33 KV</b> - 36 KV, 25KA - 3sec, 2000A, 2-main bus Indoor GIS type Switchgear Assembly with VCB interrupter and bus earthing arrangement. Main bus , Circuit breaker and other equipment like disconnector etc shall be in SF6 environment with separate gas compartment.</p> <p>Provision of feeder earthing arrangement shall be present.</p> <p>The switchgear shall include Local Control system, Protection &amp; other Relays, annunciation equipment and other accessories complete as per technical specification and requirement comprising of 10 sets of Outgoing Feeder Bays, 1250A Circuit Breaker rating, 2 sets of Power &amp; Earthing Transformer bay, 1250A Circuit Breaker rating, 2 sets of Station service</p>	Existing  <i>Completion time 18 Months from the date of LOA</i>

			transformer / Outgoing feeder bay , 1250A Circuit Breaker rating, 1 set of Bus section Bay along with Bus Coupler bay, 1250A Circuit Breaker rating, 2(two) set of 3 phase Bus PT - 5 limb, (One set each for Main Bus-I & Main Bus-II) with isolation arrangement and other required equipment & accessories like Bus Earthing arrangement etc. to complete the system as detailed in the Schedule of Works.	
3	63	<b>Birlapur 132 KV GIS</b>	<p><b>132/33 KV GIS SS comprising of :</b></p> <p><b>a) 132 KV:</b> 145KV, 31.5KA for 3sec, 2000 A Double Bus Bar, 3phase / one phase encapsulated GIS suitable for cable entry. The GIS equipment includes Local Control Cubicle (LCC) with all required accessories (BCU to be located at LCC panel itself) and Gas monitoring system. The complete system shall be as per technical specification and requirement comprising of 2 numbers 132 KV Feeder Bays, 2 number Transformer Bays, 1 no. (One) Bus coupler Bay, 3 phase Bus PT, each for Main Bus-I &amp; Main Bus-II with disconnectors &amp; earth switch, Disconnector with earthing arrangement at both the Main Bus I &amp; II for future extension and other required equipment &amp; accessories like Bus Earth Switch etc. to complete the GIS system. and as detailed in Schedule of Works.</p> <p><b>b) 33 KV:</b> 36 KV, 25KA - 3sec, 2000A, 2-main bus Indoor GIS type Switchgear Assembly with VCB interrupter and bus earthing arrangement. Main bus , Circuit breaker and other equipment like disconnector etc shall be in SF6 environment with separate gas compartment. Provision of feeder</p>	Existing  <b>Completion time 12 Months from the date of LOA</b>

			earthing arrangement shall be present. The switchgear shall include Local Control system, Protection & other Relays, annunciation equipment and other accessories complete as per technical specification and requirement comprising of 12 sets of Outgoing Feeder Bays, 1250A Circuit Breaker rating, 2 sets of Power & Earthing Transformer bay, 1250A Circuit Breaker rating, 2 sets of Station service transformer / Outgoing feeder bay , 1250A Circuit Breaker rating , 1 set of Bus section Bay alongwith Bus Coupler bay, 1250A Circuit Breaker rating, 2(two) set of 3 phase Bus PT - 5 limb, (One set each for Main Bus-I & Main Bus-II) with isolation arrangement and other required equipment & accessories like Bus Earthing arrangement etc. to complete the system as detailed in the Schedule of Works.	
4	63	<b>Hura 220/132 KV AIS substation</b>	Construction of 2 nos. of 132 KV AIS bays at Hura 220/132 KV AIS substation (District – Purulia) as detailed in the Schedule of Works.	Existing <i>Completion time 12 Months from the date of LOA</i>
5	63	<b>Seakole 132 KV AIS substation</b>	Construction of 2 nos. of 132 KV AIS bays at Serakole 132 KV AIS substation (District – 24 Parganas{South}) as detailed in the Schedule of Works.	Existing <i>Completion time 12 Months from the date of LOA</i>
6	63	<b>Indus 132 KV GIS substation</b>	Construction of 2 nos. of 132 KV GIS bays at Indus 132 KV GIS substation (District – Bankura) as detailed in the Schedule of Works.	Existing <i>Completion time 12 Months from</i>



				<i>the date of LOA</i>
6	53		The above scope shall also include supply, delivery, erection, testing and commissioning of Communication System works at linking substations, Establishment of Sub-station Automation System (if applicable) and other allied works as laid down in the bidding documents, Technical Specification and BOQ.	

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

	<b>Particulars</b>	<b>Date &amp; Time</b>
<b>1</b>	<b>Bidding document No</b>	<b>CE (P) / WBSETCL / Sub-stn Pkg-63/18-19/32 DT 06.02.2019.</b>
<b>2</b>	<b>Date of uploading of N.I.T. &amp; other Documents (online) (Publishing Date)</b>	<b>06.02.2019 from 10.00 A.M.</b>
<b>3</b>	<b>Documents download/sell start date (Online)</b>	<b>06.02.2019 from 11.00 A.M.</b>
<b>4</b>	<b>Documents download/sell end date (Online)</b>	<b>01.03.2019 up to 3:00 P.M.</b>
<b>5</b>	<b>Start date of hard copy submission of clarification/pre-bid queries / proposed modifications / additional information (if any)</b>	<b>06.02.2019 from 2.00 P.M.</b>
<b>6</b>	<b>Closing date of hard copy submission of clarification/pre-bid queries/proposed modifications / additional information (if any)</b>	<b>13.02.2019 up to 4.00 P.M.</b>
<b>7</b>	<b>Pre-bid meeting to be held at Office of the Chief Engineer (Procurement), 10<sup>th</sup> Floor, B-Block Bidyut Bhawan.</b>	<b>18.02.2019 at 11.30 A.M.</b>
<b>8</b>	<b>Bid submission start date (On line)</b>	<b>26.02.2019 from 9:00 A.M.</b>
<b>9</b>	<b>Bid Submission closing (On line)</b>	<b>01.03.2019 up to 4.00 P.M.</b>
<b>10</b>	<b>Last Date of submission of original copies for the cost of Bidding Documents and Earnest Money Deposit</b>	<b>05.03.2019 up to 03.00 P.M.</b>

	(Off line)	
11	Last date of submission of the legally enforceable documents as mentioned in General guidelines for e-tendering in sealed envelope.	05.03.2019 up to 03:00 P.M.
12	Bid opening date for Technical Proposals (Online)	06.03.2019 from 4.00 P.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.
15	Cost of Bidding Document (INCLUSIVE OF 18 % GST)	Rs 5900/- (Rs Five Thousand Nine Hundred Only)

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 (Procurement), B- Block, 10<sup>th</sup> Floor, WBSETCL, Bidyut Bhawan on or before **05.03.2019 up to 03.00 P.M.**

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

- 4.0 All bids must be accompanied by bid security for an amount of **Rs 1 Crore 95 Lakh [Rupees One Crore Ninety Five Lakh 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 (Procurement), 10<sup>th</sup> Floor, B-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 given below:**

**CANARA BANK**

**SECTOR III SALT LAKE CITY KOLAKATA 700091**

**ACCOUNT NO: 2549201000230**

## **IFSC CODE CNRB0002549**

### **5.0 Qualifying Requirement for bidders:**

In addition to the requirements stipulated under Section, 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) The bidder, must have successfully erected, tested and commissioned on supply cum erection basis Rated KV or higher KV class complete GIS substation (Normal or Hybrid) as per this tender, including complete design and engineering (both electrical and civil), under Turnkey contract, in India whose Order/Executed value in a single order shall not be less than **Rs 58.70 Crore (Rupees Fifty Eight Crore Seventy Lakh).****

Such complete substation must have at least 5 (five) nos. Rated KV or higher KV class complete bays including two numbers feeder bay and two numbers transformer bay in India during last 5 years from the date of bid submission which must be in successful operation for at least one year from the date of Bid submission. The bidder should submit history of past supply, client's certificate in support of satisfactory operation of rated KV or above KV class gas insulated substation meeting the criteria as mentioned above. Credentials as Joint Venture shall not be considered.

- ii) WBSETCL reserves the right to assess the performance of the bidder having one or more ongoing/commissioned contracts awarded to them by WBSETCL on the basis of its (WBSETCL's) average Vendor Rating Score in respect of erection part of the Contract(s). The average score computed from the marks achieved by the bidder in the last one (1) year from the final date of bid submission of the tender shall not be less than **50** marks.**

Average score is derived by averaging the scores achieved by the bidder in the last 12 months from the final bid submission date. The score of the Bidder shall be as per the "Performance of sub-station Vendor" in each month.

- iii) All equipments including GIS module must be supplied from any of the approved vendors of WBSETCL as available in the makers list uploaded in the company website. A declaration in this regard shall have to be furnished as a supporting document.**
- iv) All GIS equipment offered for this package should have been type tested within the last 10 (Ten) years.**

### **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 experience in execution of such contract of comparable nature. He shall be stationed at work site. **However, installation, testing and commissioning of GIS equipments 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 24.50 Crore (Rupees Twenty Four Crore Fifty Lakh)** only.
- ii) The **average yearly turnover** over the last three financial years shall not be less than **Rupees 97.80 Crore (Rupees Ninety Seven Crore Eighty Lakh)** only.
- iii) **Liquid Asset** must not be less than **16.30 Crore (Rupees Sixteen Crore Thirty Lakh)**. Bidders shall have Liquid Asset (LA) and/or evidence of access to or availability of credit facilities of equivalent amount.

6.0 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.

7.0 Address for Communication :

**The Chief Engineer, Procurement Department, 10<sup>th</sup>.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 : 91-33-23197395/ 91-33-23591956

E-mail : [prebidqueries@gmail.com](mailto:prebidqueries@gmail.com)

**(ONLY FOR PRE BID QUERIES)**

**ANY OTHER COMMUNICATION: [ceprocurement\\_wbsetcl@rediffmail.com](mailto:ceprocurement_wbsetcl@rediffmail.com)**

Website : [www.wbsetcl.in](http://www.wbsetcl.in)