



Due Date: 16-12-2020

Ref: PPX/EM/EOI/20-21/Hollow copper conductors & fillers

Notice Inviting Expression of Interest for empanelment of New Indian Vendors only

The Heavy Electrical Equipment Plant (HEEP) located in Haridwar, is one of the major manufacturing plants of BHEL. The core business of HEEP includes design and manufacture of large steam and gas turbines, turbo generators, hydro turbines and generators and so on. **We are looking for reputed Vendors having capability to supply Hollow copper conductors and fillers used in TG rotors.**

The specification of these items may be obtained from BHEL after submission of Ink Signed Non-Disclosure Agreement (Annexure-2). The Non-Disclosure Agreement is to be submitted to the following person for obtaining Specifications:

Contact Person 1:

Mr. Abhimanyu Arya
Designation: Dy Manager (PPX/EM)
Email ID: abhimanyu@bhel.in
Tel: +91 1334 28 5158

The offers received will be technically evaluated by BHEL & successful short listed parties will be asked to submit their detailed Techno-Commercial offers through formal NIT/Enquiry, for our future requirements. Vendors shall confirm that there is no deviation with respect to BHEL Specifications. However, deviations, if any, are to be listed as a separate attachment. The offers that do not meet the substantial requirements of our specifications are liable to be ignored. **Following documents are to be necessarily filled and submitted along with the technical offer:**

1. Details/ Documents in support of Pre-Qualification Requirement (**Annexure-1, Page-3**)
2. Non-Disclosure Agreement (to be asked through email)
3. Supplier/Vendor Registration Form. (Indigenous as applicable)
4. Quality control documents / procedure.
5. Details of Manufacturing Facility
6. Company Profile.
7. Financial report of the company.
8. Past experience along with documentary proof.
9. Details such as technical features, experience details, product catalogue, reference list or any other relevant information.
10. List of equipment's manufactured in-house.
11. List of Bought Out items along with vendors list of each equipment's with experience details with respect to size rating and years of operation.

Only Technical BID along with the documents mentioned above should be sent & the envelope containing the offer shall be duly sealed and super scribed as **“Technical Offer for (ITEM NAME) AGAINST Reference No. PPX/EM/EOI/20-21/Hollow copper conductors and fillers, SUBMITTED BY (Name of company)”**

The last date for submission of Technical offers is 16-12-2020



BHARAT HEAVY ELECTRICALS LIMITED
HEEP: HARDWAR-249 403 (UA)

Due Date: 16-12-2020

- The Technical Offers complete in all respect must be addressed to “Shri S. Bajpai, AGM (PPX/EM)” **and should reach before 1345 Hrs (IST) on 16-Dec-2020**. Tenders will be opened on the same day at 1400Hrs (IST) in the Tender Room.
- Late offers will not be considered in any case. BHEL will not be responsible for any type of postal delay / incomplete information from vendor.
- EMD & Tender fee are not applicable.
- The Quotation should be from the Principle / Original Manufacturer, otherwise the Quotation is likely to be ignored. In case the quotation is submitted through agent, the quotation must accompany original authorization letter from Principle / Original Manufacturer.
- Amendments / Corrigendum, if any, will be hosted on our website only.
- For any further clarifications, feel free to contact the undersigned or log on to www.bhel.com or www.bhelhwr.co.in or www.tenders.gov.in

(Abhimanyu Arya)
Dy. Mgr (PPX-EMI)



REF: EME/20-21/ROTOR/PQR/13

November 21, 2020

**PRE-QUALIFICATION REQUIREMENTS (TECHNICAL) FOR
ROTOR HOLLOW COPPER CONDUCTORS & FILLERS**

1. EXPERIENCE:

The vendor should have manufactured and supplied phosphorous de-oxidized SILVER BEARING HOLLOW COPPER CONDUCTOR & FILLER PROFILES of material grade CuAg0.1P as per DIN EN 13605 to power plant equipment manufacturers world-wide during the last 7 years (from the date of enquiry). The supplied material should have UTS of $\geq 220 \text{ N/mm}^2$ for 2-duct conductors and fillers and $200\text{-}250 \text{ N/mm}^2$ for 1-duct conductors (Geometry and Outline Dimensions are as per attached sketches).

In support of above, the vendor should furnish the following:

- a) Vendor should have manufactured and supplied the above material against at least 3 Purchase Orders of minimum 6MT each in the last 7 years from the date of enquiry. Vendor to furnish copies of Purchase Orders of the same.
 - b) Vendor to furnish Test Certificates (for Chemical Composition, Mechanical Tests, Electrical Conductivity, Hydrogen Embrittlement Test, etc.) for the Purchase Orders furnished against Clause a).
 - c) End User Certificate: Vendor to furnish at least one Certificate from End User or Generator Manufacturer certifying that the Hollow Conductors supplied by the vendor have been successfully used in manufacturing TG Rotor and the said Turbo-generator has been in operation for at least 1 year. The End User Certificate should be pertaining to any one of the above Purchase Orders.
2. **MANUFACTURING FACILITIES:** The vendor to confirm that they have all the in-house facilities for manufacturing this item. Vendor to submit complete details of manufacturing facilities available in-house for manufacturing this item.
3. **TESTING FACILITIES:** The vendor to confirm that they have all the in-house facilities for testing this item. If the vendor intends to outsource any testing activity, particulars of the same along with details of the laboratory to be furnished to BHEL. Vendor to submit details of in-house testing facilities for testing of this item.
4. Vendor shall have to confirm detailed technical requirements given in the ordering specifications and drawings subsequently.

Notes:

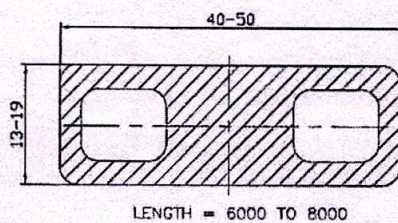
- i. BHEL reserves the right to verify the information submitted by the vendor. In case the information is found to be false or incorrect, the offer shall be rejected.
- ii. The vendor must furnish all the documents in English language only. If the documents are not in English, then they must be accompanied by duly certified English translations of the same.



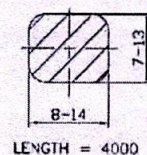
REF: EME/20-21/ROTOR/PQR/13

November 21, 2020

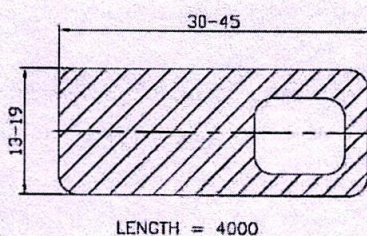
Geometry & Outline Dimensions
(All dimensions are in mm)



Sketch No. 1. 2-Duct Conductor



Sketch No. 2. Filler



Sketch No. 3. 1-Duct Conductor