



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

**Tender No.: F/F219/5/2568/K1**

**Due Date: 21.11.2015**

**Sub: BHEL-HEEP/OPEN-TENDER (Stress Heat Resistant Bars Grade ST-RND-21CRM0V57)**

Dear Sir,

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 and so on.

Sealed tenders with the Tender No. and opening date clearly super scribed on the cover are invited from the manufacturers (registered as well as unregistered) for the supply of the following items:-

Tender No.	Item Description	Mat. Code	Size (mm)	Qty.
F/F219/5/2568/K1	Stress Heat Resistant Bars as per HW10673 Rev:02 and Grade ST-RND-21CRM0V57	HW1060273071	Dia-60	35000 Kg
		HW1060273241	Dia-85 ×L=4000	48 Nos.
		HW1060273250	Dia-65 ×L=3600	48 Nos.
		HW1060273233	Dia-75 ×L=4000	132 Nos.
		HW1060273020	Dia-45	3000 Kg
		HW1060273047	Dia-80	4000 Kg
		HW1060273284	Dia-230	2000 Kg
		HW1060273063	Dia-100	23000 Kg
		HW1060273365	Dia-120	34000 Kg
		HW1060273381	Dia-150	6000 Kg
		HW1060273276	Dia-110	3000 Kg
		HW1060273039	Dia-90	2500 Kg
		HW1060273080	Dia-70	7000 Kg
HW1060273390	Dia-65	7000 Kg		

The tender documents & Specification of item can be down loaded from our web site [www.bhel.com](http://www.bhel.com) or [www.bhelhwr.co.in](http://www.bhelhwr.co.in) or [www.tenders.gov.in](http://www.tenders.gov.in) or <http://eprocure.gov.in> submitted with requisite EMD and tender fee. **Only those vendors who fulfill the Minimum Qualifying Requirements (as per Annexure) will be considered for further technical evaluation.**

This notification shall be published in two national daily newspapers. **The last date for downloading tender documents shall be 20.11.2015 & opening of each tender shall be 21.11.2015.** Tenders will be received up to 01.45 P.M. on **21.11.2015** and opened on the same day at 2.00 P.M. in the Tender Room. **Please note that tender received after due date & time (01.45 PM on 21.11.2015) will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Intending vendors must remit the tender fee of Rs. 2,000/- (Rupees Two Thousand) for indigenous vendors (or equivalent amount in foreign currency for foreign vendors) against each tender along with the requisite EMD Rs. 2,00,000/- (Rupees Two Lacs Only) for indigenous vendors (or equivalent amount in foreign currency for foreign vendors) in the form of bank draft while submitting the tender documents as detailed in "Instruction to Bidders", after down loading from this web site.

**EMD is waived off for-**

- Central/ State – PSUs/ Government departments
- As per government guidelines, MSE suppliers are exempted for submission of EMD and Tender Fee (Subject to submission of valid NSIC certificate with sufficient validity).
- Registered BHEL HEEP PMD vendors of above subjected item i.e. Stress Heat Resistant Bars as per HW10673 Rev: 02 and Grade ST-RND-21CRM0V57

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

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

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

**IN ADDITION TO VENDORS MENTIONED ABOVE, OFFERS SHALL ALSO BE OPENED OF ONLY THOSE VENDORS WHO WILL SUBMIT EMD AND TENDER FEE. [PLEASE SUBMIT SEPARATE DRAFTS FOR EMD AND TENDER FEE DRAWN IN FAVOUR OF BHEL, HARIDWAR IN ANOTHER ENVELOPE SUPERSCRIBED WITH BOLD LETTERS "EMD & TENDER FEE" at 2 PM on the due date in**

the presence of authorized representative of the bidders who may like to be present. The authorized representative should bring authority letter from their parent company (Manufacturer) for attending the bid opening.

**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

### DEFINITION

**Registered Vendors** - Are those who are registered with BHEL, Haridwar for procurement of Stress Heat Resistant Bars Grade ST-RND-21CRMOV57

**Un-registered Vendors** - Are those who are not registered with BHEL, Haridwar for procurement of Stress Heat Resistant Bars Grade ST-RND-21CRMOV57.

### **Pre-Qualification requirements for round bars of material grade 21CrMoV57 specification HW10673**

Round bars of material grade 21CrMoV57 shall be used in Steam Turbine High Temperature application. Material shall be subjected to Creep condition.

**Below points (1 to 5) are mandatory qualification requirements. Offers of vendors not meeting these requirements will not be considered:**

1. Vendor must have experience of manufacturing and supplying round bars of material grade 21CrMoV57.
  - (a) **Minimum experience requirement:** Vendor must have successfully executed at least three orders or supplied minimum 10 Tons in grade 21CrMoV57 on the tender opening date. **Material supplied in hardened and tempered condition only will be considered for experience.**
  - (b) Vendor having Creep Rupture data for 1000 hrs (Stress:  $180 \pm 10$ Mpa, Temperature:  $550 \pm 10$ °C) or Creep Properties as per EN10269 will also be considered as qualified in case they are not meeting the criteria as per 1 (a) above. Vendor to submit experience in the table below (refer 2a) along with Creep Rupture / Creep test results.
2. (a) In support of above, details of the experience to be submitted with offer in the format given below:

Sl. No	Name of customer	Purchase order No	Size	Year of supply	Quantity

- (b) As documentary evidence, vendor to submit test certificates, un-priced PO copies for the above supplies.
3. Vendor must have in-house manufacturing facilities like melting, secondary refining including vacuum degassing, rolling / forging, heat treatment etc. to manufacture round bars as per BHEL specification HW10673 and enquiry size. **Vacuum degassed steel shall be used.**  
Details of the manufacturing facilities like steel melting, secondary refining including vacuum degassing, rolling / forging, heat treatment etc. shall be provided with offer. **Outsourcing of any of above operation is not acceptable.**  
Vendor shall submit following manufacturing details with relevant supporting documents with offer:
  - Steel melting facility including secondary refining & vacuum degassing facility
  - Rolling facility - Minimum and maximum dimension which can be rolled (dia and length)
  - Forging facility - Press / Hammer details - Minimum and maximum dimension which can be forged (dia and length)
  - Heat Treatment - Furnace details, furnace and instrument calibration certificate, quenching media (air, oil, polymer)
4. Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10673. In case of outsourcing of any test, vendor to agree to carry out testing at Government accredited labs only.
5. Vendor to confirm that they will meet all the requirements of BHEL specification HW10673. Clause wise confirmation to be given with offer.

➤ **Quality Requirements-**

All vendors to confirm inspection by third party inspection agency (LRS/TUV/BV) in case of import and BHEL nominated agency 'SGS' in case of indigenous as per Quality Plan No. "QA/CF/QP/368/OT, Rev: 00" (Refer Annexure -VIII).

**Vendors must fill up Annexure– II in confirmation to above Minimum Qualifying Requirements and quality requirement.**

## ESSENTIAL INSTRUCTIONS

1. Only those bids will be opened which have been submitted with requisite EMD & tender fee.
2. All un-registered vendors shall be approved by BHEL, if found suitable, on the basis of data furnished by them in Supplier Registration Form (SRF) Foreign Vendors or Indigenous Vendors. Vendor (s) shall not be considered for ordering if not approved by BHEL.
3. BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).
4. The tender document must comprise of four envelopes:
  - i) Envelope I : Tender Fee & EMD or NSIC Certificate for exemption of tender fee & EMD.
  - ii) Envelope II : Pre- Qualifying Requirement & Supplier Registration Form.
  - iii) Envelope III : Techno -Commercial Bid.
  - iv) Envelope IV : Price Bid.

It is essential that all the four envelopes comprising of the above information should be submitted on the due date otherwise the authenticity of tender date & time will be defeated. In view of the above, it is proposed that offer should comprise of the above four envelopes at the time of tender opening.
5. The tenders shall be submitted in three parts
  - i. Part I - Techno -Commercial Bid,
  - ii. Part II - price Bid &
  - iii. Part III - Vendor Registration Formas described below on or before the due date. Vendor Registration Form shall be submitted by unregistered vendors only.
6. **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.**
7. Any corrections / amendments shall be properly & fully authenticated with signature. No overwriting is acceptable.
8. In case of ordering, manufacturing plan should be submitted for BHEL approval.
9. Part-I containing techno-Commercial bid and part-III containing Vendor Registration Form will be opened on the date and time specified in the tender notice in the presence of those tenders who wish to attend.
10. 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.
11. Suitability of delivery shall be the important criteria for evaluation of techno commercial bid and the bids falling within the delivery period and meeting the last delivery requirement. Any offers beyond this period shall be rejected.
12. Currency exchange rate will be applicable on the date of opening of Part-I (Techno-commercial Bid) for evaluation purpose.
13. **Evaluation of Bid: - The bid shall be evaluated**
  - a. **Cost to BHEL basis. ( Basic Cost + Inspection Charges +Bank Charges+ Transportation + Duty )**
  - 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.**
  - c. **Evaluation of Comparative Statement will be done on item wise full quantity basis i.e. landed cost of DEEC & PI will be added and evaluated except size Dia-60 mm & Dia-75 mm, L=4000 mm.**
14. 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.
15. All test certificates / Guarantee certificates to be submitted in TRIPLICATE along with dispatch documents.
16. 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.
17. BHEL reserves the right to go for reverse auction. Vendors are requested to give their best price. In case of failure of reverse auction the paper bid shall be processed. Bidder should clearly indicate their acceptance for reverse auctioning in Annexure- I. The Terms & Condition for Reverse Auctioning are as per Annexure III.
18. Total weight--/Gross/Net in Kg & also package size essentially should be indicated if not exact then approximate.
19. 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.**
20. MSE Suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at annexure-IX where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will

be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders.

No benefit shall be applicable for this enquiry if any deficiency in the above required documents is found or the requisite documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazette officer.

21. Any new supplier will be eligible for registration with BHEL as MSE supplier provided at least any one of the following documents are submitted along with application for registration :- a. Valid NSIC Certificate or b. Entrepreneurs Memorandum part II (EM II) certificate (valid based on deemed validity of 5 years) or c. EM II certificate along with attested copy of CA Certificate (as per prescribed format at annexure IX) applicable for the relevant financial year (latest audited), where the deemed validity of EM II is over.
22. MSE vendors claiming SC/ST status will have to submit SC/ST certificate of the Proprietor from competent authority. Attested (notarized or attested by Gazetted officer) copy to be submitted along with the offer. In case techno-commercial accepted vendors include MSE source and their prices (based on landed cost to BHEL) are within the price band of 15% w.r.t. L-1 vendor, then BHEL can offer 20% of quantity of respective item (rounded off to nearest number) to MSE vendors at L-1 price and in case, more than one MSE vendor is in 15 % band and the same is accepted by more than one MSE vendors then 20% quantities of respective items will be considered for ordering on proportionate basis amongst MSE vendors.
23. While distributing the 20% quantity amongst MSE vendors the decimal points in quantity shall be ignored for all the vendors except the L-1 amongst MSE vendors. Balance quantity after allocating the quantity to other MSE vendors ignoring the quantities in decimal, shall be given to L-1 (amongst MSE) vendor. However if there are more than one MSE vendor at the same price level than preference for additional quantities due to ignoring off the decimal (as mentioned above) shall be given to the vendor offering favourable terms to BHEL and if the conditions offered are also same then preference will be given to the vendor having high SPR rating.
24. In case there are more than one MSE vendors (with different landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given to the MSE vendor with lowest landed cost.
25. In case there are more than one MSE vendors (with same landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given first, based on the favorable terms in the bid and in case terms are also same, the vendor with high SPR rating shall be given preference. If L1 vendor is MSE vendor, entire quantity will be given to such MSE vendor only.
26. SETTLEMENT OF DISPUTES
  - Indigenous Vendors: In all cases of dispute the matter shall be referred for arbitration to any arbitrator to be appointed by the Executive Director or any officer who is the administrative head of Bharat Heavy Electricals Ltd., at Haridwar. The venue of arbitration shall invariably be Ranipur Haridwar. The award of the arbitrator shall be final and binding on both the parties. The arbitrator shall have the power to extend, from time to time, the time for making his award with the consent of the parties.
  - Foreign Vendors: In the event of any dispute or difference arising between the parties to this contract regarding execution of same or their respective rights and liabilities there under, the same shall except as otherwise expressly provided therein, be referred to the arbitration of the two arbitrators, one to be appointed by each party; or in the case of the said arbitrators not agreeing then an umpire to be appointed by the two arbitrators in writing before entering on that reference and provisions of the Indian Arbitration Act, 1940 or any statutory notification, or re-enactment therefore and rules framed there under from time to time shall apply to such arbitration. If the two arbitrators do not agree on the appointment of umpire, the nomination of the umpire shall be done by the International Chamber of Commerce, Paris(France).The decision of arbitrators, or in case of their not agreeing, that of the said umpire shall be binding both on seller and purchaser. The venue of the arbitration invariably be New Delhi.
27. JURISDICTION

All question, dispute or differences arising under, out of or in connection with the purchase order shall be subject to the exclusive jurisdiction of Haridwar courts.
28. OVER RIDING CLAUSE

All stipulations made in any correspondence other than those exchanged in regards to “instruction” in our tender documents / enquiry for submission of your offer, if at all shall be void to the extent they are repugnant to the conditions contained herein above and in the purchase order.
29. FINALITY OF MANAGEMENT DECISION

At all places in the preceding clauses BHEL Management’s decision shall be final.

**IN CASE YOU ARE NOT MAKING AN OFFER AGAINST THIS ENQUIRY, THEN PLEASE ARRANGE TO SEND A LETTER OF REGRET IF YOU HAVE COLLECTED THE TENDER DOCUMENTS FROM BHEL.**

**DETAILS OF COMPOSITION OF PART-I (TECHNO-COMMERCIAL BID), PART-II (PRICE BID) & PART-III (VENDOR REGISTRATION FORM)**

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

- a. Confirmation to Minimum 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. Inspection charges by LRS/TUV/BV separately for foreign vendors.
- e. Validity of offer to be indicated.
- f. **Annexure- I** - Compliance sheet for technical/commercial terms and conditions for two part tender.
- g. **Deviation with reference to specification/drawing, if any, should be clearly indicated on a separate sheet.**
- h. Details of activity outsourced.
- i. Copy of Quality Plan (Quality Plan Format placed at Annexure- VIII).

**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, Please quote your rates C&F Landing Port only. In case of Indigenous vendor, prices may be quoted on FOR- Destination- Store-HEEP-BHEL basis.** Insurance – Marine in case of foreign vendor & inland in case of Indigenous vendor shall be taken care by BHEL.
- d. LRS/TUV/BV inspection charges to be quoted separately in case of foreign vendors.
- e. **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.**
- f. LD Penalty shall be applicable at the rate of ½ % (half percent) per week or part thereof subject to a maximum of 10% of the value of unexecuted portion of order. In case of any variation in LD penalty, your prices shall be loaded to the extent LD penalty not accepted by you.
  - Payment term shall be “100% payment against dispatch documents, through irrevocable unconfirmed LC or Cash against Documents (for foreign vendors) with bank charges as either side and after receipt and acceptance of material (for indigenous vendors)”. **BHEL as a rule do not agree to release advance payment.**
  - **Difference, if any, in cost in payment terms with respect to BHEL Payment terms (“100% payment against dispatch documents, through irrevocable LC or Cash against documents (for foreign vendors) and after receipt and acceptance (for indigenous vendors)” shall be loaded in prices of vendor.**
- g. Irrevocable LC is opened for one quarter (3 months) & is established 60 days prior to delivery schedule. The charges of establishing the LC are on either side i.e. charges in India to be borne by BHEL and charges outside of India to be borne by vendor. If any vendor insists for LC for more than one quarter, vendor has to essentially bear all charges (Within & Outside India) for the period exceeding one quarter.
- h. **BHEL does not open confirmed LC even if vendor agrees to bear the confirmation charges.**

**Part-III - Vendor Registration Form (SRF)**

**(SRF-Foreign Suppliers or SRF-Indian Suppliers)**

- a. The SRF (as applicable) duly filled up will be assessed for manufacturing capability quality systems being followed, organizational soundness and financial worthiness. The same shall be submitted with Part-I (Techno-Commercial Bid) by un-registered vendor only with BHEL, HEEP, Haridwar.

## **MARKING OF ENVELOPE:**

- Each envelop is to be super scribed as “TENDER FOR (ITEM NAME) AGAINST TENDER NO.F/F219/5/2568K/1 DUE ON 21.11.2015”
- Drafts for Tender Fee & EMD to be kept in one envelop – Envelop –A. On the Top of the envelope, please write Draft No., Issuing Bank Details & Amount. Those vendors who are quoting for more than one tender must submit a statement in the envelops of all those tenders giving details of all the tenders being quoted. However, the draft of each tender should be kept in individual tender envelop.
- Techno-Commercial - Part-I to be kept in another envelop – Envelop-B & to be marked as Techno-Commercial Offer.
- Vendor Registration Form - Part –III to be kept in another envelop – Envelop – C & to be marked as Vendor Registration Form.
- Price Bid – Part-II to be kept in another envelop – Envelop-D & to be marked as Price Bid.
- Envelop-A, Envelop-B, Envelop-C & Envelop-D are to be kept in one envelop super scribed as above

**Envelopes not marked as above are liable to be ignored and will not be opened.**

## ANNEXURE-I

### COMPLIANCE SHEET FOR TECHNICAL/COMMERCIAL TERMS AND CONDITIONS FOR TWO PART TENDER

**PLEASE FILL THIS ANNEXURE & ATTACH WITH YOUR TECHNO-COMMERCIAL BID.**

Offer must be sent in two separate sealed envelopes containing techno-commercial offer in one envelope marked "TECHNO-COMMERCIAL BID" and prices in second envelope marked "PRICE-BID". Both the envelopes must be contained in the main envelope. Tender name and due date to be marked on all the envelopes.

You are requested to kindly confirm /clarify the following:-

S. No.	Description	Vendor's Confirmation
1	Vendor to confirm that they meet each & every clause of our specifications/Drawings.	YES / NO
2	If "No" to serial number 1, vendor to specify each deviated clause & submit in a separate sheet.	
3	Vendor to list out on a separate sheet any activity which is outsourced. Please furnish details of out sourced vendor.	
4	Validity: confirm that validity of the offer shall be 90 days from the date of tender opening	YES / NO
5	Confirm that un-priced part of price bid is enclosed with technical commercial offer	YES / NO
6	Confirm delivery quoted as per enquiry	YES / NO
7	<b>For foreign Vendors-</b> Confirm that you have quoted your rates with the option C&F Landing Port with third party inspection charges separately. <b>For Indigenous Vendors-</b> Confirm that you have quoted your rates on FOR Destination basis.	YES / NO
8	Confirm that Loading Port has been mentioned.	YES / NO
9	Confirm that prices shall be firm and fixed throughout delivery period.	YES / NO
10	<b>For foreign Vendors-</b> Confirm that payment term shall be "On collection basis through SBI/PNB Ranipur, Hardwar" (CAD). <b>For Indigenous Vendors-</b> Confirm that payment term shall be "100% payment after receipt and acceptance of material.	YES / NO
11	LD Penalty shall be applicable at the rate of ½ % (half percent) per week or part thereof subject to a maximum of 10% of the value of unexecuted portion of order.	YES / NO
12	Confirm that all test certificates to be submitted as per BHEL specification. in TRIPLICATE along with despatch documents	YES / NO
13	Right of acceptance – BHEL reserves the right to reject any or all quotations without assigning any reasons thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Vendors should be prepared to accept order for reduced quantities without any extra charges. Vendor should also be prepared for giving discount in case of increase in quantity.	YES / NO
14	Confirm specifically that material shall be supplied as per tender documents.	YES / NO
15	Ink signed order acceptance shall be furnished within 15 days of order placement.	YES / NO
16	Confirm if there is Indian agency commission.	YES / NO
17	Please confirm to participate in Reverse Auction.	YES / NO
18	Confirm acceptance of Risk Purchase clause.	YES / NO
19	Confirm to send original ink signed copy of offer, if offer has been sent through email or FAX or photocopy has been submitted.	YES / NO

## ANNEXURE-II

➤ **Technical Requirements-**

**Pre-Qualification requirements for round bars of material grade 21CrMoV57 specification HW10673**

Round bars of material grade 21CrMoV57 shall be used in Steam Turbine High Temperature application. Material shall be subjected to Creep condition.

**Below points (1 to 5) are mandatory qualification requirements. Offers of vendors not meeting these requirements will not be considered:**

Sl. No.	Technical Requirement	Vendor's confirmation (Y/N)																								
01	<p>Vendor must have experience of manufacturing and supplying round bars of material grade 21CrMoV57.</p> <p>(a) <b>Minimum experience requirement:</b> Vendor must have successfully executed at least three orders or supplied minimum 10 Tons in grade 21CrMoV57 on the tender opening date. <b>Material supplied in hardened and tempered condition only will be considered for experience.</b></p> <p>(b) Vendor having Creep Rupture data for 1000hrs (Stress: 180 ± 10Mpa, Temperature: 550± 10°C) or Creep Properties as per EN10269 will also be considered as qualified in case they are not meeting the criteria as per 1 (a) above. Vendor to submit experience in the table below (refer 2a) along with Creep Rupture / Creep test results.</p>																									
02	<p>(a) In support of above, details of the experience to be submitted with offer in the format given below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Sl. No</th> <th style="text-align: center;">Name of customer</th> <th style="text-align: center;">Purchase order No</th> <th style="text-align: center;">Size</th> <th style="text-align: center;">Year of supply</th> <th style="text-align: center;">Quantity</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>(b) As documentary evidence, vendor to submit test certificates, un-priced PO copies for the above supplies.</p>	Sl. No	Name of customer	Purchase order No	Size	Year of supply	Quantity																			
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03	<p>Vendor must have in-house manufacturing facilities like melting, secondary refining including vacuum degassing, rolling / forging, heat treatment etc. to manufacture round bars as per BHEL specification HW10673 and enquiry size. <b>Vacuum degassed steel shall be used.</b> Details of the manufacturing facilities like steel melting, secondary refining including vacuum degassing, rolling / forging, heat treatment etc. shall be provided with offer. <b>Outsourcing of any of above operation is not acceptable.</b></p> <p>Vendor shall submit following manufacturing details with relevant supporting documents with offer:</p> <ul style="list-style-type: none"> <li>- Steel melting facility including secondary refining &amp; vacuum degassing facility</li> <li>- Rolling facility - Minimum and maximum dimension which can be rolled (dia and length)</li> <li>- Forging facility - Press / Hammer details - Minimum and maximum dimension which can be forged (dia and length)</li> <li>- Heat Treatment - Furnace details, furnace and instrument calibration certificate, quenching media (air, oil, polymer)</li> </ul>																									
04	<p>Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10673. In case of outsourcing of any test, vendor to agree to carry out testing at Government accredited labs only.</p>																									
05	<p>Vendor to confirm that they will meet all the requirements of BHEL specification HW10673. Clause wise confirmation to be given with offer.</p>																									

**Signature with stamp**

**Name:**

**Name of Firm:**

**Designation:**

**Date:**

➤ **Quality Requirements-**

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	All vendors to confirm inspection by third party inspection agency (LRS/TUV/BV) in case of import and BHEL nominated agency 'SGS' in case of indigenous as per Quality Plan No. "QA/CF/QP/368/OT, Rev: 00" (Refer Annexure -VIII).	

**Signature with stamp**

**Name:**

**Name of Firm:**

**Designation:**

**Date:**

## ANNEXURE-III

### TERMS AND CONDITIONS OF REVERSE AUCTIONING

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., **ON LINE BIDDING (THROUGH A SERVICE PROVIDER)**. The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit „online sealed bid“ in the Reverse Auction. Non-submission of „online sealed bid“ by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (Annexure X) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (**Annexure XI**) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL’s standard practice.
12. Bidders shall be required to read the “Terms and Conditions” section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction“, which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.

14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
- 15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.**

## ANNEXURE-IV

### (Item Details and Delivery Schedule)

Sl. No	Tender No.	Item Description	Mat. Code	Size (mm)	Qty.	Delivery
1	F/F219/5/ 2568/K1	Stress Heat Resistant Bars Hot Rolled Round Forged, Hardened Tempered as per HW10673 Rev:02 and Grade ST-RND- 21CRMOV57	HW1060273071	Dia-60	35000 Kg	15.04.2016
2			HW1060273241	Dia-85 ×L=4000	48 Nos.	15.04.2016
3			HW1060273250	Dia-65 ×L=3600	48 Nos.	15.04.2016
4			HW1060273233	Dia-75 ×L=4000	132 Nos.	15.04.2016
5			HW1060273020	Dia-45	3000 Kg	15.04.2016
6			HW1060273047	Dia-80	4000 Kg	15.04.2016
7			HW1060273284	Dia-230	2000 Kg	15.04.2016
8			HW1060273063	Dia-100	23000 Kg	15.04.2016
9			HW1060273365	Dia-120	34000 Kg	15.04.2016
10			HW1060273381	Dia-150	6000 Kg	15.04.2016
11			HW1060273276	Dia-110	3000 Kg	15.04.2016
12			HW1060273039	Dia-90	2500 Kg	15.04.2016
13			HW1060273080	Dia-70	7000 Kg	15.04.2016
14			HW1060273390	Dia-65	7000 Kg	15.04.2016



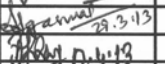
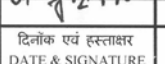
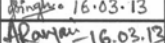

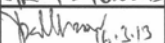
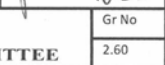
#### Remarks-

1. Quantity tolerance +/-10% acceptable for all above item sizes.
2. Evaluation of Comparative Statement will be done on item wise full quantity basis i.e. landed cost of DEEC & PI will be added and evaluated except Sl. no. 1 (Dia-60 mm) & Sl. no. 4 (Dia-75 mm, L=4000 mm).
3. No tolerance in no of pieces is acceptable for item no. 2, 3 & 4.

NOTE: THE QUANTITY INDICATED ABOVE CAN BE INCREASED/ DECREASED.

# ANNEXURE-V








## (Specification)




SUPERSEDES INVENTORY NO TLV 9186/01, 03/12-		संस्थान क्रय विनिर्देश ( हीप - हरिद्वार ) <b>PLANT PURCHASE SPECIFICATION</b> (HEEP - HARIDWAR)		<b>HW 10673</b> पृष्ठ का Page 1 of 3									
		<b>HEAT RESISTANT STEEL BARS GRADE 21CrMoV 5-7</b> <b>(Heat Treated Round Bars ≤ dia. 250 mm or Side Length)</b>											
<b>1.0 GENERAL :</b> This specification governs the quality of alloy steel Bars of grade 21CrMoV5-7, Material no. 1.7709 as per EN10269.													
<b>2.0 APPLICATION :</b> The Bars shall be used for turbine, generator and other components.													
<b>3.0 CONDITION OF DELIVERY:</b> The bars can either be rolled or forged provided that required mechanical properties are fulfilled. Bars shall be delivered in the quench and tempered condition according to EN 10269 table B.1.													
<b>4.0 MANUFACTURE :</b> The bars shall be manufactured in accordance with EN10269.													
<b>5.0 DIMENSIONS AND TOLERANCES</b> Bars shall be supplied to the dimensions specified in BHEL order.													
<b>5.1 Length:</b> Unless otherwise specified, hot rolled bars shall be supplied in length of 3 to 6 meters or in multiples with maximum of 10% shorts down to 1 meter. Forged bars shall be supplied in length of 1.5 meter to 3 meters.													
<b>5.2 Tolerance:</b>													
<b>5.2.1 Hot Rolled Bars:</b> The bars shall not vary from specified diameter or distance across flats by more than ± 2.5 %.													
<b>5.2.2 Forged Bars:</b> The tolerance on the forged bars shall be as follows:													
<table border="1"> <thead> <tr> <th>Dia, mm</th> <th>Tolerance, mm</th> </tr> </thead> <tbody> <tr> <td>&gt; 50 to 125</td> <td>+ 6.0</td> </tr> <tr> <td>&gt; 125 to 175</td> <td>+ 8.0</td> </tr> <tr> <td>&gt; 175</td> <td>+ 12.5</td> </tr> </tbody> </table>						Dia, mm	Tolerance, mm	> 50 to 125	+ 6.0	> 125 to 175	+ 8.0	> 175	+ 12.5
Dia, mm	Tolerance, mm												
> 50 to 125	+ 6.0												
> 125 to 175	+ 8.0												
> 175	+ 12.5												
Insignificant surface defect in the form of dent and ripple marks are permissible provided that their depth does not exceed half the tolerance of each side.													
<b>6.0 HEAT TREATMENT:</b> Bars should be heat treated as per EN10269. If bars need to be straightened after heat treatment, stress relieving is mandatory after completion of the entire straightening process. Stress relieving should be carried out at 20-50°C below the tempering treatment temperature with a subsequent slow cooling rate.													
Quench hardening - 900 - 950°C /air, oil or polymer* Tempering - 680 - 720°C at least 2 hour *In case of polymer the cooling rate shall be comparable to cooling in oil													
TSX B. CHOUHARY 		नाम NAME		हस्ताक्षर एवं दिनोंक SIGNATURE & DATE									
PSC V. K. CHAUHAN 		अनुवादक TRANSLATED BY											
QAX S. AGARWAL 		निर्माणकर्ता WORKED BY		DEVDUTT SINGH 									
STE D. K. RAY 		जांचकर्ता CHECKED BY		ASHISH RANJAN 									
सहमत विभाग AGREED DEPT.		नाम NAME		पर्यवेक्षणकर्ता SUPERVISED BY									
16.03-2013		दिनोंक एवं हस्ताक्षर DATE & SIGNATURE		GOPAL KRISHNAN 									
स्वीकृति : संस्थान मानक समिति APPROVED : PLANT STANDARDS COMMITTEE				Gr No 2.60									
REV 02 16.03-2013		Supersedes		निर्माण PREPARED : MTE									
		जारी : मानक विभाग ISSUED : STANDARDS DIVISION		दिनोंक DATE :23.07.1990									

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स्वायत्तकार एवं गोपनीय :  
 इन दस्तावेजों में दी गई सूचना भारत भारी भारी बिजली के उपकरणों के निर्माण के लिए अत्यंत महत्वपूर्ण है। इस सूचना का उपयोग बिना अनुमति के नहीं किया जानना चाहिए।

हरिद्वार एवं दिनांक SIGN & DATE		संस्थान क्रय विनिर्देश ( हीप - हरिद्वार ) <b>PLANT PURCHASE SPECIFICATION</b> (HEEP - HARIDWAR)	<b>HW 10673</b>																																			
SUPERSEDES INVENTORY NO  पुरानी सूची संख्या की अधिकारिक प्रतिलिपि	<b>7.0 CHEMICAL COMPOSITION:</b> Heat analysis according to EN10269 in weight % except phosphorus and sulphur. <table border="1" data-bbox="479 378 1360 541"> <tr> <td>C</td> <td>Si</td> <td>Mn</td> <td>P</td> <td>S</td> <td>Mo</td> </tr> <tr> <td>0.17 – 0.25</td> <td>≤ 0.40</td> <td>0.40 – 0.80</td> <td>≤ 0.020</td> <td>≤ 0.020</td> <td>0.55 – 0.80</td> </tr> <tr> <td>V</td> <td>Cr</td> <td>Ni*</td> <td>Al<sub>total</sub></td> <td></td> <td></td> </tr> <tr> <td>0.20 – 0.35</td> <td>1.20 – 1.50</td> <td>≤ 0.60</td> <td>≤ 0.030</td> <td></td> <td></td> </tr> </table> <p>* For dimensions 160-250 mm , the content of Ni must be at least 0.35 %</p>		C	Si	Mn	P	S	Mo	0.17 – 0.25	≤ 0.40	0.40 – 0.80	≤ 0.020	≤ 0.020	0.55 – 0.80	V	Cr	Ni*	Al <sub>total</sub>			0.20 – 0.35	1.20 – 1.50	≤ 0.60	≤ 0.030			पृष्ठ का Page 2 of 3											
C	Si	Mn	P	S	Mo																																	
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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.	<b>8.0 MECHANICAL PROPERTIES:</b> A hardness test shall be performed to verify the uniformity of the strength within a delivery lot (per melt and heat treatment batch). The test scope shall be 10% of the bars with a minimum of 10 bars. When the lot consists of less than 10 bars all bars shall be tested. The mechanical properties shall be determined for both hardest and softest bar. The specimens are to be taken in a longitudinal direction (L) in accordance with EN 10083-1. For bars with diameter (d) or side lengths (a, b) > 100 mm, the specimens shall be taken at a distance d/3 or a/3 and b/3 from the respective surfaces. Transverse specimens (T) are also allowed. The following properties shall be achieved at room temperature: <table border="1" data-bbox="454 882 1404 1186"> <thead> <tr> <th rowspan="2">Diameter (d) / Side length (a)<sup>1</sup> (mm)</th> <th rowspan="2">0.2 % Yield Strength N/mm<sup>2</sup></th> <th rowspan="2">Tensile Strength N/mm<sup>2</sup></th> <th colspan="2">Elongation After Fracture A (%)</th> <th colspan="2">Reduction in area %</th> <th colspan="2">Impact Energy (J)<sup>2</sup></th> <th rowspan="2">Hardness HB30</th> </tr> <tr> <th>L</th> <th>T</th> <th>L</th> <th>T</th> <th>L</th> <th>T</th> </tr> </thead> <tbody> <tr> <td>d, a ≤ 160</td> <td>≥ 550</td> <td>700-850</td> <td>≥ 16</td> <td>≥ 16</td> <td>≥ 60</td> <td>≥ 60</td> <td>≥ 63</td> <td>≥ 63</td> <td>215-260</td> </tr> <tr> <td>160 &lt; d, a ≤ 250</td> <td>≥ 550</td> <td>700-850</td> <td>≥ 16</td> <td>≥ 13</td> <td>≥ 60</td> <td>≥ 35</td> <td>≥ 63</td> <td>≥ 40</td> <td>215-260</td> </tr> </tbody> </table> <p><sup>1)</sup> The value of smallest side length (a) shall be obtained.  <sup>2)</sup> Average of 3 Charpy V-notch specimens. Each tested specimen shall reach at least 70% of this average value. An Impact energy test shall be performed on bars having side length ≥ 12 mm or diameter ≥ 16 mm respectively.</p>	Diameter (d) / Side length (a) <sup>1</sup> (mm)	0.2 % Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation After Fracture A (%)		Reduction in area %		Impact Energy (J) <sup>2</sup>		Hardness HB30	L	T	L	T	L	T	d, a ≤ 160	≥ 550	700-850	≥ 16	≥ 16	≥ 60	≥ 60	≥ 63	≥ 63	215-260	160 < d, a ≤ 250	≥ 550	700-850	≥ 16	≥ 13	≥ 60	≥ 35	≥ 63	≥ 40	215-260	
	Diameter (d) / Side length (a) <sup>1</sup> (mm)				0.2 % Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation After Fracture A (%)		Reduction in area %			Impact Energy (J) <sup>2</sup>		Hardness HB30																								
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स्वीकृतिकार एवं गोपनीय ; इस दस्तावेज में दी गई सूचना भारत भारती इंजीनियरिंग लिमिटेड की संपत्ति है जिसका उपयोग एवं प्रसारण के बिना अनुमति के बिना नहीं किया जा सकता है।	<b>9.0 OUTER AND INNER QUALITY / NDE:</b> <b>9.1 General:</b> Cracks, other material separations or more severe linear inclusions lines are acceptable only when the defects are located in the dimensional tolerances areas. <b>9.2 Scope of Inspection:</b> Following NDE shall be performed in delivery condition: <ul style="list-style-type: none"> <li>• Material identity check for all bars</li> <li>• Complete ultrasonic inspection (UT) of all bars ≥ 30 mm thickness/diameter in accordance with EN 10308 type 1a – 1c (Table 1).</li> </ul>																																					
हरिद्वार एवं दिनांक SIGN & DATE 4/11/13																																						
पुरानी सूची संख्या INVENTORY NO P-3164	REV 02	<table border="1"> <tr> <td>निर्माणकर्ता WORKED BY</td> <td>Devdutt Singh</td> <td></td> <td>16.03.13</td> </tr> <tr> <td>जांचकर्ता CHECKED BY</td> <td>Ashish Ranjan</td> <td></td> <td>16.03.13</td> </tr> </table>	निर्माणकर्ता WORKED BY	Devdutt Singh		16.03.13	जांचकर्ता CHECKED BY	Ashish Ranjan		16.03.13																												
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हस्ताक्षर एवं दिनांक SIGN & DATE		संस्थान क्रय विनिर्देश ( हीप - हरिद्वार ) <b>PLANT PURCHASE SPECIFICATION</b> (HEEP - HARIDWAR)	<b>HW 10673</b> पृष्ठ का Page 3 of 3	
सामग्री सूची संख्या को INVENTORY NO	<b>9.3 Recording level and acceptance criteria:</b>  Regarding UT inspection following quality classes in accordance with EN 10308 (Table 2) must be applied corresponding to the diameters or side length a, b: <ul style="list-style-type: none"> <li>d or (a ,b) ≤ 200 mm : quality class 4</li> <li>d or (a ,b) &gt; 200 mm : quality class 3</li> </ul> The decision limit for backwall eco loss is 3 dB for all bar dimensions. No linear or planer indication larger than 10 mm in any direction is acceptable. This quality requirement applies also for bars with diameter d or side length (a, b) < 30 mm. This does not need to be proved by testing.			
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.	<b>10.0 MARKING:</b> The marking of the material shall be such that Purchase Order Number, Size, Heat No., BHEL Specification number, material designation, Manufacturer identification are legible.			
स्वतंत्रताधिकार एवं गोपनीयता : एन एचईएल की संपत्ति है। इस दस्तावेज़ का उपयोग केवल एचईएल के लिए किया जाना चाहिए। अन्य किसी भी उद्देश्य के लिए इस दस्तावेज़ का उपयोग नहीं किया जाना चाहिए।	<b>11.0 DOCUMENTATION:</b> The supplier shall supply four copies of test certificates as per EN 10204, inspection certificate 3.1, unless otherwise stated in the order. The test certificates shall bear the following: <p><b>BHEL References:</b></p> <ul style="list-style-type: none"> <li>- Specification no., Purchase orders no., material designation</li> </ul> <p><b>Suppliers references:</b></p> <ul style="list-style-type: none"> <li>- Name, emblem, Melt no, Heat-treatment batch no.</li> </ul> <p><b>Results of Testing:</b></p> <ul style="list-style-type: none"> <li>- Melting process, melt analysis,</li> <li>- Mechanical properties, all individual values shall be reported,</li> <li>- Dimensional results</li> <li>- Complete information on all heat treatments performed,</li> <li>- U.T result</li> <li>- Confirmation of the material identity check.</li> </ul>			
हस्ताक्षर एवं दिनांक SIGN & DATE	<b>12.0 CLEARANCE FOR DELIVERY:</b> The total results of the tests carried out are the deciding factor for clearance for delivery. In case of any deviation from the ordering specification, vendor to inform BHEL with all test results. BHEL shall evaluate the total results taking into consideration the intended use of the material and examines accordingly the permissibility of deviation (if any) from the specified properties. Deviation shall be considered accepted only on written approval from BHEL. The clearance however does not relieve the supplier of his responsibility for the hidden non-permissible defects, which are found later.			
सामग्री सूची संख्या INVENTORY NO	REV 02	निर्माणकर्ता WORKED BY	Devdutt Singh	 16.03.13
P-3144		जांचकर्ता CHECKED BY	Ashish Ranjan	 16.03.13

**ANNEXURE-VI**

**(Supplier Registration Form Indigenous Vendor)**

	<b>Annexure-VI</b> <b>GUIDELINES TO INDIAN SUPPLIERS</b> <b>FOR FILLING-UP</b> <b>SUPPLIER REGISTRATION FORM</b>	Document No.	AA:MM:SR:01
		Revision No.	01
		Page No.	I of II

- Prospective Suppliers may also visit our web site [www.bhel.com](http://www.bhel.com) (link Supplier Registration -> New Supplier Required) to know more about the requirement of new suppliers for various items in our units.
- Registration Form may be obtained from BHEL website [www.bhel.com](http://www.bhel.com).
- Application for registration, with a covering letter detailing where your products can find application (if possible) in BHEL unit(s), should be sent to:

Supplier Development Cell  
Unit Name:  
Bharat Heavy Electricals Ltd.  
City:  
India


- In case registration is being sought in multiple units of BHEL, please send the separate application to each unit.
- Any clarification with respect to procedure for registration may be obtained from the Supplier Development Cell of respective BHEL unit.
- The Supplier Registration Form has four parts:

Part A	Organisational Information	Form no. SRF(I)01 – page 1 to 10
Part B	Quality System	Form no. SRF(I)01 - page 11 to 12
Part C	Technical Competence	Form no. SRF(I)01 page 13 (if sent by BHEL)
Part D	Score Sheet (to be filled by BHEL)	Form no. SRF(I)01 page 14 to 17

The set of formats to be filled by different category of suppliers is as follows:

Sl.No	Supplier Category	Formats
1.	Indian Suppliers ( manufacturers )	- Organisational Information - Quality System - Technical Competence
2.	Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal	- Organisational Information SRF(I)01- Part A (page 1 to 10 except Sl. No. 5.1, 5.2, 6.6, 6.7, 7 & 8)

- All columns are to be filled up properly in the space provided for. Wherever it is not applicable, please mention “Not Applicable”. The form is to be signed by the authorised signatory.
- A separate sheet may be attached if the space provided is insufficient or additional information is to be given. Please put proper identification tag on the separately attached sheet.
- Please ensure that all required enclosures are attached with the filled up Supplier Registration Form and all enclosures are numbered & list of enclosures is given as required.
- As multiple copies of the application forms are required for processing at our end, please do not spiral bound the application forms or its enclosures and instead send them in two hole clip flat file.
- Incomplete forms will be rejected.
- Any information / clarification required by BHEL during evaluation must be given expeditiously.
- Please note that if you are registered and participate in Tender process and qualify to get order from BHEL, your performance based on Quality of your product, delivery performance and service rendered will be evaluated inline with Chapter VI.
- Please fill up the check- list given on next page and send along with the Supplier Registration Forms to BHEL.
- If you are attaching a document in a language other than Hindi/ English, a self attested Hindi/ English translated document may please be also attached.

	<b>Annexure-VI</b> <b>Check List for Indian Supplier</b> <b>Registration Form</b>	Document No.	AA:MM:SR:01
		Revision No.	01
		Page No.	II of II

Sl.No.	Check-Point	Yes/No
1.	Information against all points under “Organizational Information” (Part-A) has been given.	
2.	All enclosures and supporting documents have been enclosed.	
3.	Summary list of enclosures has been furnished as per S.N.10 of Organisational Information form no. SRF (I) 01 & S.N 12 of Quality system form no. SRF (I) 01.	
4.	Are you an ISO 9001 accredited supplier?	
5.	If yes, have you enclosed "Table of Contents" of your Quality Manual and copy of ISO 9001 accreditation certificate?	
6.	Have you filled up Quality System format given in Part B?	
7.	Technical requirements, specifications, drawings, standards have been received from BHEL before filling up Technical Competence, Part C.	
8.	All the parts of the form & enclosures have been signed by Authorised Signatory.	
9.	Have you attached EFT details? (In original, Certified by the bank)	
10.	If you are seeking registration for a MSME company (as per MSME Act of Government of India), have you attached requisite certificate as per Act?	

Date :

Signature & seal

(Authorised Signatory)

Note: This check list is to be attached with the filled up Supplier Registration Form.

**BHARAT HEAVY ELECTRICALS LIMITED  
SUPPLIER REGISTRATION FORM**

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-VI

Page 1 of 17

INFORMATION WITH \* MARKS IS SCOREABLE.

**PART- A : ORGANISATIONAL SOUNDNESS**

ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR, WHEREVER IT IS NOT APPLICABLE, PLEASE WRITE "NOT APPLICABLE". INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED. PLEASE ATTACH SEPARATE SHEET, IF SPACE AVAILABLE IS INADEQUATE.

ALL THE PAGES OF THE FORM ARE TO BE SIGNED ALONGWITH SEAL BY THE AUTHORISED SIGNATORY

<b>ORGANISATIONAL INFORMATION</b>			
<b>NAME AND CORRESPONDENCE ADDRESS OF THE SUPPLIER SEEKING REGISTRATION :-</b>			
<b>1.0 PRODUCTS / SYSTEMS / SERVICES FOR WHICH REGISTRATION IS APPLIED FOR :</b>			
SL. NO.	DESCRIPTION	SIZE & RANGE	MFG. STD/ IS / DIN /BS ETC.
<b>SUPPLIER'S AUTHORISED SIGNATORY</b>		<b>BHEL CERTIFIED ASSESSOR</b>	

**BHARAT HEAVY ELECTRICALS LIMITED  
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**ORGANISATIONAL INFORMATION**

**2.0 GENERAL INFORMATION :**

2.1 NAMES OF THE WORKS/DIVISION (Products manufactured at each works to be mentioned :

ADDRESS :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

2.2 NAME OF CHIEF EXECUTIVE /  
PROPRIETOR / PARTNER & ADDRESS :

2.3 DETAILS OF AUTHORISED SIGNATORY FOR SEEKING CLARIFICATION :

NAME :

DESIGNATION :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

SUPPLIER'S AUTHORISED SIGNATORY

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**ORGANISATIONAL INFORMATION**

**3.0 OWNERSHIP INFORMATION :** DOCUMENTS TO BE FURNISHED

3.1 GOVT. OF INDIA UNDERTAKING:

OR

STATE GOVT. UNDERTAKING :

OR

LIMITED COMPANY, :

MEMORANDUM AND  
ARTICLES OF ASSOCIATION

OR

PRIVATE COMPANY :

MEMORANDUM AND  
ARTICLES OF ASSOCIATION

OR

CO-OPERATIVE SOCIETY, :

SOCIETY RULES AND  
BYE LAWS

OR

PARTNERSHIP FIRM, :

PARTNERSHIP DEED

OR

PROPRIETORSHIP, :

PROFESSION TAX REGN.  
AND MUNICIPAL REGN.

ANY OTHER (SPECIFY) :

3.2 NATURE OF BUSINESS :  
(MANUFACTURING UNIT/  
ENGG CONSULTANT/ EPC CONTRACTOR)

(AGENTS/ DISTRIBUTORS/STOCKISTS/DEALERS/  
TRADERS/ INDIAN SUBSIDIARY/ CHANNEL PARTNER – attach authorization  
certificate of principal)

3.3 YEAR OF ESTABLISHMENT :

\* 3.4 YEAR OF COMMENCEMENT OF BUSINESS :

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**ORGANISATIONAL INFORMATION**

**4.0 REGISTRATION PARTICULARS**

( FURNISH DETAILS AND ENCLOSE COPY OF CERTIFICATE FOR THE FOLLOWING)

- 4.1 PERMANENT ACCOUNT NO :  
4.2 CENTRAL SALES TAX REGN NUMBER :  
4.3 STATE SALES TAX / TIN NUMBER :  
4.4 EXCISE DUTY REGN NUMBER :  
4.5 EXCISE CONTROL CODE NUMBER :  
4.6 SERVICE TAX REGN NUMBER :  
4.7 CATEGORY AS PER MSMED ACT : MICRO/ SMALL/ MEDIUM  
REGN NO. :  
VALID UPTO :  
(Attach Certificate)

**5.0 TOTAL ORGANISATIONAL STRENGTH : (ATTACH ORGANISATION CHART)**

- |  | GRADUATE | DIPLOMA | SKILLED | NON-SKILLED |
|--|----------|---------|---------|-------------|
| ENGINEERING :                                      |          |         |         |             |
| MANUFACTURING :                                    |          |         |         |             |
| QUALITY :  |          |         |         |             |
| COMMERCIAL /<br>SERVICE AFTER SALES :              |          |         |         |             |
| OTHERS :   |          |         |         |             |
| TOTAL :  |          |         |         |             |
| * 5.1 POWER BACKUP :<br>(GIVE DETAILS)             | YES/ NO  |         |         |             |
| * 5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY : | YES/ NO  |         |         |             |

SUPPLIER'S AUTHORISED SIGNATORY

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**ORGANISATIONAL INFORMATION**

**6.0 OTHER PARTICULARS :**

( FURNISH DETAILS AND ENCLOSE DOCUMENTARY EVIDENCE/ COPY OF CERTIFICATE FOR THE FOLLOWING)

\* 6.1 IF THE COMPANY IS ALREADY REGISTERED WITH ANY OF BHEL UNITS, GIVE :

6.1.1. BHEL UNIT'S NAME :

6.1.2. SUPPLIER REGN. CODE NO. :

6.1.3. ITEMS FOR WHICH REGISTERED & THEIR SPECIFICATION  
( ENCLOSE PROOF OF SUCCESSFUL EXECUTION OF  
ONE OR MORE PURCHASE ORDERS ) :

\* 6.2 IS THE COMPANY APPROVED BY  
ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS /  
IBR / LLOYDS ETC FOR INTENDED  
MATERIAL CATEGORY? : YES / NO  
(ENCLOSE DOCUMENTARY EVIDENCE)

\* 6.3 IS THE COMPANY ISO 9001 APPROVED? : YES / NO  
(ENCLOSE CERTIFICATE & TOC OF QUALITY SYSTEM) :

\* 6.4 IS THE COMPANY AN ISO 14000 APPROVED? : YES / NO  
(ENCLOSE CERTIFICATE) :

\* 6.5 IS THE COMPANY OHSAS - 18000 APPROVED?: YES / NO  
(ENCLOSE CERTIFICATE)

\* 6.6 TECHNICAL COLLABORATOR :  
(FOREIGN OR INDIGENOUS)  
(ENCLOSE DOCUMENTARY EVIDENCE)

\* 6.7 R&D SET UP

6.8 DIRECTORS / PARTNERS, IF RELATED TO ANY  
BHEL EMPLOYEE.  
NAME :  
STAFE NO. :  
DESIGNATION :  
Unit & DEPARTMENT :  
RELATIONSHIP :

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**ORGANISATIONAL INFORMATION**

6.9 IF ANY EX-BHEL PERSONNEL IS EMPLOYED BY THE COMPANY, MENTION HIS / HER DETAILS OF LAST POSTING.

NAME :  
STAFF NO. :  
DESIGNATION :  
UNIT & DEPARTMENT :  
DATE OF LEAVING SERVICE :

6.10 COMPANY'S WEEKLY HOLIDAYS :

WORKS                      OFFICE

6.11 EXPERIENCE LIST:

(ATTACH LIST OF PRESENT CUSTOMERS WITH NAME & ADDRESS FOR OFFERED / SIMILAR TYPE & SIZE OF ITEM / EQUIPMENT FOR WHICH REGISTRATION HAS BEEN SOUGHT AND WITH WHOM YOU HAVE CONTINUOUS BUSINESS SINCE LAST THREE YEARS . ALSO ATTACH PERFORMANCE CERTIFICATES ISSUED BY ANY TWO CLIENTS FOR SUCCESSFUL EXECUTION OF THE CONTRACTS FOR LAST TWO YEARS- FOR PEM)

\*6.12 DETAILS OF PENDING LEGAL ISSUES ON CONTRACTUAL ASPECTS WITH CUSTOMER , IF ANY

6.13 The following information of Bank Account of the Company, duly endorsed by the Bank (required for Electronic Fund Transfer –EFT/RTGS) is to be submitted

1. Name of the Company
2. Name of Bank
3. Name of Bank Branch
4. City/Place
5. Account Number
6. Account type
7. IFSC code of the Bank Branch
8. MICR Code of the Bank Branch
9. Details of other Bankers (for reference purpose only)

NOTE :

Suppliers who have already submitted the above information are requested to submit a copy of the same.

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<b>ORGANISATIONAL INFORMATION</b>
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**7.0 MANUFACTURING FACILITIES:**

**\*7.1 LIST OF MANUFACTURING FACILITIES/EQUIPMENTS (INCLUDING MATERIAL HANDLING FACILITY)**

SL. NO	DESCRIPTION OF MACHINE/EQUIPMENT	QUANTITY	MAKE & YEAR OF INSTALLATION	REMARKS

IN CASE OF SPACE LIMITATION, PLEASE ENCLOSE ANNEXURE / CATALOGUE WITH TAG

**\* 7.2 IF IN-HOUSE MFG FACILITIES NOT AVAILABLE, INFORM SOURCE OF MFG. DETAILS ALONGWITH THEIR FACILITIES & EXPERIENCE**

SL. NO	PROCESS OUTSOURCED	NAME OF THE COMPANY	DESCRIPTION OF MACHINE / EQUIPMENT	REMARKS

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

**\* 7.3 RATIO OF OUTSOURCED COST TO TOTAL PRODUCTION VALUE:**

SUPPLIER'S AUTHORISED SIGNATORY	BHEL CERTIFIED ASSESSOR
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**8.0 INSPECTION & TESTING FACILITIES:**

**\* 8.1 LIST OF INSPECTION & TESTING FACILITIES / EQUIPMENT**

SL. NO	DESCRIPTION OF FACILITY/ EQUIPMENT & CAPACITY	NOS.	MAKE & YEAR OF MANUFACTURING	LAST DATE OF CALIBERATION

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

**\* 8.2 IF IN-HOUSE TESTING FACILITIES NOT AVAILABLE, INDICATE SOURCE OF TESTING ALONGWITH THEIR FACILITIES & EXPERIENCE**

SL. NO	TEST	SOURCE OF TESTING	DESCRIPTION OF FACILITY/ EQUIPMENT & CAPACITY	APPROVAL OF EQUIPMENT/ PROCESS/PERSONNEL QUALIFICATION

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

**Note:**

**In case of outsourcing of major testing such as NDT, Electrical & Mechanical Testing, no marks will be awarded. However, material composition testing by chemical method from recognized laboratory shall not attract negative marking**

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ORGANISATIONAL INFORMATION					
FINANCIAL INFORMATION FOR THE PREVIOUS FOUR YEARS					
9.0	Parameter	Year 1	Year 2	Year 3	Year 4
		(Years in ascending order, Money value in Rs. Lakhs )			
* 9.1	NET WORTH (Share Capital +Reserves)				
	Growth over previous year (%)	-----			
9.2	LONG TERM DEBT / LOAN				
* 9.3	DEBT EQUITY RATIO <u>Long term Debt (9.2)</u> <u>Net worth (9.1)</u>				
9.4	INVESTMENT IN: Land & Building				
	Plant & Machinery				
	Other Fixed Assets				
9.5*	NET CURRENT ASSETS				
	1 a) Cash on hand				
	b) Account receivable				
	c) Inventories				
	Total				
	CURRENT LIABILITY				
	2 a) Sundry creditors				
	b) Interest accrued but not due				
c) Other liabilities					
Total					
3	* QUICK RATIO <u>CA - INVENT. {9.5(1)-9.5(1)c}</u> Current liability {9.5 (2)}				
* 9.6	SALES				
	Growth over previous year (%)	-----			
* 9.7	PROFIT BEFORE TAX				
	Growth over previous year (%)	-----			
* 9.8	Whether the supplier has been referred to BIFR / NCLT / any other Govt agency ( If YES , enclose details)				YES / NO
* 9.9	Whether the supplier is a potential sick company.( If YES , enclose details)				YES / NO
<p>NOTE: 1. Copies of annual accounts (Balance Sheet) for the last four years (or from date of incorporation which ever is less) along with audit report are to be submitted. The above details shall be highlighted in the Balance Sheet.</p> <p>2. Status of Tax assessments done under various laws (Income Tax, VAT/Sales Tax, Excise &amp; Service Tax, Custom) and details of disputes pending, if any, with these authorities to be submitted.</p>					
SUPPLIER'S AUTHORISED SIGNATORY			BHEL CERTIFIED ASSESSOR		

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**ORGANISATIONAL INFORMATION**

**10. LIST OF ENCLOSURES** (Tags to be put on enclosures) :

- (i) MEMORANDUM AND ARTICLES OF ASSOCIATION / SOCIETY RULES AND BYE LAWS / PARTNERSHIP DEED/ PROFESSION TAX REGN & MUNICIPAL REGN. : YES / NO
- (ii) Copy of certificate of following:-
- PERMANENT ACCOUNT NO : YES / NO
  - CENTRAL SALES TAX REGN NUMBER : YES / NO
  - STATE SALES TAX / TIN NUMBER : YES / NO
  - EXCISE DUTY REGN NUMBER : YES / NO
  - EXCISE CONTROL CODE NUMBER : YES / NO
  - SERVICE TAX REGN NUMBER : YES / NO
  - REGN NUMBER OF CATEGORY AS PER MSMED ACT : YES / NO
- (iii) ORGANISATION CHART : YES / NO
- (iv) If registered with any other BHEL Unit,
- LETTER OF REGISTRATION WITH BHEL UNIT : YES / NO
  - PROOF OF SUCCESSFUL EXECUTION OF ONE OR MORE PURCHASE ORDERS : YES / NO
- (v) Letter of approval from ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS / IBR / LLOYDS ETC : YES / NO
- (vi) Accreditation certificate for
- ISO: 9001 : YES / NO
  - TOC of Quality System Manual : YES / NO
  - ISO : 14000 : YES / NO
  - OHSAS , ISO 18000 : YES / NO
- (vii) Letter regarding technical collaboration : YES / NO
- (viii) Experience List / Performance certificate : YES / NO
- (ix) Balance Sheet for the last four years along with audit Report : YES / NO
- (x) Principal's authorization in case of dealers/ agents : YES / NO
- (xi) EFT Bank's certificate : YES / NO

I /WE GIVE THE UNDERTAKING THAT BHEL DRAWINGS & SPECIFICATIONs SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL AND/ OR FOR SUPPLY OF ANY MATERIAL, PRODUCT OR SERVICES DIRECTLY OR INDIRECTLY TO ANY OTHER CUSTOMER.

Maximum Marks = 50

Negative Marks = -13

Minimum Qualifying marks = 30

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**Part B (QUALITY SYSTEM):**

Sl. No	PARAMETERS	SYSTEM IN EFFECT (Tick if exists & provide evidences if ticked in written procedure)		RECORDS (Tick if available & submit evidences)	REMARKS
		Written Procedure	Practice		
1*	Incoming Material Control System				Furnish a copy of system and organization.
2*	In process control				Furnish at least one work instruction & record of process control parameter
3*	Manufacturing / Testing Procedure Qualification				Procedure Qualification specification may be submitted
4*	Personnel qualification for 3 above.				Record of Personnel qualification (PQR) to be submitted
5*	Calibration system				Submit list of instrument & their calibration status
6*	System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.				Copy of procedure to be submitted
7*	System of Storage, Preservation, Painting & packing				Copy of procedure to be submitted
8*	System of NCR disposition & corrective preventive action				Two copies of NCR & CAPA
9*	Customer complaints handling system				Submit list of customer complaints & status for the last three years
10*	Safety measures				Submit copy of safety system & Record of accidents for last three years
11	Any other quality initiative				

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**Part B (QUALITY SYSTEM):**

**12. LIST OF ENCLOSURES**

- (i) Copy of system of control incoming materials and organization chart
- (ii) Copy of at least one process control work instruction
- (iii) Record of process control parameter
- (iv) Copy of at least one Procedure Qualification specification
- (v) Record of Personnel qualification (PQR)
- (vi) List of instrument & their calibration status
- (vii) Copy of procedure for Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.
- (viii) Copy of procedure for Storage/ preservation/ painting & packing
- (ix) Copies of two NCRs and their CAPA.
- (x) List of customer complaints & status for the last three years
- (xi) Copy of safety system
- (xii) Record of accidents for last three years

Maximum Marks = 25

Minimum Qualifying marks = 15

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## FORM NO. SRF(I)01

### Part C: TECHNICAL COMPETENCE

Technical competence shall be evaluated in two parts viz. common competence and product/material category specific competence.

#### (i) COMMON TECHNICAL COMPETENCE

TECHNICAL COMPETENCE ( where design specification is given by BHEL )	MARKING RANGE	Marking range, if product specific technical competency not required	SUPPLIER RESPONSE (ALONG WITH SUPPORTING DOCUMENTS)#	MARKS BY BHEL
1. Supplier understands the product specification.	(0-3)	(0-8)		
2. Supplier understands the inspection requirements.	(0-2)	(0-5)		
3. Supplier has process capability to achieve the product specification/dimensional requirement.	(0-3)	(0-8)		
4. Supplier has experienced manpower to carry out the job.	(0-2)	(0-4)		
<b>TOTAL MARKS OUT OF POSSIBLE</b>	<b>10</b>	<b>25</b>		

**OR**

TECHNICAL COMPETENCE (where performance specification is given by BHEL)	MARKING RANGE	Marking range, if product specific technical competency not required	PROCEDURE		SYSTEM IN EFFECT		RECORDS	
			SUPPLIER RESPONSE (ALONG WITH SUPPORTING	MARKS BY BHEL	SUPPLIER RESPONSE (ALONG WITH SUPPORTING	MARKS BY BHEL	SUPPLIER RESPONSE (ALONG WITH SUPPORTING	MARKS BY BHEL
1. Design capability	(0-3)	(0-8)						
2. Adequacy of quality assurance plan	(0-2)	(0-5)						
3. Process capability for components	(0-3)	(0-8)						
4. Adequate of testing	(0-2)	(0-4)						
<b>TOTAL MARKS OUT OF POSSIBLE Average of Total (Total/3) = -----</b>	<b>10</b>	<b>25</b>						

#### (ii) PRODUCT/ MATERIAL CATEGORY SPECIFIC TECHNICAL COMPETENCE

**(Max Marks: 15)**

Unit MISCC to structure the parameters to be considered for the technical competence depending on material category. The score of individual parameter selected is to be decided by MISCC. MISCC shall identify the requirement of enclosures to be furnished by supplier.

Product:

Sl. No	Material category	Tech Parameter	Supplier's response	Remarks

To be filled up only on receipt of technical requirements/ specification, drawings, standards from BHEL and to be sent to BHEL for further scrutiny. Enclose documentary evidence where ever required.

#### **LIST OF ENCLOSURES:**

Maximum Marks = 25

Minimum Qualifying marks = 15

# No marks is to be given by the supplier. Only supplier response along with supporting documents.

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## Part D : SCORE SHEET

### 1. ORGANISATIONAL SOUNDNESS (for Manufacturers):

S.N.	PARAMETER	CRITERIA	Maxm. Marks	Marks Awarded
1.	Whether all <b>relevant information</b> like ownership, PAN no., sales tax no., excise duty no., etc. submitted	Yes: 2 No: 0	2	
2.	3.4 YEAR OF COMMENCEMENT OF BUSINESS	More than 5 years : 2 1-5 years : 1 Less than 1 year : 0	2	
3.	5.1 POWER BACKUP	Yes : 1 No : 0	1	
4.	5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY	Yes : 1 No : 0	1	
5.	6.1 REGISTERED WITH ANY OF BHEL UNITS	Yes (same item) : 2 Yes (another item) : 1 No : 0	2	
6.	6.2 APPROVAL BY ASME/ NTPC/ NPC/ EIL/ DGS&D/ RAILWAYS/ IBR/ LLOYDS ETC	Yes : 2 No : 0	2	
7.	6.3 ISO 9001 ACCREDITATION	Yes : 3 No : 0	3	
8.	6.4 ISO 14000 ACCREDITATION	Yes : 1 No : 0	1	
9.	6.5 OHSAS - 18000 ACCREDITATION	Yes : 1 No : 0	1	
10.	6.6 TECHNICAL COLLABORATOR : (FOREIGN OR INDIGENOUS)	Yes : 1 No : 0	1	
11.	6.7 R & D SET UP	Yes : 1 No : 0	1	
12.	6.12 PENDING LEGAL ISSUES ON TECHNO – COMMERCIAL ASPECTS WITH CUSTOMER	Yes : -5 No : 0	0	
13.	7.1 & 7.2 MANUFACTURING FACILITIES INCLUDING OUTSOURCING	Adequate : 3 Substantial : 2 Inadequate : 0	3	
14.	7.3 RATIO OF OUTSOURCED COST TO TOTAL PRODUCTION VALUE	Less than 10% : 2 10 to 30 % : 1 More than 30% : 0	2	
15.	8.1 INSPECTION & TESTING FACILITIES	Adequate : 2 Substantial : 1 Inadequate : 0	2	
16.	8.2 OUTSOURCING OF MAJOR TESTING FACILITY (Refer Note)	Yes : 0 No : 1	1	
	<b>TOTAL</b>		<b>25</b>	

### 1. ORGANISATIONAL SOUNDNESS (for Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal):

S.N.	PARAMETER	CRITERIA	Maxm. Marks	Marks Awarded
1.	Whether all <b>relevant information</b> like ownership, PAN no., sales tax no., etc. submitted ( <b>clause 6.0 of chapter V to be referred in this regard</b> )	Yes: 7 No: 0	7	
2.	3.4 YEAR OF COMMENCEMENT OF BUSINESS	More than 3 years : 2 1-3 years : 1 Less than 1 year : 0	2	
3.	6.1 REGISTERED WITH ANY OF BHEL UNITS	Yes (same item) : 2 Yes (another item) : 1 No : 0	2	
4.	6.2 APPROVAL BY ASME/ NTPC/ NPC/ EIL/ DGS&D/ RAILWAYS/ IBR/ LLOYDS ETC	Yes : 2 No : 0	2	
5.	6.3 ISO 9001 ACCREDITATION	Yes : 2 No : 0	2	
6.	6.12 PENDING LEGAL ISSUES ON TECHNO – COMMERCIAL ASPECTS WITH CUSTOMER	Yes : -5 No : 0	0	

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## Part D: SCORE SHEET

### 2. FINANCIAL INFORMATION (for Manufacturers):

S.N.	PARAMETER	CRITERIA	Maximum Marks	Marks Awarded
1.	9.1 Growth of Net Worth over previous year (%) Average of three years to be worked out	More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0	5	
2.	9.3 DEBT EQUITY RATIO <u>Long term Debt (9.2)</u> Net worth (9.1)	1 : 1 : 5 1.1 upto 1.5 : 1 : 4 1.6 upto 2.0 : 1 : 3 2.0 & above : 1 : 2	5	
3.	9.5 QUICK RATIO <u>CA - INVENTORIES {9.5(1)-9.5(1)c}</u> Current liability {9.5 (2)}	1 : 1 : 5 1 : 1 upto 1.5 : 4 1 : 1.5 upto 1.75 : 3 1 : 1.75 upto 2.5 : 2 1 : > 2.5 : 0	5	
4.	9.6 Growth in Sales over previous year (%) Average of three years to be worked out	More than 35% : 5 20 -35 % : 4 10 – 20 % : 3 5 – 10 % : 2 > 0 & < 5 % : 1 0 or negative : 0	5	
5.	9.7 PROFIT BEFORE TAX  Growth over previous year (%)	More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0	5	
6.	9.8 Whether the supplier has been referred to BIFR / NCLT/ any other similar Govt agency	Yes: -5 No : 0	0	
7.	9.9 Whether the supplier is a potentially sick company	Yes: -3 No : 0	0	
<b>TOTAL</b>			<b>25</b>	

Note: If the supplier is new in business and does not have past data, then the evaluation will be done on the basis of information provided by him and will be decided by MISCC.

### 2. FINANCIAL INFORMATION (for Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal):

S.N.	PARAMETER	CRITERIA	Maximum Marks	Marks Awarded
1.	9.6 Growth in Sales over previous year (%) Average of three years to be worked out	More than 35% : 5 20 -35 % : 4 5 - 20 % : 3 >0 - 5 % : 2 0 or negative : 0	5	
2.	9.7 PROFIT BEFORE TAX  Growth over previous year (%)	More than 20 % : 5 5 – 20 % : 4 >0 – 5 % : 3 0 or below : 0	5	

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**Part D : SCORE SHEET**

**3. QUALITY SYSTEM :**

S.N.	PARAMETER	CRITERIA	Maxm. Marks	Marks Awarded
1.	Incoming Material control System	System availability : Yes: 1 No : 0	1	
		Availability of Organisation chart Yes: 1 No : 0	1	
2.	Process control	Work instruction available: Yes: 1 No : 0	1	
		Record of process Control : Available : 2 Partial record : 1 Not available: 0	2	
3.	Manufacturing / Testing Procedure Qualification	Procedure Qualification Specification : Adequate : 3 In adequate: 1 Not available : 0	3	
4.	Personnel qualification	Record of PQR: Adequate : 3 In adequate: 1 Not available : 0	3	
5.	Calibration system	Adequate : 3 In adequate: 1 Not available : 0	3	
6.	System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.	Procedure available : Adequate : 2 In adequate: 1 Not available : 0	2	
7.	System of Storage/ preservation/ painting & packing	Procedure available : Adequate : 2 In adequate: 1 Not available : 0	2	
8.	System of NCR disposition & corrective preventive action	Two copies of NCR & CAPA Available :2 Not available : 0	2	
9.	Customer complaints handling system	System available : Yes: 1 No : 0	1	
		Complaints registered & resolved :2 Complaints registered & partially resolved : 1 Complaints not registered or not resolved : 0	2	
10.	Safety measures	System available : Yes: 1 No : 0	1	
		Record available : Yes: 1 No : 0	1	
<b>TOTAL</b>			<b>25</b>	

BHEL CERTIFIED ASSESSOR

# BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-VI  
Page 17 of 17 amdt.-04

## Part D : SCORE SHEET

### 4. TECHNICAL COMPETENCE

	Maximum Marks (1)	Marks obtained (2)
<b>A. Common Technical Competence</b>		

And/ or

#### B. Product Specific Technical Competence

Column no. 1 to 4 to be filled by MISCC before sending to supplier. Column no. 5 to be filled by BHEL certified Assessor after evaluation of supplier response.

Sl. No (1)	Parameter (2)	Scoring criteria (3)	Maximum Marks (4)	Marks obtained (5)
	<b>Sub-Total</b>		<b>15</b>	

TOTAL (A+B): 25 (     )

#### SUMMARY:

Sl. No	Criteria	Maxm Marks	Qualifying marks *	Marks obtained	Recommendation for registration
1.	Organisational Soundness Financial Information	50	30		<b>Recommended :</b>  Permanent code /Development code/ Trial code <b>Not recommended</b>
2.	Quality System	25	15		
3.	Technical Competence	25	15		
	TOTAL	100	60		

\*Minimum Qualifying Score in Each category shall be 60%.

#### REGISTRATION CRITERIA:

Sl. No	Score	Recommendation
1.	More than 90	Supplier is to be registered and given Permanent code, Normally no visit is called for.
2.	>75 <=90	Supplier may be visited if recommended by MISCC or to be registered and given permanent code.
3.	>=60 <=75	Supplier may carry out suggested improvements if advised by MISCC Supplier's visit is mandatory. Trial/ Development code may be given.
4.	Less than 60	Not to be registered

**Note:** Indian Stockist/ Trader/ Distributor/ Dealer/ Authorised Agent/ Channel partner/ Indian Sales office or Subsidiary of registered foreign principal are to be awarded marks on pro-rata basis and registered accordingly.

Signatures: MISCC and Suppler Evaluation Team (in case of visit)

- |    |    |    |
|----|----|----|
| 1) | 2) | 3) |
| 4) | 5) | 6) |

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**ANNEXURE-VII**

**(Supplier Registration Form Foreign Vendor)**

	Annexure-VII  <b>GUIDELINES TO FOREIGN SUPPLIERS FOR FILLING UP SUPPLIER REGISTRATION FORM</b>	Document No.	AA:MM:SR:01
		Revision No.	01
		Page No.	I of II

1. Prospective Suppliers may also visit our web site [www.bhel.com](http://www.bhel.com) (link Supplier Registration -> New Supplier Required) to know more about the requirement of new suppliers for various items in our units.
2. Registration Form no. SRF(F)01 may be obtained from BHEL website [www.bhel.com](http://www.bhel.com).
3. Application for registration, with a covering letter detailing where your products can find application (if possible) in BHEL unit(s), should be sent to:

Supplier Development Cell  
*Unit Name:*  
Bharat Heavy Electricals Ltd.  
*City:*  
India

4. In case registration is being sought in multiple units of BHEL, please send the separate application to each unit.
5. Any clarification with respect to procedure for registration may be obtained from the Supplier Development Cell of respective BHEL unit.
6. All columns are to be filled up properly in the space provided for. Wherever it is not applicable, mention it as "Not Applicable". The form is to be signed by the authorised signatory and submitted in original.
7. Please attach separate sheet if the space provided is insufficient. For any other information also, separate sheet may be attached.
8. Any information / clarification required by BHEL during processing of registration must be given expeditiously.
9. Please ensure that all required enclosures are attached with the filled up Supplier Registration Form and all enclosures are numbered & list of enclosures is given as required.
10. As multiple copies of the application forms are required for processing at our end, please do not spiral bound the application forms or its enclosures and instead send them in two hole clip flat file.
11. Please fill up the check- list given on next page and send along with the Supplier Registration Forms to BHEL.
12. Please note that if you are registered and participate in Tender process and qualify to get order from BHEL, your performance based on Quality of your product, delivery performance and service rendered will be evaluated inline with Chapter VI.
13. If you are attaching a document in a language other than English, a self attested English translated document may please be also attached.

	Annexure-VII <b>CHECK-LIST FOR FOREIGN          SUPPLIERS REGISTRATION FORM</b>	Document No.	AA:MM:SR:01
		Revision No.	01
		Page No.	II of II

S.N.	Check-Point	Yes/No
1.0	Information against all points in the Supplier Registration Form has been given.	
2.0	Authorisation letter has been enclosed (in case of Indian representative)	
3.0	Banker's certificate has been enclosed	
4.0	Are you an ISO: 9001 accredited supplier?	
4.1	If yes, have you enclosed copy of ISO 9001 accreditation certificate & "Table of Contents" of your Quality Manual?	
4.2	If no, have you enclosed written down procedure / manual of Quality Management System?	
5.0	Have you enclosed experience list/ performance certificate ( as per sl. 3.0 of the form SRF(F) 01 )	
6.0	List of enclosures has been furnished ( as per Sl 5.0 of the form SRF(F) 01)	
7.0	All the parts of the form & enclosures have been signed by Authorised Signatory.	
8.0	D&B Report/ Creditreform report etc. has been attached.	

Signature & seal  
(Authorised Signatory)

Date :

Note : This check list is to be attached with the filled up Supplier Registration Form.



**FORM NO. SRF(F)01 : (FOREIGN SUPPLIER)**

- 1.8 YEAR OF COMMENCEMENT OF BUSINESS :
- 1.9 PRODUCTION CAPACITY PER ANNUM (details of major manufacturing/ testing facilities to be given) :
- 1.10 PARTICULARS OF PRODUCTS INCLUDING SPECIFICATION AND RANGE OFFERED FOR REGISTRATION : ( ATTACH BROCHURES AND CATALOGUES )
- 1.11 NAME (S) OF BANKERS :
- 1.12 BANKER'S CERTIFICATE AS TO CREDITWORTHINESS OF THE CLIENT  
(Enclose Certificate) :
- 1.13 PORT OF LOADING :
- 1.14 NEAREST AIRPORT :
- 1.15 Report from D&B/ Creditreform etc. (As per Cl. 7.1 of Chapter V) (**MANDATORY**):

**2.0 FINANCIAL INFORMATION : (FOR LAST 3 YEARS)**

PARAMETER	YEAR -1	YEAR -2	YEAR -3
ANNUAL TURN OVER			
PROFIT AFTER TAX			

(COPY OF AUDITED ANNUAL ACCOUNTS FOR LAST 3 YEARS TO BE ENCLOSED)

**3.0 QUALITY MANAGEMENT SYSTEM :**

- 3.1 IS THE COMPANY ISO:9001 CERTIFIED : YES / NO
- 3.1.1 IF YES, ENCLOSE COPY OF CERTIFICATE & TABLE OF CONTENTS OF QUALITY MANUAL.
- 3.1.2 IF NO, ENCLOSE QUALITY MANAGEMENT SYSTEM OR WRITTEN DOWN PROCEDURE

- 4.0 EXPERIENCE LIST/ PERFORMANCE CERTIFICATE FOR OFFERED / SIMILAR ITEMS :**  
(ATTACH LIST OF PRESENT CUSTOMERS WITH NAME & ADDRESS FOR OFFERED / SIMILAR TYPE & SIZE OF ITEM / EQUIPMENT FOR WHICH REGISTRATION HAS BEEN SOUGHT AND WITH WHOM YOU HAVE CONTINUOUS BUSINESS SINCE LAST THREE YEARS )

**5.0 IF REGISTERED IN ANY OTHER UNIT OF BHEL, PLEASE SPECIFY:****6.0 DIRECTORS / PARTNERS, IF RELATED TO ANY BHEL EMPLOYEE.**

**NAME:**  
**STAFF NO.:**  
**DESIGNATION:**  
**UNIT & DEPARTMENT:**  
**RELATIONSHIP:**

**7.0 ANY OTHER INFORMATION:****8.0 LIST OF ENCLOSURES :**

(BROCHURES, CATALOGUES, TECHNICAL LITERATURE ETC.)

E – Mail

TELEPHONE : (Landline):  
Mobile :

DATE :

Signature & Seal  
 AUTHORISED SIGNATORY  
 NAME :  
 DESIGNATION :

BHEL CERTIFIED ASSESSOR

**ANNEXURE-VIII**

**(Quality Plan Format)**

MANUFACTURER'S NAME AND ADDRESS		QUALITY PLAN				TO BE FILLED BY BHEL		TO BE FILLED BY BHEL				
BHEL	VENDOR'S NAME	ITEM	STEEL BARS		QP NO.	QA/CF/QP/368/OT						
		DRG. NO.	AS PER PO		REV	00						
		SPEC.	HW10673 (21CrMoV5-7)									
		REV	02		Page 1 of 1							
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS	AGENCY			REMARKS
1	2	3	4	5	6	7	8	9	D	10		11

1	MELTING	CHEMICAL COMPOSITION	MAJOR	SPECTRO ANALYSIS	EACH HEAT	HW10673	HW10673	TC	P	V		
2	REFINING	CHEMICAL COMPOSITION	MAJOR	SPECTRO ANALYSIS	EACH HEAT	HW10673	HW10673	TC	P	V		
3	HOT FORGING / ROLLING					AS PER VENDOR'S PRACTICE		IR	P	-		
4	HEAT TREATMENT	TIME & TEMPERATURE	MAJOR	HT GRAPH	100%	HW10673	HW10673	TC	P	V		
5	STRAIGHTENING & STRESS RELIEVING	STRAIGHTNESS, TIME & TEMPERATURE	MAJOR	STARIGHTNESS HT GRAPH	100%	HW10673	HW10673	TC	P	V		TO BE PERFORMED IF REQUIRED
6	HARDNESS TEST	HARDNESS	MAJOR	HARDNESS	AS PER SPEC	HW10673	HW10673	TC	P	W	-	
7	MECHANICAL TESTING	UTS, 0.2% PROOF STRESS, % ELONGATION % REDUCTION IN AREA IMPACT	MAJOR	MECHANICAL TEST	ON BARS WITH MAX. & MIN HARDNESS PER HEAT PER HT BATCH	HW10673	HW10673	TC	P	W	-	
8	MATERIAL IDENTITY CHECK	CHEMISTRY	MAJOR	SPECTRO	100%	HW10673	HW10673	TC	P	W*		*RANDOM 10%
9	NDT	INTERNAL DEFECTS	MAJOR	UT	100%	HW10673	HW10673	TC	P	W*		*RANDOM 10%
10	VISUAL & DIMENSIONAL CHECK	VISUAL & DIMENSION	MAJOR	VISUAL & MEASURE	10%	HW10673 & PURCHASE ORDER	HW10673 & PURCHASE ORDER	TC	P	W*	-	*RANDOM 10%
11	IDENTIFICATION MARKING & PACKING		MAJOR	VISUAL	100%	HW10673	HW10673	TC	P	V		

*Agamwal*  
*01/10/15*  
*Sugandh Agamwal*  
*QA, BHEL.*

MANUFACTURER/SUBCONTRACTOR	LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE
		APPROVED BY

2

## ANNEXURE-IX

### Certificate by Chartered Accountant on letter head

This is to Certify that M/s .....  
(hereinafter referred to as 'company') having its registered office at ..... is  
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 date .....as 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 Rs .....Lacs 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

## ANNEXURE-X

### Process Compliance Form

**(The bidders are required to print this on their company's letterhead and sign, stamp before faxing)**

To  
Name & Address of Service Provider  
For Reverse Auction (Will be informed  
Later)

#### **Sub: Agreement to the Process related Terms and Conditions**

Dear Sir,

This has reference to the Terms & Conditions for the Reverse Auction mentioned in the RFQ document for {Items} against BHEL enquiry/ RFQ no. F/F219/5/2568/K1.

This letter is to confirm that:

- 1) The undersigned is authorized official/ representative of the company to participate in RA and to sign the related documents.
- 2) We have studied the Reverse Auction Terms & Conditions and the Business rules governing the Reverse Auction as mentioned in your letter and confirm our agreement to them.
- 3) We also confirm that we have taken the training on the auction tool and have understood the functionality of the same thoroughly.
- 4) We also confirm that, in case we become L1 bidder, we will email/ fax the price confirmation & break up of our quoted price (including that of line items) as per *Annexure – XI* within **two** working days (of BHEL) after completion of RA event, besides sending the same by registered post/ courier both to M/s. BHEL and Service provider of Reverse Auction

We, hereby confirm that we will honor the Bids placed by us during the auction process.

With regards

Signature with company seal

Name –  
Company / Organization  
Designation within Company / Organization  
Address of Company / Organization

- Sign this document and Fax it to Service provider of Reverse Auction at 24 Hrs prior to start of the Event.
- Attach a signed copy of the RFQ document along with the Agreement Form/ Process Compliance form and send to Service provider of Reverse Auction.

## ANNEXURE-XI

### RA price confirmation and breakup

To

Name & Address of Service Provider  
For Reverse Auction (Will be informed  
Later)

CC: M/s BHEL  
Heavy Electricals Equipment Plant, Haridwar

Sub: **Final price quoted during Reverse Auction and price breakup**

Dear Sir,

We confirm that we have quoted.

**Rs.{\_\_\_\_\_} for item covered under tender enquiry No. F/F219/5/2568/K1.**

Total price of the items covered under above cited enquiries is inclusive of  
{Packing & forwarding, E.D., C.S.T., freight and insurance charges up to  
BHEL Haridwar District Haridwar state- Uttarakhand and Type Test Charges etc., (exclusive of  
service tax), other as per NIT}

as our final landed prices as quoted during the Reverse Auction conducted today  
{date} which will be valid for a period of 60 days.

The price break-up including that of line items is as given below.

Total

-Rs.

=====  
=====

Thanking you and looking forward to the valuable order from BHEL.

Yours sincerely,

For \_\_\_\_\_

**Name: Company:**

**Date:**

**Seal:**