



BHARAT HEAVY ELECTRICALS LIMITED
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Tender No: NIT/E/4100/20171972Y/1**Due Date: 23.09.2017****Sub: BHEL-HEEP/OPEN-TENDER (FBG Sensor Based Dynamic Strain Monitoring System)**

Dear Sir

The Heavy Electricals Equipment Plant (HEEP) located at Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam and gas turbines, turbo generators and so on.

Sealed tenders, with the **Tender No** and **opening date** clearly super scribed on the cover (refer ANNEXURE-C), are invited from manufacturers (registered as well as unregistered) for the supply of the following items.

Tender No	Item Description	Qty (Nos)
NIT/E/4100/20171972Y/1	ZZGR00816019 “(FBG Sensor Based Dynamic Strain Monitoring System)”	1 No

The tender documents can be downloaded from our web site www.bhel.com or www.bhelhwr.co.in or or <http://eprocure.gov.in> and to be submitted with requisite EMD and tender fee. Relevant specifications & drawings of the above items could be made available prior to due date against copy of NDA & proof of draft of the tender fee in favor of BHEL, Haridwar, however, originals must be submitted with Part-I. **Only those vendors who fulfill the Minimum/Pre Qualifying Requirements & Quality Requirements (as per Annexure-A) will be considered for further technical evaluation.**

This notification has been already published in Indian as well as International News paper. **The last date for taking tender documents shall be 22.09.2017 & opening of each tender shall be 23.09.2017.** Tenders will be received up to 1:45 PM on **23.09.2017** and opened on the same day at 2:00 PM in the Tender Room. **Please note that tender received after due date & time (1.45 PM on 23.09.2017) will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Interested vendors must remit the tender fee of Rs. 2,000/- for indigenous vendors (Rupees Two Thousand or equivalent amount in foreign currency for foreign vendors) against each tender(along with the requisite EMD Rs 40,000/- (Forty thousand or equivalent amount in foreign currency for foreign vendors) in the form of bank draft while submitting the tender documents as detailed in **“GENERAL TERMS & CONDITIONS” (ANNEXURE-B)**, after downloading from either of these web sites. However In case open tender is hoisted on the website(s) and no hard copy of document is provided by BHEL, no tender fee is insisted upon from the bidders as per clause 2.23.5 of Purchase work instruction. Estimated value of tender is approximately Rs 20 Lacs.

- The tenders shall be submitted in two parts, as described below, on or before the due date. (Refer Annexure-C for bid composition and marking of envelope)**
 - Part I – EMD, Tender Fee, Pre-qualification requirement (PQR), Vendor Registration Form & Techno -Commercial Bid along with Annexure-D**
 - Part II – Price Bid**
- (Refer Annexure-C for bid composition and marking of envelope, bids not in line with this will not be considered)**

- **Relevant specifications & drawings** of the above items will be made available only *against copy of NDA & proof of draft of the tender fee in favor of BHEL, Haridwar*, however, originals must be submitted with Part-I. Other cross referred documents can either be physically collected from BHEL, Haridwar or can be obtained by email skmarndi@bhelhwr.co.in or dbhatt@bhelhwr.co.in against proof of draft of the tender fee in favor of BHEL, Haridwar. This Tender fee draft & NDA are to be submitted along with Part-I (Techno-commercial) bid. Amendments/Corrigendum, if any, will be hosted on our web site only. Other terms and conditions will be as per tender documents.
- **The total quantity may undergo change at the time of ordering.** The details of each item with required deliveries are given in **ANNEXURE-E (Details of Items)**

PRICE BIDS SHALL BE OPENED OF THOSE VENDORS ONLY WHO SHALL SUBMIT EMD AND TENDER FEE (ENVELOP A). *[Please submit separate drafts for EMD and tender fee drawn in favor of BHEL, Haridwar in envelope (called A) super-scribed with bold letters "EMD & Tender Fee" to be submitted with Part-I bid before 1:45 PM on the due date].* The authorized representative should bring authority letter from their parent company (Manufacturer) for attending the bid opening.

KINDLY FOLLOW "GENERAL TERMS & CONDITIONS" (ANNEXURE-B).

Unregistered vendor shall be considered if and only if they meet the minimum qualification requirement and quality requirements as given below.

Following are the mandatory pre-Qualification requirement (Technical) for both the tenders. Offer of vendors not meeting these requirements will not be considered.

Annexure-A

Only OEM or OEM authorized vendor should quote the system. In the latter case, authorization letter must be submitted. Only those vendors (OEM/Authorized vendor), who have supplied at least FBG strain gauge and monitoring system in past two years(on the date of opening of tender) to be reputed institution/organizations and is presently working satisfactorily for more than one year(on the date of opening of tender should quote.

The following information should be submitted by the vendor.

- a) Name of the customer/company where FBG strain gauge and monitoring system has been supplied
- b) Complete postal/email address of the customer/user
- c) PO No, date ,scope of supply and month & year of installation
- d) Name, designation, phone no, email etc. of contact person
- e) Performance certificate and not commissioning report directly from the customer regarding satisfactory performance of the equipment.

Vendors must confirm to above Minimum Qualifying Requirements (Please refer attachment for specification and PQR

1. **Validity of offer:** The offers shall be valid for a period of minimum of 90 days reckoned from the date of Part-I- Technical bid opening date. The rates so agreed shall be valid till completion of the contract or any extension thereof agreed with mutual consent.

NOTE: The requirement of individual items may be quite different - depending on confirm order by BHEL, changes in production schedule, customer requirements & other contractual issues etc. To cater this situation, it is proposed that full flexibility shall be available to BHEL to alter the quantity of item.

2. **Clause by Clause acceptance :** All testing requirement/general requirements as called in the purchase specification GRI/27/02/17-18 dated 01.08.2017 and bring out clearly deviations if any from Terms and Conditions contained in this annexure-A(For import suppliers) and Annexure –B (for indigenous suppliers)

Standard Instructions:

Guarantee Certificate required.

Test certificate required .

Annexure-C

DETAILS OF COMPOSITION OF PART-I (Techno commercial bid and vendor registration form)& PART-II(Price bid)

Part-I – Techno commercial bid(shall comprise of the following documents.

1. Confirmation to Pre/Minimum Qualification Requirement along with supporting documents.
2. Complete technical offer as per specification, drawings, technical requirement along with unpriced bid giving FOB or C&F term and delivery schedule.
3. Deviation with reference to specification/drawing, if any, should be clearly indicated on a separate sheet.

SRF-Foreign suppliers or SRF-Indian suppliers. The SRF(as applicable) dully filled up will be assessed for manufacturing capability quality systems being followed ,organization soundness and financial worthiness . The same shall be submitted with part-1(Techno commercial bid) by unregistered vendor only with BHEL ,HEEP,Hardwar/ can be submitted online also at <http://suppliers.bheltry.co.in/>.

PART –II (Price Bid) (to be submitted in separate envelope with Part-I)

1. Price bid with prices to be submitted as part-II of the tender.
2. Prices should remain firm till the execution of the order.
3. In case of foreign vendors, prices to be quoted on FOB & C&F Mumbai (India) basis separately. In case of FOB, Loading port must be mentioned. Please note that **Ex-Works** price are **not** acceptable & offer may not be considered. In case of Indigenous vendor, prices must be quoted on FOR- Destination- CPS-HEEP-BHEL basis.
4. Insurance – Marine in case of foreign vendor & inland in case of Indigenous vendor shall be taken care by BHEL.
- a) Prices are to be written in both Figures & Words. In case of any difference between the two, the figure written in words shall be considered for evaluation. **No over writing in this is acceptable.**

MARKING OF ENVELOPE:

- Each envelope below is also to be super-scribed as “TENDER NO.-----DUE ON -----”
- Drafts for Tender Fee & EMD to be kept in one envelop marked **Envelope –A**. On the Top of the envelope, please write Draft No., Issuing Bank Details & Amount.
- Techno commercial bid –Part-1 to be kept in another envelope. Envelope B and marked as Techno commercial offer.
- Vendor registration form to be kept in another envelope-envelope C and to be marked as vendor registration form.
- Price Bid i.e. Part-II to be kept in another **Envelope-D** & to be marked as “**PART-II (Price Bid)**”.
- **Envelope A, Envelope B, Envelope C and Envelope D to be kept in one big envelope and to be marked (super-scribed) as “TENDER NO.-----DUE ON -----”**
- **Envelops not marked as above are liable to be ignored and will not be opened.**

TERMS AND CONDITIONS OF REVERSE AUCTIONING

Against this enquiry for the subject item /system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING ON INTERNET.

- For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
- 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.
- BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
- Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
- Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event.
- BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
- Reverse auction will be conducted on scheduled date & time.
- At the end of Reverse Auction event, the lowest bidder value will be known on the network.
- The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
- Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
- 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.

Annexure-B**GENERAL INFORMATION**

A	COMMON FOR BOTH INDIGENOUS & FOREIGN VENDORS/SUPPLIERS
1	These general terms & conditions shall apply to all enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, BHEL-Haridwar (hereinafter referred to as BHEL or the Purchaser).
2	Registered Vendors - Are those who are registered with BHEL, Haridwar for tendered items in respective material grade under 'M' code. Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for tendered items in respective material grade. Both Registered & Un-registered vendors shall be considered, if and only if, they meet the minimum qualification requirement and quality requirements as given below. All un-registered vendors shall be approved by BHEL, if found suitable, on the basis of data furnished by them in Supplier Registration Form (SRF) [Website link for SRF for Foreign Vendors or Indigenous Vendors] and Non-Disclosure Agreement (NDA) [email for NDA format: bhojraj@bhelhwr.co.in]
3	ORIGIN OF QUOTATION: The quotation should be preferably from the principal vendor. However tender specific authorized registered agent can also submit the bid on their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers. BHEL will not interact with agents directly and will not entertain any query/clarification from agents.
4	SUBMISSION OF TENDER: Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER: addressed as follows:- Due on _____ Enquiry No. _____ To, THE HEAD OF MATERIAL MANAGEMENT, Heavy Electrical Equipment Plant, Bharat Heavy Electricals Limited, HARDWAR-249403, INDIA. In case of Two Part Bid, technical bid containing technical offer, duly signed; and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. Both envelopes indicating Part-1 or Part-2 as the case may be to be put in a bigger envelope. The quotation must be posted before due date, keeping allowance for postal transit time. Alternatively, the tenders duly sealed and super-scribed as above may be deposited in the Tender Box. Quotations sent by any mode but not received in time will be ignored. Tender received through E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the vendor, sent through any mode. The bid/offer must be ink signed in original. In case of offers through Email, offer should be sent at the email id mentioned in the NIT (ink signed offer must be submitted subsequently). Bids without ink signed will be out rightly rejected. The offers of the bidders who are on the hold/delisted/ banned list and also the offers of the bidders, who engage the services of the hold / delisted / banned firms, shall be rejected. The cutting/overwriting in the bid / offer must be duly attested by the signatories to the offer. The list of firms banned by BHEL is available on BHEL web site www.bhel.com.
5	TENDER OPENING: Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating vendors are allowed to attend tender opening. TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES. HOWEVER, LATE OFFER RECEIVED AGAINST SINGLE TENDER MAY BE CONSIDERED. The suppliers or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender specific letter, for price bid opening on that particular day. General authorization letter is not acceptable.
6	RISK PURCHASE: In case of delays in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, the purchaser may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. If Vendors do not agree to the above RISK PURCHASE CLAUSE and in eventuality of RISK PURCHASE, may be banned for business with BHEL.
7	INCIDENTAL CHARGES: The vendor shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement /submission of BG/refund of amount paid.
8	FORCE MAJEURE CLAUSE: Either party shall be entitled to suspend performance of his obligations under the contract to the extent that such performance is impeded or made unreasonably onerous by any of the following circumstances: fire, war, flood, riots, earthquake etc. or any other circumstances beyond the control of BHEL which inter alia include cancellation, suspension of order by our customer.

	The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances. If force majeure prevents the purchaser from fulfilling his obligations, he shall not be forced to compensate the contractor for expenses. Regardless of what might otherwise follow from these general conditions, either party shall be entitled to terminate the contract by notice in writing to the other party if performance of the contract remains suspended under Clause Force Majeure for more than 6 months.
9	SPECIFICATION: Please give your detailed specification in the quotation along with relevant technical literature/catalogue etc. against our tender specifications.
10	QUALITY REQUIREMENT: Your quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable) (V) Refer Annexure-I.
11	VALIDITY: The quotation should be valid for a minimum period of 120 days, effective from the date of opening of tender.
12	RIGHT OF ACCEPTANCE: BHARAT HEAVY ELECTRICALS LIMITED HARDWAR reserves the right to reject any or all the quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Vendors should be prepared to accept order for reduced quantity without any extra charges. Vendor should also be prepared for giving quantity discount in case of increase in quantity. Any discount / revised offer submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders. Unsolicited discounts / revised offers given after Part-1 bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the enquiry. In case of changes in scope and / or technical specification and / or commercial terms & conditions, having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for, then latest price bid shall prevail. However in both situations, original price bid will be necessarily opened. The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned along with his price bid within 30 days of contract finalization date. No interest will be payable on EMD amount. EMD shall however be forfeited in the event of bidder opting out after tender opening Reverse Auction: The enquiry can be finalized through Reverse Auction. BHEL reserves the right to reject the offer in case of non-acceptance of this clause. In case BHEL decides to open the sealed paper price bids, bids of all the techno-commercially acceptable bidders will be opened on the assigned date.
12	BANK GUARANTEE: All bank guarantees for Security Deposit as well as Performance Bank Guarantee of the requisite value in the denominated currency of the purchase order should be from one of the BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the vendor has to get the bank guarantee confirmed from one of the BHEL consortium banks and the bank charges are to be borne by the vendor. If any vendor does not accept this condition, their offer is likely to be ignored.
13	EMD & TENDER FEE: Offers must be accompanied with requisite EMD and Tender Fee except in the case of MSE vendors (applicable for 'Indigenous vendors' registered under MSMED Act-2006). The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned along with his price bid. No interest will be payable on EMD amount. EMD shall however be forfeited in the event of bidder opting out after submission of the bid.
14	STATUTORY REQUIREMENTS: The Vendor should mention the PAN, Excise Registration No., TIN, Service tax Registration No. , as the case may be, on the documents and Bank Details as per BHEL e-Payment format along with the cancelled cheque; provided to BHEL for payment purpose. Any document if identified as "AWAITED" against any of the items above, has to be submitted by the vendor in 4 sets along with their offer, for one-time approval by BHEL. Each document must be identified with a unique document no and its revision no. Where ever national/international (N/IN) standards are referred, the latest N/IN standard & are to be followed. Mention year & date of standard revision that shall be followed for the supply.
15	No representation about the freight amount taken by BHEL will be entertained.
16	The offer should be accompanied with relevant copies of catalogues, drawings or specification. If these documents are not furnished the offer is liable to be rejected.
17	In case you are not quoting, please send your regret letter positively for our reference with valid reasons for not participating in the Tender. Repeated lack of response on the part of vendor may lead to his deletion from BHEL's approved vendor list.
18	The bidders will submit Integrity Pact, duly signed by its authorized signatory, where called for in the enquiry.

19	Wherever the enquiry is issued to unregistered vendor, the bidder shall submit duly filled-in Supplier Registration Form (SRF) along with the bid. Bidders can download the SRF from www.bhel.com . Price bids of such vendors will be opened only on techno-commercial acceptance of bid.
20	The Purchaser can consider awarding tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders) in the manner and proportion disclosed in the tender conditions. Purchaser can also consider awarding of part of the tendered quantity to other than L-1 bidder at L1 counter offered rates, if the quantity offered by the L-1 bidder is less than the quantity tendered for.
21	Delivery Schedule & Completion date: - Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone. - Seller shall deliver the goods in the manner and schedule agreed under the Purchase order.
22	Transit Insurance: Except where delivery terms are agreed on CIF basis for Imports, transit insurance will be covered by BHEL under its open Marine Insurance Policy. Seller shall inform dispatch particulars with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.
23	Non-Disclosure Agreement: All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.
24	Guarantee / Warranty and Corresponding Repairs / Replacement of Goods: Goods shall comply with the specifications for material, workmanship and performance. The warranty shall be for a period of 12 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at purchaser's / his subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by the purchaser.
25	<u>BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.</u>
B	PRICES:
Common for both Indigenous & Foreign Vendors/Suppliers	
	Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
	Please confirm that prices quoted are not more than the prices quoted to any other BHEL unit.
For Indigenous Vendors/Suppliers	
	Prices should be quoted on F.O.R. Destination basis. Quotations on other than FOR destination basis are liable to be rejected.
	Except delivery on FOR destination basis, Transit Insurance shall be taken care of by BHEL.
	In case of Indigenous Items covered by DGS&D Rate Contract, the vendors should submit latest valid copy of the rate contract along with quotation.
	Applicable Sales Tax, Excise Duty and any other statutory levy should be indicated separately and clearly in the quotation.
	Vendors can dispatch goods through any BHEL/Indian Bank Association approved transporters having their branch at Hardwar/destination. For your convenience the names and addresses of transporters approved by IBA & BHEL are posted at our website http://www.bhelhwr.co.in . If material is dispatched through other than BHEL approved transporter, material to be delivered on door delivery BHEL Stores basis.
	The bid will be evaluated on the basis of delivered cost (i.e. Total Cost) to BHEL. If any bidder still quotes on other than FOR destination basis then his offer will be loaded for freight, packing and forwarding charges etc. No representation about the freight amount taken by BHEL will be entertained. Further non-availability of BHEL approved transporter will not be accepted for rescheduling the delivery or waiver of penalties.
	In case of dispatch of material through any unapproved transporter, payment shall be made only after receipt of material and any additional charges payable to the transporter shall be to the vendor account.
For Foreign Vendors/Suppliers	
	Vendors to quote their prices on FOB dispatching port in Euro/USD/JPY only. However vendor may opt to quote their rates with both the options (a) C&F Landing Port & (b) FOB dispatching port. In case of FOB dispatching port, BHEL will add sea freight, insurance and administrative charges for comparison purpose. BHEL reserves the

	right to accept/reject the offers of the vendors not quoting FOB prices. The bids will be evaluated on the basis of delivered cost i.e. Total Cost to BHEL. Basis of evaluation for quotation in foreign currency: Currency exchange rate for evaluation of the quotation received in foreign currency will be as follows: A. Single part bid – Date of tender opening. B. Two / Three part bid – date of part 1 opening. C. Reverse auction – Date of part-1 opening. For evaluation, exchange rates (TT selling rates of SBI) as on scheduled date of tender opening (Part 1 bid in case of two part bid), shall be considered. Evaluation of Indian Agents Commission: BHEL prefers to deal directly with Foreign vendor, wherever required, for procurement of Goods. However if the Foreign Principal desires to avail services of an Indian Agent, then the Principal should ensure compliance to “regulatory guidelines” which will require submission of an agency agreement. The FOB / CIF price quoted will be deemed to be inclusive of Indian Agency commission. Agency commission if payable, as disclosed by the bidder in his quoted FOB / CIF price will be paid in Indian Rupees on receipt & acceptance of Materials or it's installation at destination, as the case may be. The lower of the TT buying rate prevailing on the date of technical bid opening shall be considered for computation of Agency commission. In a tender either the Indian Agent on behalf of Principal / OEM or the Principal / OEM itself can bid, but both cannot bid simultaneously for same item / product in the same Tender. If both OEM and its authorized agent submit their bids separately in that case only the offer of OEM can be considered as an exception. The vendor must indicate the Name of Port of Loading in their offer. While submitting your bids please clearly indicate: (a) Expected Weight of goods (lots wise). (b) The size of packed goods. (c) Whether the goods can be dispatched in containers?
C	PAYMENT TERMS:
	Common for both Indigenous & Foreign Vendors/Suppliers
	BHEL's standard payment term is Payment After Receipt and Acceptance of Material/Item at HECP, BHEL-Store. BHEL reserves the right to accept or reject the offer of the vendor who quotes the payment term other than BHEL's standard payment term. In case BHEL accepts any deviation from above payment term then loading will be done to evaluate the L-1 status of the vendor as under for payments to be done through Bank. • Loading for period of relaxation: Base rate of SBI (as applicable on the date of bid opening; Techno-commercial bid opening in case of two part bids) + 6%, shall be considered for loading for the period of 2 months for foreign vendors and 1 month for indigenous vendor (if applicable). • Documentation charges as Rs 1500 shall be loaded for foreign vendors and bank charges @0.8% subject to maximum of Rs 6000 shall be loaded for Indigenous vendors. • LC opening charges, if applicable, shall be loaded @0.02% per quarter.
	Please note that BHEL does not open confirmed LC, even if vendor bears all the LC related bank charges.
D	DELIVERY TERMS
	Indigenous Purchase: Goods shall be delivered on 'FOR Destination' basis to the named destination unless otherwise called for in the enquiry. Foreign Purchase: 1. Goods shall be dispatched by sea, unless stated otherwise in the enquiry or purchase order. 2. Unless CIF / CFR deliveries are called for in the enquiry, the goods shall be delivered on FOB basis to the named Gateway Sea Port or FCA basis to the named Airport, if air freight is called for. 3. Goods shall be handled for ocean freight / air freight by BHEL's freight forwarder only, under FOB contracts and OBL / HAWB issued by BHEL appointed forwarder or his authorized agent(s) shall only be accepted for negotiation. 4. In the event of bidder offering CFR or CIF delivery terms for delivery in FCL (Full Container Load), the Bidder shall provide 14 days' time free of detention from the date of delivery at delivery port. Wherever the detention free period offered is less than 14 days, the bids shall be loaded for the period short of 14 days period. 5. Port congestion charges or any additional charges claimed by shipping line till delivery at destination port shall be to the Seller's account.
E	LATE DELIVERY PENALTY CALUSE
	Common for both Indigenous & Foreign Vendors/Suppliers

	Date of delivery will be considered as per the delivery terms mentioned in the Purchase Order. Penalty will be applicable on basis of the items specified in the enquiry i.e. individual items, set wise, total items together. BHEL will levy a penalty for unexecuted portion /set value / PO value (as may be applicable) @0.5% per week or part thereof subject to maximum of 10% of the unexecuted portion /set value / PO value (as may be applicable). Acceptance / Non Acceptance of this CONDITION must be specifically mentioned in your quotation. Any deviation from this will be loaded accordingly i.e. BHEL shall load maximum penalty under Late Delivery Clause, to the extent the same is not agreed by the vendor, for the purpose of comparative statement. Where deliveries quoted by Vendors are not suiting, BHEL may also ignore the offer of the vendor. Further non-availability of ship will not be accepted for rescheduling the delivery or waiver of penalties. Where deliveries quoted by Vendors are not suiting, BHEL may also ignore the offer of the vendor.																								
For Indigenous Vendors/Suppliers Only																									
	In case of payment through bank, and as per the delivery terms mentioned in the Purchase Order, Terms being, "FOR destination/ FOR Haridwar/ FOR Transporter Godown", date of delivery date for the LD/ penalty purpose will be considered as : GR Date + 10 days																								
For Foreign Vendors/Suppliers Only																									
	In case of delivery terms being "C&F / CIF" delivery date for penalty purpose will be - Bill of Lading Date																								
	In case of delivery terms being "CPT" delivery date for penalty purpose will be - Date of Air way bill																								
	In case of delivery terms being "FOR destination / FOR Haridwar / FOR Transporters Godown" delivery date for penalty purpose will be considered as follows: ❖ In Case of Despatch by Sea: BL date ❖ In Case of Despatch by Air: AWB date																								
F	INSURANCE DECLARATION:																								
	Vendor will submit details of dispatches in the following format at email ID hwfaxfp@bhelhwr.co.in .																								
	For imported supplies:																								
	<table border="1"> <thead> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th></tr> </thead> <tbody> <tr> <td>Bill of Lading/ Air way BillNo.</td><td>Date of Bill of Lading/ Air way Bill no.</td><td>Vessel Name</td><td>Voyage Start from</td><td>Voyage destination to</td><td>Material Description</td><td>Purchase Order Number</td><td>CURRENCY OF PURCHASE ORDER</td><td>PO DELIVERY Terms (FOB/CIF)</td><td>INVOICE NUMBER</td><td>INVOICE DATE</td><td>INVOICE VALUE</td></tr> </tbody> </table>	1	2	3	4	5	6	7	8	9	10	11	12	Bill of Lading/ Air way BillNo.	Date of Bill of Lading/ Air way Bill no.	Vessel Name	Voyage Start from	Voyage destination to	Material Description	Purchase Order Number	CURRENCY OF PURCHASE ORDER	PO DELIVERY Terms (FOB/CIF)	INVOICE NUMBER	INVOICE DATE	INVOICE VALUE
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G	SETTLEMENT OF DISPUTES:																								
For Indigenous Vendors/Suppliers Only																									
	In all cases of dispute the matter shall be referred for ARBITRATION to any Arbitrator to be appointed by the Executive Director or any officer who is the administrative head of Bharat Heavy Electricals Ltd., at Haridwar. The award of the Arbitrator shall be final and binding on both the parties. The Arbitrator shall have the power to extend, from time to time, the time for making his award with the consent of the parties. All question, disputes or differences arising under, Out of or in connection with the Purchase Order shall be subject to the exclusive jurisdiction of Haridwar Courts.																								
For Foreign Vendors/Suppliers Only																									
	In case of event of any dispute or difference arising between parties regarding order execution of the same or their respective rights and liabilities there under, the same shall except otherwise expressly provided therein, be referred to the arbitration of two arbitrators, one to be appointed by each party, or in the case of the said arbitrators not agreeing them an umpire to be appointed by the two arbitrators in writing before entering of that reference and provisions of the Arbitration and Conciliation Act 1996 or any statutory notification, or reenactment therefore and rules framed there under from time to time shall apply to such arbitrations. If two arbitrators do not agree on the appointment of umpire, it (the nomination of the umpire shall be done by the international chamber of commerce, Paris (France). The decision of arbitrators, or in case of their not agreeing, that of the sail umpire shall be binding both on seller and purchaser. The venue of the arbitration shall invariably be New Delhi (India).																								
H	TAXES & DUTIES:																								
For Indigenous Vendors/Suppliers Only																									

	- Your Sales Tax Registration Number should be clearly mentioned on your quotation. In case you are not registered with Sales Tax Authorities, the same should be indicated with reasons thereof. - The Seller shall clearly indicate extent of taxes as applicable in his technical bid. In the event of vendor failing to furnish valid CENVAT invoices, amount corresponding to CENVAT will be disallowed by BHEL while making payments. - E1/E2 forms are to be submitted by vendor for direct despatches to Customers. The forms are to be submitted within 30 days of receipt of photocopy/scan copy of C-form. Other statutory declaration forms are also to be submitted in time, as mentioned in the relevant Laws. BHEL reserves the right to withhold the payment due to the vendor equivalent to BHEL's tax and related liability thereon. <u>Payment of VAT will be considered on submission of proof of payment of VAT along with periodic Tax returns with acknowledgement mentioning BHEL's purchases.</u>
For Foreign Vendors/Suppliers Only	
	Where ever the material being offered is imported & the prices quoted are inclusive or exclusive of CVD, the rate & value of CVD and any other taxes and duties as applicable for each item must be indicated. The offer is liable to be ignored in absence of this information. Moreover the Applicable Indian Taxes (like Service Tax & TDS etc) on Service Portion of Order Value shall be borne by the Vendor. If PAN (Permanent Account Number) of the recipient is not available, tax is deductible either at the normal rate or at the rate of 20 percent, whichever is higher. As per Section 206AA of the Act.
I	MISCELLANEOUS TERMS & CONDITIONS:
For Indigenous Vendors/Suppliers Only	
	For Micro & Small Enterprises (MSE's): Clearly state your status regarding Micro, Small and Medium Enterprises as per the Micro, Small and Medium Enterprises Development Act-2006 by producing relevant certificate. In case of an MSE vendor (Including SC/ST vendors) in this tender, the procurement will be as per GOI's laid down procedure. A certificate based on the previous year's audited accounts is to be enclosed from the Chartered Accountant (CA) with the offer, verifying present MSE Status; else MSE benefit will not be extended.
For Foreign Vendors/Suppliers Only	
	As per the Indian Law, all consignments being imported into India by air/sea require a phytosanitary certificate from the country of origin-if articles have been packed with packaging materials. This is mandatory. Please confirm in your offer/dispatch documents that the required phytosanitary certificate will be submitted. Packaging material means any kind of material of plant origin used for packing which include hay, straw wood shavings, wood chips, saw dust, wood waste, wooden pallets, dunnage mats, wooden packages, coir pith, peat or sphagnum moss etc. Specifically confirm your agreement to air freight the material at your cost.
	If the war like situation has developed in a country where a vendor's works involved in this tender is located or there is political instability and Indian Embassy located in that country forbids dealing with the said vendor or advises for not having any business dealing with vendor located in such zone / region/ country, then BHEL reserves the right not to consider the offer of such a vendor or to cancel the order in case the order has already been placed and suspend further dealings till normalcy in the country/ region is confirmed by Indian Embassy.
J	TERMS AND CONDITIONS OF REVERSE AUCTIONING
	Against this enquiry for the subject item /system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING ON INTERNET. - For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate. - 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. - BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained. - Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through service provider for compliance. - Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event. - BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction. - Reverse auction will be conducted on scheduled date & time. - At the end of Reverse Auction event, the lowest bidder value will be known on the network. - The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail. - Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender

	process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure. 11. 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. 12. 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. 13. 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. 14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party. 15. 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.
--	--

IN CASE YOU ARE NOT MAKING AN OFFER AGAINST THIS ENQUIRY, THEN PLEASE ARRANGE TO SEND A LETTER OF REGRET IF YOU HAVE COLLECTED THE TENDER DOCUMENTS FROM BHEL.

Thanking You,
Yours faithfully,

For & on behalf of BHEL, Hardwar.

Signature With Stamp

ANNEXURE-D**COMPLIANCE SHEET FOR TECHNICAL/COMMERCIAL TERMS AND CONDITIONS**

BHEL Standard Terms	Vendor's Acceptance
1. Two-Part Tender:- Please confirm to submit your bid in two parts and each bids consists of following I) Part-I : - PQR , EMD, Tender Fee, NDA, Technical + Unpriced Bid & other documents asked in Annexure-C II) Part-II : - Price Bid	
2. Payment terms: (Common for both Indigenous & Foreign Vendors/Suppliers) BHEL's standard payment term is Payment After Receipt and Acceptance of Material/Item at HEEP, BHEL-Store. BHEL reserves the right to accept or reject the offer of the vendor who quotes the payment term other than BHEL's standard payment term.	
In case BHEL accepts any deviation from above payment term then loading will be done to evaluate the L-1 status of the vendor as under for payments to be done through Bank. I) Loading for period of relaxation: Base rate of SBI (as applicable on the date of bid opening; Techno-commercial bid opening in case of two part bids) + 6%, shall be considered for loading for the period of 2 months for foreign vendors and 1 month for indigenous vendor (if applicable). II) Documentation charges as Rs 1500 shall be loaded for foreign vendors and bank charges @0.8% subject to maximum of Rs 6000 shall be loaded for Indigenous vendors. III) LC opening charges, if applicable, shall be loaded @0.02% per quarter.	
3. Currency of payment:	
4. Exchange rate : (Foreign Purchase) For evaluation of foreign bids, the exchange rates (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid) shall be considered. If the relevant day happens to be a bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken.	
5. TAXES & DUTIES: (Indigenous Purchase) Rate of Excise & Sales Tax must be indicated in your offer even if it is inclusive.	
i. Rate of Excise Duty	
ii. Rate of CST / VAT	
iii. Rate of CVD	
iv. Any Other Duty:	
All statutory taxes, if any, will be deducted at source & to be borne by the beneficiary. Tax deduction certificate shall be issued at the end of financial year if required.	
6. Packing Charges (if any)	
7. Forwarding Charges (if any)	

8. Agency Commission: (Foreign Purchase)

Please confirm if there any Indian agency commission to be paid directly by BHEL. If yes please mention percentage value.

Indian Agents commission if payable shall be converted to Indian Rupees at TT buying rates of exchange ruling on tender opening date (as stated above) which shall not be subjected to any further exchange rate variation.

9. Delivery basis :

Indigenous Purchase: Goods shall be delivered on 'FOR Haridwar' basis.

If any bidder still quotes on other than FOR BHEL Haridwar basis, then its offer will be loaded by maximum freight, packing & forwarding charges quoted by any other bidder from the same or nearby station, against the enquiry / freight rate available at BHEL.

Non-availability of BHEL approved transporter will not be accepted for rescheduling the delivery or waiver of penalties.

Foreign Purchase:**(A) SEA CONSIGNMENTS :**

Please quote your rates with both the options (a) FOB/FAS dispatching port & (b) C&F Landing Port. In case, if any vendor quotes only on C&F basis, the offer is liable to be rejected.

- The import order will normally be placed on FOB / FAS basis as per Govt. guidelines. BHEL will add Freight, Insurance & Administrative charges for comparative statement.

In exceptional cases, the orders can be placed on C&F basis after approval from Ministry of Shipping (Transchart).

(B) AIR CONSIGNMENTS :

Please quote your rates preferably with either of the options

Ex works (b) FCA seller premises (c) FCA dispatching Airport (d) CPT Landing Airport.

Transit insurance will be arranged by BHEL for which immediate intimation of dispatch is required as indicated in purchase order.

10. Delivery Period for Supply: (Indigenous Purchase) Please quote your shortest time period required for supply of material.

(Foreign Purchase)

Earliest Time period required by bidder for supply of material shall be quoted.

Weeks/ Months from the order date on FOB basis =

Weeks/ Months from the order date on C&F basis =

This delivery period shall be linked with BL/AWB date.

- Supply period indicated by bidder should include reasonable time required for manufacturing and FOB/FCA delivery (for shipment and getting BL/AWB, material must be handed over minimum 3 weeks before schedule delivery).
- Where deliveries quoted by Vendors are not suiting, BHEL may also ignore the offer of the vendor.

11. Late delivery penalty Clause: (Common for both Indigenous & Foreign Vendors/Suppliers) Date of delivery will be considered as per the delivery terms mentioned in the Purchase Order. BHEL will levy a penalty @0.5% per week or part thereof subject to maximum of 10% of the PO value. Acceptance of this condition must be specifically mentioned in your quotation. Any deviation from this will be loaded accordingly i.e. BHEL shall load maximum penalty under Late Delivery Clause, to the extent the same is not agreed by the vendor, for the purpose of comparative statement. Where deliveries quoted by Vendors are not suiting, BHEL may also ignore the offer of the vendor. Further non-availability of ship will not be accepted for rescheduling the delivery or waiver of penalties. Where deliveries quoted by Vendors are not suiting, BHEL may also ignore the offer of the vendor. LD shall be applicable on grace period also.	
(Indigenous Purchase) a. Delivery Ex-works:- Date of GR /LR b. Delivery FOR vendor works:- Date of GR/LR c. Delivery FOR BHEL Hardwar/Hardwar:- Date of receipt at BHEL Hardwar (if supply is direct to BHEL) or date of GR + 10 days (if documents are through bank)	
(Foreign Purchase) - In case of delivery terms being "C&F / CIF" delivery date for penalty purpose will be - Bill of Lading Date - In case of delivery terms being "CPT" delivery date for penalty purpose will be - Date of Air way bill/Bill of lading	
12. Authorization for pre-inspection: BHEL is authorized to get pre inspect the material at vendor's works by third party. The material will be dispatched only after getting clearance from BHEL on the pre- dispatch inspection report. The pre-dispatch inspection is required from either of LRS/TUV/BV inspection agency. The offered prices shall be inclusive of inspection charges and offered delivery period must take account inspection time if pre dispatch- inspection is specifically asked in tender enquiry.	
13. Import Supply: (Foreign Purchase) a) As per the Indian Law, all consignments being imported into India by air/sea require a <u>phytosanitary certificate</u> from the country of origin-if articles have been packed with packaging materials. This is mandatory. Packaging material means any kind of material of plant origin used for packing which include hay, straw wood shavings, wood chips, saw dust, wood waste, wooden pallets, dunnage mats, wooden packages, coir pith, peat or sphagnum moss etc. Please confirm in your offer/dispatch documents that the required phytosanitary certificate will be submitted. b) <u>Country or origin certificate:</u> Vendor to furnish the country of origin certificate from Chamber of Commerce with dispatch documents.	
14. Offer Validity: Validity of the offer should be minimum 90 days from tender opening date.	
15. ORDER ACCEPTANCE: Order acceptance (ink-signed) must be submitted within 20 days from the date of PO otherwise it shall be assumed that PO is acceptable to vendor.	

16. Evaluation Criteria: Evaluation of bidders shall be done <i>Material code wise/ itemwise</i> on 'landed cost to BHEL' basis. – BHEL reserves the right to reject offers in case of deviation from above. – Changes in evaluation criteria, if any, shall be informed before price bid opening.	
17. Please note no revision in the prices or submission of supplementary price bid will be allowed during the validity of the offer. However if there is any change by BHEL w.r.t. original specifications/ requirement/ scope/terms and conditions, the bidders may be asked by BHEL to submit only the price impact bid for such changes only.	
18. Origin of Quotation: The quotation should be from the principal/original supplier even if it is submitted through their authorized agents, failing which the quotation is liable to be ignored. Also the name of principal supplier should be indicated on envelop in addition to Enquiry no and due date.	
19. Pl. Confirm that the prices will remain firm during the entire validity and execution of the Project.	
20. Test Certificate as per BHEL Specification / drawing shall be provided along with dispatch documents.	
21. Guarantee certificate as per BHEL Specification shall be provided along with dispatch documents. (if applicable)	
22. Quality Requirements: Please confirm quality requirements given in ANNEXURE-A.	
23. EMD & Tender Fee: BHEL reserves the right to reject the offers of those bidders who have not submitted requisite EMD & tender fee in Part-I. Please confirm submission of the same.	
24. Customer approval: Customer approval of vendors may be required for this case. Hence, the offer of only those vendors shall be considered for this case who are approved by our customer (refer quality requirements in Annexure-A).	
25. Participation through Reverse Auction: Please confirm to participate in Reverse Auction on C&F basis as per Terms & Conditions in Annexure-B (Sl No. J).	
26. Right of acceptance: BHEL reserves the right to increase or decrease the tendered quantities. If any of the projects covered in tendered quantity comes under hold, then corresponding quantity shall be removed from our tender also. Vendor should be prepared to accept order for reduced quantity without any extra charge. Vendor should also be prepared for giving quantity discount in case of increase in quantity.	
Note: Attach separate sheet for additional information if necessary. The above terms & condition supersedes the terms & conditions found contradictory written elsewhere in the tender enquiry and offer of bidder. Vendors are requested to comment on each applicable clause and write as "NA" if not applicable. Please attach this sheet with your techno- commercial offer. No deviation in commercial terms is acceptable. Offers with deviated commercial terms are liable to be rejected. Signature with stamp Name: Designation: Name of Firm: Date:	

Annexure-E

Item Details and Delivery Schedule

Tender No	Item Description	Qty (Nos)
NIT/E/4100/20171972Y/1	ZZGR00816019 <u>“(FBG Sensor Based Dynamic Strain Monitoring System)”</u> The delivery for the item shall be 01/06/2018.	1 No

Enclosed

- 1. Specifications: GRI/27/02/17-18**
- 2. General terms and condition**



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC) For Foreign Bidders (Version June-2017, Rev: 01)

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2. ORIGIN OF QUOTATION.
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6. PRICE SCHEDULE.
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9. PENALTY FOR LATE DELIVERY.
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11. BANK GUARANTEE.
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19. FORCE MAJEURE CLAUSE.
20. NON-DISCLOSURE AGREEMENT.
21. SETTLEMENT OF DISPUTES / ARBITRATION.
22. INFORMATION TO THE BIDDERS.
23. NOTE.

1. GENERAL.

These general terms & conditions shall apply to all the Tender Enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, Haridwar (hereinafter referred to as BHEL or the Purchaser).

2. ORIGIN OF QUOTATION.

- a) The quotation should preferably be from the principal bidder. However tender specific authorized registered dealer / agent can also submit the bid on

their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers.

- b) An agent cannot quote on behalf of more than one principal in the same Tender Enquiry.

3. SUBMISSION OF TENDER.

- a) Bid / Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER / Dropped in the Tender Box: addressed as follows:-

Quotation Against Enquiry No. _____

Dated: _____

Due on: _____

To,
THE HEAD OF MATERIALS MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.

- b) In case of Three / Two Part Bid, technical bid containing technical offer, duly signed; and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. All envelopes indicating Part-1 or Part-2 or Part-3 as the case may be to be put in a bigger envelope. Please note that un-priced bid should be the exact replica of price bid but without prices.
- c) The bid / quotation must be posted before due date, keeping allowance for postal transit time. Alternatively, the tenders duly sealed and superscribed as above may be deposited in the Tender Box. Quotations sent by any mode but not received

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



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in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the bidder, sent through any mode. Documents submitted with the offer / bid shall be signed and stamped in each page by authorized representative of the bidder.

- d) Any additional documents submitted by supplier / bidder, during processing of registration application / tender or after placement of order shall not be accepted unless it is submitted with forwarding letter and duly signed and stamped as mentioned above in clause c.
- e) The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, shall be rejected. The cutting / overwriting in the bid / offer must be duly attested by the signatories to the bid. The list of firms banned by BHEL is available on BHEL web site www.bhel.com.
- f) Being PMD vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion of such PMD vendor from BHEL's approved vendor list.
- g) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 5 Crore or more.
- h) In case of open tender, the unregistered bidder shall submit inter alia duly filled-in Supplier Registration Form (SRF) along with the bid. Bidders can download the SRF from www.bhel.com

- i) BHEL reserves the right to award tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders). BHEL can also consider awarding of part of the tendered quantity to other than L-1 bidder at L1 counter offered rates, if the quantity offered by the L-1 bidder is less than the quantity tendered for.
- j) BHEL may also reduce the Tender Quantity for offering it to Micro & Small Enterprise (MSE) Indian Vendors as per applicable Government of India rules whose prices are within 15% of L1 prices as per directives of Government of India.

4. TENDER OPENING.

Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore bid/quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating bidders are allowed to attend tender opening. **TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.** The bidders or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender specific letter, for price bid opening on that particular day. General authorization letter is not acceptable.

5. SPECIFICATION, DRAWINGS & STANDARD.

- a) Bidders must give their detailed specification in the quotation along with relevant technical literature / catalogue etc. against the tender enquiry.
- b) The Bid should be accompanied with relevant copies of catalogues, drawings or specification as per tender enquiry. If these documents are not furnished, the offer is liable to be rejected.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



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HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC) For Foreign Bidders (Version June-2017, Rev: 01)

- c) Wherever national / international (N/IN) standards are referred, the latest N/IN standards are to be followed. Mention year & date of standard revision that shall be followed for the supply.
- d) All Drawings and Standards are proprietary of BHEL. It must not be used in anyway detrimental to the interest of the company.

6. PRICE SCHEDULE.

- a) Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
- b) Prices quoted should not be more than the prices quoted to any other BHEL units / offices / divisions. Vendor to submit copy of latest Purchase Order placed by any unit of BHEL for similar items in the technical bid. In case no order has been placed on such items, specific confirmation that no order has been placed on such items should be provided.
- c) Bidders need to quote their prices on CFR any sea port in Mumbai or FCA basis to the named airport in Euro / USD / JPY / UK Pound / SF / Singapore Dollar or any other Internationally freely tradable currency only. The name of the currency should be clearly indicated in your bids.
- d) Offers received other than CFR basis may result in non-consideration of such bids.
- e) However if BHEL agrees to accept the FOB condition, to arrive at landed cost at our plant / site, the FOB prices shall be loaded for 3% (of FOB Value) towards marine insurance, port handling charges & inland freight or actual freight / port handling charges as per BHEL contract whichever is higher.

f) Basis of Evaluation for Bid / Quotation in foreign currency:

- I. Currency exchange rate (TT selling rates of SBI) for evaluation of the bid/quotation received in foreign currency will be as follows:
- II. Single part bid – Date of tender opening.
- III. Two / Three part bid – Date of part 1 opening.
- IV. Reverse auction – Date of part-1 opening.

NB: Financial evaluation of L1, L2 ----- status will be on the basis of Landed Cost to BHEL.

g) Evaluation of Indian Agents Commission:

- I. BHEL prefers to deal directly with foreign bidder, wherever required, for procurement of Goods. However if the Foreign Principal desires to avail services of an Indian Agent then the Principal should ensure compliance to applicable guidelines.
- II. The FOB / CIF price quoted will be deemed to be inclusive of Indian Agency commission. Agency commission if payable shall be converted to Indian Rupees at TT buying rates of exchange ruling on tender opening date which shall not be subjected to any further exchange rate variation, as disclosed by the bidder in his quoted FOB / CIF price will be paid in Indian Rupees on receipt & acceptance of Materials or it's installation at destination, as the case may be. The lower of the TT buying rate prevailing on the date of technical bid opening shall be considered for computation of Agency commission.
- III. In a tender either the Indian Agent on behalf of Principal / OEM or the Principal / OEM itself can bid, but both cannot bid simultaneously for same item / product in the same Tender. If both OEM and its authorized agent submit their bids

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

**General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version June-2017, Rev: 01)**

separately in that case only the offer of OEM can be considered as an exception.

h) While submitting your bids please clearly indicate:

- I. Expected weight of goods (lots wise).
- II. The size of packed goods.
- III. Whether the goods can be dispatched in containers?
- IV. Port of Loading.
- V. Port of Discharge.

7. REVERSE AUCTION.

- a) 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 for RA. Detailed guidelines available at our site www.bhel.com
- b) 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.

8. DELIVERY TERMS.

- a) Goods shall be dispatched by sea, unless stated otherwise in the tender enquiry or purchase order.

- b) In the event of bidder offering CFR delivery terms for delivery in FCL (Full Container Load), the bidder shall provide 21 days' time free of detention for General Purchase Container / High Cube Container and 14 days for the other types from the date of delivery at delivery port. Wherever the detention free period offered is less than the above specified period, the consequential cost at port of clearance shall be to the account of the bidder. Number of detention free days must be mentioned on Bill of Lading (BL).
- c) In case of CFR delivery, Port congestion charges or any additional charges claimed by shipping line till delivery at destination port shall be to the bidder's account.
- d) Specifically confirm your agreement to change the mode by Air at BHEL's request as per mutually agreed terms even after placement of Purchase Orders.
- e) The Trans-shipment is not permissible in case of Break Bulk Cargo. In rest of the case Trans-shipment condition in BHEL purchase order / letter of credit will be as per Uniform Custom and Practice for documentary credits, UCP 600 of International Standard Bank proceed re-issued by International chamber of Commerce (ICC).
- f) No demurrage / godown rent will be payable to the vendor / vendor's transporter for any delay in payments attributable to the vendor.
- g) The shipping line should be ready to move the containers to consignees nominated CFS (Container Freight Station) yard and Indian agent of shipping line should issue Cargo Arrival Notice (CAN) 7 days in advance for filing the IGM (Import General Manifest) at discharge port.

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- h) In case of CFR contract, bidder to supply the material through a Certified Sea worthy vessel.
- i) A certificate of origin (COO) sanctioned in country of origin from chamber of commerce of the manufacturing country is mandatory to be provided. However a certificate of origin (COO) from the countries under the restricted list of Govt. of India will not be acceptable.
- j) For reasons of delay in receipt of documents from suppliers or due to the same being found to be incomplete, and / or faulty, the suppliers shall be responsible to reimburse in all demurrages / wharfages, if any paid by BHEL (for stated reasons).
- k) **The invoices being issued by shipping lines must be in the name of BHEL. Otherwise, BHEL will have to forego Input Credit on GST.**
- l) While booking the shipment, bidder to also finalize **destination charges** and the same should appear over BL or agreed tariff to be provided to BHEL before arrival of shipment.
- m) If cargo is stuffed in container then the same should be allowed to be moved to CFS of importers choice without any additional charges.
- n) Load port charges shall be settled by the supplier and not be passed on to BHEL in form of destination charges.
- o) NNDs (Non Negotiable Documents) (preferably with OBLs) should be sent at least 7 days in advance i.e. 7 days before the arrival of vessel so as to enable BHEL to move the containers to JWC CFS.
- p) **Information related to OBL / AWB Documents:**
- I. Consignee name and address should be same as mentioned in the Purchase order.
- II. Notify party: Name and address will be as follows :(For discharge port Mumbai or Nhava Sheva)
Bharat Heavy Electricals Limited
14th Floor World Trade Centre-1, Cuffe Parade, Colaba, Mumbai -400005
Email: msseahwr@bhel.in &
ppximx@bhelhwr.co.in (in case of Sea Shipments)
Email: msair@bhel.in and
ppximx@bhelhwr.co.in (in Case of Air shipments)
For latest updating please refer our web site:
www.bhelhwr.co.in
- III. OBL should clearly mention the Indian agent address and contact details.
- IV. OBL should be issued as per UCP 600.
- V. In case of incoterms other than FOB, OBL should mention the container detention free period.
- VI. In case of placement of an Order, BHEL requests bidder to supply one Original Bill of Lading / AWB directly to their Mumbai office with other non-negotiable documents to ensure timely clearance of goods. The other Original Bill of Ladings may be routed through bank based on the other agreed terms and conditions of purchase order.

9. PENALTY FOR LATE DELIVERY.

- a) Date of delivery will be considered as per the delivery terms mentioned in the Purchase Order. Penalty will be applicable on total order value @0.5% per week or part thereof subject to maximum of 10% of the PO value unless otherwise specified in Special Conditions of tender enquiry. Acceptance / Non Acceptance of this CONDITION

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must be specifically mentioned in your quotation. Any deviation from this will be loaded accordingly i.e. BHEL shall load maximum penalty under penalty for late delivery Clause, to the extent the same is not agreed by the bidder, for the purpose of evaluation.

- b) Bidders are requested to quote the best delivery meeting the delivery requirements. BHEL reserves the right to reject the offers not meeting BHEL's delivery requirement.
- c) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.
- d) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.
- e) The delivery date for penalty purpose will be the Bill of Lading Date / Air way bill.

10. PAYMENT TERMS.

- a) BHEL's standard payment term is Payment after Receipt and Acceptance of Material / Item at HEEP, BHEL-Store or at desired destination unless otherwise specified in Special Terms attached to the tender enquiry.
- b) BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.
- c) Loading on account of deviation in payment terms shall be done as per extant rules of BHEL-Haridwar.
- d) Where the payments are through bank, the documents may be presented for negotiation through BHEL designated banks which will be

specified in Purchase order. Documents should be submitted within 5 days of vessel sailing and receipt of OBL from shipping line.

- e) In case BHEL agrees for payment through LC, the same shall be irrevocable, unconfirmed and will be opened 30 days prior to the scheduled delivery and will be valid for a period of 60 days.

11. BANK GUARANTEE.

In case the bank guarantees are required to be deposited towards security deposit / performance guarantee or for any other purpose as per the terms of this tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

12. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.

- a) Goods shall comply with the specifications for material, workmanship and performance. Unless otherwise specified, the warranty shall be for a period of 18 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on

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Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at BHEL or at our subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by BHEL.

- b) In case the material is rejected, then date of replacement will be considered as the actual date of delivery.
- c) The bidder shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement / submission of BG/refund of amount paid.

13) QUALITY REQUIREMENT.

Your bid / quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable).

14. VALIDITY.

The quotation should be valid for a minimum period of 90 days effective from the date of opening of tender, unless otherwise specified in the tender enquiry.

15. RIGHT OF ACCEPTANCE.

- a) **BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR** reserves the right to reject any or all the bids / quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.
- b) Any discount / revised offer / bids submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.
- c) Unsolicited discounts / revised offers / bids given after Part-1 bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the tender enquiry.
- d) In case of changes in scope and / or technical specification and / or commercial terms & conditions having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for, then latest price bid shall prevail. However in both situations, original price bid will be necessarily opened.
- e) The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.
- f) BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.

16. TRANSIT INSURANCE.

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- a) Transit Insurance will be covered by BHEL under its open Marine Insurance Policy. Seller shall inform dispatch particulars (Purchase Order, RR / GR / BL / AWB, Invoice value etc.) to Finance department (Store bill Section), BHEL Ranipur Haridwar (Uttarakhand -India) with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.
- b) If Quoted Prices are inclusive of transit insurance, no weightage shall be given while evaluating the bids for Cost of Insurance, being in BHEL Scope.

17. PHYTOSANITARY CERTIFICATE:

- a) As per the Indian Law, all consignments being imported into India by air/sea require a phytosanitary certificate from the country of origin-if articles have been packed with wooden packaging materials. This is mandatory. Please confirm in your offer/dispatch documents that the required phytosanitary certificate will be submitted.
- b) Packaging material means any kind of material of plant origin used for packing which include hay, straw wood shavings, wood chips, saw dust, wood waste, wooden pallets, dunnage mats, wooden packages, coir pith, peat or sphagnum moss etc.

18. RISK PURCHASE.

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part

thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

19. FORCE MAJEURE CLAUSE.

Notwithstanding any other thing contained anywhere else in the contract or PO (Purchase Order), In case the discharge of obligation under the contract by either party is impeded or made unreasonably onerous, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective date (PO date).

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
- b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
- c) Rebellion, revolution, insurrection, civil war etc.
- d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
- e) Riots, commotions, strike unless restricted to the employees of supplier.
- f) Acts of terrorism.

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- g) Other unforeseeable circumstances beyond the control of the parties and which the affected party cannot avoid even by using its best efforts.
- h) Cancellation of contract by customer.
- i) Change in law / government. Regulation making the performance impossible.

The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

Irrespective of any extension of time, if an event of force majeure occurs and its effect continues for more than 180 days the affected party shall have right to cancel the contract.

As soon as reasonably practicable following the date of commencement of a Force Majeure Event, and within a reasonable time following the date of termination of a Force Majeure Event, either Party invoking it shall submit to the other Party reasonable proof of the nature of the Force Majeure Event and of its effect upon the performance of the Party's obligations under this Agreement.

The party shall, and shall ensure that its Subcontractors shall, at all times take all reasonable steps within their respective powers and consistent with Good Operating Practices (but without incurring unreasonable additional costs) to:

- a) Prevent Force Majeure Events affecting the performance of the party's obligations under this Agreement;
- b) mitigate the effect of any Force Majeure Event; and
- c) Comply with its obligations under this Agreement.

If the war like situation has developed in a country where a seller's works is located in this P.O. or there is political instability and Indian Embassy located in that country forbids or advises for not having any business dealing

with the sellers located in such zone / region/ country then BHEL reserves the right to cancel the order.

20. NON-DISCLOSURE AGREEMENT.

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.

21. SETTLEMENT OF DISPUTES / ARBITRATION.

Any dispute / difference arising out of or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by arbitration under the Arbitration and Conciliation Act, 1996 of India by a Sole Arbitrator to be appointed with mutual consent of the parties. Such Sole Arbitrator shall be either a retired judge of Supreme Court or High Court or District Court of India or some Advocate having practiced in Indian Courts. The seat or place of arbitration shall be New Delhi, India. The language to be used in the arbitration shall be English. The governing law of the contract shall be the substantive law of India. In case the parties fail

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to agree on the appointment of arbitrator within 2 months of the notice invoking arbitration by one party, then the arbitrator shall be appointed in accordance with the Arbitration and Conciliation Act, 1996 of India.

JURIDICTION: The courts of New Delhi, India, shall have exclusive jurisdiction.

22. INFORMATION TO THE BIDDERS.

- a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website www.bhelhwr.co.in. The user ID & password can be obtained by sending a request to concerned purchase executives.
- b) Intimate your change in mail address or communication address or changes, if any, by email to ppx_idx@bhelnhr.co.in giving your bidder Code.
- c) Please resolve your rejections and unexecuted overdue purchase order immediately which are posted at our B2B Portal, which can be visited through our site www.bhelhwr.co.in.
- d) Copy of this Tender Enquiry is being sent through the post/ Courier / E-mail or by any existing means.
- e) Invoice description and Unit of measurement should be strictly in accordance with Purchase order.
- f) Unit of measurement for dimension and weight should be in metric system only.

23. NOTE.

- a) Special conditions of enquiry, if enclosed By BHEL, will supersede the respective standard / general terms of enquiry.

- b) Any other Standard terms and Conditions of the bidder attached / referred against the tender enquiry will be treated as null and void ab initio.
- c) In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guidelines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>
- d) 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.

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25. NOTE.

1. GENERAL.

These general terms & conditions shall apply to all the Tender Enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, Haridwar (hereinafter referred to as BHEL or the Purchaser).

2. ORIGIN OF QUOTATION.

- a) The quotation should preferably be from the principal bidder. However tender specific authorized registered dealer / agent can also submit the bid on their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers.

- b) An agent cannot quote on behalf of more than one principal in the same Tender Enquiry.

3. SUBMISSION OF TENDER.

- a) Bid / Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER / Dropped in the Tender Box: addressed as follows:-

Quotation Against Enquiry No. _____

Dated: _____

Due on: _____

To,

**THE HEAD OF MATERIALS MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

- b) In case of Three / Two Part Bid, technical bid containing technical offer, duly signed and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. All envelopes indicating Part-1 or Part-2 or Part-3 as the case may be to be put in a bigger envelope. Please note that un-priced bid should be the exact replica of price bid but without prices.
- c) The bid / quotation must be posted before due date, keeping allowance for postal transit time. Alternatively, the tenders duly sealed and super-scribed as above may be deposited in the Tender Box. Quotations sent by any mode but not received in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the bidder, sent through any mode. Documents submitted with the offer / bid shall be signed and stamped in each page by authorized representative of the bidder.
- d) Any additional documents submitted by supplier / bidder, during processing of registration application / tender or after placement of order shall not be accepted unless it is

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submitted with forwarding letter and duly signed and stamped as mentioned above in clause c.

- e) The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, shall be rejected. The cutting / overwriting in the bid / offer must be duly attested by the signatories to the bid. The list of firms banned by BHEL is available on BHEL web site www.bhel.com.
- f) Being PMD vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion such PMD vendor from BHEL's approved vendor list.
- g) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 5 Crore or more.
- h) In case of open tender, the unregistered bidder shall submit inter alia duly filled-in Supplier Registration Form (SRF) along with the bid. Bidders can download the SRF from www.bhel.com
- i) BHEL reserves the right to award tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders). BHEL can also consider awarding of part of the tendered quantity to other than L-1 bidder at L1 counter offered rates, if the quantity offered by the L-1 bidder is less than the quantity tendered for.

4. TENDER OPENING.

Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore bid / quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating bidders are allowed to attend tender opening. **TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.** The bidders or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender

specific letter, for price bid opening on that particular day. General authorization letter is not acceptable.

5. SPECIFICATION, DRAWINGS & STANDARD.

- a) Bidders must give their detailed specification in the quotation along with relevant technical literature / catalogue etc. against the tender enquiry.
- b) The Bid should be accompanied with relevant copies of catalogues, drawings or specification as per tender enquiry. If these documents are not furnished, the offer is liable to be rejected.
- c) Wherever national / international (N/IN) standards are referred, the latest N/IN standards are to be followed. Mention year & date of standard revision that shall be followed for the supply.
- d) All Drawings and Standards are proprietary of BHEL. It must not be used in anyway detrimental to the interest of the company.

6. PRICE SCHEDULE.

- a) Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
- b) Prices quoted should not be more than the prices quoted to any other BHEL units / offices / divisions. Vendor to submit copy of latest Purchase Order placed by any unit of BHEL for similar items in the technical bid. In case no order has been placed on such items, specific confirmation that no order has been placed on such items should be provided.
- c) Prices should be quoted on F.O.R. Destination basis. Transit insurance shall be arranged by BHEL and not to be included in the prices. The offers quoted on other than F.O.R destination basis may result in non consideration of such bids.

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- d) In case BHEL accepts the EX-Works prices, such offers will be loaded by 1.5% of EX-Works value towards freight or with actual freight charges as per BHEL freight rate contract whichever is higher.
- e) In case of Indigenous items covered by DGS & D Rate Contract, the bidders should submit latest valid copy of the rate contract along with bid / quotation
- f) Applicable **IGST / CGST / SGST** and any other statutory levy should be indicated separately and clearly in the bid / quotation.
- g) Bidders can dispatch goods through any Indian Bank Association approved transporters having their branch at HARIDWAR / destination. If material is dispatched through other than Indian Bank Association approved transporter, material to be delivered on door delivery BHEL Stores basis.
- h) In case of dispatch of material through any other unapproved transporter, payment shall be made only after receipt of material and any additional charges payable to the transporter shall be to the bidder's account.
- i) No demurrage / godown rent will be payable to the vendor / vendor's transporter for any delay in payments attributable to the vendor.

NB: Financial evaluation of L1, L2 Status will be on the basis of Landed Cost to BHEL.

7. REVERSE AUCTION.

- a) 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 for RA. Detailed guidelines available at our site www.bhel.com
- b) 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.

8. DELIVERY TERMS.

- a) Goods shall be delivered on 'FOR Destination' basis to the named destination unless otherwise called for in the tender enquiry.
- b) Loading on account of 3rd party inspection charges in case of Indian bidders shall be 0.20%.

9. PENALTY FOR LATE DELIVERY.

- a) Date of delivery will be considered as per the delivery terms mentioned in the Purchase Order. Penalty will be applicable on total order value @0.5% per week or part thereof subject to maximum of 10% of the PO value unless otherwise specified in Special Conditions of tender enquiry. Acceptance / Non Acceptance of this condition must be specifically mentioned in your quotation. Any deviation from this will be loaded accordingly i.e. BHEL shall load maximum penalty under penalty for late delivery Clause, to the extent the same is not agreed by the bidder, for the purpose of evaluation.
- b) Bidders are requested to quote the best delivery meeting the delivery requirements. BHEL reserves the right to reject the offers not meeting BHEL's delivery requirement.
- c) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.
- d) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.
- e) **DELIVERY IN CASE OF REJECTION:** In case the material is rejected, then date of replacement will be considered as the actual date of delivery.
- f) **DELIVERY AGAINST BANK DOCUMENTS:** In case payment terms quoted by bidder are documents through bank, and

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the delivery terms being "FOR Haridwar / FOR Transporter Go-down" then date of delivery will be date of intimation by transporter / bidder of delivery of material at Haridwar for the penalty purpose.

- g) Where the payments are through bank, the documents may be presented for negotiation to BHEL authorized / nominated bank.

10. PAYMENT TERMS.

- a) BHEL's standard payment term is Payment after receipt and acceptance of materials / items at HEEP, BHEL-Store or at desired destination unless otherwise specified in Special Terms attached to the tender enquiry.
- b) BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.
- c) Loading on account of deviation in payment terms shall be done as per extant rules of BHEL-Haridwar.

11. TAXES & DUTIES.

- a) The bidder to specify in their offer (part 1 bid) the category of their registration under GST like Registered, Unregistered and composite dealer.
- b) The provisional GST registration number of Bharat Heavy Electrical Ltd, Heavy Electricals Equipment Plant, Ranipur, Haridwar is "05AAACB4146P1ZL" with state Code as "05" and State Name as "Uttarakhand".
- c) Please quote our provisional GST registration number in all invoices raised for supply of goods and services under GST regime and also ensure filing of timely return and payment of tax and compliance of other applicable provisions on supplier under GST regime.
- d) No GST will be reimbursed to unregistered or composite dealer. In the event, any GST is quoted by composite dealer, the same shall be added to the cost of supply in evaluating the bid.

- e) Since, input credit of GST will be available to BHEL-Haridwar only after correct filing of return and payment of applicable GST by supplier, reimbursement of GST shall be made by BHEL-Haridwar on matching of vendor inputs at GST portal, ensuring availability of input credit to BHEL Haridwar. Payment of GST will be made to vendor after matching of input credit and vendor to ensure submission of their invoices along with consent to accept payment of tax after such matching in all cases where bills are submitted directly to BHEL-Haridwar or through bank or under LC or through any other mode.
- f) In the event of any disallowance of input credit or applicability of interest or any other financial liability arises on BHEL-Haridwar due to any default of supplier under GST, such implication shall be to supplier's account.
- g) In the event of any change in the status of the vendor after the submission of the bid but before the supply, GST applicable at the time of supply or in the bid, based on the registration status of the vendor, whichever is lower shall be payable.
- h) Where ever applicable If PAN (Permanent Account Number) of the recipient is not available, income tax is deductible either at the normal rate or at the rate of 20 percent, whichever is higher as per Section 206AA of Indian Income Tax Act 1961.
- i) The bidder shall clearly indicate HSN (*Harmonised System Nomenclature*) / SAC (*Service Accounting Code*), its description and applicable rate of GST for each item in his techno-commercial bid.
- j) Statutory Variation in Taxes & duties as applicable at the time of supply shall be payable. However, in the event of no change in law but bidder quoting certain tax structure in bid document which is lower than the applicable one, such amount shall be the maximum amount of tax that can be claimed by bidder.
- k) IMPORTED GOODS OFFERED BY INDIAN BIDDERS AGAINST DEALER INVOICE: Wherever the material being offered is imported, the bidder must quote the prices inclusive of IGST. The rate and value of IGST as included in

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the price must be indicated separately. In case quantum of IGST is not mentioned by the bidder the same will not be considered for evaluation. However, bidder will have to pass on the benefit of IGST to BHEL at the time supply.

- i) In case of directly dispatchable items to Customer's Site, BHEL-Haridwar will inform the GST registration number of the respective customer which must be mentioned on the vendor's invoice. Vendor to ensure availability of such information from BHEL-Haridwar before dispatch of any material. However while filing GSTN-1, BHEL Haridwar GSTN number to be quoted.

Note: - Vendors must ensure compliance of all the applicable rules and procedure as envisaged in the GST Regime. Any loss to BHEL-Haridwar due to fault / non-compliance by the vendor will be to the vendor's account.

12. BANK GUARANTEE.

In case the bank guarantees are required to be deposited towards security deposit/performance guarantee or for any other purpose as per the terms of this tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

13. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.

Goods shall comply with the specifications for material, workmanship and performance. Unless otherwise specified, the warranty shall be for a period of 18 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken

away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at BHEL or at our subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by BHEL.

- b) **RETURN OF REJECTED MATERIAL FOR REPLACEMENT:** The bidder shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement / submission of BG/refund of amount paid.

14. QUALITY REQUIREMENT.

Your bid/quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable).

15. VALIDITY

The quotation should be valid for a minimum period of 90 days effective from the date of opening of tender, unless otherwise specified in the tender enquiry.

16. RIGHT OF ACCEPTANCE.

- a) **BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR** reserves the right to reject any or all the bids / quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.
- b) Any discount / revised offer / bids submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.

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- c) Unsolicited discounts / revised offers / bids given after Part-1 bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the tender enquiry.
- d) In case of changes in scope and / or technical specification and / or commercial terms & conditions having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for then the latest price bid shall prevail. However in both situations, original price bid will be necessarily opened.
- e) The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.
- f) BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.

17. TRANSIT INSURANCE.

- a) Transit Insurance will be covered by BHEL under its open Insurance Policy. Seller shall inform dispatch particulars (Purchase Order, RR/GR/, Invoice value etc.) to "Finance department (Store bill Section), BHEL Ranipur Haridwar (Uttarakhand -India) with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.
- b) If Quoted Prices are inclusive of transit insurance, no weightage shall be given while evaluating the bids for Cost of Insurance, being in BHEL Scope.

18. RISK PURCHASE.

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and

conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

19. FORCE MAJEURE CLAUSE.

Notwithstanding any other thing contained anywhere else in the contract or PO (Purchase Order), In case the discharge of obligation under the contract by either party is impeded or made unreasonably onerous, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective date (PO date).

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
- b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
- c) Rebellion, revolution, insurrection, civil war etc.
- d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
- e) Riots, commotions, strike unless restricted to the employees of supplier.
- f) Acts of terrorism.
- g) Other unforeseeable circumstances beyond the control of the parties and which the affected party cannot avoid even by using its best efforts.
- h) Cancellation of contract by customer.
- i) Change in law/ government. Regulation making the performance impossible.

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The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

Irrespective of any extension of time, if an event of force majeure occurs and its effect continues for more than 180 days the affected party shall have right to cancel the contract.

As soon as reasonably practicable following the date of commencement of a Force Majeure Event, and within a reasonable time following the date of termination of a Force Majeure Event, either Party invoking it shall submit to the other Party reasonable proof of the nature of the Force Majeure Event and of its effect upon the performance of the Party's obligations under this Agreement.

The party shall, and shall ensure that its Subcontractors shall, at all times take all reasonable steps within their respective powers and consistent with Good Operating Practices (but without incurring unreasonable additional costs) to:

- a) Prevent Force Majeure Events affecting the performance of the party's obligations under this Agreement.
- b) mitigate the effect of any Force Majeure Event and
- c) Comply with its obligations under this Agreement.

If the war like situation has developed in a country where a seller's works is located in this P.O. or there is political instability and Indian Embassy located in that country forbids or advises for not having any business dealing with the sellers located in such zone / region/ country then BHEL reserves the right to cancel the order.

20. NON-DISCLOSURE AGREEMENT.

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the

bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.

21. SETTLEMENT OF DISPUTES / ARBITRATION.

In all cases of dispute the matter shall be referred for ARBITRATION by sole arbitrator to be appointed by the Unit Head of Bharat Heavy Electricals Ltd., at HARIDWAR. The award of the Arbitrator shall be final and binding on both the parties. The place of Arbitration shall be Haridwar.

JURISDICTION: The courts of Haridwar, India, shall have exclusive jurisdiction.

22. WHARFAGE / DEMURRAGE RESPONSIBILITY.

In the event of delay in receipt of documents by Manager (Stores-Shipping) BHEL-Haridwar and in case where dispatches are made through Unapproved Transporter the sole responsibility for wharfage /demurrage for such delay shall be that of supplier.

23. CONDITIONS FOR AVAILING MICRO & SMALL ENTERPRISES (MSE'S) BENEFITS.

- a) "MSE Suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (**five years** from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at annexure-1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents is found or the requisite documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be

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uploaded on the portal. Documents should be notarized or attested by a Gazetted officer."

- b) Any new supplier will be eligible for registration with BHEL as MSE supplier provided at least any one of the following documents are submitted along with application for registration :-

- 1) Valid NSIC Certificate or
- 2) Udyog Aadhaar Memorandum or
- 3) Entrepreneurs Memorandum part II (EM II) certificate (valid based on deemed validity of 5 years) or
- 4) EM II certificate along with attested copy of CA Certificate (as per prescribed format at annexure-A) applicable for the relevant financial year (latest audited), where the deemed validity of EM II is over.
- 5) Any Start-Up Organization will be eligible to avail all the benefits as provided by Govt. guidelines after submitting the required documents.

However, credentials of all MSE suppliers will be verified before advancing the intended benefits.

- c) MSE bidders claiming SC/ST status will have to submit SC/ST certificate of the Proprietor from competent authority. Attested (notarized or attested by Gazetted officer) copy to be submitted along with the offer.
- d) In case techno-commercial accepted bidders include MSE source and their prices (based on landed cost – considering quoted prices) are within the price band of 15% w.r.t. L-1 bidder, then BHEL can offer 20% of quantity of respective item (rounded off to nearest number) to MSE bidders at L-1 price and in case, more than one MSE bidder is in 15 % band and the same is accepted by more than one MSE bidders then 20% quantities of respective items will be considered for ordering on proportionate basis amongst MSE bidders.
- e) While distributing the 20% quantity amongst MSE bidders the decimal points in quantity shall be ignored for all the

bidders except the L-1 amongst MSE bidders. Balance quantity after allocating the quantity to other MSE bidders ignoring the quantities in decimal, shall be given to L-1 (amongst MSE) bidder. However if there are more than one MSE bidder at the same price level than preference for additional quantities due to ignoring off the decimal (as mentioned above) shall be given to the bidder offering favorable terms to BHEL and if the conditions offered are also same then preference will be given to the bidder having high SPR rating.

- f) In case there are more than one MSE bidders (with different landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given to the MSE bidder with lowest landed cost .
- k) In case there are more than one MSE bidders (with same landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given first, based on the favorable terms in the bid and in case terms are also same, the bidder with high SPR rating shall be given preference.
- l) If L1 bidder is MSE bidder, entire quantity will be given to such MSE bidder only.
- m) Note: It may however be noted that MSE guidelines as on date (Date of Technical Bid Opening Part-1) shall prevail

24. INFORMATION TO THE BIDDERS.

- a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website www.bhelhwr.co.in The user ID & password can be obtained by sending a request to concerned purchase executives.
- b) Intimate your change in mail address or communication address or changes, if any, by email to ppx_idx@bhelhwr.co.in giving your bidder Code.
- c) Please resolve your rejections and unexecuted overdue purchase order immediately which are posted at our B2B Portal, which can be visited through our site www.bhelhwr.co.in

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- d) Copy of this Tender Enquiry is being sent through the post.

25. NOTE.

- a) Special conditions of enquiry, if enclosed by BHEL, will supersede the respective standard/general terms of enquiry.
- b) Any other Standard terms and Conditions of the bidder attached/referred against the tender enquiry will be treated as null and void ab initio.
- c) In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guide- lines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>
- d) 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.

GRI	Fiber Bragg Grating (FBG) Sensor based Dynamic Strain Monitoring System	GRI NO. : GRI/27/02/17-18 DATE : 01.08.2017 PAGE : 1 OF 3
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1.0 APPLICATION:

The core of a large size turbogenerator undergoes cyclic dynamic stress principally at 100Hz during operation. This renders core packet looseness mainly at ends – turbine and exciter. The intended FBG sensor based dynamic strain monitoring system shall be used for core packet dynamic strain monitoring during site/shop operations. Besides this, the system should be capable of monitoring dynamic stress/ strain in similar such other applications.

2.0 SPECIFICATIONS: Some major requirements are given below:

2.1 Unpacked Single sensor without connectors:

- a. Number of FBGs : Single sensor with no connector on both ends
- b. FBG Length : 10 mm
- c. Strain Limit : 5,000 $\mu\epsilon$
- d. Strain Sensitivity : ~ 1.2 pm/ $\mu\epsilon$
- e. Operating Temperature Range : - 40 to 120 C
- f. Fiber Lead Length : 1 m (± 10 cm), each end
- g. Peak Reflectivity : > 65%

2.2 Non-Metallic Optical Strain Gauge :

- a. Sensitivity : > 500 $\mu\epsilon$ /nm
- b. Measurement range : better than ± 5000 $\mu\epsilon$
- c. Gauge length : < 10 mm
- d. Drift : minimum
- e. Central wavelength : 1500 to 1600 nm
- f. Reflectivity : > 65%
- g. Cable length : approx 1 m on each side
- h. Connectors : FC/APC or suitable connectors
- i. Operation temperature : 0 to 80° C
- j. Materials : Insulating material
- k. Dimensions : Preferably less than 25 mm

Prepared by	Vipin/Avinash, Sr. Engr. (GRI)	Avinash 01.08.17
Checked by	D. S. More, DGM (ISE & GRI)	D. S. More 01/08/17
Approved by	Ram Sewak, AGM (GRI & labs)	Ram Sewak 01/08/2017

GRI	Fiber Bragg Grating (FBG) Sensor based Dynamic Strain Monitoring System	GRI NO. : GRI/27/02/17-18 DATE : 01.08.2017 PAGE : 2 OF 3
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2.3 Non-Metallic Temperature Sensor :

- a. Operating Temperature Range : 0 to 120°C (preferable)
- b. Temperature Sensitivity : $\geq 10 \mu\text{m}/^\circ\text{C}$
- c. Cable Temperature Range : 0 to 250° C
- d. Response Time : 0.7 seconds
- e. Standard Calibration : As required
- f. Cable Length : 1 m
- g. Peak Reflectivity : > 60%

2.4 FBG strain Gauge Monitoring System :-

The party should quote both on-line and off-line monitoring systems with compatible hardware/software. Some major specifications are given below-

- a. Range : 1500 to 1600 nm
- b. Number of optical channels : 4
- c. Scan frequency : 2 Hz
- d. Dynamic range : > 25 dB
- e. Optical connectors : FC/APC// FC/APC or SC/APC
- f. Sensors per channel : 20
- g. Operating temperature/humidity : 0 to 50 degrees / up to 95% RH
- h. Weight/Dimension : Lighter in weight and compact in size.
- i. Power Requirement : AC 150-240 V, 47-55 Hz

2.5 Single patch cord, FC/APC connectors 3mm jacket of 30mtr. Length.

2.6 Appropriate Thorough adapters

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Checked by	D. S. More, DGM (ISE & GRI)	27.08.17
Approved by	Ram Sewak, AGM (GRI & labs)	11/9/2017

GRI	Fiber Bragg Grating (FBG) Sensor based Dynamic Strain Monitoring System	GRI NO. : GRI/27/02/17-18 DATE : 01.08.2017 PAGE : 3 OF 3
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3.0 Pre-Qualification Requirement :

Only OEM or OEM authorized vendor should quote the system. In the latter case, authorisation letter must be submitted. Only those vendors (OEMs/ Authorised vendor), who have supplied at least FBG strain gauge and Monitoring System in past two years (on the date of opening of tender) to reputed institution/ organizations and is presently working satisfactorily for more than one year (on the date of opening of tender) should quote.

The following information should be submitted by vendor.

- Name of the customer/company where FBG strain gauge and Monitoring System has been supplied.
- Complete postal / email address of the customer/ user.
- P.O. No, date, scope of supply and Month & year of installation.
- Name, designation, phone no., email etc. of contact person
- Performance certificate and not the commissioning report directly from the customer(s) regarding satisfactory performance of the equipment.

4.0 Commissioning: The party shall demonstrate the working of the FBG strain gauge and Monitoring System at our works.

5.0 General Conditions:

- Preferably the party should quote all the items, even if it is not making all the specified items.
- The party will provide operation manuals.
- Essential spare parts/ accessories not mentioned above should be quoted along with the main equipment if necessary for smooth operation of the equipment for at least 5 years.

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Checked by	D. S. More, DGM (ISE & GRI)	18/08/17
Approved by	Ram Sewak, AGM (GRI & labs)	18/08/17