



BHARAT HEAVY ELECTRICALS LIMITED
HEEP: HARDWAR-249 403 (UA)
Phone : 01334 – 28 1254/5158
E-mail : advait@bhel.in

Due Date: 27.02.2021

Ref: PPX/EM/EOI/20-21/PERMANENT MAGNET

Notice Inviting Expression of Interest for Empanelment of New Vendors

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 item “Permanent Magnet” used for high speed rotating application in Magnetic Poles of Exciters for Power plant.**

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 (s) for obtaining Specifications:

Contact Person 1:

Mr. Advait Prakash
Designation: Sr. Engineer (PPX/EM)
Email ID: advait@bhel.in
Tel: +91 1334 28 5158

Contact Person 2:

Mr. Avdhesh Kumar Bharti
Designation: Sr. Manager (PPX/EM)
Email ID: bhartiak@bhel.in
Tel: +91 1334 28 1254

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**)
2. Non-Disclosure Agreement (**Annexure-2**)
3. Company registration certificates (PAN card/D&B/ROC/CBEC etc)
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 catalogues, reference lists or any other relevant information.
10. List of equipment manufactured in-house.
11. List of Bought out items along with vendor's list equipment with experience details with respect to size rating and year of operations.

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/ PERMANENT MAGNET, SUBMITTED BY (Name of company)”**



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The last date for submission of Technical offers is 27.02.2021.

- The Technical Offers complete in all respect must be addressed to “Shri S. Bajpai, AGM (PPX-EM & Block1)” **and should reach before 13:45 Hrs (IST) on 27.02.2021.** Tenders will be opened on the same day at 14:00 Hrs (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, falling which 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

(ADVAIT PRAKASH)
(SR. ENGINEER, PPX-EM)



Due Date: 27.02.2021

ANNEXURE-1

Technical Pre-Qualification Requirements for EOI of Permanent Magnets (code W96414600016)

The Permanent Magnets are used for high speed rotating application in magnetic poles of Exciters for Power plant. Vendors not meeting Pre-Qualification Requirements (Points 1,2 & 3) shall be disqualified.

1. Vendor must confirm their process capability for manufacturer of Permanent magnets of **sintered AlNiCo 30/10 grade of DIN 17410**. To support this, vendor to provide-
 - i. Details of manufacturing facility for sintering process
 - ii. Details of facility for machining / grinding
 - iii. Details of facility for magnetizing / de-magnetizing
 - iv. Details of inspection / testing facilities available in-house with vendor
2. Vendor must confirm their manufacturing capability as below-
 - i. The vendor should have manufactured and supplied the **AlNiCo** grade Permanent magnets (manufactured with **Sintered** process) of size minimum 60mm x 50mm x 25mm (LxBxH) OR weighing minimum 0.5 Kg/piece. List of Purchase orders (conforming to above requirement) with Date, Customer name, Dimensions, Quantity, Weight per piece, Total weight and Material grade of past supplies during last four years to be submitted. The total quantity of each Purchase order should be approx. 100 Kg or more.
 - ii. Vendor should attach un-priced copies of at least three (03) purchase orders listed against point 2(i) above (of Sintered AlNiCo grade magnets), along with detailed test certificates for tests conducted on Magnets (in-process, final stage inspection and type tests if any).
 - iii. Vendor to confirm that they will meet all the requirements of BHEL specification TG60016 and drawing 31460101000.
3. Vendor should confirm that, in case of placement of order by BHEL, the magnets shall be supplied in De-magnetized condition and shall be suitably packed to prevent any transit damage. Following documents shall be provided with the dispatch documents
 - i. Test certificates
 - ii. Guarantee certificates
 - iii. Dimension reports

Notes:

1. 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.
2. All the documents and correspondences should be in English language.