

**BHARAT HEAVY ELECTRICALS LIMITED**  
**HEEP HARIDWAR INDIA-PIN 249403**  
**FAX NO: 0091 1334 226462/223948**  
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**Sub: Requirement of Stainless Steel Bars**

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

Bids are invited for following items through GeM Portal- <https://gem.gov.in>

Item Description	Mat. Code	Size (mm) W×T	Qty. (Kg)	Delivery
Stainless Steel Bars (Austenitic, Ti Stabilized) Solution Annealed <b>Specification-</b> AA10725 Rev: 07 <b>Grade-</b> ST-04Cr18Ni10Ti20-S	HW1070325961	70×40	2500	30.07.2023

**Remarks-**

1. Quantity tolerance  $\pm 10\%$  is acceptable in view of dimensional tolerances.
2. Delivery mentioned above is indicative, bidders to quote their best possible delivery schedule.
3. Payment terms will be as per following-

Type of Bidder	Payment Terms (Number of days)
Micro & Small Enterprises (MSEs)	45 days
Medium Enterprises	60 days
Non MSME	90 days

4. Risk Purchase: In case of abnormal delays (beyond the maximum late delivery period as per LD clause in supplies / defective supplies or nonfulfillment 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.

**Action against Bidders / vendor / supplier / contractor in case of default:**

In order to protect the commercial interests of BHEL, BHEL shall take action against supplies / 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, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc.

Suspension of Business Dealings could be in the form of “Hold” or “Banning” a supplier/ contractor or a bidder and shall be as per “Guidelines for Suspension of Business Dealings with Suppliers/ Contractors” available at BHEL’s website

<https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>.

5. EMD will be applicable (Amount as mentioned in bid document), however EMD is waived in following cases-
- a. **Central/ State – PSUs**
  - b. **As per government guidelines, MSE suppliers are exempted for submission of EMD (Valid Documentary proof against MSE must be submitted along with offer to avail the benefits).**
  - c. **The vendors registered BHEL (HEEP), Haridwar are also exempted from EMD.**
  - d. **Other exemptions on EMD will be as per GeM Terms and conditions.**
6. “A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity’s interests. **The bidder found to have a conflict of interest shall be disqualified.** A bidder may be considered to have a conflict of interest with one or more parties in the bidding process, if”
- a. They have controlling partner (s) in common; **or**
  - b. They receive or have received any direct or indirect subsidy/financial state from any of them; **or**
  - c. They have the same legal representative/ agent for purposes of this bid; **or**
  - d. They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; **or**
  - e. Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components / sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; **or**
  - f. In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent / dealer. There can be only one bid from the following:
    1. The principal manufacturer directly or through one Indian agent on his behalf; and
    2. Indian/ foreign agent on behalf of only one principal;**or**
  - g. A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; **or**
  - h. In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidder must proactively declare such sister/ common business/ management units in same/ similar line of business.”

**Pre- Qualification Requirements**

➤ **Technical Requirements-**

Following are the pre-qualification requirements:

<b>Sl. No.</b>	<b>Technical Requirement</b>	<b>Vendor to submit / confirm</b>	<b>Vendor's confirmation (Y/N)</b>
1.	Vendor must have supplied stainless steel bars against at least one purchase order in last seven years on the date of issue of enquiry	Vendor to submit copy of Purchase order and their correlated test certificates	
2.	Enquiry bars shall be supplied from BIS approved manufacturer for enquiry material grade (IS 6603, X04Cr18Ni10Ti20 / ASTM A240M, Type 321 / EN10088-3, X6CrNiTi10-10) and dimension.	Vendor to agree and confirm	
3.	Enquiry round bars will be supplied as per enquiry specification AA10725, Rev 07 and enquiry dimension.	Vendor to agree and confirm	

➤ **Quality Requirements-**

<b>Sl. No.</b>	<b>Quality Requirement</b>	<b>Vendor's confirmation (Y/N)</b>
1.0	Testing and certification required as per ordering documents and drawings.	

**Signature with stamp**

**Name:**

**Name of Firm:**

**Designation:**

**Date:**

**(Specification)**

**STAINLESS STEEL BARS (AUSTENITIC, Ti STABILIZED) SOLUTION  
ANNEALED (ASTM A 276M, TYPE 321)****ORDERING DESCRIPTION****1.0 GENERAL :**

This specification governs the quality requirements of Stainless Steel Bars (Austenitic, Ti Stabilized), Solution Annealed to the latest version of ASTM A 276M, Type 321 and comply with the following additional requirements.

**2.0 APPLICATION :**

For application requiring acid, corrosion and heat resistance and weldability.

**3.0 CONDITION OF DELIVERY:**

Cold / Hot rolled and solution annealed . Above 100 mm size, forged bars are acceptable. The ends of bars shall be square and true. The bars shall be supplied in straight lengths.

**4.0 DIMENSIONS AND TOLERANCES**

Bars shall be supplied to the dimensions specified on BHEL order. The tolerances on length, twist and straightness shall be as per ASTM A484M

**5.0 CHEMICAL COMPOSITION :**

As per ASTM A 276M, Type 321.

**6.0 TEST CERTIFICATES :**

Three copies of test certificates shall be supplied, unless otherwise stated on the order. In addition, the supplier shall ensure to enclose one copy of the test certificate along with their despatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information :

**BHEL References :**

AA 107 25-Rev. No.07 (ASTM A 276M, Type 321)  
BHEL order No,

**Revisions :**

Cl. 32.6.5 of MOM of MRC-S&GPS

**APPROVED : Interplant Material  
Rationalization Committee-MRC (S&GPS)**

Rev. No. 07

Amd.No.

Reaffirmed

Prepared

Issued

Dt. of 1st Issue

Dt.: 1-07-2008

Dt :

Year: 2013

HARDWAR

Corp. R&D

JUNE, 1978

Supplier's References :

Name  
 Identification No.  
 Melt No.  
 Details of heat treatment.

Result of Tests:

Dimensional inspection.  
 Results of chemical analysis, mechanical tests

**7.0 PACKING AND MARKING :**

Bars shall be suitably oiled and packed in boxes to prevent corrosion and damage during transit.

Each bar and flat over 50 mm in diameter or width across flats shall be stamped with 'AA 107 25 Rev 07(ASTM A 276M, Type 321)', melt No., BHEL order No., at one end or on the end face.

Bars bar/flat upto and including 50 mm in dia./width across flats shall be bundled together and tied with wire at 3 to 4 places along the length of the bars.

A metal label shall be securely attached to each bundle and shall bear the following information :

AA107 25 Rev 07 - Solution Annealed.(ASTM A 276M, Type 321)  
 BHEL Order No.  
 Consignment/Identification No.  
 Melt No.  
 Size and Weight.  
 Supplier's Name.

**FOR INFORMATION ONLY****CHEMICAL COMPOSITION**

C	Si	Mn	Ni	Cr	S	P	Ti
≤ 0.08	≤ 1.0	≤ 2.0	9.0-12.0	17.0-19.0	≤ 0.030	≤ 0.045	5X(C+N)-0.70

Nitrogen content is to be reported for this grade.

**MECHANICAL PROPERTIES**

Hardness Max		0.2% PS min	UTS min	% El min	% Ra
HBS	HRC	N/mm <sup>2</sup>	N/mm <sup>2</sup>		
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