

M/S. OPEN TENDER

DUEDATE

31-08-2022

BHEL

HARIDWAR249403

Vendor Code

00001

INDIA

-

SL	MATERIAL CODE ITEM DESCRIPTION	QUANTITY	UNIT	LOTNO	LOT DELIVERY QTY SCHEDULE
1	W97372680018 GWR LEVEL TRANSMITTER,S=1500MM SPEC: ST48014 REV: 01 SIZE: 001 DIM.: S=1500	16	NO	1	16 01/12/22

\*\* IMPORTANT: This enquiry is 2 part tender. Techno-Commercial bid (Part-1) & Price Bids (Part-2) should be submitted in separate envelopes. These two envelopes should be submitted in a common sealed envelope. Techno-Commercial Bid shall contain detailed Technical Specification, Drawings Technical documents, Catalogues, taxes & duties, payment terms, delivery period, Validity of offer, Replica of Price Bid (Copy of price bid without price part) etc. The confirmation to the special terms & conditions must be submitted alongwith Techno-Commercial bid.

#### Special Instructions:

1. PQR, GISTC, INSTRUCTIONS TO BIDDERS AND ADDITIONAL TERMS & CONDITIONS OF TENDER ENQUIRY (ANNEXURE-A) ENCLOSED.
2. THIS IS A GLOBAL TENDER ENQUIRY. HENCE, NON-LOCAL SUPPLIERS ARE ALSO ELIGIBLE TO BID FOR THIS TENDER. HOWEVER, PURCHASE PREFERENCE TO CLASS-I LOCAL SUPPLIER WILL BE GIVEN AS DEFINED IN PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04/06/2022 ISSUED BY DPIT.

#### General Instructions:

Please visit our site [www.bhelhwr.co.in](http://www.bhelhwr.co.in) for latest version of General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries. All the bidders/vendors must ensure compliance of latest GISTC. Terms & Conditions printed overleaf of this Standard Tender enquiry format are null & void.


For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable.

MATERIAL CODE	QUANTITY	UNIT	LOTNO
ITEM DESCRIPTION			

Default purchase preference under Make in India order shall be 20% to suppliers with default minimum local content of 50% for all items / works / services. For further details, please refer latest version of GISTC. Procurements where the Estimated value to be procured is less than Rs. 5 lakhs shall be exempted from Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018  
Kindly produce GeM seller Id with documentary proof along with your Bids/offers for case Value more than 25 Lacs.

**DIWAKAR VIKRAM SIN**  
**ENGINEER (PPX-BOI)**

	<b>PPX-BOI DEPARTMENT</b> <b>BHARAT HEAVY ELECTRICALS LIMITED</b> <b>HEEP: HARDWAR-249 403 (Uttarakhand)</b> <b>FAX: +91 1334 226462</b> <b>TEL: +91 1334 28 1150</b>	<b>ENQUIRY NO. B/4180/2/1006V1</b> <b>PACKAGE: GWR LEVEL TRANSMITTER, S=1500MM</b> <b>PROJECT: CHANDRAPUR</b>
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### INSTRUCTION TO BIDDERS

#### 1. SCOPE OF ENQUIRY

Sealed Bids are invited from bidders for the supply of Spares for Oil Module as per requirement mentioned below:

ITEM-NO	MATERIAL CODE	ITEM DESCRIPTION	QTY.	UNIT	DATE FOR SUPPLY COMPLETION	PROJECT
1	W97372680018	GWR LEVEL TRANSMITTER,S=1500MM SPEC: ST48014 REV: 01 SIZE: 001 DIM.: S=1500	16	NO	01/12/2022	Chandrapur

#### 2. PROJECT INFORMATION

<b>Project Name</b>	Chandrapur U-5&6
<b>Name of the End Customer</b>	Maharashtra State Electricity Board (M S E B)
<b>Consignee Address</b>	Chandrapur Super Thermal Power Station (CSTPS), Urjanagar, Chandrapur- 442404, Distt.- Chandrapur
<b>Consignee GSTIN</b>	27AAECM2935R1ZV

#### 3. EARNEST MONEY DEPOSIT (EMD):

3.1 Bidder must submit their offer along with the following Earnest Money Deposit (EMD) in a separate sealed envelope:

Details	Amount In INR	Type
EMD	Rs. 40,000/-	Refundable


3.1 The EMD should be submitted in the form of demand draft / Pay Order/ Cash (as permissible under Income Tax Act). The Drafts shall be drawn in favor of "BHEL Hardwar". EMD thru E- payment is also acceptable. For E-Payment, the RTGS details are as mentioned below:

Bank Details	SWIFT Details of bank	Contact Details of Banker
STATE BANK OF INDIA RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, INDIA, PIN CODE : 249403	SWIFT NO : SBININBB225CC  ACCOUNT NO : 10667995458  IFSC CODE : SBIN0000586	Chief Manager (IBD) Contact No. +91 1334 224201 +91 1334 226125 Fax: +91 1334 226512

3.2 Bidders already registered at BHEL Hardwar (i.e. PMD Vendors) for this package are exempted from submission of the EMD.

3.3 As per government guidelines, MSE suppliers are exempted for submission of EMD and Tender Fee.

Micro and Small Enterprises (Registered under SSI, NSIC, Khadi Board, DIC etc.) are exempted from submission of EMD.

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“MSE Suppliers can avail the intended benefits only if they submit at least any one of the following documents along with offer: -

1. Udyog Adhaar Memorandum (UAM) / Udyam Adhaar Certificate
2. Valid National Small Industries Commission (NSIC) Certificate.
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 applicable for the relevant financial year (latest audited), where the deemed validity of EM II is over.”

3.4 It is clarified that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents/Stockist/Dealers/Traders etc. for the items offered but not manufactured by themselves.

3.5 Bids not accompanied with requisite EMD or bids accompanied with EMD of inadequate value may be rejected by BHEL without any correspondence. EMD should be submitted along with Part-1 “Technical Bid”.

3.6 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.

#### 4. PRE-QUALIFICATION REQUIREMENT (PQR)

The Pre-Qualification Requirements have been compiled and enclosed as “**Document No. CIE/GWR LT/PQR/20221006 R00**”. All the bidders should ensure submission of complete details and documents as called for in these requirements. The Offers submitted by the bidders would be scrutinized with respect to Pre-Qualification Requirements first. Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.


**Important Note:** Bidders should ensure completeness and correctness of all supporting documents of PQR along with their offer. BHEL reserve the right to close PQR within 30 days of opening of techno-commercial Bids. Offers of Bidder / Bidders, who do not meet PQR i.e. do not complete the PQR documentation within 30 days of opening of techno-commercial bid, may be ignored and no-further correspondence shall be entertained thereafter.

#### 5. SUBMISSION OF OFFER

Offers to be submitted on NIC portal i.e. <https://eprocurebhel.co.in>

- 5.1 Only English version of all documents would be valid & binding.
- 5.2 Bidders are advised to study all the tender documents carefully. Any submission of tender by the bidder shall be deemed to have been done after careful study and examination of the tender documents and with full understanding of the implications thereof. The specifications and terms & conditions shall be deemed to have been accepted unless otherwise specifically commented




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- upon in 'Deviation' sheets by the bidder in his offer. Non-compliance with any of the requirements and instructions in the Tender Enquiry may result in rejection of the offer.
- 5.3 Name of vendor's dealing person with Contact No(s), Email ID and Address of correspondence shall be provided in the bid.
  - 5.4 Tenders are to be submitted in Two Parts and Part-I (Techno-Commercial Bid, as detailed below) will be opened first. The offers are to be submitted on or before the Due Date and time.
  - 5.5 **Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements mentioned in our Enquiry and who have submitted the EMD as stipulated in clause 3 above.** The Pre-Qualification requirements have been compiled in enclosed **"Document No. CIE/GWR LT/PQR/20221006 R00"**.
  - 5.6 After opening of the techno-commercial offer, the offers would be evaluated by BHEL and acceptance shall be subject to End Customer approval. Price Bid shall be opened only of the Customer approved vendors.
  - 5.7 After finalization of Techno-Commercial evaluation, offers of BHEL and Customer approved vendors who have qualified in techno-commercial offer shall be considered for Price Bid Opening/RA.
  - 5.8 As per directives of CENTRAL VIGILANCE COMMISSION, GOVERNMENT OF INDIA, one agent can not represent two or more suppliers or quote on their behalf in a particular tender. If so found at any stage, BHEL Hardwar is likely to cancel Enquiries / POs to such suppliers. Further, such Indian Agent is likely to be de-listed (Black listed for business from BHEL).
  - 5.9 Vendors operating from BHEL quarters, unauthorized colonies on BHEL Land and Dharamshalas / Hotels shall not be considered, hence such vendors need not apply.
  - 5.10 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.

***Kindly ensure the timely submission of your offer (by 1345 Hrs IST on the due date) and note that Late Offers shall not be entertained under any circumstances.***

**For and on behalf of BHEL, Hardwar**

**(Amit Kumar Singh)**  
**Manager (PPX-BOI)**

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**ANNEXURE-A**

**ADDITIONAL TERMS AND CONDITIONS OF TENDER ENQUIRY**

**Additional Terms and conditions of tender enquiry (In addition to General instructions and standard terms & conditions as enclosed)**

Sl. No.	Terms	Description	Your confirmation
1.	<b>Confirmation to General Instructions and standard terms &amp; conditions</b>	<p>Please submit signed and stamped copy of Confirmation to General Instructions and standard terms &amp; conditions (enclosed) as your acceptance to these terms and conditions.</p> <p>Deviation to "General Instructions and standard terms &amp; conditions", if any, shall be submitted along with offer in separate documents.</p> <p>Please note that in case no- deviation sheet of "General Instructions and standard terms &amp; conditions", is received along with offer, it will be presumed that all terms and conditions mentioned in "General Instructions and standard terms &amp; conditions" shall be acceptable to you and your offer will be processed accordingly</p>	
2.	<b>Evaluation criteria</b>	Evaluation shall be done on total landed cost to BHEL up to project site for all quantity of each material code separately.	
3.	<b>Documents</b>	<p>Kindly confirm that the following documents have been submitted along with your offer:</p> <ol style="list-style-type: none"> <li>1. Requisite EMD (if applicable)</li> <li>2. Complete Technical offer with relevant drawings/ documents /QP etc.</li> <li>3. Documents in support of Pre-Qualification Requirement (PQR)</li> </ol>	
4.	<b>Validity</b>	Confirm that validity of the offer shall be 120 days from the due date of opening of Techno-Comm. Offers. Offer of vendor's with short validity (i.e. less than 120 days) is likely to be rejected by BHEL.	
5.	<b>Basis of quotation</b>	<p><b><u>For Foreign Bidders:</u></b></p> <p>Please quote your prices on CFR NAHVA SHEVA Port Mumbai Basis / CPT Mumbai Airport Basis. The prices are necessarily to be quoted on CFR NAHVA SHEVA Port Mumbai Basis / CPT Mumbai Airport Basis.</p> <p>For evaluation (i.e. calculating total landed cost to BHEL upto project site) inland freight will be loaded in line with GISTC.</p>	
		<p><b><u>For Indian Bidders:</u></b></p> <p>Please quote your prices on Ex-works freight prepaid basis upto Chandrapur Site.</p>	
6.	<b>Delivery</b>	Please note that material is urgently required. Please quote your deliveries accordingly in no. of weeks from the date of PO considering the time required by BHEL for issuance of Material dispatch clearance (MDCC).	
		If the delivery quoted by you does not meet BHEL's delivery requirement / revised delivery requirement as per site progress, you will be given a chance for reviewing your quoted delivery and inform revised delivery to BHEL. After this, if your delivery does not meet BHEL's required delivery / revised delivery as per site progress, BHEL reserve the right to reject your offer.	
7.	<b>Payment Terms</b>	Payment terms shall be as per GISTC. Please confirm your acceptance for the payment terms of GISTC. "Receipt and Acceptance" wherever referred in payment terms clause of GISTC may be treated as "Receipt of material at site".	

**(Signature of the Vendor with Seal)**




PPX-BOI DEPARTMENT  
BHARAT HEAVY ELECTRICALS LIMITED  
HEEP: HARDWAR-249 403 (Uttarakhand)  
FAX: +91 1334 226462  
TEL: +91 1334 28 1150

ENQUIRY NO. B/4180/2/1006V1  
PACKAGE: GWR LEVEL TRANSMITTER, S=1500MM  
PROJECT: CHANDRAPUR

# ANNEXURE-A

		In case of deviation in payment terms w.r.t. tender conditions, offer shall be evaluated after loading on account of deviation in payment terms as per extended rules of BHEL.	
8.	<b>Bank Charges</b>	In case of payment through bank, all bank charges shall be on either side i.e. your bank's charges shall be to your account and our bank's charges shall be to our account. In case documents are presented directly to our nominated Banks, bank charges shall be to your account. Please confirm.	
9.	<b>Liquidated Damages (LD) for late delivery</b>	In case of delay in supply of material beyond the agreed contractual delivery, Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties. Please confirm.	
		<b>For Foreign Bidders:</b> The date of OBL (Original Bill of Lading)/ Air Way Bill (AWB) would be treated as the date of delivery for penalty purposes.	
		<b>For Indian Bidders:</b> The date of GR / LR would be treated as the date of delivery for penalty purposes.	
		In case of any deviation to the above penalty clause, BHEL reserves the right to load the offers to the extent to which it is not agreed by vendors (at offered value).	
10.	<b>SPECIAL INSTRUCTION S</b>	1. In addition to Packing Instructions given in BHEL Spec. No. ST48014 (Cl. No. 10), BHEL Spec No. ST33002 Cl. No 3.1A and 3.2B should be followed for packing of all items. <b>Please confirm.</b>	
		2. These items shall be dispatched in suitable "Wooden Boxes with Multiple Steel Strips Around" which can withstand Transit Movement, Local / Water." Environment and Moisture. <b>Please confirm.</b>	
		3. Following KKS TAG should be punched on items of Chandrapur Unit 5, Unit 6 and Mandatory Spares - <b>A. Unit 5 – Qty. 6 Nos.</b> TAG NOS - MAV10CL021, MAV10CL022 AND MAV10CL023, MAX11CL021, MAX11CL022 MAX11CL023 <b>B. Unit 6 – Qty. 6 Nos.</b> TAG NOS - MAV10CL021, MAV10CL022 AND MAV10CL023, MAX11CL021, MAX11CL022 MAX11CL023 <b>C. MANDATORY SPARE - QTY- 4 NOS.</b> UNIT 5 - 2 NOS UNIT 6 - 2 NOS  For items against Mandatory Spare respective range of the material code to be punched on the tag plate of this item and these shall be packed separately in a green coloured painted "wooden boxes with multiple steel strips around " which can withstand transit movement, local environment and moisture/ water." <b>Please confirm.</b>	
		4. These KKS TAGS shall also be listed on Drawing/ Datasheet/ Catalogue in case of P.O. <b>Please confirm.</b>	

(Signature of the Vendor with Seal)

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**ANNEXURE-A**

		5. Please confirm to submit the packing list before dispatch.	
11.	<b>Quality Requirements</b>	Please submit detail Quality Plan along with the offer in attached QP format for BHEL approval. Quality plan should be in line with ordering documents. Inspection shall be done by BHEL nominated inspection agency "INTERTEK" as per BHEL approved QP. The charges for carrying out inspection would be borne by BHEL; however, the Co-ordination with the Third Party Inspection agency would be the sole responsibility of the bidder.	
12.	<b>MDCC clause</b>	Please note that, material shall be dispatched only after issuance of Material dispatch clearance certificate (MDCC) by BHEL. For issuance of MDCC, you are required to submit all Certificate of Compliance and Test Certificates as per Ordering documents. BHEL will issue MDCC within 7 days of receipt of Certificate of Compliance and Test Certificates as per Ordering documents, if complete clear w.r.t. ordering documents. In case of any delay on account of BHEL, delivery shall be re-scheduled accordingly	
13.	<b>Guarantee/ Warranty</b>	Guarantee Certificate shall be provided as per spec i.e. 24 months from the date of despatch or 12 months from the date of commissioning, whichever is earlier. Please confirm. In case of any failure or trouble reported from site, the supplier should depute their representative immediately to attend the problem and replace the defective component/part if required. Please confirm. Supplier shall be responsible for free replacement of defective equipment / material at our site without any additional cost to BHEL.	
14.	<b>Applicable taxes &amp; duties:</b>	<p><b>For Indian Bidders:</b>  Since input credit of GST shall be available to BHEL, no loading of GST would be done for Indian Bidders. However, Indian Bidders are required to inform / confirm following:</p> <ul style="list-style-type: none"> <li>• Please inform applicable rate of GST.</li> <li>• Please Inform GST registration No.</li> <li>• Please inform whether supplier is registered under Composite scheme of GST. If yes, no GST would be paid by BHEL to such suppliers.</li> <li>• Please inform HSN code of material</li> <li>• Please note that in case entry of GST will not appear on BHEL's GST portal within due time as per GST law, GST amount will be recovered by BHEL from vendors for such invoices</li> </ul> <p><b>For Foreign Bidders:</b>  Presently Custom Duty is on <b>Merit</b> for present requirement. Custom duty applicable on <b>Merit</b> shall be considered for evaluation of offers of foreign bidders. Since input credit of IGST would be available to BHEL, hence the same shall not be considered in evaluation (i.e. Customer duty on Merit without IGST will be considered for evaluation offer of Foreign bidders).  Any new tax structure (like Goods &amp; Services Tax) as and when implemented by the Government of India shall become applicable in addition to or in lieu of existing tax structure. The evaluation of offers would be done as per the applicable Tax &amp; Duty structure, prevailing on the date of opening of Price Bid.</p>	



## 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-2021,Rev: 06)

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#### 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). In case of placement of order these conditions will become part of purchase order until unless the deviations are specifically agreed by BHEL.

#### 2. ORIGIN OF QUOTATION.

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

#### 3. SUBMISSION OF TENDER.

- 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.

- TENDER BOX is located at TENDER ROOM, Room No. - 415, 4<sup>th</sup> Floor, Main Admin. Building, BHEL-HEEP, Haridwar.

## 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-2021,Rev: 06)

- C) 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.
- D) The bid / quotation must be posted before due date, keeping allowance for postal transit time. 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.
- E) 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.
- F) 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](http://www.bhel.com).
- G) 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.

H) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 2 Crore or more.

I) In case of open tender, technically qualified unregistered bidders may apply online for registration through <http://www.bhel.com/index.php/vender>.

J) 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.

If the counter offer is to be given to other qualifying Vendor(s) (e.g. in case of splitting of order, MSE Vendors or the case of Purchase preference to make in India), then the basic price for each qualifying vendor has to be calculated taking the landed cost of the L1 vendor as reference. Basic price will be calculated by working backwards from the landed cost of L1 vendor in following manners;

### (1) Counter offer in case of MSE Vendor(s) or the case of Purchase preference to make in India:

Landed cost of L-1 vendor will be reduced by notional loading of late delivery penalty to the extent the same is not applicable to the vendor being counter offered. The result so arrived at will be put as landed cost and basic price to be counter offered will be worked backward therefrom in price structure of the concerned vendor.

### (2) Counter offer in case of Splitting:

Landed cost of L-1 vendor will be reduced by custom duty and notional loading of late delivery penalty to the extent the same is not applicable to the vendor being counter offered. The result so arrived at will be put as landed cost and basic price to be counter offered will be worked backward therefrom in price structure of the concerned vendor.

## 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-2021,Rev: 06)

If the basic price so computed is less than the basic price of the L1 vendor, then this basic price shall be counter offered, otherwise the basic price of L1 vendor shall be counter offered.

- K) 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.
- L) In case of e-Tendering (Online bidding through e portal), offline bid submitted in hard copy or in any other form by the vendor / supplier will not be accepted and will be rejected out rightly. Only e-portal bid will be accepted.

#### 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 on that particular day. General authorization letter is not acceptable.

**Note: - Foreign bidders willing to attend the bid opening has to provide the requisite documents to the concerned Purchase executives for arranging gate pass for them.**

#### 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 BHEL or without permission of BHEL.

#### 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) In case the vendor quotes the prices on CFR basis and BHEL accepts the delivery term on CFR, **0.25 %** (of CFR Value) towards port handling charges & **1.5 %** (of CFR Value) towards inland freight or actual freight charges as per BHEL freight rate contract whichever is higher, shall be loaded in the prices for ascertaining the landed cost to decide the comparative status of the prices.
- e) However, if BHEL agrees to accept the FOB delivery terms, the FOB prices shall be loaded **2.0%** (of FOB Value) towards sea freight, **0.25%** (of FOB Value) towards port handling charges & **1.5%** (of FOB value) towards inland freight for

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ascertaining the landed cost to decide the comparative status of the prices.

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

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

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

f1) Currency of Evaluation shall be INR.

**g) Evaluation of Indian Agents Commission:**

1. 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.
2. 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.
3. 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.

**h) While submitting your bids please clearly indicate:**

1. Expected weight of goods (lots wise).
2. The size of packed goods.
3. Whether the goods can be dispatched in containers?
4. Port of Loading.
5. Port of Discharge.

**7. REVERSE AUCTION.**

**Wherever RA is declared in the special terms and conditions of tender enquiry, following shall be applicable and Bidders to confirm the same:**

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

**8. DELIVERY TERMS.**

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

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- d) Any demurrage / Godown Rent payable to the Port Authorities due to any delay attributed by the supplier will be recovered from supplier's account.
- e) A certificate of origin (COO) sanctioned in country of origin from chamber of commerce of the manufacturing country is to be provided mandatorily. However, a certificate of origin (COO) from the countries under the restricted list of Govt. of India will not be acceptable.
- f) 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).
- g) Load port charges shall be settled by the supplier and not be passed on to BHEL in form of destination charges.
- h) 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).
- i) 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.
- j) 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.
- k) In case of CFR contract, bidder to supply the material through a Certified Sea worthy vessel.
- l) **The invoices being issued by shipping lines must be in the name of BHEL. Any loss in GST due to submission of discrepant document will be recovered from supplier / vendor.**
- m) 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.
- n) If cargo is stuffed in container, then the same should be allowed to be moved to CFS of importers choice without any additional charges.
- o) NNDs (Non Negotiable Documents) (preferably with OBLs) should be sent to BHEL as detailed in para "p" (below), 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@bhelh.in (in case of Sea Shipments)  
Email: [msair@bhel.in](mailto:msair@bhel.in) and [ppximx@bhel.in](mailto:ppximx@bhel.in) (in Case of Air shipments)  
For latest updating please refer our web site: <https://hwr.bhel.com>
- 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 shipments other than FOB, OBL should mention the container detention free period.

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VI. In case of placement of an Order, BHEL requests bidder to supply one Original Bill of Lading / AWB directly to BHEL-Mumbai office (Address at Para "p-II") with other non-negotiable documents to ensure timely clearance of goods. The other Original Bill of Ladings (BL) may be routed through bank based on the other agreed terms and conditions of purchase order.

### 9. LIQUIDATED DAMAGES (LD) FOR LATE DELIVERY.

#### a) Where items of Purchase Order are independently usable.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.

#### b) Where the total items are required for a main equipment and items are interdependent.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on total value of Purchase Order subject to maximum of 10% of the total value of Purchase Order. Purchase Order value for this purpose shall be the Total Gross Value payable to the vendor (Before LD) excluding taxes and duties.

"In case of CFR shipment where BHEL accepts the date of inspection as the date of delivery for the purpose of LD, the vendor has to ensure the shipment within 30 days for containerized cargo and 45 days maximum for Break bulk cargo from the date of inspection. Any delay, beyond this period, which is not attributable to BHEL shall be considered for application of LD."

"In case of FOB shipment, vendor has to intimate the readiness of cargo after inspection to BHEL nominated Freight forwarder minimum 15 days in advance for containerized cargo and 30 days in advance for Break bulk cargo before the FOB delivery date. The delay in shipment due to late intimation to BHEL nominated freight forwarder

and not attributable to BHEL will be considered for application of LD".

- c) 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.
- d) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.
- e) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.
- f) The delivery date for LD purpose will be the Bill of Lading Date/Air way bill.
- g) Payment of Liquidated Damages (LD) shall not in any way relieve the vendor from any of its obligations & liabilities under the contract.

### 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) 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.
- d) 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.

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- e) In case of payment after receipt and acceptance of material, 100% payment will be made within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment may get delayed.

**The loading criteria for the different payment terms shall be as under:**

Payment Terms	Days of Loading
After Receipt & Acceptance of material within 75 days of supply.	<b>No Loading</b>
Against Delivery at BHEL-Stores Haridwar.	<b>45</b>
Against documents through bank (CAD):	<b>45</b>
Letter of Credit (LC)	<b>120</b>
Usance LC	No Loading if usance period is > 120 Days.
	Loading of days difference i.e difference between 120 days and usance period if the usance period is < 120 days.
Advance	Delivery Period + 120 Days -Advance Payment 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](http://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 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).

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### 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.

- 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 LD 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

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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 or under General Law.

### 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.
- j) Pandemic or Epidemic.

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 the 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

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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 or to gain a commercial advantage. BHEL reserves the right to claim damages from the bidder, or take appropriate action as deemed fit against the bidder, for any infringement of the provisions contained herein as available under law or equity.

### 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 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 <https://hwr.bhel.com>. 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 AGM (SDX/MM) 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 <https://hwr.bhel.com>.
- 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.
- g) The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.  
In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.
- h) Supplier must upload digitally signed e-Invoice on B2B portal for processing of Bills.  
In other cases, inked signed hard copy of Invoice to be submitted for processing of Bills.

### 23. MAKE IN INDIA (GOVT-NOTIFICATION).

- A. This tender enquiry shall be governed by notification no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 of government of INDIA and subsequent circulars issued afterwards. Accordingly, the minimum local content, the margin of purchase preference and the procedure for preference to make in INDIA shall be adhered.
- B. The margin of purchase preference shall be 20%.

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- 'Class-I local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this order.
  - 'Class-II local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.
  - 'Non- local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this order.
- C. Vendor to specifically confirm if they are Class-I or Class-II local supplier or not as per above mentioned notification. Accordingly, the 'Class-I local supplier' / 'Class-II local Supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local Supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.
- D. In cases of Procurement for a Value in Excess of Rs. 10 Crores, the 'Class-I local supplier' / 'Class-II local Supplier' shall be required to provide a Certificate from the Statutory Auditor or Cost Auditor of the Company (in the case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies) giving the percentage of Local Content.
- E. Requirement of Purchase Preference:  
Purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified hereunder -
- a. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are divisible in nature, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:
    - i. Among All qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local
  - supplier', the contract for full quantity will be awarded to L1.
  - ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local supplier, then such balance quantity may also be ordered on the L1 bidder".
  - b. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:
    - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
    - ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
    - iii. In case such lowest eligible 'Class-I local supplier', fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference

## 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)

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shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 prices, the contract may be awarded to the L1 bidder.

- c. 'Class-II local supplier' will not get purchase preference in any procurement, undertaken by procuring entities.
- F. For this procurement, the local content to categorize a supplier as a Class-I local supplier/ Class-II local supplier/ Non-local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.
- G. Procurements where estimated value to be procured is less than Rs. 5 lakhs shall be exempted from GOI order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020.
- H. For procurement of Goods & Services which are divisible in nature, following shall be operated for **MSE bidders** under Public procurement Policy for the Micro and Small Enterprises (MSEs) Amendment Order, 2019, Ref. No. AA: SSP: MSE: Amndt, dtd. 30.11.2018, Circular No. 44 of 2018-19:-
- a. If L1 bid is not from "Class-I local Supplier" and price quoted by MSE bidder falls within the margin of Purchase preference (L1+15% for MSEs), then 25 % of total order quantity of respective item (rounded off to nearest number) shall be awarded to MSE bidder, subject to MSE bidder matching the L1 Price. Out of Remaining 75% quantity, distribution shall be operated as per below sub-clause (2) –
- b. If "Class- I Local Supplier" (Next to L1, other than MSE) quoted price falling within the Margin of Purchase Preference, and "Class-I local supplier" matches the L1 price, then 50% of remaining Quantity (after allocation of 25% to MSE) i.e. 37.5% shall be awarded to local supplier and 37.5% shall be awarded to foreign bidder.

*Note: L1 Price refers to lowest evaluated / landed cost to Company.*

For Further details, please refer GOI order no. P-45021 / 2 / 2017 - PP (BE-II) dated 04.06.2020.

### 24. RESTRICTIONS UNDER RULE 144(XI) OF THE GENERAL FINANCIAL RULES (GFRs), 2017

All provisions of Order No. F.No.6/18/2019-PPD of Department of Expenditure (DoE) shall be applicable for this tender enquiry (Order copy is available at <https://doe.gov.in/procurement-policy-divisions>). Accordingly, any bidder from a country which shares a land border with India (except the countries to which the Govt. of India has extended lines of credit or in which the Govt. of India is engaged in development projects for which list is available at <https://www.mea.gov.in/>) will be eligible to bid in this tender only if the bidder is registered with the Competent Authority as specified in Annex I of the said Order of DoE.

Updated list of the countries to which lines of credit have been extended or in which development projects are undertaken are available on the Ministry of External affairs website (<https://www.mea.gov.in/>)

For the purpose of this order, definition of Bidder from a country which shares a land border with India shall be same as defined in the Annex III of the said order.

Registration with the competent authority as stipulated in the said order is responsibility of bidder. Bidder has to submit a certificate certifying following along with offer:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that bidder (.... Name of Bidder) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that bidder (.....Name of bidder) fulfils all requirements in this regard and is eligible to be considered"

If the bidder is from such country which shares a land border with India evidence of valid registration by the Competent Authority shall also be attached along with offer."

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### 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.
- e) "BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below;
  1. **Victim:** Any person who suffers permanent disablement or dies in an accident as defined below.
  2. **Accident:** Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing / operation and works incidental thereto at BHEL factories/ **offices and precincts** thereof , project execution , erection and commissioning, services, repairs and maintenance, trouble

shooting, serving , overhaul, renovation and retrofitting , trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ project sites.

### 3. Compensation in respect of each of the victims:

- (i) In the event of death or **permanent disability** resulting from **Loss of both limbs:** Rs. 10,00,000/-(Rs. Ten Lakh).
- (ii) In the event of **other permanent disability:** Rs. 7,00,000/- (Rs. Seven Lakh).

Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2(I) of the Employees Compensation Act, 1923."

- f) The bidder shall be in compliance with applicable laws, rules and regulations throughout the terms of the contract for conducting its business generally and to perform its obligations under this contract.

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



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### 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). In case of placement of order these conditions will become part of Purchase Order (P.O) until unless the deviations are specifically agreed by BHEL.

### 2. ORIGIN OF QUOTATION.

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

### 3. SUBMISSION OF TENDER.

- 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.**

- TENDER ROOM is located at: Room No. - 415, 4<sup>th</sup> Floor, Main Admin. Building, BHEL-HEEP, Haridwar.

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- c) 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.
- d) The bid / quotation must be posted before due date, keeping allowance for postal transit time. 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.
- e) 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.
- f) 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](http://www.bhel.com).
- g) 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.
- h) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 2 Crore or more.
- i) In case of open tender, technically qualified unregistered bidders may apply online for registration through <http://www.bhel.com/index.php/vender>.
- j) 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.
- k) In case of e-Tendering (Online bidding through e-portal), offline bid submitted in hard copy or in any other form by the vendor / supplier will not be accepted and will be rejected out rightly. Only e-portal bid will be accepted.

#### 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 on that particular day. General authorization letter is not acceptable.

***Note: - Foreign bidders willing to attend the bid opening has to provide the requisite documents to the concerned Purchase executives for arranging gate pass for them.***

#### 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.

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



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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 BHEL or without permission of BHEL.

### 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.
- 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) Any demurrage / godown rent payable to the transporter / or to godown's owner due to any delay attributed by the supplier shall be recovered from supplier's account.

j) Currency of Evaluation shall be INR.

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

### 7. REVERSE AUCTION.

**Wherever RA is declared in the special terms and conditions of tender enquiry, following shall be applicable and Bidders to confirm the same:**

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

### 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%.



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### 9. LIQUIDATED DAMAGES (LD) FOR LATE DELIVERY.

#### a) Where items of Purchase Order are independently usable.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.

#### b) Where the total items are required for a main equipment and items are interdependent.

Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on total value of Purchase Order subject to maximum of 10% of the total value of Purchase Order. Purchase Order value for this purpose shall be the Total Gross Value payable to the vendor (Before LD) excluding taxes and duties.

#### c) 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.

#### d) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.

#### e) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.

#### f) DELIVERY IN CASE OF REJECTION: In case the material is rejected, then date of replacement will be considered as the actual date of delivery.

#### g) DELIVERY AGAINST BANK DOCUMENTS: In case payment terms quoted by bidder are documents through bank, and 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 LD purpose.

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

i) Payment of Liquidated Damages (LD) shall not in any way relieve the vendor from any of its obligations & liabilities under the contract.

### 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.

#### d) 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment of vendor may get delayed.

#### e) For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act.

#### f) Adherence to the above time schedule of payment is contingent upon Vendor complying with GST Rules w.r.t availment of Input Tax Credit by BHEL.

#### g) In case GST credit is delayed / denied to BHEL, due to non / delayed receipt of goods and / or tax invoice or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reason not attributable to BHEL, GST amount shall be recoverable from Vendor along with interest levied / leviable on BHEL.

#### h) The taxes and duties that are reimbursed would be the ones applicable as on the contractual Purchase order delivery date or the amount actually paid whichever is less.

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Payment Terms	Days of Loading
After Receipt & Acceptance of material within 75 days of supply.	<b>No Loading</b>
Against Delivery at BHEL-Stores Haridwar.	<b>45</b>
Against documents through bank (CAD):	<b>45</b>
Letter of Credit (LC)	<b>120</b>
Usance LC	No Loading if usance period is > 120 Days.
	Loading of days' difference i.e. difference between 120 days and usance period if the usance period is < 75 days.
Advance	Delivery Period + 120 Days - Advance Payment Days.

**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 the price must be indicated separately. In case quantum of IGST is not mentioned by the bidder the same will not be considered for





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evaluation. However, bidder will have to pass on the benefit of IGST to BHEL at the time supply.

- l) 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](http://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 LD 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 or under General Law.

### 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.
- j) Pandemic or Epidemic.

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 or to gain a commercial advantage. BHEL reserves the right to claim damages from the bidder, or take appropriate action as deemed fit against the bidder, for any infringement of the provisions contained herein as available under law or equity.

### 21. SETTLEMENT OF DISPUTES / ARBITRATION.

In case of any dispute arising out of as in connection with this contract, the same shall be referred to arbitration under Arbitration & Conciliation Act 1996 of a sole arbitrator who shall be appointed by mutual consent of the parties. The seat & venue of arbitration shall be Haridwar.

The proceedings shall be conducted in English. The Governing law of contract shall be the substantive law of India.

### 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



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(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) or vendor has to give Udyog Adhar Memorandum (UAM). 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 require document are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer. **UAM need not required to be notarized or attested.**

**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. Udyog Adhar Memorandum (UAM).
2. Valid National Small Industries Commission (NSIC) Certificate.
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. However, credentials of all MSE suppliers will be verified before advancing the intended benefits.
6. 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.
7. 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 **25%** 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 **25%** quantities of respective items will be considered for ordering on proportionate basis amongst MSE bidders.

8. There will be minimum of **3%** reservation for women owned MSEs within the above mentioned 25% reservation.
9. The reservation for MSEs owned by SC/ST will be **6.25%** { 25% out of target of 25% - refer para 4 of Public Procurement Policy for the Micro and Small Enterprises(MSEs)}.
10. The definition of MSEs owned by Women Entrepreneurs is clarified as under:
  - a) In case of proprietary MSE, proprietor shall be Woman.
  - b) In case of partnership MSE, the Woman partners shall be holding at least 51% of share in the unit.
  - c) In case of Private Limited companies, at least 51% share shall be held by Women promoters.
11. The definition of MSEs owned by SC/ST is clarified as under:
  - a) In case of proprietary MSE, proprietor(s) shall be SC/ST.
  - b) In case of partnership MSE, the SC/ST partners shall be holding at least 51% of shares in the unit.
  - c) In case of Private Limited companies, at least 51% share shall be held by SC/ST promoters.
12. While distributing the **25%** 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.
13. 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.
14. 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.
15. If L1 bidder is MSE bidder, entire quantity will be given to such MSE bidder only.



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16. Note: It may however be noted that MSE guidelines as on date (Date of Technical Bid Opening Part-1) shall prevail.

17. "As per the OM No. F.No. 1(2)(1)/2016-MA dtd. 09.02.2017 issued from the Office of Development Commissioner (Micro, Small & Medium Enterprises), "Traders and agents should not be allowed to avail the benefits extended under the PP Policy."

In view of this, it is clarified that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc. for the items offered but not manufactured by themselves."

### 24. INFORMATION TO THE BIDDERS.

a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website <https://hwr.bhel.com>. 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 AGM (SDX/MM) 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 <https://hwr.bhel.com>

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

e) The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines.

f) Supplier must upload digitally signed e-Invoice on B2B portal for processing of Bills.

In other cases, inked signed hard copy of Invoice to be submitted for processing of Bills.

### 25. MAKE IN INDIA (GOVT-NOTIFICATION).

A. This tender enquiry shall be governed by notification no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 of government of INDIA and subsequent circulars issued afterwards. Accordingly, the minimum local content, the margin of purchase preference and the procedure for preference to make in INDIA shall be adhered.

B. The margin of purchase preference shall be 20%.

- 'Class-I local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this order.
- 'Class-II local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.
- 'Non- local Supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this order.

C. Vendor to specifically confirm if they are Class-I or Class-II local supplier or not as per above mentioned notification. Accordingly, the 'Class-I local supplier' / 'Class-II local Supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local Supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.

D. In cases of Procurement for a Value in Excess of Rs. 10 Crores, the 'Class-I local supplier' / 'Class-II local Supplier' shall be required to provide a Certificate from the Statutory Auditor or Cost Auditor of the Company (in the case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies) giving the percentage of Local Content.



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### E. Requirement of Purchase Preference:

Purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified hereunder -

a. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are divisible in nature, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among All qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
- ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local supplier, then such balance quantity may also be ordered on the L1 bidder".

b. In the procurements of goods or works, which are covered by para 3(b) of mentioned Govt. circular and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'class-I local supplier' shall get purchase preference over 'Class-II supplier' as well as 'Non-local supplier', as per following procedure:

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
- ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling

within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.

iii. In case such lowest eligible 'Class-I local supplier', fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 prices, the contract may be awarded to the L1 bidder.

c. 'Class-II local supplier' will not get purchase preference in any procurement, undertaken by procuring entities.

F. For this procurement, the local content to categorize a supplier as a Class-I local supplier/ Class-II local supplier/ Non-local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

G. Procurements where estimated value to be procured is less than Rs. 5 lakhs shall be exempted from GOI order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020.

H. For procurement of Goods & Services which are divisible in nature, following shall be operated for **MSE bidders** under Public procurement Policy for the Micro and Small Enterprises (MSEs) Amendment Order, 2019, Ref. No. AA: SSP: MSE: Amndt, dtd. 30.11.2018, Circular No. 44 of 2018-19;-

a. If L1 bid is not from "Class-I local Supplier" and price quoted by MSE bidder falls within the margin of Purchase preference (L1+15% for MSEs), then 25 % of total order quantity of respective item (rounded off to nearest number) shall be awarded to MSE bidder, subject to MSE bidder matching the L1 Price. Out of Remaining 75% quantity, distribution shall be operated as per below sub-clause (2) –

b. If "Class- I Local Supplier" (Next to L1, other than MSE) quoted price falling within the Margin of Purchase Preference, and "Class-I local supplier" matches the L1 price,



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then 50% of remaining Quantity (after allocation of 25% to MSE) i.e. 37.5% shall be awarded to local supplier and 37.5% shall be awarded to foreign bidder.

*Note: L1 Price refers to lowest evaluated / landed cost to Company.*

For Further details, please refer GOI order no. P-45021 / 2 / 2017 - PP (BE-II) dated 04.06.2020.

### 26. RESTRICTIONS UNDER RULE 144(XI) OF THE GENERAL FINANCIAL RULES (GFRs), 2017

All provisions of Order No. F.No.6/18/2019-PPD of Department of Expenditure (DoE) shall be applicable for this tender enquiry (Order copy is available at <https://doe.gov.in/procurement-policy-divisions>). Accordingly, any bidder from a country which shares a land border with India (except the countries to which the Govt. of India has extended lines of credit or in which the Govt. of India is engaged in development projects for which list is available at <https://www.mea.gov.in/>) will be eligible to bid in this tender only if the bidder is registered with the Competent Authority as specified in Annex I of the said Order of DoE.

Updated list of the countries to which lines of credit have been extended or in which development projects are undertaken are available on the Ministry of External affairs website (<https://www.mea.gov.in/>)

For the purpose of this order, definition of Bidder from a country which shares a land border with India shall be same as defined in the Annex III of the said order.

Registration with the competent authority as stipulated in the said order is responsibility of bidder. Bidder has to submit a certificate certifying following along with offer:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that bidder (.... Name of Bidder) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that bidder (.....Name of bidder) fulfils all requirements in this regard and is eligible to be considered"

If the bidder is from such country which shares a land border with India evidence of valid registration by the Competent Authority shall also be attached along with offer."

### 27. NOTE.

- Special conditions of enquiry, if enclosed by BHEL, will supersede the respective standard / general terms of enquiry.
  - Any other Standard terms and Conditions of the bidder attached / referred against the tender enquiry will be treated as null and void ab initio.
  - 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>
  - 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.
  - "BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below;
- Victim:** Any person who suffers permanent disablement or dies in an accident as defined below.
  - Accident:** Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious

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





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occurrence caused during the manufacturing / operation and works incidental thereto at BHEL factories/ **offices and precincts** thereof , project execution , erection and commissioning, services, repairs and maintenance, trouble shooting, serving , overhaul, renovation and retrofitting , trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ project sites.

### 3. Compensation in respect of each of the victims:

- (i) In the event of death or **permanent disability** resulting from **Loss of both limbs**: Rs. 10,00,000/- (Rs. Ten Lakh).
- (ii) In the event of **other permanent disability**: Rs. 7,00,000/- (Rs. Seven Lakh).

4. Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2(l) of the Employees Compensation Act, 1923."

f) The bidder shall be in compliance with applicable laws, rules and regulations throughout the terms of the contract for conducting its business generally and to perform its obligations under this contract.

**On the Company letterhead**

## **Certificate**

**Subject: Certificate for Minimum Local Content under PPP-MII Order No. P-45021/2/2017-PP (BE-II) Dated 04/06/2020 of Government of India.**


In line with Government Public Procurement Order No. **P-45021/2/2017-PP (BE-II) Dated 04/06/2020**, we hereby certify that we hereby certify that we M/s \_\_\_\_\_ (supplier name) are local supplier. The percentage of local content in the items \_\_\_\_\_ offered by us against Enquiry No. \_\_\_\_\_ is \_\_\_\_\_% (percentage).

Details of location at which local value addition will be made is as follows:


Sl. No.	Location Detail	% age of Local content (i.e. Local Value addition made at the location)

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Supplier

दिनांक एवं हस्ताक्षर SIGN & DATE		<b>उत्पाद मानक</b>  <b>PRODUCT STANDARD</b>  <b>STEAM TURBINE ENGINEERING</b>  <b><u>BASED ON - OWN EXPERIENCE</u></b>	<b>ST- 48014</b>  पृष्ठ 6का 1  Page 1 of 6
सामग्री सूची संख्या INVENTORY NO.	<b><u>GUIDED WAVE RADAR TYPE LEVEL TRANSMITTER</u></b>		
स्वतंत्रताधिकार एवं गोपनीय COPYRIGHT AND CONFIDENTIAL <small>The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.</small>	<b>0.0 SCOPE:</b>  This specification covers the requirement of liquid level Transmitter with load Independent 4-20 mA D.C. output in the Tanks/Chamber for Turbine oil / Fire-retardant fluid (phosphoric ester) used in Thermal power plants.		
<b>1.0 DESIGNATION:</b>  The Transmitter S=1500 (variant 001) of table 1 shall be designated as : (Length L shall be as per vendor approved drawing)			
<b>1.1</b> On Drawing i) Drg.No. Col. : ST 48014.001 ii) Description Col.: GWR LEVEL TRANSMITTER,S=1500 mm iii) Material Specn. : ST 48014  For purchase indents : GWR LEVEL TRANSMITTER,S=1500. ST 48014.001			
<b>2.0 COMPLIANCE WITH NATIONAL STANDARD:</b>  No Indian standard exists, assistance taken from supplier catalogues.			
<b>3.0 TECHNICAL REQUIREMENT:</b>  The Transmitter shall be complete with sensor, electronic unit, plug receptacle connector etc. as per details below. The basic measurement function shall be based on Guided Wave Radar (GWR) technology using TDR (Time domain reflectometry) principle.  <b>The transmitter shall be suitable for tank having Turbulence &amp; Foam environment.</b>			
हस्ताक्षर एवं दिनांक SIGN & DATE  6.11.07	PSC member TSX QAX  सहमत विभाग AGREED DEPTT.	नाम NAME  दिनांक एवं हस्ताक्षर DATE & SIGNATURE	अनुवादक TRANSLATED BY  निर्माणकर्ता WORKED BY  परीक्षणकर्ता CHECKED BY  पर्यवेक्षणकर्ता SUPERVISED BY
			नाम NAME  दिनांक एवं हस्ताक्षर DATE & SIGNATURE  B S RANA
सामग्री सूची संख्या INVENTORY NO.  P-6362	<b>REAFFIRM</b>		स्वीकृति : APPROVED : K B BATRA  निर्माण : PREPARED जारी : ISSUED TSX (HEEP) HWR  दिनांक : DATE 30/10/07
	REV. NO. 01  Date 10.12.19	WORKED BY BRIJLAL  CHECKED BY ASHUTOSH	NAME SIGN & DATE Brijlal 10/12/19 Ashutosh 14/01/2020
CHANGE ADVISE NO.		STE-19-80	



		<b>उत्पाद मानक</b> <b>PRODUCT STANDARD</b> <b>STEAM TURBINE ENGINEERING</b>		<b>ST- 48014</b>									
				पृष्ठ 6 का 2 Page 2 of 6									
सामग्री सूची संख्या को अधिकतम करता है। INVENTORY NO		<b>3.1 SENSORS:</b>  The sensor shall be based on GWR principle and shall be coaxial type probe as per typical dimensions given in fig 1.  High frequency pulses, shall be transmitted down the probe. The pulses get reflected by the Oil surface, received by the electronic evaluation unit, and converted into level signal by measuring the transit time.  The measuring span of the probe for different applications is given in Table-1. The Probe shall be designed for maximum operating temperature of 150°C and pressure of 5 bar.											
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स्वत्वधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।		<b>3.3 Electronics Unit:</b>  The Electronics Unit shall be arranged at top of the probe and out side the tank. The output signal shall be amplified and processed for the desired output. The Electronic unit shall have provision of adjustment and calibration. The measuring range shall be adjustable so that the output can be calibrated for any range between 0-50% to 0-100% of the span S (ref.fig.1). Provision shall be made to shift the range above or below so as to cover the entire length of the probe. Other requirements are given below.											
इस्तादर एवं दिनांक SIGN & DATE 6.11.07		<b>3.3.1 Measuring range (Span) :</b> As specified in the enquiry (Refer Fig.1 & Table 1) <b>Adjustability of Measuring range (Span):</b> From 0-100% span to 0-50 % of span.											
सामग्री सूची संख्या INVENTORY NO P-6362		<b>3.3.2 Output..... :</b> 4 to 20 mA Galvanically isolated D.C. for burden up to 600 ohm for any range as specified at clause 3.3.1 with superimposed HART signal.											
		<b>3.3.3 Local display..... :</b> Alphanumeric LCD Display											
		<b>3.3.4 Power supply .....:</b> 24 V DC nom. (variation from 20 to 30 V) 2 Wire, loop powered											
		<b>3.3.5 Accuracy.....:</b> +/- 0.2% of full span.											
		<b>3.3.6 Protection class :</b> IP 66.(IS-13947).											
		<b>3.3.7 Housing :</b> Cast Aluminium Stoving enamel painted, weather proof, top mounting.											
REV NO. 01		<table border="1"> <tr> <td>निर्माणकर्ता Worked by</td> <td>JSB</td> <td>DBhandi</td> <td>25.10.07</td> </tr> <tr> <td>जांचकर्ता Checked by</td> <td>SKS</td> <td>BSH</td> <td>27/10/07</td> </tr> </table>				निर्माणकर्ता Worked by	JSB	DBhandi	25.10.07	जांचकर्ता Checked by	SKS	BSH	27/10/07
निर्माणकर्ता Worked by	JSB	DBhandi	25.10.07										
जांचकर्ता Checked by	SKS	BSH	27/10/07										



उत्पाद मानक

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PRODUCT STANDARD  
STEAM TURBINE ENGINEERING

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सामग्री सूची संख्या  
INVENTORY NO

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स्वत्वधिकार एवं गोपनीय

इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग एवं प्रसारण अन्य किसी भी प्रकार से बिना इस दस्तावेज के बिना न होना चाहिए।

हस्ताक्षर एवं दिनांक  
SIGN & DATE

सामग्री सूची संख्या  
INVENTORY NO

3.3.8 Ambient temperature : 0°C to 70°C

3.3.9 Process connection : Threaded G 1 1/2"

3.3.10 Electromagnetic capability : Shall meet EN 61326-1(1997) class A equipment / EN50081 & EN 3008 1-2 & EN50082-2.

3.3.11 Configuration : It shall be possible to configure the transmitter locally with a key pad provided on the electronic unit as well as with a Universal Hand Held **HART Calibrator** . PC based Software for configuration and diagnostics of the unit shall be provided.

3.3.12 Calibration : It shall be possible to calibrate the transmitter in the field without actually filling/ draining of tank.

**4.0 SURFACE PROTECTION OF ELECTRONIC UNIT:**

The external surface shall be so treated that it can withstand a sustained environment of phosphoric ester fumes at 70° C and/or turbine oil at 70° C.

**5.0 IDENTIFICATION:** A blank stainless steel tag of size 60x20 mm shall be fastened with each transmitter.

**6.0 TESTS:**

**6.1 ROUTINE TESTS : -**

Following tests should be carried out by the supplier on each piece of transmitter.

6.1.1 Visual and dimensional check.

6.1.2 Calibration test.

6.1.3 Functional test for adjustable range and HART Capability.

6.1.4 Accuracy test.

6.1.5 Burn in test for electronics (for 48 hrs. at 55 °C.)

**6.2 TYPE TESTS : -** The following Type test are to be carried out for Electronic unit as per IEC 60068. In case already carried out then Type test reports to be submitted (Ref Clause 9.0).

- Damp Heat Test
- Temperature Cycle Test
- Dry Heat Test
- Vibration Test
- Protection Class

REV NO.  
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निर्माणकर्ता  
Worked by

J.S.B

25/11/07

जांचकर्ता  
Checked by

S.K.S

25/11/07





उत्पाद मानक

ST- 48014

# PRODUCT STANDARD

## STEAM TURBINE ENGINEERING

पृष्ठ 6 का 4

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सामग्री सूची संख्या  
को अधिकतम करता है। INVENTORY NO

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इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग एवं अंतरिक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।

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SIGN & DATE

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**7.0 TEST CERTIFICATE:**

Each piece of Transmitter shall accompany with 3 copies of the tests certificate with:

- Name of instrument.
- Name of manufacturer.
- Serial no of the instrument.
- Date of testing.

Results of the test detailed in clause 6.0

**8.0 GUARANTEE CERTIFICATE:**

Each piece of transmitter shall accompany a guarantee certificate for trouble free performance for 24 months from the date of shipment or 12 months from the date of commissioning, which ever is earlier.

**9.0 DOCUMENTS TO BE SUBMITTED WITH OFFER:**

Three copies of detail technical literature including **Datasheet**, Erection , Commissioning and maintenance instructions and Type test reports for approval by BHEL.

**10.0 PACKING:**

Each transmitter with dehydrating agent shall be sealed individually in a polythene sheet and packed in a thermocole box. Such boxes shall be packed in a carton or case with adequate cushioning material to withstand normal transit risk.

- 11.0** Bidder shall enclose the list of spare parts required for 3 years normal operation and quote for the same separately.

**12.0 QUALITY PLAN:**

Detail quality plan for the tests and checks to be carried out during material induction , manufacturing and at final stage shall be submitted in BHEL's format alongwith in house standard procedures / normal for BHEL's approval.

**13.0 MARKING:**

The following details shall be marked on the packing case.

- Manufacturer's name or trade mark.
- BHEL order number.

REV NO.  
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निर्माणकर्ता

Worked by

J.S.B

J.Bha

25/10/07

जांचकर्ता

Checked by

S.K.S.

Bha

25/10/07



उत्पाद मानक

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**PRODUCT STANDARD**  
**STEAM TURBINE ENGINEERING**

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को अधिकतम करता है। INVENTORY NO.

**14.0 NAME PLATE:**

Each instrument shall have a name plate marked on it the following:

- (a) Manufacturer's name or trade mark.
- (b) Type of the Instrument.
- (c) Model No. of the Manufacturer.
- (d) Range of Measurement.
- (e) Accuracy.

**15.0 ELECTRICAL CONNECTIONS:**

Input /output connections - 3 Pin Plug Metallic receptacle connector(Amphetronics /Allied make or equivalent). Male part of the connector will be fixed with the Transmitter.

**16.0 CROSS REFERRED STANDARDS:** IS-13947, IEC-60068.

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इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इस्तेमाल के बिना इसका प्रसारण अथवा इसकी प्रतिलिपि बनाना या किसी अन्य व्यक्ति को इसकी प्रतिलिपि बनाने की अनुमति देना गैर कानूनी है।

**TABLE - 1**

MEASURING SPAN "S" IN mm (AS SHOWN IN FIG-1)	SIZE NO OF ST 48014
1500	001
1000	002
750	003

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सामग्री सूची संख्या  
INVENTORY NO.

REV NO.  
01

निर्माणकर्ता  
Worked by

जांचकर्ता  
Checked by

JSR

SKS

DBhane

QMH

25.10.07

25/10/07

<div>हस्ताक्षर और दिनांक SIGN &amp; DATE</div>		<div>उत्पाद मानक</div> <div>PRODUCT STANDARD</div> <div>STEAM TURBINE ENGINEERING</div>	<div>ST - 48014</div> <div>पृष्ठ 6 का 6</div> <div>Page 06 of 06</div>
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<div>सामग्री सूची संख्या INVENTORY NO.</div>
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इस प्रलेख में दी गई सूचना भारत भारती इलेक्ट्रिकल्स लिमिटेड की  
संपत्ति है। इसका प्रत्यक्ष या अप्रत्यक्ष रूप में किसी भी तरह  
प्रयोग नहीं किया जाए जो कंपनी के हित में हानिकारक हो।

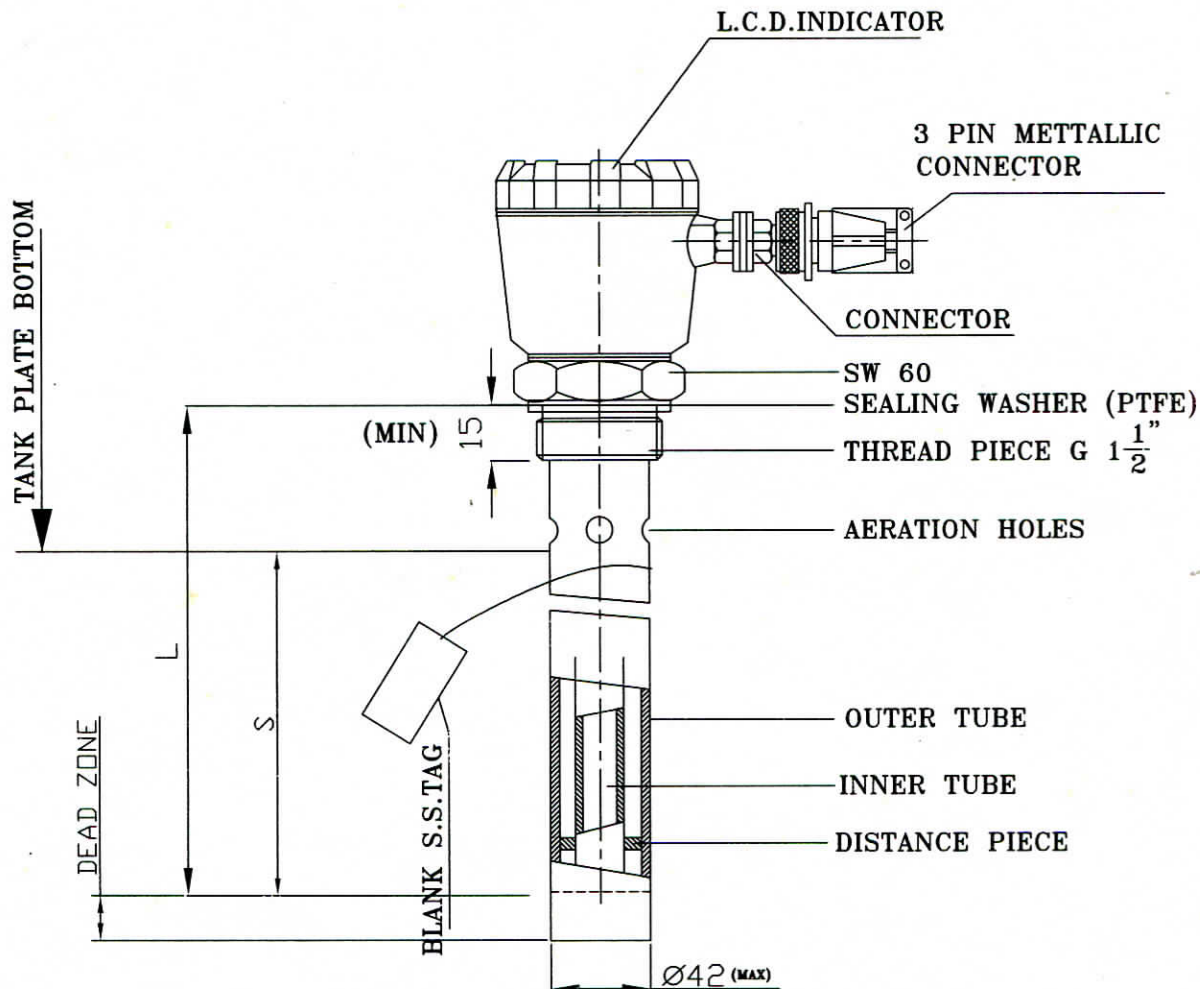



FIG. 1

NOTE:--



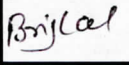
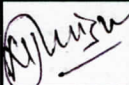
SHAPE OF THE TRANSMITTER INDICATED IN THE  
DWG IS TYPICAL. ACTUAL SUPPLY SHALL BE AS  
PER VENDOR DWG APPROVED BY B.H.E.L.




<div>हस्ताक्षर और दिनांक/SIGN &amp; DATE</div> <div>6.11.07</div>	<div>सामग्री सूची संख्या INVENTORY NO.</div> <div>P-6362</div>	<div>REV NO</div> <div>01</div>	<div>निर्माणकर्ता Worked by</div> <div>J.S.B.</div> <div>जांचकर्ता Checked by</div> <div>S.K.S.</div>	<div>25.10.07</div> <div>27.10.07</div>	<div></div>
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दिनांक एवं हस्ताक्षर SIGN & DATE		<h2 style="margin:0;">उत्पाद मानक (हीप : हरिद्वार)</h2> <h3 style="margin:0;">PRODUCT STANDARD (HEEP: HARIDWAR)</h3>	ST33002
SUPERSEDES INVENTORY NO.	पृष्ठ 10 का 1 Page 1 of 10		
मातृगी सूची संख्या को अधिकृतित करना है	<b>BASED ON OWN EXPERIENCE</b>		
<h3><u>GENERAL AND SEAWORTHY PACKING INSTRUCTIONS FOR TURBINE INSTRUMENTATION EQUIPMENT &amp; ACCESSORIES</u></h3>			
<h4>1.0 SCOPE:</h4> <p>This instruction covers the packing instruction for the safe dispatch and delivery of turbine instrumentation equipment like Electronic modules/ components, Indicator, Recorders, Transmitter, gauges, switches and other allied items, control cabinets &amp; desks, Fitting, mounting accessories, impulse pipe lines and other related equipment and accessories.</p>			
<h4>2.0 INTRODUCTION:</h4> <p>The Turbine instrumentation equipment, components, cabinets and other accessories are of precision storage and special packaging is necessary to ensure safe transit and delivery of these items at the sites. Packaging should be done to protect these sophisticated and precision items against damage by means of shocks and vibration during handling and transportation, moisture, dust and other adverse climatic and environmental conditions. This specification is arranged in section as below:</p> <ul style="list-style-type: none"> <li>- <b>SECTION A:</b> General packaging instructions common for all categories of items.</li> <li>- <b>SECTION B:</b> Electronic modules, instruments &amp; allied items.</li> <li>- <b>SECTION C:</b> Starter panels.</li> <li>- <b>SECTION D:</b> Fitting, mounting accessories and</li> <li>- <b>SECTION E:</b> Impulse pipes.</li> </ul>			
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p style="text-align: center;"><b>स्वत्वाधिकार एवं गोपनीय</b></p> <p style="font-size: small;">इस सूचना में दी गई सूचना भारत के ही गोपनीयता अधिनियम की समिति है इसका प्रकाश एवं प्रसारण इस सूचना के बिना ही प्रयोग में कि कंपनी के हित में हानिकारक हो न किया जाए।</p> </div> <div style="width: 65%;"> <p style="text-align: center;"><b>सहमत विभाग</b></p> <p style="text-align: center;">AGREED DEPTT.</p> </div> </div>			
दिनांक एवं हस्ताक्षर SIGN & DATE	दिनांक एवं हस्ताक्षर SIGNATURE & DATE	नाम NAME	
मातृगी सूची संख्या INVENTORY NO.	मातृगी सूची संख्या INVENTORY NO.	मातृगी सूची संख्या INVENTORY NO.	
STE	D.K. RAY	अनुवादक TRANSLATED BY	BRIJ LAL RAM
QAX	S. Chandra	निर्माणकर्ता WORKED BY	LAXMI KANT MISHRA
TSX	LALIT KUMAR	जांचकर्ता CHECKED BY	VINOD KUMAR
SUPERSEDES	स्वीकृति APPROVED : B.S.RANA	Gr. NO. ST6.18	
REV.NO.	02	निर्माण PREPARED : C.I.E	जारी ISSUED : TSX
Dt.	15.03.18	दिनांक DATE : 16.03.81	
CHANGE ADVICE NO.	STE-18-02	15.03.18	





दिनांक एवं हस्ताक्षर SIGN & DATE			उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002 पृष्ठ 10 का 2 Page 2 of 10	
सामग्री सूची संख्या को प्रतिबिम्बित करता है SUPERSEDES INVENTORY		<p><b>3.0 PACKAGING INSTRUCTIONS :</b></p> <p><b>3.1 (A) GENERAL :</b></p> <ul style="list-style-type: none"> <li>(i) The packaging should be done in a clean, dust free packing area/room.</li> <li>(ii) Wherever possible, the original packing materials like thermocol box/ chips, packing paper, board, cotton waste, rubberized coir, wood wool etc. should be used for packaging of these equipments etc.</li> <li>(iii) All the items should be thoroughly checked for any possible mechanical damage/ distortion/ dents and rust/ corrosion etc. Appropriate rectification measures should be taken to remove such defects and if required engineering division should be consulted.</li> <li>(iv) While packaging, all the items should be temporarily stored on raised wooden platform covered with clean parchment paper.</li> <li>(v) The repacking of all the bought out items must be done in the original way as they were received from the manufacturers/ suppliers. It must be ensured that the polythene bags are properly sealed, air tight and sufficient cushioning with rubberized coir or wood wool has been provided to various items and containers/ boxes.</li> <li>(vi) The packing box should be made water proof by putting a continuous barrier of water- proof bitumen paper/craft paper over the internal surfaces of the box to make it sufficiently impervious to water, and small silica gel bags suitably placed inside the packages. This can be done by using tar felt on the top of all the boxes. It should project by 50mm on all the sides and projected part should be nailed and overlap of the tar felt should be avoided.</li> <li>(vii) The packaging should be done in such a way that the individual instruments/ containers/ boxes do not have relative movement inside the packing box during handling and transportation. Sufficient stiffness should be provided on the packing boxes to withstand mechanical shocks/ vibrations and other transit hazards.</li> <li>(viii) Wherever necessary, threaded/ machined portion should be coated with grease and wrapped with wax paper and tied with thread. Alternatively, threaded part may be wrapped with corrugated paper.</li> </ul>				
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स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी एलेक्ट्रिकल्स लिमिटेड की सम्पत्ति है, इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, ओर कि कंपनी के हित में हानिकारक हो न किया जाय।						
दिनांक एवं हस्ताक्षर SIGN & DATE						
सामग्री सूची संख्या INVENTORY NO. P-5284	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM		23/03/18
			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		23/03/18


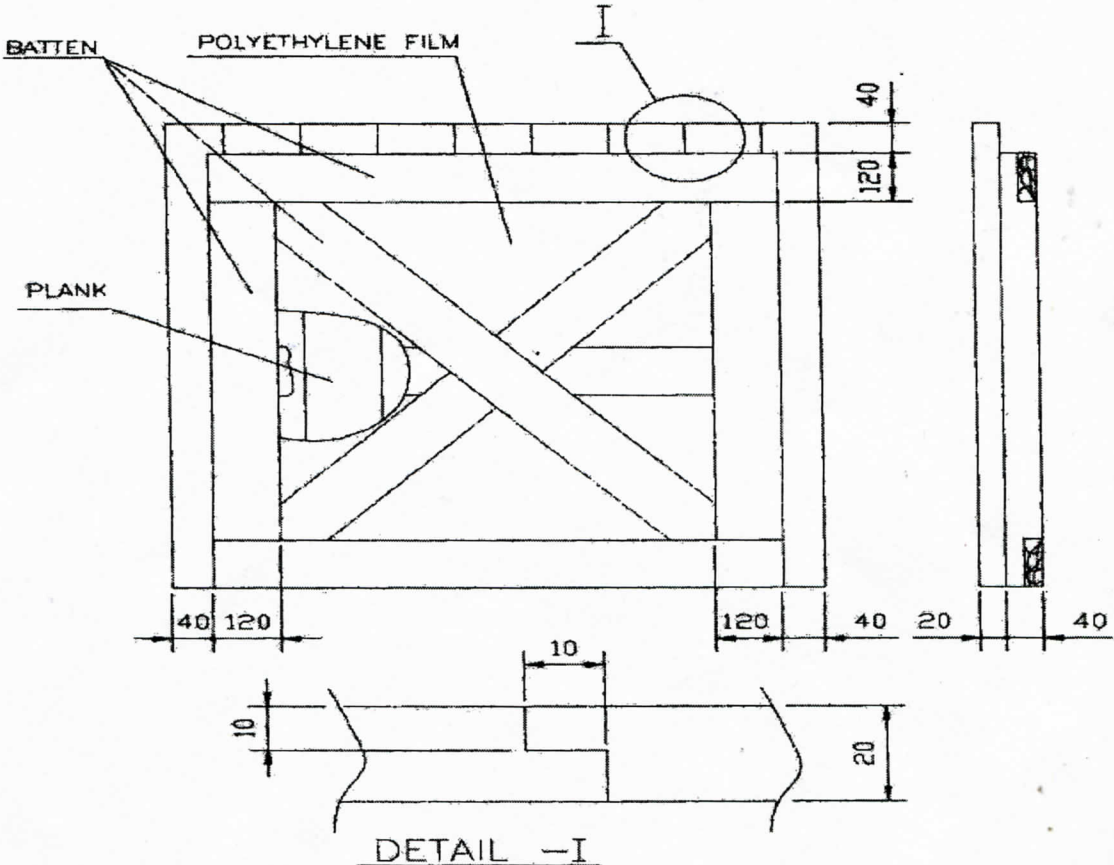

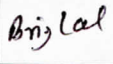
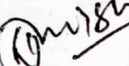
दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002	
				पृष्ठ 10 का 3 Page 3 of 10	
SUPERSEDES INVENTORY	<b>3.2 (B) ELECTRONIC MODULES INSTRUMENTS AND ALLIED ITEMS:</b> <ul style="list-style-type: none"> <li>(i) All the Electronic modules/instruments and accessories should bear respective tag numbers as indicated in the shipping list.</li> <li>(ii) Individual instruments like indicators, recorders, transmitters, gauges, switches, detectors and electronic modules/ components should be sealed air tight in polythene bags which should contain silica gel in small bags of cotton cloth. Also volatile corrosion inhibitor (VCI) powder on table can be put in the bags/boxes containing the instruments.</li> <li>(iii) After sealing in polythene bags these items should be packed in small sized boxes, preferably original ones, with sufficient thermocol chip/ molded thermocol box/ card board box as the case may be. These boxes should be packed with sticking cello tapes and cotton tapes.</li> <li>(iv) The outside of these smaller boxes should carry dispatch unit number, packing box number and the tag number of the instrument/ equipment as shown in the shipping list.</li> <li>(v) Number of such small sized boxes should be kept in bigger sized box/carbon and these boxes/cartons should be in turn securely placed in the packing box in such a way that no damaged occurs because of handling, shifting, lifting or transportation.</li> <li>(vi) Thermocouple and Resistance thermometer shall be packed in suitable sized wooden box with appropriate &amp; sufficient cushioning materials.</li> </ul>				
<b>3.3 (C) CABINETS &amp; STARTER PANELS :</b> <ul style="list-style-type: none"> <li>(i) The cabinet or starter panels should be clamped securely and firmly to the base plate of packing box with suitable nuts &amp; bolts.</li> <li>(ii) The cabinets or starter panels shall be sealed airtight with polythene bags and a cotton bag containing silica gel shall be place inside the cabinets. As the cabinets/ starter panels etc. contain small mechanical contacts so VCI paper can be wrapped all around and fixed with tape.</li> <li>(iii) Sufficient stiffness/braces with padded cushions should be provided to ensure rigid packing.</li> </ul>					
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दिनांक एवं हस्ताक्षर SIGN & DATE 					
नामची सूची संख्या INVENTORY NO. 25284	REV. NO. 02		निर्माणकर्ता WORKED BY BRIJ LAL RAM	Brij Lal	23/03/18
			जांचकर्ता CHECKED BY LAXMIKANT MISHRA		23/03/18


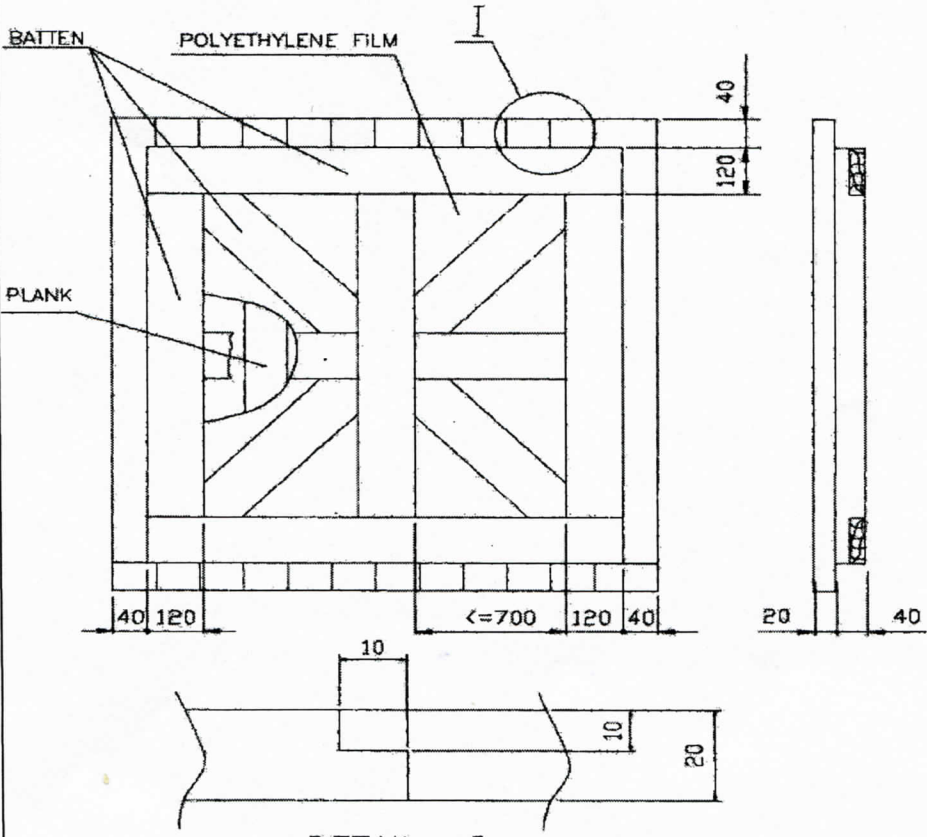


दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002	
				पृष्ठ 10 का 4 Page 4 of 10	
SUPERSEDES INVENTORY  मामूली सूची संख्या को अतिरिक्तित करना है	<b>3.4 (D) FITTINGS &amp; MOUNTING ACCESSORIES ETC. :</b> <ul style="list-style-type: none"> <li>(i) This category includes items like instrument valves, nipples, brackets, fasteners etc.</li> <li>(ii) Apply appropriate coating of grease on the threaded and machine portion and wrap the individual item with wax paper and tie with thread.</li> </ul>				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	<b>3.5 (E) IMPULSE PIPE LINES :</b> <ul style="list-style-type: none"> <li>(i) Impulse pipe lines are to be closed at both the ends by rubber plugs/ Neoprene grommets to prevent the clogging of pipelines by foreign materials/ dust, wood powder etc.</li> <li>(ii) While packing these pipelines care should be taken that no heavy material is put on top of them. This is necessary to ensure protection against mechanical damage.</li> <li>(iii) All the impulse pipe lines in a packing box should be tied with steel wires in small groups of 10-15 pipe lines</li> <li>(iv) Due care should be taken so that loose item such as above do not collide with each other causing damage to thread /machined port.</li> </ul>				
	<b>4.0 SEA-WORTHY PACKING INSTRUCTIONS FOR EXPORT PROJECTS AND SEA COASTAL PROJECTS:</b>				
स्वतंत्राधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत के ही गोपनीयता नियमों के अन्तर्गत है। इसका प्रयोग एवं प्रसारण केवल से निजी या गैर प्रयोग को ही संभव है। इसमें कोई भी हानिकारक हो न किता	<b>4.1 GENERAL</b> The standard covers guide lines for making Sea- worthy standard packing boxes to be used for transportation for export orders. Vendors shall be responsible for packing and shall meet the minimum requirements specified herein.				
	<b>4.2 SCOPE IN ADDITION TO CLAUSE NO. 1.0 AS ABOVE</b> The procedure specifies minimum guidelines to be complied with for packing of electrical and electronic Components /Assemblies/Equipments. This specification shall be suitable for different handling operations and the adverse conditions during transportation and during indoor/outdoor storage for period of minimum two years.				
दिनांक एवं हस्ताक्षर SIGN & DATE	<b>4.3 WOOD SPECIFICATION FOR PACKING</b> The wood used for packing shall conform to specification ISPM NO. 15. (International Standards for Phytosanitary Measures).				
	REV. NO. 02				
मामूली सूची संख्या INVENTORY NO. P-5284	निर्माणकर्ता WORKED BY BRIJ LAL RAM	जांचकर्ता CHECKED BY LAXMIKANT MISHRA	28/03/18	28/03/18	28/03/18


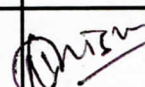
निष्कर्ष एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002		
				पृष्ठ 10 का 5 Page 5 of 10		
सुपरसेड INVENTORY	<b>4.4 REQUIREMENTS FOR PACKING CASE:</b>					
मासिक सूची संख्या को अधिलेखित करना है	<b>4.4.1</b> All equipment and materials shall be suitably coated wrapped, or covered and boxed or crated for export shipment so as to prevent damage during handling and storage at the Site. Cardboard containers (if any) shall be enclosed in a solid wooden container to avoid damage during transit.					
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	<b>4.4.2</b> Equipment and process materials shall be packed and semi knocked down, to the extent possible, to facilitate handling and storage and to protect bearings and other machine surfaces from oxidation. Each container box, crate or bundle shall be reinforced with steel strapping, in such a manner that breaking of one strap will not cause complete failure of the packaging. The packing shall be of best standard to withstand rough handling and to provide suitable protection from tropical weather while in transit and while awaiting erection at the site.					
	<b>4.4.3</b> Waterproof paper and felt linings shall overlap at seams at least 15mm and the seams shall be secured together.					
	<b>4.4.4</b> Equipment and materials in wooden cases or crates shall be properly cushioned to withstand the abuse of handling, transportation and storage. Packing shall include preservatives suitable for tropical conditions. All machine surfaces and bearings shall be coated with oxidation preventative compounds. All parts subject to damage when in contact with water shall be coated with suitable grease and wrapped in heavy asphalt or tar impregnated paper.					
स्वत्वसिद्धि एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत भारती एल्युमिनियम लिमिटेड की संपत्ति है। इसका प्रयोग एवं प्रसारण केवल केवल के लिए ही किया जा सकता है। इस दस्तावेज को किसी भी अन्य व्यक्ति को देना या प्रसारित करना गैर कानूनी है।	<b>4.4.5</b> Fumigation of boxes including plywood/spacers shall be carried out as per ISPM 15 to make it pest free. All wood packing in each consignment shall be free from bark and all visible signs and fungal attack at the time of shipment.					
निष्कर्ष एवं हस्ताक्षर SIGN & DATE	<b>4.4.6</b> Components sub-assemblies and assemblies sensitive to climatic conditions shall be packed seal tight. All the openings of the sensitive components, sub-assemblies and assemblies shall be blanketed to prevent the ingress of dust and moisture. The components sub-assemblies and assemblies shall be completely covered with 2 layers of polyethylene sheet. Polyethylene sheet to be used shall be UV stabilized. All sharp corners and edges are to be protected by rubber mats to prevent damage the polyethylene sheet. Top surface of the case shall be free from dents to prevent rain water pockets.					
मासिक सूची संख्या INVENTORY NO.	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	Brij Lal	23/03/18
P-5286			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		23/03/18



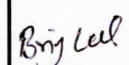



दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002 पृष्ठ 10 का 6 Page 6 of 10		
SUPERSEDES INVENTORY	मापकी सूची संख्या को अतिरिक्ति करता है	<p><b>4.4.7</b> The four sides shall be lined, from inside with multi-layered polyethylene sheet of at least 120 GSM and tacked at suitable places.</p> <p>Whenever specified in addition to the polyethylene sheet the top cover will have a layer of bitumen felt over the cover. This should project about 100 - 250 mm on all sides shall be provided between frame and planks of the end and side shook as shown in Fig. (For reference only.)</p>				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company		<div style="text-align: center;"> <h3>END SHOOK</h3>  </div>				
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में की गई सूचना भारत हेवी एलेक्ट्रिकल लिमिटेड की सम्पत्ति है इसका प्रयुक्त एवं अप्रयुक्त रूप से किसी भी तरह प्रयोग को कि कंपनी के हित में हानिकारक हो न किया जाए।						
दिनांक एवं हस्ताक्षर SIGN & DATE						
मापकी सूची संख्या INVENTORY NO.	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM		23/03/18
P-5284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		23/03/18


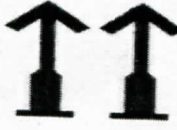




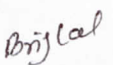

SIGN & DATE दिनांक एवं हस्ताक्षर		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002		
				पृष्ठ 10 का 7 Page 7 of 10		
SUPERSEDES INVENTORY	सामग्री सूची संख्या को अधिकृतित करता है	<div style="text-align: center;"> <b>SIDE SHOOK</b> </div>  <div style="text-align: center;"> <b>DETAIL -I</b> </div>				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company		स्वत्वधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी एलेक्ट्रिकल लिमिटेड की संपत्ति है। इसका प्रलेख अन्य प्रलेख से सी.ई.ई. सूचना भारत हेवी एलेक्ट्रिकल लिमिटेड की संपत्ति के बिना उपयोग में नहीं किया जा सकता है।				
SIGN & DATE दिनांक एवं हस्ताक्षर	It is preferable to have a single piece of the above multi-layered polyethylene sheet fixed on the four sides. In case jointing is unavoidable, it should be done by overlapping of approximately 100 mm.  Place the Components/cartons with corrosion inhibitors duly applied wherever necessary for place suitably, thin muslin cloths bags containing minimum 100 grams (approx.) of activated Blue Silica Gel as per IS 3401-1992/ BS 3482-1991 with standard particle size of 3 to 6 mesh (5.6 to 2.8mm), wherever necessary. Alternatively, VCI Powder as per IS 6263-1972/ IEC 68-2-30:1980 or Tablet may be used. Approximately 7 m3 VCI paper is necessary for 1 m3 of packed item. VCI Paper shall not be used for components made of aluminum, aluminum alloys, Zinc, Copper, Brass, cadmium & silver. VCI powder is sprinkled inside the piping components ends and shall be protected with end cover.					
INVENTORY NO. सामग्री सूची संख्या	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	Brij Lal 23/03/18	
P-5284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA	23/03/18	



दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002	
				पृष्ठ 10 का 8 Page 8 of 10	
SUPERSEDES INVENTORY	<p>All packages shall be covered on all sides with suitable GI sheets.</p> <p><b>4.4.8</b> Cover the whole equipment with polyethylene sheet of at least 120 GSM, on all sides preferably by a single piece.</p> <p><b>4.4.9</b> Silica gel is used for this purpose to protect the contents over sufficiently long time from corrosion. At the time of use, silica gel should be so dried that its color becomes dark blue. These shall be filled in small cotton bags. Before sealing the equipment, the silica gel bags should be kept inside the polyethylene film cover at different locations. The quantity of silica gel should not be less than 2.0 Kg per m3 volume of the packing box.</p> <p><b>4.4.10</b> Each case shall contain a packing list showing the detailed contents of the package. When any technical documents are supplied along with the shipment of materials no single package shall contain more than one set of such documents. Shipping papers shall clearly indicate in which packages the technical documents are contained.</p> <p><b>4.4.11</b> The case number shall be written in the form of a fraction, the numerator of which is the serial number of the case and the denominator the total number of case in which a complete unit of equipment is packed.</p> <p><b>4.4.12</b> Wherever necessary besides usual Inscriptions the cases shall bear special indication such as "Top", "Do not turn over", "Care", "Keep dry", etc., as well as indication of the center of gravity (with red vertical lines) and places for attaching slings (with chain marks). For all fragile equipment, unit should take special care to pack and label with additional markings such as " <b>FRAGILE, HANDLE WITH CARE</b>", " <b>LIFTING POINTS</b>", " <b>THIS WAY UP</b>", " <b>DO NOT STACK</b>" etc. to protect them from damage in transit.</p> <p><b>4.4.13 Completeness of Contents of each packing case:</b></p> <p>Concerned CQA/Unit QC/Third Party Inspection Agency shall verify the completeness of contents of each package w.r.t. packing list both in terms of quality and quantity before authorizing dispatch of the consignment.</p> <p>Packing commensurate with international standards and accepted norms will be ensured by CQA/ Unit QC/Third Party Inspection Agency. Packing has to be sea-worthy and secure. As far as possible, the packing has to be rectangular in shape for optimum space utilization in the ship and economize on shipping costs. Projections on packages are prohibited.</p>				
मामूली सूची संख्या को अधिकृत करता है	COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company				
स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत भारती एलईएच लिमिटेड की संपत्ति है इसका प्रयोग एवं प्रसारण इस से किसी भी तरह प्रयोग को कि कंपनी के हित में हानिकारक हो न किया जाए।	दिनांक एवं हस्ताक्षर SIGN & DATE				
मामूली सूची संख्या INVENTORY NO. P-5284	REV. NO. 02		निर्माणकर्ता WORKED BY BRIJ LAL RAM	Brij Lal	23/03/18
			जांचकर्ता CHECKED BY LAXMIKANT MISHRA		23/03/18

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002							
				पृष्ठ 10 का 9 Page 9 of 10							
सामग्री सूची संख्या को अधिकृतित करता है	SUPERSEDES INVENTORY	<p><b>4.4.14 Completeness of Contents of each packing case:</b>          The packing list has to be checked and certified by the Inspection agency with due signatures. All packages shall be enclosed in suitable GI sheets on all sides. The top of box should be covered by GI sheet in single length &amp; width.</p> <p>No loose items Gunny bag packing is allowed for shipment.</p> <p><b>4.4.15 Provision of Inspection Windows on Packages:</b>          Vendors should provide inspection window of size 6" x 4" (glass perplex) for customs examination for all packages (above 1.5 x 1.5 x 1.5 cum) involving panels of any kind. Care would be taken to ensure that all packages are properly sealed to avoid ingress of moisture, rodents etc. Packing slip folders shall be attached outside with each box.</p> <p><b>4.4.16 Provision of Humidity Indicator:</b></p> <ol style="list-style-type: none"> <li>Humidity indicator must be provided in each packing boxes. Humidity indicator shall be placed behind inspection window or as far as practicable from the nearest unit of desiccant.</li> <li>Use a three-spot paper card type 1x4 inches in size to show humidity with instruction as indicated in figure below. The spots indicate relative humidity of 50 percent, 40 percent and 30 percent, top to bottom, by changing color from blue to pink.</li> </ol> <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px auto; width: 40%;"> <p>HUMIDITY INDICATOR</p> <table style="width: 100%;"> <tr> <td>EXAMINE ITEM IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center;">50</td> </tr> <tr> <td>CHANGE DESSICANT IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center;">40</td> </tr> <tr> <td>WARNING IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center;">30</td> </tr> </table> </div> <p><b>4.4.17 Marking for Safe Handling:</b>          To ensure safe handling, packing case shall be marked to show the following:</p> <ol style="list-style-type: none"> <li>I Upright position.</li> <li>Sling position and Centre of Gravity position.</li> <li>Storage category.</li> </ol> <p>Fragile components (to be marked properly with a clear warning for safe handling).</p>				EXAMINE ITEM IF PINK	50	CHANGE DESSICANT IF PINK	40	WARNING IF PINK	30
EXAMINE ITEM IF PINK	50										
CHANGE DESSICANT IF PINK	40										
WARNING IF PINK	30										
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत द्वारा एलेक्ट्रिकल निगम की संपत्ति है, इसका प्रलेख एवं अवलोकन रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो, न किया जाए।	COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	दिनांक एवं हस्ताक्षर SIGN & DATE 	सामग्री सूची संख्या INVENTORY NO. 25284	REV. NO. 02	निर्माणकर्ता WORKED BY BRIJ LAL RAM 	जांचकर्ता CHECKED BY LAXMIKANT MISHRA 	23/03/18 23/03/18				



SIGN & DATE विनाक एवं हस्ताक्षर		उत्पाद मानक (हीप : हरिद्वार) <b>PRODUCT STANDARD (HEEP: HARIDWAR)</b>		ST33002 पृष्ठ 10 का 10 Page 10 of 10	
SUPERSEDES INVENTORY मासिक सूची संख्या को अपडेट करने हेतु	<b>4.4.18 Shipping Documentation including those covered by customs requirements:</b> <ol style="list-style-type: none"> <li>Packing List (O&amp;M manual to be listed in packing list, if sent along with consignment).</li> <li>Fumigation certificate for wooden boxes</li> </ol>				
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.	<b>4.4.19 THE FOLLOWING DETAILS ARE TO BE MARKED ON THE PACKING CASES:</b> <ol style="list-style-type: none"> <li>Address of consignee.</li> <li>Purchase Order No.</li> <li>Description of item or title of packing list.</li> <li>Case identification Number.</li> <li>Net Weight.</li> <li>Gross Weight.</li> <li>Dimensions of box</li> <li>Marking showing upright position.</li> <li>Marking showing umbrella (i.e. for machines/ components to be stored under covered storage).</li> </ol>				
	<p align="center"><b>MARKING ON PACKING BOXES</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <b>A</b> </div> <div style="text-align: center;">   <b>B</b> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <b>C</b> </div> <div style="text-align: center;">   <b>D</b> </div> <div style="text-align: center;">   <b>E</b> </div> </div> <p> <b>A UPRIGHT</b>  <b>B FRAGILE</b>  <b>C PROTECTION FROM FALLING OR CONDENSING MOISTURE</b>  <b>D SLING POSITION</b>  <b>E PROTECTION FROM DIRECT RADIATION</b> </p>				
स्वलाधिकार एवं गोपनीय इस प्रमेक में की गई सूचना भारत हेवी एलेक्ट्रिकल्स लिमिटेड की संपत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह उपयोग और कि कंपनी के हित में हानिकारक हो न किया जाय।	<b>5.0 CROSS REFERRED STANDARD:</b> IS 3401-1992, BS 3482-1991, IS 6263-1972 & IEC 68-2-30:1980.				
SIGN & DATE विनाक एवं हस्ताक्षर	<div style="display: flex; justify-content: space-between;"> <div>           REV. NO. 02         </div> <div>           निर्माणकर्ता            WORKED BY            BRIJ LAL RAM         </div> <div>  </div> <div>           23/03/18         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>           जांचकर्ता            CHECKED BY            LAXMIKANT MISHRA         </div> <div>  </div> <div>           23/03/18         </div> </div>				
INVENTORY NO. मासिक सूची संख्या	R-5286				

**From:** Sachin Jain <sachinjainji@bhel.in>  
**Sent:** 28 July 2022 10:15  
**To:** 'Ashutosh Srivastava'  
**Cc:** 'Braj Bhushan Tripathy'; 'Sheetal Singh(Sr Manager/C&IE/C&IE/HEEP)'  
**Subject:** RE: QP for Indent No 20221006  
**Attachments:** QP format blank.pdf

Dear sir/madam,

Please find BHEL Q.P. format for enquired items for reference of vendors.  
If BHEL SQP is available with Q.A., same will be attached during indent scrutiny in Q.A. dept. as per respective WO/mat. code requirement.

Regards  
Sachin Jain  
QA

---

**From:** Ashutosh Srivastava <ashutoshs@bhel.in>  
**Sent:** Friday, July 22, 2022 1:58 PM  
**To:** 'Sachin Jain' <sachinjainji@bhel.in>  
**Cc:** 'Braj Bhushan Tripathy' <bbt@bhel.in>; 'Sheetal Singh(Sr Manager/C&IE/C&IE/HEEP)' <sheetal@bhel.in>  
**Subject:** QP for Indent No 20221006

Dear Sir/ Madam, माननीय महोदय/ महोदया,

Pl. provide QP for Indent No 20221006 ( GWR Level Transmitter ) for 500 MW R & M Chanderpur Project.Draft Indent is attached.

On line request has been sent from system.

आदर सहित/ Regards,

आशुतोष श्रीवास्तव /Ashutosh Srivastava

उपप्रबंधक-नियंत्रण एवं यंत्रीकरण अभियांत्रिकी /Dy.Manager-CIE

हीप, बी.एच.ई.एल. हरिद्वार /HEEP,BHEL,Haridwar

दूरभाष : 01334-281131/Max No-01334-281131

Follow us on:



MANUFACTURER'S NAME AND ADDRESS			QUALITY PLAN					TO BE FILLED BY BHEL		TO BE FILLED BY BHEL			
BHEL	VENDOR'S NAME	ITEM			QP NO.								
				REV									
		DRG. NO.	AS PER PO										
		SPEC.	AS PER PO										
		REV				Page 1 of 1							
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY			REMARKS
										M	B	N	
1	2	3	4	5	6	7	8	9	D	10			11


MANUFACTURER/SUBCONTRACTOR		LEGEND:	FOR CUSTOMER USE	APPROVED BY
		! RECORDS IDENTIFIED WITH ‘TICK’ SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION.		
		M: MANUFACTURER / SUBCONTRACTOR    B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE ‘P’ PERFORM ‘W’ WITNESS AND ‘V’ VERIFICATION ALL ‘W’ INDICATED IN COLUMN ‘N’ SHALL BE ‘CHP’ OF CUSTOMER		