

**BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
SUBCONTRACTS MANAGEMENT
SECTOR-142, EXPRESSWAY NOIDA-201305**



TENDER DOCUMENTS

FOR

**EXECUTION AND HANDING OVER OF SUPPLY, CIVIL, ERECTION,
TESTING AND COMMISSIONING WORK OF 220KV TRANSMISSION
LINE AT NORTH KARANPURA IN JHARKHAND**

CUSTOMER

NTPC LIMITED

TENDER SPEC. NO.: TBSM/NORTH KARANPURA/TL/TENDER/02

DATE: 19.02.2016

TRANSMISSION BUSINESS GROUP

SUBCONTRACTS MANAGEMENT

INDEX

Sl. No.	Description	No. of Pages
1.0	Notice Inviting Tender	09
2.0	Pre-Qualifying Requirements	03
3.0	Procedure for submission of sealed Tenders	02
4.0	Project Information	02
5.0	Health, Safety & Environment specification	06
6.0	Special conditions of contract for Supply	10
7.0	Condition of Contract for Civil Works	70
8.0	Special conditions of contract for Civil Works	13
9.0	Condition of Contract for Erection Works	106
10.0	Special conditions of contract for Erection Works	13
11.0	(Section-1) 1. Scope and Specific Technical Requirements 2. Annexure-I: List of approved vendors 3. Annexure-I: List of drawings/ document to be submitted	38
12.0	Section-2 1. Specification for lattice structure 2. NTPC specification- 220kV transmission line (With OPGW)	54
13.0	Section-3 1. Project Details & General Specification (With NTPC Standard MQP)	50
14.0	BOQ for Supply (Annexure-I)	02
15.0	BOQ for civil Works (Annexure-II)	02
16.0	BOQ for ETC work (Annexure-III)	02
17.0	Summary of Total Price (Annexure-IV)	01
18.0	Integrity Pact	08
19.0	E-Pay Format	01
20.0	No Deviation Certificate	01
21.0	Declaration for relation in BHEL	01



BHARAT HEAVY ELECTRICALS LIMITED
TRANSMISSION BUSINESS GROUP
SECTOR-142, EXPRESSWAY NOIDA, NOIDA-201305

e-mail:-krishna.singh@bhel.in

NOTICE INVITING TENDER

REF.: TBSM/NORTH KARANPURA/TL/TENDER/02,

DATE: 19.02.2016

SUB: TENDER FOR "EXECUTION AND HANDING OVER OF SUPPLY, CIVIL, ERECTION, TESTING AND COMMISSIONING WORK OF 220KV TRANSMISSION LINE AT NORTH KARANPURA IN JHARKHAND"

Dear Sirs,

1. Sealed tenders are invited for the following:

NAME OF WORK	TIME OF COMPLETION	EARNEST MONEY DEPOSIT (Rs.)	TENDER SUBMISSION DATE AND TIME	TENDER OPENING DATE & TIME
Execution and handing over of supply, civil, erection, testing and commissioning work of 220kV transmission line at North Karanpura in Jharkhand	As per special conditions of contract	Rs. 2,00,000/- (In form of DD or Pay Order)	11.03.2016 15.00 hrs.	11.03.2016 15.30 hrs. (Technical bid only) and Price bid opening date will be intimated later to Techno commercially acceptable parties

2. The sealed bid should be dropped in the TBSM Tender Box kept at lobby area in BHEL, TBG office located at 5th floor, Advant Navis IT Business Park, Plot No-7, Sector-142, Expressway Noida, Noida-201305 (UP). In case of bid documents are bulky and cannot be dropped in the TBSM tender box, the same can be handed over to Sh. Krishna Swaroop Singh, DGM (TBSM) or Sh. Nandlal Verma, Dy. Manager (TBSM).

3. TITLE & ADDRESS FOR SUBMISSION AND OPENING OF TENDER:

TENDER SPEC. NO.: TBSM/NORTH KARANPURA/TL/TENDER/02, DATE: 19.02.2016

TO,

**KRISHNA SWAROOP SINGH
DGM (TBSM)**

**BHARAT HEAVY ELECTRICALS LIMITED,
TRANSMISSION BUSINESS GROUP,
5TH FLOOR, ADVANT NAVIS IT BUSINESS PARK,
PLOT No-7, SECTOR-142, EXPRESSWAY NOIDA,
NOIDA-201305
DISTT- G.B.NAGAR (UTTAR PRADESH)
TELEPHONE: 0120-6748454, 0120-6748440 FAX: 0120-6748579
E-mail: krishna.singh@bhel.in**

3. The prospective bidders who have downloaded the tender documents from our website are requested to send their acknowledgement and willingness to participate in the tender to the undersigned, through fax or email.
4. Offers should be strictly in accordance with the Tender Specifications and General Instructions to Tenderer enclosed herewith.
5. "BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA"

"In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue"

6. The contractor shall give his explicit confirmation without any deviations to the HSE (Health, Safety and Environment) requirements as per enclosed specification No. TBSM-HSE-SPES, Rev-00 Dtd. 28.10.2003. Contractors are also required to furnish details as per Annexure (HSE) to NIT along with their offer. Offers received without compliance & data about HSE requirements are liable to be rejected.
7. All documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.
8. Clarifications, if any, can be obtained from the undersigned but such requests should be submitted well before the due date for submission of tenders. Due date for submission and opening of tenders will not be extended on such grounds.
9. Please note that wherever there is a contradiction between the 'Special Terms & Conditions (Civil/ Erection)' and 'Conditions of contract (Civil/ Erection)', the 'Special terms & Conditions (Civil/ Erection)' clauses shall be governing and binding on the contractor.
- 10. Drawings & FQP enclosed with the NIT (if provided) are for tender purpose only. Drawings & FQP may get change during execution stage and work to be carried as per latest RFC drawings & Field Quality Plan (FQP).**
- 11. Construction/ RFC drawing shall be furnished progressively as per project requirement and no claim towards idling charges/ project overheads etc. borne by the contractor on account of non availability of drawings shall be entertained.**
- 12. Completion period of the work has been envisaged under best possible conditions. Any changes/ deviation during execution shall be dealt as per relevant clauses mentioned in general/ special conditions of contract for civil works.**
13. The Bidders are advised to visit Site to have better understanding of job.
14. The offers of the bidders who are on the banned list as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

15. Technical Bid will be opened in the office of undersigned. If required, technical discussions will be held with only those bidders who have taken any deviations. Bidders representative may be present during technical bid opening for technical discussion, if required. The price bids will be opened subsequently, after Technical Bids of all the bidders have been evaluated and finalized. Bidders should quote their most competitive rates as there will not be any price negotiation. However if felt necessary by BHEL, price negotiation will be held with lowest bidder (L-1) only. IT WOULD BE PREFERRED THAT YOUR OFFER IS WITHOUT ANY DEVIATION w.r.t. TENDER SPECIFICATIONS AND THE SAME MAY BE CLEARLY MENTIONED ON THE COVERING LETTER ACCOMPANYING THE TECHNICAL BID. Offers with deviations are likely to be rejected. However if the bidder insists on any technical or commercial deviations, from the specification and/or tender conditions, the price implication if any, of withdrawing the deviations must be submitted along with the price bid in a separate sealed envelope superscribed "Price Implication for withdrawal of deviations".
16. Bidder shall enter into an INTEGRITY PACT (IP) with BHEL as per enclosed format. The Bidders are required to return this Integrity Pact (IP) alongwith Technical bid (Part -I) duly signed and stamped by the authorized signatory who signs the bid. It may be noted that only those bidders who have entered into such an IP with BHEL would be competent to participate against this tender i.e., entering into this pact is a preliminary qualification for the bidders. The Independent External Monitor against this NIT shall be:
- Shri V.V.R Sastry, Ex-CMD/ BEL
Address:
957, 9th Main
3 Stage, 3 Block
Basaveswara Nagar
Bangalore- 560079
17. Offers will be scrutinized based on the qualifying requirements and only those who are technically and financially capable to execute the Job and who fulfil the Pre-Qualifying Requirements (PQR) are eligible to quote against the above NIT. However, final acceptance of the bidder/ offer shall be subject to acceptance of our customer.
18. In case any adverse information is received concerning performance, capability or conduct of the bidder after issue of tender enquiry, BHEL reserves the right to reject the offer at any stage as deemed fit.
19. All material such as steel, conductor, cement, foundation bolt, coarse/ fine aggregate, bricks etc. required for construction works have to be procured from Customer approved sources only. It will be the bidder's responsibility to get the approval of materials and vendors for all other materials.
20. The purchase preference for central P.S.U.s shall be given as per the prevailing Government policy.
21. Work schedule and the deployment of manpower and T&P resources committed by the contractor in their offer, to match the scheduled completion, shall be submitted by contractor and mutually agreed with site In-charge immediately after the award of work. Further, the contractor shall mobilise at site within two weeks of award of work.
22. In case an offer is not being submitted by the prospective bidders against this tender, they may send their "regret" letter to this office, for information.

23. Details of qualifying work(s) executed by the bidder will be forwarded to the principal employer for verification of the work with respect to completion, commencement & completion date and value of the work executed. Performance feedback of the bidder will also be sought from the principal employer.
24. The bidder representative may be called for discussion with the committee. His originals may be verified by the committee. In addition to above their organisation chart and detail list of manpower, tools & plants and technical capability will be discussed and ascertained by the committee.

Thanking you,

Yours faithfully,
For and on behalf of BHEL,

(Krishna Swaroop Singh)
DGM /TBSM

TO BE FILLED BY TENDERER

Certified that General Instructions and Information for tenderer have been read/ complied/ agreed to and each page of tender offer has been initialled and stamped.

(Signature of Tenderer)

Name and Designation of Authorised person (s)
Signing the tender on behalf of the tenderer.

GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION (RA)

Against this enquiry for the subject item/ system with detailed scope of as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure VI) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, the bidder has to quote total Price inclusive of all taxes and duties except service tax for the subject work in Indian Rupees (INR), which is to be worked out as per the BOQ (Rate Schedule) given in tender enquiry and subsequent changes made, if any.
8. Evaluation will be done on total value of the work bid.
9. Reverse auction will be conducted on scheduled date & time.
10. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
11. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
12. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.

13. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction“, which will be communicated before the Reverse Auction.
14. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
15. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
16. In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

Authorization of representative who will participate in the on line Reverse Auction Process:

1	NAME & DESIGNATION OF OFFICIAL	
2	POSTAL ADDRESS (COMPLETE)	
3	TELEPHONE NOS. (LAND LINE & MOBILE BOTH)	
4	FAX NO.	
5	E-MAIL ADDRESS	
6	NAME OF PLACE / STATE / COUNTRY, WHEREFROM S/HE WILL PARTICIPATE IN THE REVERSE AUCTION	