

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 1250 x 4000	120	30/10/2023
	HW1071787047	2 x 1250 x 4000	240	30/10/2023

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. **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”](https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors)

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.

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><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><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></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> <table><tr><td>a</td><td>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.</td></tr><tr><td>b</td><td>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.</td></tr></table>	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.	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.									
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.													
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.													

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
1	Testing and certification as per ordering documents and specification.	
2	Plates to be supplied from manufacturers those are original steel producers only.	

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 XBCr 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
Sulphur	-	0.030
Phosphorous	-	0.045

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

REAFFIRMED YEAR 2022

Revision :			C/A No
Work By	Ranjeet	28-12-79	
Check By	Subject	28-12-79	TSX (NTS)-21-385

Approved : **PLANT STANDARDIZATION COMMITTEE** PS 260

K. K. GUPTA STE	R. P. SINGH MRC (MCA)	N. CHANDRA	PRAKASH SINGH	Issued	Date
Gangupta	MSL	MS		STANDARDS DIVISION	27-12-79

SIGN & DATE

REF Doc. No
7LV 9235 01
12/77

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



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.

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.

10787

P-1993



PLANT PURCHASING SPECIFICATION HEEP - HARDWAR

HW 10787

PAGE 3 OF 3

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 NO3 "RECORD OF CHANGES" ADDED	<i>[Signature]</i>	18/8/93						
b	1	TSX - MTE-95 -402	1	<i>[Signature]</i>	22/12/95						

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
	✓	✓	✓	✓										✓	✓	✓	✓
REVISION											DRAWN						
											WORKED		A.K. SAREKA		18.8.93		
											CHECKED		J.P. MEENA		18/8/93		

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

18-8-93