

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



TENDER DOCUMENTS

FOR

RECEIPT OF EQUIPMENT/MATERIAL AT SITE, UNLOADING, RECONCILIATION, INSPECTION, VERIFICATION, STORAGE, UP-KEEPING DURING STORAGE, ERECTION, TESTING, COMMISSIONING AND HANDING OVER OF 400/220/132KV GIS SUBSTATION AT SHAMLI IN UTTAR PRADESH.

CUSTOMER

M/S U.P. POWER TRANSMISSION CORPORATION LIMITED

TENDER SPEC. NO.: TBSM/SHAMLI /ETC /TENDER /19-20

DATE: 17.10.2019

TRANSMISSION BUSINESS GROUP
SUBCONTRACTS MANAGEMENT
INDEX

Sl. No.	Description	No. of Pages
1.0	Notice Inviting Tender	08
2.0	Pre-Qualifying Requirements	02
3.0	Procedure for submission of sealed Tenders	02
4.0	Project Information	01
5.0	Health, Safety & Environment specification	18
6.0	Condition of Contract for ETC Works	106
7.0	Annexure to conditions of contract for ETC Works	17
8.0	Annexure A of Clause No L of Annexure to GCC for ETC- “BHEL Conciliation Scheme”	11
9.0	BOQ, price schedule & Summary for ETC works (Annexure- I, II & III)	25
10.0	List of enclosed Drawing & Documents (Provisional & Subject to revision during contract stage	01
11.0	Mandatory Spares List (ANNEXURE_SPARES)	12
12.0	STANDARD SCOPE NOTE FOR E.T.C. WORKS	02
13.0	PROJECT SPECIFIC NOTE FOR E.T.C. WORKS	01
14.0	TOOLS FOR GIS ERECTION (TO BE ARRANGED BY GIS SUPPLIER ON RETURNABLE BASIS (Annexure_A)	08
15.0	TOOLS FOR GISTESTING (TO BE ARRANGED BY GIS SUPPLIER ON RETURNABLE BASIS (Annexure_B)	01
16.0	TECHNICAL SPECIFICATIONS FOR HANDLING, ERECTION, TESTING AND COMMISSIONING (Annexure_C)	28
17.0	Procedure for welding of Aluminum buses (Annexure_D)	04
18.0	ELECTRICAL SINGLE LINE DIAGRAM FOR 400/220/132KV GIS SS AT SHAMLI, UP (TB-0-406-510-001)	02
19.0	420/220/132KV GIS SS ELECTRICAL LAYOUT (PLAN & SECTION) FOR SHAMLI, UP (TB-0-406-510-002)	02
20.0	SINGLE LINE DIAGRAM FOR LT AC & DC SYSTEM AT SHAMLI (TB-0-406-316-011)	01
21.0	500MVA 400/220/33KV ICT-OGA (34640001559)	18
22.0	200MVA 220/132KV ICT-OGA (14630050036)	05
23.0	50MVAR- 400KV LINE REACTOR-OGA(34690002065)	13
24.0	125MVAR-400KV BUS REACTOR-OGA (34690002012)	13
25.0	CONTROL ROOM BUILDING- CONCEPTUAL LAYOUT (TB-2-406-316-004)	02
26.0	CONCEPTUAL LAYOUT FOR 400KV-220KV-132KV GIS BUILDING (TB-1-406-316-005)	05
27.0	400/220/132KV EARTHMAT LAYOUT FOR SHAMLI (TB-0-406-510-007)	01
28.0	OUTDOOR CABLE TRENCH LAYOUT FOR 400/220/132KV GIS SUBSTATION AT SHAMLI (TB-2-406-316-010)	02
29.0	TECHNICAL SPECIFICATION FOR HARDWARE (TB-XXX-618-002a)	05
30.0	N2 FILLING/ VACCUMING/ PURGING AND HEATING (IF REQUIRED) AS PER BHEL BHOPAL PROCEDURE (Annexure_F)	02
31.0	SCOPE OF WORK FOR ILLUMINATION SYSTEM (ANNEXURE_ILLUMINATION)	02
32.0	No Deviation Certificate	01
33.0	Declaration for relation in BHEL	01
34.0	E-payment details	01



BHARAT HEAVY ELECTRICALS LIMITED

TRANSMISSION BUSINESS GROUP

SECTOR-142, EXPRESSWAY NOIDA, NOIDA-201305

e-mail:-paswan@bhel.in

NOTICE INVITING TENDER

REF.: TBSM/ SHAMLI /ETC /TENDER /19-20

DATE: 17.10.2019

SUB: TENDER FOR "RECEIPT OF EQUIPMENT/MATERIAL AT SITE, UNLOADING, RECONCILIATION, INSPECTION, VERIFICATION, STORAGE, UP-KEEPING DURING STORAGE, ERECTION, TESTING, COMMISSIONING AND HANDING OVER OF 400/220/132KV GIS SUBSTATION AT SHAMLI IN UTTAR PRADESH".

Dear Sirs,

1. Sealed tenders are invited for the followings :-

NAME OF WORK	TIME OF COMPLETION	EARNEST MONEY DEPOSIT (Rs.)	TENDER SUBMISSION DATE AND TIME	TENDER OPENING DATE & TIME
Receipt of equipment/ material at site, unloading, reconciliation, inspection, verification, storage, up-keeping during storage, erection, testing, commissioning and handing over of 400/220/132kV GIS substation at Shamli in Uttar Pradesh	31.10.2020	Rs. 5,77,070/- As per Annexure to conditions of contract for erection works	08.11.2019 14.30 hrs.	08.11.2019 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. Mukesh Paswan, Sr.DGM (TBSM) or Sh. Gyanaranjan Dalei, Dy.Mgr. (TBSM).

3. Offers can also be sent by courier/ registered post at the below address:

TENDER SPEC. NO.: TBSM/SHAMLI/ETC /TENDER /19-20,

DATE: 17.10.2019

TO,

**Mukesh Paswan
Sr. 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, 6748448, Mob. - 09560989092/9711297880 FAX: 0120-6748579

E-mail: tbsm@bhel.in

4. 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.
5. Offers should be strictly in accordance with the Tender Specifications and General Instructions to Tenderer enclosed herewith.
6. "BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer 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.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. **The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.**

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

7. 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/NIT-01, Rev-00 Date 03.05.2019. 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.
8. All documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.
9. 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.
10. Please note that wherever there is a contradiction between the 'Annexure to conditions of contract for erection works' and 'Conditions of contract for erection works', the 'Annexure to conditions of contract for erection works' clauses shall be governing and binding on the contractor.
11. **Drawings/ Documents & 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).**
12. **Construction/ RFC drawing/ Fronts 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/ fronts shall be entertained.**
13. **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 erection works.**

14. ***"In case this tender is awarded to first time contractor*, then the bidder shall be eligible to qualify for the next tender of similar work# of BHEL, TBG; only after successful executing of 50% (fifty percent) of this work prior to the date of next tender (in which bidder desires to quote) and on satisfactory performance feedback by BHEL site Incharge."***

**** First time contractor: The bidder who have not successfully executed more than 50% (fifty percent) of awarded similar work by BHEL (TBG/ ISG/Power Sector/Any BHEL Unit) in last 5 years from date of NIT.***

The bidders who have taken any order from BHEL under 1st time category, and desires to further participate in BHEL tenders, needs to submit a certificate/ undertaking mentioning the reason of not executing 50% of awarded work, hence the criteria under 1st time bidder shall not be applicable to them. The certificate/ undertaking shall be duly certified by Site In charge of BHEL

Similar work: Similar to nature of work of the tender under consideration.

15. The Bidders are advised to visit Site to have better understanding of job.
16. The offers of the bidders who are under suspension 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.
- 1.0 Integrity commitment, performance of the contract and punitive action thereof:
- 1.1. Commitment by BHEL:
- BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.
- 1.2. Commitment by Bidder/ Supplier/ Contractor:
- 1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.
- 1.2.2. The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.
- 1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.
- If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on [www. bhel.com](http://www.bhel.com) and/or under applicable legal provisions".
17. Also, offer of the bidders who are suspended (under hold/ delist) for business dealings by BHEL, TBG shall not be considered. Please note that lifting/ restoration of suspension (Ban/Hold/ De-list) of business dealing is not automatic after expiry of specified suspension period. Hence, vendor shall be considered as suspended for business till suspension is lifted by BHEL in writing on specific request of the vendor as per extant guidelines.
18. BHEL Fraud Prevention Policy, "The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."

19. 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.
20. 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".
21. 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.
22. Any materials (if required) for erection 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 materials.
23. The purchase preference for central P.S.Us shall be given as per the prevailing Government policy.
24. 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.
25. 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.
26. 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.
27. 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,

(Mukesh Paswan)
Sr. 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

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	