

BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462/223948
PHONE NO: 0091 1334 284144

Sub: Requirement of Rustless Plate

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)	Qty. (Kg)	Delivery
Rustless Plate 270 N/SQ. MM 0.2 % Proof Stress Grade X8 CR NB 17 Specification- HW10787 Rev: 00	HW1071787039	1 x (600-1500) x (3000-6000)	500	15/11/2024
	HW1071787047	2 x (600-1500) x (3000-6000)	1000	15/11/2024
	HW1071787012	1.5 x (600-1500) x (3000-6000)	400	15/11/2024

Remarks-

1. Delivery period mentioned in enquiry is indicative, bidders to quote their best possible delivery.
2. Quantity tolerance $\pm 10\%$ is acceptable in view of dimensional tolerances.
3. **Breach of Contract:**

In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is atleast 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor. Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract. Accordingly, recovery of an amount equivalent to 10% of the contract value shall be made in case of breach of contract.

4. Payment terms shall be as follows:

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

Note: 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.

5. “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.”
6. Rest terms & condition shall be as per latest GeM GTC.

Pre- Qualification Requirements

PQR Point	Requirements	Vendor's reply												
1	<p><u>Experience Requirement:</u> Vendor must have manufactured and supplied hot rolled X8CrNb17 or similar corrosion resistant stainless-steel plate/sheets against at least one purchase order in the last 10 years from enquiry issue date.: Experience details satisfying above requirement to be furnished in table below:</p> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Material Grade</th> <th>Purchase Order No. & Customer Details</th> <th>Dimension</th> <th>Quantity (kg)</th> <th>Date of supply</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Vendor to submit purchase order copy and its correlated test certificate in support of above.</p>	Sl. No	Material Grade	Purchase Order No. & Customer Details	Dimension	Quantity (kg)	Date of supply							
Sl. No	Material Grade	Purchase Order No. & Customer Details	Dimension	Quantity (kg)	Date of supply									
2	<p><u>Manufacturing and Testing Facilities:</u></p> <p>a Vendor to submit details of manufacturing facilities covering melting & refining, rolling and heat treatment facility to manufacture enquiry material and dimensions. Details of in-house facilities for melting & refining, rolling and heat treatment are to be submitted. In case of outsourcing of any manufacturing operation, vendor to inform operation outsourced with details of their sub supplier and its manufacturing facility and experience for the same.</p> <p>b Details of testing facilities as per the requirement of enquiry specification are to be submitted with offer. In case of outsourcing of any test, vendor to agree to carry out testing at NABL / Govt. / any other lab accrediting agency like ILAC/APLAC etc. approved labs only.</p>													

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
1	Testing and certification as per ordering documents and specification.	

Signature with stamp**Name:****Name of Firm:****Designation:****Date:**

(Self-Certification for local content)

In line with Government Public Procurement Order 2017 dated 16.09.2020, we hereby certify that we

.....
(supplier name) inform that local content is% (indicate percentage of local content) and are

Class- I local supplier (meeting requirement of)-

Minimum Local content 50%

or

Class- II local supplier (meeting requirement of)-

Minimum Local content 20%

(mark wherever applicable)

defined by Nodal Ministries/ Departments as per above order for the material against Enquiry No.

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

.....
.....
.....

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

(Specification)

HW10787 Rev 00



PLANT PURCHASING SPECIFICATION
HEEP — HARDWAR

HW 10787
PAGE 1 OF 23

270N/mm² 0.2% PROOF STRESS
RUSTLESS PLATE

- 1. GENERAL: This specification governs the quality of hot rolled, plates and sheets from the grade X3Cr Nb17 according to DIN 17 440 and with the following instructions.
- 2. APPLICATION: The plate is used for manufacture of steam turbine components.
- 3. CONDITION OF DELIVERY: The plates and sheets shall be supplied in hot rolled heat-treated and pickled condition.
- 4. DIMENSIONS AND TOLERANCE: The plates and sheets shall be supplied to the dimensions as specified in the order. The tolerances shall be according to DIN 17440.
- 5. MANUFACTURE: The steel shall be manufactured in the basic electric furnace.
- 6. HEAT TREATMENT: The blades and sheets shall be heat-treated to get the specified mechanical properties as per clause 11.0.
- 7. FREEDOM FROM DEFECTS: The sheets/plates shall be free from cracks, laps, lamination chain type inclusions and other harmful defects.
- 8. FINISH: The surface shall be clean. However, the insignificant defects are permissible.

9. CHEMICAL COMPOSITION: 9.1 The chemical composition of the steel shall conform to the following:

Element	Min.	Max.
Carbon	-	0.10
Silicon	-	1.0
Manganese	-	1.0
Chromium	16.0	18.0
Nb	12 x % C	12 x % C
Shulphur	-	0.030
Phosporous	-	0.045

9.2 A part of Niobium (Nb) can be replaced by double amount of Tantalum (Ta).

SIGN & DATE
REF. Doc. No. 7LV 9235 01 12/77
INVENTORY NO. P-1003
SIGN & DATE
COPYRIGHT AND CONFIDENTIAL
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.

Revision : REAFFIRMED YEAR 2022			Approved : PLANT		PS
Work By	Ranjeet	Ref: 27-22	STANDARDIZATION COMMITTEE		2.60
Check By	Subject	SA 27-22	TSX (MTA)-21-385		
K. K. GUPTA SIE	R.P. SINGH MRC (MCA)	N. CHANDRA	PRAKASH SINGH	Issued	Date
Gangupta	MHL	MS		STANDARDS DIVISION	27-12-79



PLANT PURCHASING SPECIFICATION
HEEP — HARDWAR

HW 10787

PAGE 2 OF 2.3

SIGN & DATE

SUPERSEDES
INVENTORY NO.

COPYRIGHT AND CONFIDENTIAL

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.

SIGN & DATE

INVENTORY NO.

P-1993

- 9.3 Small deviation in the chemical composition can be permitted after making reference to BHEL, if the properties does not impair.
10. MECHANICAL PROPERTIES: The sheets/plates must conform to the following mechanical properties:
- | | |
|-------------------|---------------------------|
| 0.2% PROOF STRESS | 270N/mm ² Min |
| Tensile Strength | 450-600 N/mm ² |
| % Elongation | 20% Min. |
11. TEST CERTIFICATES: The supplier shall supply four copies of test certificate unless and otherwise stated on the order. The test certificates shall bear the following information:
- 11.1 BHEL Reference
- Specification number
Order number
- 11.2 Supplier's reference
- Name of the supplier
Material designation
Melt No.
Batch No. and test No.
Method of melting
Complete details of heat-treatment
Test results of chemical analysis and mechanical properties (all single values are to be given)
Confirmation of inspection carried out.
The test certificate must be signed by Chief Metallurgist/Inspection of the Works.
12. CLEARANCE: The total results of the tests carried out are decisive for clearance for delivery. The clearance, however, does not relieve the supplier of his responsibility for hidden non-permissible defects which are found later.
13. MARKING AND PACKING: Each sheets/plates shall be marked with supplier's symbol, material designation melt No., batch number and order number.
- The above details shall be clearly stamped and be encircled by oil colour.
- All the plates shall be suitably packed to protect them against corrosion and damage during transportation.



PLANT PURCHASING SPECIFICATION
HEEP - HARDWAR

HW 10787

PAGE 3 OF 3

SIGN & DATE

INVENTORY NO. SUPERSEDES

RECORD OF CHANGES

REV. CODE	NO. OF CHGS	DOCU NO	SHEET NO.	SIGN	DATE	REV. CODE	NO. OF CHGS	DOCU NO	SHEET NO.	SIGN	DATE
a	3	TSX - (MTE)-93 - 418	1, 2 SHEET NOS "RECORD OF CHANGES" ADDED	<i>[Signature]</i>	18/8/93						
b	1	TSX - MTE - 95 - 402	1	<i>[Signature]</i>	22/12/95						

COPYRIGHT AND CONFIDENTIAL
 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.

DISTRIBUTION OF PRINTS

DEPTT	TGE	STE	AME	DME	HGE	HTE	ACE	HXE	MTE	HE	IN-SUL SYS	HLE	TSX	THC	PPX	MCX	CSX
	✓	✓				✓		✓	✓				✓			✓	
DEPTT	AIX	OSX	CCX	FAX	TFX	TLX (J&T)	TTX-GTX	TTX-ST	TTX-HT	TTX-EM	WT	QAX	QCX	PCM	WC 202	WC 205	WC 227
	✓					✓		✓	✓	✓	✓	✓	✓		✓	✓	
DEPTT	FBM BL 11	HTM WC276	STM WC236	TLM WC832	ACM WC291	CIM WC330	FCM WC 356 /361	SUM WC370	WWM WC385	HXM WC390	WEX WC 8100	ESX	TRX	DFP	BP	GTE	MRL
	✓	✓	✓	✓										✓	✓	✓	✓

SIGN & DATE

[Signature] 18-8-93

INVENTORY NO.

P-1993

REVISION	DRAWN	WORKED	CHECKED
		A.K. SAREKA <i>[Signature]</i>	J.P. MEENA <i>[Signature]</i>

18-8-93

18/8/93