

Tender No. F/F219/22/0735/K1

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

Tender No.: F/F219/22/0735/K1

Opening Date: 10.08.2022

Sub: BHEL-HEEP/OPEN-TENDER (Bright Steel Bars & Sections)

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.

Online offers are invited through e-procurement portal <https://eprocurebhel.co.in/nicgep/app> from suppliers for the supply of the following items: -

Sl. No.	Item Description	Material Code	Size (mm) W×T	Qty. (Kg)
1	Bright Steel Bars & Sections (Standard Quality) Specification: AA10112 Rev: 07	HW1010312995	5×3	3500

The Techno-Commercial offers received will be evaluated by BHEL & successful short-listed parties will be asked to supply the item as per tender document. 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.

The tender documents can be downloaded from <https://eprocurebhel.co.in/nicgep/app>, <https://hwr.bhel.com> and www.bhel.com portals. **Only those vendors who fulfill the Pre-Qualifying Requirements (as per Annexure-II) will be considered for further technical evaluation.**

The last date for downloading tender documents shall be 09.08.2022 & opening of tender shall be 10.08.2022. Tenders will be received up to 01.45 P.M. on **09.08.2022** and opened on **10.08.2022** at 2.00 P.M. on <https://eprocurebhel.co.in/nicgep/app>. **Please note that tender received after 01.45 PM on 09.08.2022 will not be opened.** BHEL will not be responsible for any type of delay.

The total quantity may undergo change at the time of ordering.

The details of each item with required delivery are given in **Annexure-I (Details of Items)**

Please submit your Techno-Commercial offer only for the above requirement subject to our terms and conditions.

KINDLY READ “INSTRUCTIONS TO BIDDERS.” QUOTATION NOT IN ACCORDANCE WITH THE INSTRUCTIONS ARE LIABLE TO BE DISQUALIFIED AND IGNORED.

INSTRUCTIONS TO BIDDERS FOR OPEN TENDER

Vendors must fill up Annexure– II in confirmation to mandatory Pre-Qualification Requirements and quality requirements.

ESSENTIAL INSTRUCTIONS

1. **BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).**
2. The tenders shall be submitted in two parts
 - i. Part I - Techno -Commercial Bid & Pre-Qualification Requirements
 - ii. Part II - Price Bid
3. **The Quotation should be from the Principal / Original Manufacturer, failing which the quotation is likely to be ignored. In Case the quotation is submitted through agent, the quotation must accompany original authorization letter and following to be followed-**
 - a. Either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both.
 - b. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored.
 - c. The agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender.

The authorization letter from the manufacturer, clearly indicating contact details like Name, E-mail & address of manufacturer and relationship with agent and its validity to be submitted with bid. The authorization letter should be tender specific. In case order is to be placed and executed by the agent, the following aspects are to be ensured-

- a. The manufacturer should meet the PQR requirements as defined in the tender.
 - b. In order to establish capability of agent to execute the order, the agent should have annual turnover of at least equal to the estimated value of the goods required under the subject tender during one Financial Year and Net worth of the bidder (agent) should be positive.
 - c. Manufacturer and bidder should jointly confirm Guarantee for the Quality of product and timely delivery as stipulated in NIT.
4. Documents submitted with the offer/bid by the bidder shall be signed and stamped in each page by authorized representative of the bidder.
 5. Any corrections / amendments shall be properly & fully authenticated with signature. No overwriting is acceptable.
 6. Part-I containing Techno-Commercial bid & Pre-Qualification Requirement will be opened on the date and time specified in the tender notice in the presence of those vendors who wish to attend.
 7. Part-II (Price Bids) along with supplementary price bids, if necessary, will be opened at a later date of only those bidders whose techno-commercial bid has been found acceptable.
 8. Suitability of delivery shall be the important criteria for evaluation of techno commercial bid.
 9. **Evaluation of Bid: - The bid shall be evaluated**
 - a. **Cost to BHEL basis. (Basic Cost + Inspection + Transportation + Duty + Taxes)**
 - b. **The loading, if any, on account of LD penalty, payment terms or any other cost determined at later stage, which shall be communicated to the vendor.**
 10. Tenders when finalized shall be in the name of the bidder only and change of name during tender evaluation (without certificate from registrar of company) and after submission of the tender is liable to make the offer ineligible for participation.
 11. All test certificates / Guarantee certificates to be submitted in TRIPLICATE along with dispatch documents.
 12. BHEL reserves the right to open the price bid (part-II) along with the opening of techno-commercial offer at its option and in that case vendor will be informed accordingly.
 13. Total weight--/Gross/Net in Kg & also package size essentially should be indicated if not exact then approximate.
 14. BHEL will evaluate the technical bids against essential criteria/requirements. BHEL may seek clarifications, if required, from the qualified bidders only. These clarifications will be communicated to the eligible vendors. **The offers of those bidders, who are unable to respond in specified time frame, are likely to be ignored.**

Note: Please visit our site <https://hwr.bhel.com> for General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries. All the bidders / vendors must ensure compliance of latest GISTC.

GISTC are available in following link

<https://hwr.bhel.com/bhelweb/Gistc.jsp>

IN CASE YOU ARE NOT MAKING AN OFFER AGAINST THIS ENQUIRY, THEN PLEASE ARRANGE TO SEND A LETTER OF REGRET.

Tender No. F/F219/22/0735/K1

For clarification regarding tender, please contact following persons:

1) **P K Bansal / Sr. Engineer (PPX- F)**
4th Floor Main ADM Building
BHEL (HEEP), Haridwar
Phone No.- 01334284144
Mob No- 7533968681
Email- pankajkumar.bansal@bhel.in

2) **Pankaj Yadav / Manager (PPX- F)**
4th Floor Main ADM Building
BHEL (HEEP), Haridwar
Phone No.- 01334281032
Mob No- 9442275514
Email- pankaj.yadav@bhel.in

DETAILS OF COMPOSITION OF PART-I (TECHNO-COMMERCIAL BID) & PART-II (PRICE BID)

PART-I (TECHNO-COMMERCIAL BID) shall comprise of following documents:

- a. Confirmation to Pre-Qualification Requirement and Quality Requirement as per Annexure-II.
- b. Complete technical offer as per specification, drawings, technical requirement along with un-priced bid.
- c. Delivery schedule.
- d. Validity of offer for 90 days to be indicated.
- e. **Deviation with reference to specification/drawing, if any, should be clearly indicated on a separate sheet.**
- f. Details of activity outsourced.

PART -II (Price Bid)

- a. Price bid with prices to be submitted as part-II of the tender.
- b. Prices should remain firm till the execution of the order.
- c. **In case of foreign vendors, Bidders need to quote their prices on CFR any sea port in Mumbai in Euro/USD/JPY currency only.** The name of the currency should be clearly indicated in your bids.

Offers received other than CFR basis may result in non-consideration of such bids. However, if BHEL agrees to accept the CFR / FOB condition, to arrive at landed cost at our plant/site, loading shall be done as per latest GISTC.

In case of Indigenous vendor, prices may be quoted on FOR- Destination- Store-HEEP-BHEL basis. In case BHEL accepts the EX-Works prices such offers will be loaded by 1.5% of EX-Works value towards freight or with actual freight charges as per BHEL freight rate contract whichever is higher.

Insurance – Marine in case of foreign vendor & inland in case of Indigenous vendor shall be taken care by BHEL.

- d. **Prices are to be written in both Figures & Words. In case of any difference between the two, the figure written in words shall be considered for evaluation. No over writing in this is acceptable.**
- e. Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies.

ANNEXURE-I**Item Details and Delivery Schedule**

Sl. No.	Item Description	Mat. Code &	Size (mm) W×T	Qty. (Kg)	Delivery
1	Bright Steel Bars & Sections (Standard Quality) Specification: AA10112 Rev: 07	HW1010312995	5×3	3500	15.12.2022

Remarks-

1. Quantity tolerance $\pm 10\%$ is acceptable.
2. Risk purchase clause shall be applicable. If you do not confirm this in your offer, then it shall be presumed to be acceptable and no further confirmation will be taken after opening of techno-commercial bid part- 1.
3. After placement of order vendor should submit their invoices against goods and services immediately after supply of goods & services but not later than 30 days from the invoice date. In case of any delay, consequential losses like loss of input credit and non-availability of concessional forms etc., shall be to the vendor account.
4. Delivery mentioned above is indicative, bidders to quote their best possible delivery schedule.
5. Liquidated Damages (LD) for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies.
6. NOTE: THE QUANTITY INDICATED ABOVE CAN BE INCREASED/ DECREASED.

ANNEXURE-II**Pre- Qualification Requirements****➤ Technical Requirements-
Minimum Qualification Requirements**

Sl. No.	Technical Requirement	Vendor's confirmation (Y/N)
1.	Vendor must be having experience of manufacturing and supplying of bright bars of carbon steel or alloy steel. Vendor to submit documentary evidence like test certificate covering chemical, mechanical properties, supply dimension details in support of experience.	
2.	Vendor must have in-house manufacturing facility to manufacture bright bars as per enquiry specification and dimension. Details of in house manufacturing facilities like cold drawing/rolling as per the requirement of enquiry specification are to be submitted. In case of outsourcing of any operation, vendor to inform operation outsourced with their details of source.	
3.	Vendor to confirm that they have in house testing facility to carry out testing as per the requirements of enquiry specification. Details of in house testing facilities to be submitted. In case of outsourcing of any test, vendor to agree to carry out testing at Government accredited labs only.	
4	Vendor to confirm that they will meet all the requirements of BHEL specification AA10112 Rev: 07.	

➤ Quality Requirements-

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

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

ANNEXURE-III
(Specification)



CORPORATE PURCHASING SPECIFICATION

AA 101 12

Rev. No. 07

PAGE 1 OF 5

BRIGHT STEEL BARS AND SECTIONS (STANDARD QUALITY)

1.0 GENERAL:

This specification governs the quality requirements of Bright Steel Bars and Sections of standard quality, such as I-beams and equal angles required in very small sections.

2.0 APPLICATION:

Bars are used in the manufacture of threaded and machined components for general engineering purposes. Sections are used as stator spacer plate vents in generators.

3.0 CONDITION OF DELIVERY:

3.1 Round Bars - Class 4, surface quality.

Upto 50 mm diameter - Cold drawn.

Above 50mm diameter - Cold drawn or Hot rolled, turned and polished

3.2 Rectangular/Square/Hexagonal Bars - Class 3, surface quality.

All sizes - Cold drawn

3.3 Sections - Class 4, surface quality.

All sizes - Cold drawn

3.4 Bars and sections shall be straight, with their ends sheared, square and true and shall have a smooth surface.

3.5 The bars and sections shall be given a clear temporary rust preventive (TRP) coating to avoid corrosion during transit and storage.

Black TRP coating is not acceptable.

Clear TRP used shall be free from pungent smell.

The following clear TRP's are suggested:

- i) Servo RP 150 - M/s Indian Oil Corporation
- ii) HE - 1612 - M/s. BHEL, Bhopal
- iii) Rustilo DW-901 - M/s. Indrol Lubricants and Specialties Ltd.
- iv) Rustpro Special - M/s. Tide water oil co.
- v) Any other clear TRP conforming to IS: 1154

Revisions:

Cl. 27.2.d of MOM of MRC-S&GPS

APPROVED:

INTERPLANT MATERIAL RATIONALISATION
COMMITTEE-MRC (S&GPS)

Rev. No. 07

Amd.No. 00

Reaffirmed

Prepared

Issued

Date of 1st Issue

Dt: 15.06.2005

Dt :

Year :

BHOPAL

Corp. R&D

SEP, 1976



4.0 COMPLIANCE WITH NATIONAL STANDARDS:

The material shall comply with the requirements of the following National standard and also meet the requirements of this specification.

IS : 9550 - 2001 : Bright steel bars

5.0 DIMENSIONS AND TOLERANCES :

5.1 Sizes:

Bars shall be supplied to the dimensions specified in BHEL order.

5.2 Tolerances:

5.2.1 Rectangular/Square/Hexagonal/Flat Bars:

Unless otherwise specified, tolerances on dimensions shall be as follows:

For drawn round bars and turned bars h10 to table 2 of IS:9550.

For hexagonal and square drawn bars upto and including 80mm h11 and above 80mm h12 according to table 2 of IS:9550.

For drawn flats in accordance with table 3 and 4 of IS:9550.

For ground products in accordance with table 1 and 2 of IS:9550.

5.2.2 Sections:

As specified in BHEL order/drawing.

5.3 Length:

Bar and sections shall be supplied in lengths of 2.5 to 4.5 meters with maximum 10% of shorts of not less than 1.5 meters.

5.4 Straightness:

Unless otherwise agreed to, the permissible deviation shall not exceed 1.5mm in any one meter length. Bars and sections shall be free from twists and bends.

6.0 MATERIAL:

The rolled bars used for purpose of producing the bright bars shall be such, so as to ensure freedom from segregation, piping and other harmful defects.

**7.0 MANUFACTURE:**

Steel shall be manufactured by the open-hearth, electric, basic oxygen or a combination of these processes.

8.0 FREEDOM FOR DEFECTS :

All finished steel bars and section shall be sound and free from internal and surface defects. They shall be bright and clean.

9.0 SURFACE CONDITION:**9.1 Round Bars And Sections:**

Shall be entirely free from cracks and other surface defects.

9.2 Rectangular/Square/Hexagonal Bar-Type '3' Finish:

Shall comply with IS: 9550, Class 3 of table 5.

10.0 CHEMICAL COMPOSITION :

The melt analysis of steel and the permissible variation in the composition of the material from the melt analysis shall be as follows:

Element	Melt analysis, percent, max.	Permissible variation, percent,
Carbon	0.25	± 0.02
Sulphur	0.040	+ 0.005
Phosphorus	0.04 0	+ 0.005

11.0 TEST SAMPLES:

One sample for chemical and tensile test shall be selected from finished steel for every 20,000 kg or part thereof, with a minimum one per heat.

12.0 MECHANICAL PROPERTIES :

When tested in accordance with IS: 1608, the test pieces shall show the following properties:

12.1 Rectangular/Square/Hexagonal/Section - Cold Drawn:

Tensile strength : 440 N/mm², min

Elongation on 5.65

√So gauge length : 8-20%

CS-1053

**12.2 Round Bars:****12.2.1 Bars Upto 50 mm Diameter - Cold Drawn:**

Tensile strength	:	440 N/mm ² , min
Elongation on 5.65 √So gauge length	:	8-20%

12.2.2 Bars Above 50 mm Diameter:

Cold drawn or hot rolled, turned and polished.

Property	Hot rolled, turned and polished	OR	Cold drawn
Tensile strength, min.	410 N/mm ²		440 N/mm ²
Elongation on 5.65 √So gauge length	23%, min		8-20%

13.0 TEST CERTIFICATES :

Three copies of test certificates shall be supplied, unless otherwise stated in the order.

In addition, to the above, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information:

AA 101 12: Rev. No. 07

BHEL order No,

Supplier's Reference :

Name

Identification No.

Melt No.

Results of Tests :

Dimensional inspection.

Results of Chemical analysis and mechanical tests.

CS-1053



CORPORATE PURCHASING SPECIFICATION

AA 101 12

Rev. No. 07

PAGE 5 OF 5

14.0 PACKING AND MARKING :

The material shall be suitably packed in bundles – polythene wrapped to prevent sagging, corrosion and damage during transit. A suitable clear temporary rust preventive shall be applied all the bars as per clause 3.5 above and finally dispatched in wooden boxes.

Each bar over 50 mm shall be stamped at one end with 'AA10112'. Bars 50 mm and below shall be bundle together and tied with wire at 3 to 4 places along the length of the bar.

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

AA 10112: Bright Steel Bars And Sections (Standard Quality)

BHEL Order No.

Consignment/Identification No.

Melt No.

Size and Weight.

Supplier's Name

15.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. IS: 1154

2. IS : 1608

3. IS:9550

ANNEXURE-IV
(Risk Purchase Clause)

Risk Purchase Clause

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfilment 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.

Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

1. Contractor/ supplier's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor/ supplier including unexecuted portion of work/ supply does not appear to be executable within balance available period (#) considering its performance of execution.
2. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
3. Non completion of work/ Non-supply by the Contractor/ supplier within scheduled completion/delivery period as per Contract or as extended from time to time, for the reason attributable to the contractor/ supplier.
4. Termination of Contract on account of any other reason (s) attributable to Contractor/ Supplier.
5. Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
6. Non-compliance to any contractual condition or any other default attributable to Contractor/ Supplier.

#In-case inputs from BHEL/Customer are likely to be delayed or are actually delayed, this delay may also be taken into account while considering balance period available for execution of Contract.

Risk and Cost against Balance Work:

Risk & Cost Amount= $[(A-B) + (A \times H/100)]$

Where,

A= Value of Balance scope of Work/ Supply (*) as per rates of new contract

B= Value of Balance scope of Work/ Supply (*) as per rates of old contract being paid to the contractor/ supplier at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor to be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

***(Balance scope of work/ supply)**

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work/ Supply for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute/ extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute/ extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

NOTE: In case portion of work is being withdrawn, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work/supply' for calculating Risk & Cost amount.

LD against delay in executed work/supply in case of Termination of Contract

LD against delay in executed work/supply shall be calculated in line with LD clause of the contract for the delay attributable to contractor/ supplier. For this purpose, contract value shall be taken as Executed Value of work/supply for the purpose of limiting maximum LD value.

Method for calculation of "LD against delay in executed work/supply" is given below.

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor/ supplier= T1
- ii. Let the value of executed work/supply till the time of termination of contract= X
- iii. Let the Total Executable Value of work/supply for which inputs/fronTS were made available to contractor/ supplier and were planned for execution till termination of contract = Y
- iv. Delay in executed work/supply attributable to contractor/supplier i.e.
$$T2 = \frac{(1-X)}{Y} \times T1$$
- v. LD shall be calculated in line with LD clause of the Contract for the delay attributable to contractor/ supplier taking "X" as Contract Value and "T2" as delay attributable to contractor/ supplier.

Note: In case portion of work/supply is withdrawn, no LD shall be applicable for portion of work/supply withdrawn.

ANNEXURE- V

Certificate by Chartered Accountant on letter head

This is to Certify that M/s
(hereinafter referred to as 'company') having its registered office atis
registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part- II)
.....dtd:.....,
Category:.....(Micro/Small).(copy enclosed).

Further verified from the Books of Accounts that the investment of the company as
on dateas per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006:
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of RsLacs is within permissible limit of Rs..... Lacs for
.....micro / small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro / Small) (**Strike off whichever is not applicable**) and the date of graduation of such enterprises from its original category is
(dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprises from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name-

Membership Number-

Seal of Chartered Accountant