



**BHARAT HEAVY ELECTRICALS LIMITED**  
**HEEP HARIDWAR INDIA-PIN 249403**  
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### **REQUIREMENT OF SQUARE BAR FORGED ALLOY STEEL**

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 and gas turbines, turbo generators, Defense Items and so on.

Details of items details as below:

<b>SI. NO.</b>	<b>MAT CODE</b>	<b>ITEM DISCREPTION</b>	<b>Quantity (KG)</b>	<b>Delivery (Days)</b>
<b>1</b>	<b>DFPW10500391</b>	<b>SQUARE BAR FORGED ALLOY STEEL N.STD: UNI 7874 SIZE: 250X250MM DIM.: W GRADE: 30CRMO4 TF H&amp;T</b>	<b>4500</b>	<b>45</b>

1. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY
2. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.
3. KINDLY SUBMIT **TECHNO-COMMERCIAL CHECKLIST** ALONG WITH YOUR OFFER.
4. QUANTITY TOLERANCE +/- 5% ACCEPTABLE.
5. MINIMUM LENGTH SHOULD BE 3000MM.
6. KINDLY SUBMIT MAKE IN INDIA SELF CERTIFICATION.
7. MATERIAL TEST CERTIFICATES AS PER UNI 7874 IS REQUIRED.
8. EARLY DELIVERY ACCEPTABLE.

**QUALIFYING CONDITIONS FOR 30CrMo4 250x250MM SQUARE BAR, FORGED**

Sl.	PQR Requirement	Action	Vendor Response (Yes / No / Enclosed)
1.	who can manufacture and supply <b>250x250MM SQUARE BAR, FORGED</b> as per grade <b>30CrMo4</b> UNI-7874 or BHEL TDC	Vendor to specify	
2.	who has read and understood the requirement of UNI-7874 or BHEL TDC	Vendor to confirm	
3.	Who can provide Material test certificate	Vendor to confirm	

## **TDC for the supply of Square Bloom of 30CrMo4 UNI 7874:**

### **1. Material**

- 1.1. The steel will be melted in the electrical arc furnace or through any other oxygen procedures.
- 1.2. Steel shall be fully killed

### **2. Chemical Composition**

- 2.1 The chemical composition of the ingot cast will be as mentioned below:

<b>Material grade</b>	<b>C</b>	<b>S</b>	<b>P</b>	<b>Si</b>	<b>Mn</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>V</b>
<b>30CRM04</b>	0.26-0.34	0.025 max	0.025 max	0.17-0.37	0.40-0.70	-	0.80-1.10	0.15-0.25	-

### **3. Process of Manufacture**

- 3.1 The steel should be forged at open die forging press.
- 3.2 Reduction ratio should be greater than 3:1

### **4. Dimensions and Tolerances**

- 4.1 Square Bar of size 250 mm will be supplied with varying length of 1.5 to 3 meters.
- 4.2 Tolerance of +5mm on size 250mm.

### **5. Forging and Heat Treatment**

- 5.1 Forging will be done at between the temperature ranges of 850°C to 1250°C
- 5.2 Bars will be supplied in annealed condition.

### **6. Non-Destructive Testing**

UT will be carried as per category 2 of AA0850118 R01

**MAKE IN INDIA SELF CERTIFICATION**

As per Government Public procurement order no. P-45021/2/2017-BE-II dt.15.06.2017 & P45021/2/2017-PP(BE-II) dated 28.05.2018,29.5.2019, 04.6.2020 and amendment dated 16.09.2020, it is hereby certifying that we

.....  
..... (supplier name) are .....(Class-I/Class-II)  
local supplier and will meet the requirement of minimum local content of .....  
(50%/20%) as defined in public procurement order dated 04.6.2020 for 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.

**Note:**

As per office order P-45021/102/2019-BE-II-Part (1) (E-50310) Dated 04/03/2021, Bidders can't claim itself as "Class-I local supplier/Class-II local suppliers" by claiming the service such as transportation, insurance, installation, commissioning, training & after sales service support like AMC/CMC etc. as local value addition. Bidder offering imported product will fall under the category of Non-Local supplier.

## TECHNO-COMMERCIAL CHECKLIST

SL. NO.	TERMS & CONDITION	VENDOR CONFIRMATION /REMARKS / REPLY
1	BIDDER NAME	
2	GEM BID NO	
3	ITEM IS TO BE SUPPLIED AS PER TECHNICAL SPECIFICATION	
4	ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY	
5	KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.	
6	ITEM TO BE SUPPLIED AS PER ATTACHED TDC.	
7	QUANTITY TOLERANCE +/- 5% ACCEPTABLE.	
8	MINIMUM LENGTH SHOULD BE 3000MM.	
9	MATERIAL TEST CERTIFICATES AS PER UNI 7874 IS REQUIRED.	
10	<b>KINDLY SUBMIT MAKE IN INDIA SELF CERTIFICATION</b>	
11	<p><b>RISK PURCHASE:</b> 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 EXISTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.</p>	
12	<p><b>ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:</b>            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  <a href="https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors">"https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors"</a></p>	

1. KINDLY MENTION THE GEM TENDER NO IN THE EMD NARRATION/REMARKS, WHILE SUBMITTED THE EMD THROUGH RTGS.
2. VENDOR WITH REGISTRATION CODE I09169, M02822, M03598, M06068, M19158, M20183, M21050, M21181, M41544, M72518, M72519 & P40303 REGISTERED WITH BHEL-HEEP, HARIDWAR IN PMD (PRODUCT MATERIAL DIRECTORY) SL038, Material Description: HOT ROLLED/FORGED MEDIUM ALLOY STEEL BARS ARE EXEMPTED FROM SUBMISSION OF EMD.
3. BIDDERS CAN ALSO SUBMIT THE EMD WITH PAYMENT ONLINE THROUGH RTGS / INTERNET BANKING IN BENEFICIARY NAME BHEL HEEP HARIDWAR ACCOUNT NO. 1 0 6 6 7 9 9 5 4 5 8 IFSC CODE SBIN0000586 BANK NAME STATE BANK OF INDIA BRANCH ADDRESS SECTOR-5 RANIPUR HARIDWAR BIDDER TO INDICATE BID NUMBER AND NAME OF BIDDING ENTITY IN THE TRANSACTION DETAILS FIELD AT THE TIME OF ONLINE TRANSFER. BIDDER HAS TO UPLOAD SCANNED COPY / PROOF OF THE ONLINE PAYMENT TRANSFER ALONG WITH BID.
4. **KINDLY SUBMIT MAKE IN INDIA SELF CERTIFICATION.**
5. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY
6. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.
7. KINDLY ARRANGE TO **SUBMIT TECHNO-COMMERCIAL CHECKLIST** ALONG WITH YOUR OFFER.
8. VENDOR TO CONFIRM TO PROVIDE TECHNICAL DATASHEET/CATALOGUES OF MS TERMINAL PLATES & TERMINAL BOARDS AS PER ENQUIRY DOCUMENTS ALONG WITH MATERIAL DISPATCH.
9. VENDOR TO CONFIRM TO PROVIDE DIMENSIONAL REPORTS OF TERMINAL PLATES AND BOARDS.
10. VENDOR TO CONFIRM TO PROVIDE DOCUMENTS KEEP PROPER CORRELATION WITH PO ITEMS AND THEIR QUANTITY.
11. VENDOR TO CONFIRM TO PROVIDE CERTIFICATE OF CONFORMANCE ALONG WITH MATERIAL DISPATCH.
12. VENDOR TO CONFIRM TO PROVIDE NON REMOVABLE IDENTIFICATION OF ALL ITEMS AND THEIR REPORT ACCORDINGLY.
13. **KINDLY ARRANGE TO SUBMIT MAKE IN INDIA SELF CERTIFICATION.**
14. MSE/MII: THE SUPPLIER NEEDS TO SUBMIT/UPDATE MSE/MII CREDENTIALS ON GEM PORTAL DURING PROFILE UPDATION/ OFFER SUBMISSION STAGE. THE MSE DATA SUBMITTED IS CROSS VERIFIED BY GEM WITH GOVT. OF INDIA UDYAM/NSIC DATABASE THROUGH API INTEGRATION ON REAL TIME BASIS AND FOR MII, A SELF DECLARATION IS BEING GIVEN AND AUTHENTICATED BY AADHAR OTP. IF THE SELLER FAILS TO CLAIM MSE/MII PROVISION ON GEM PORTAL AT PROFILE UPDATION/BID SUBMISSION STAGE, THE SAID SELLER WILL BECOME INELIGIBLE FOR GETTING THE MSE/MII BENEFITS FOR THAT BID AUTOMATICALLY. THE VENDOR CAN ALWAYS CONTACT THE GEM HELPDESK, IN CASE OF ANY ISSUES.
15. THE PRICE QUOTE BY BIDDER SHOULD BE INCLUSIVE OF GST & SHOULD BE ON BHEL HEEP HARIDWAR STORES BASIS.
16. BIDDER'S OFFER IS LIABLE TO BE REJECTED IF THEY DON'T UPLOAD ANY OF THE CERTIFICATES / DOCUMENTS SOUGHT IN THE BID DOCUMENT, ATC AND CORRIGENDUM IF ANY.
17. **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.

**18. 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>

19. BIDDERS ARE ADVISED TO CHECK APPLICABLE GST ON THEIR OWN BEFORE QUOTING. BUYER WILL NOT TAKE ANY RESPONSIBILITY IN THIS REGARDS. GST REIMBURSEMENT WILL BE AS PER ACTUALS OR AS PER APPLICABLE RATES (WHICHEVER IS LOWER), SUBJECT TO THE MAXIMUM OF QUOTED GST %.
20. BIDDER SHALL SUBMIT THE FOLLOWING DOCUMENTS ALONG WITH THEIR BID FOR VENDOR CODE CREATION:  
**A. COPY OF PAN CARD B. COPY OF GSTIN C. COPY OF MSE CERIFICATE**
21. DEDICATED /TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT: BIDDER/OEM MUST HAVE DEDICATED/TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT.
22. DATA SHEET OF THE PRODUCT(S) OFFERED IN THE BID, ARE TO BE UPLOADED ALONG WITH THE BID DOCUMENTS. BUYERS CAN MATCH AND VERIFY THE DATA SHEET WITH THE PRODUCT SPECIFICATIONS OFFERED. IN CASE OF ANY UNEXPLAINED MISMATCH OF TECHNICAL PARAMETERS, THE BID IS LIABLE FOR REJECTION.
23. SCOPE OF SUPPLY (BID PRICE TO INCLUDE ALL COST COMPONENTS): ONLY SUPPLY OF GOODS.
24. PRODUCTS SUPPLIED SHALL BE NONTOXIC AND HARMLESS TO HEALTH. IN THE CASE OF TOXIC MATERIALS, MATERIAL SAFETY DATA SHEET MAY BE FURNISHED ALONG WITH THE MATERIAL.
25. WHILE GENERATING INVOICE IN GEM PORTAL, THE SELLER MUST UPLOAD SCANNED COPY OF GST INVOICE AND THE SCREENSHOT OF GST PORTAL CONFIRMING PAYMENT OF GST.
- 26. PAYMENT TERMS SHALL BE AS PER FOLLOWINGS:**
- a) **For Non-MSME bidders:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. (MSME means Micro, Small & Medium Enterprises) (THIS IS IN SUPERSESION OF 10 DAYS' TIME AS PROVIDED IN CLAUSE 12 OF GEM GTC).
- b) **FOR MSE BIDDER:** For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act. 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."
- c) **FOR MEDIUM ENTERPRISES:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 60 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order.
- d) Please note that vendor to adhere to the payment terms as per above. No deviation in payment terms shall be accepted. Vendor to submit their offer accordingly. In case of deviation in payment terms, offer of the vendor may be rejected.