



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

Tender No.: F/F219/5/2864/K1

Due Date: 16.11.2015

Sub: BHEL-HEEP/OPEN-TENDER (Steel Bars Grade X22CRMOV12-1)

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. (Kg) |
|-------------------|---|------------------|------------------|------------------|
| F/F219/5/2864/K1 | Steel Bars as per Specification- HW10683Rev: 03 Grade- X22CRMOV12-1 | HW1060283131 | Dia-8 | 1750 |
| | | HW1060283107 | Dia-10 | 5000 |
| | | HW1060283190 | Dia-80 | 23000 |
| | | HW1060283050 | Dia-32 | 600 |
| | | HW1060283018 | Dia-90 | 14000 |

The tender documents & Specification of item can be down loaded from our web site www.bhel.com or www.bhelhwr.co.in or 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 Indian as well as International newspaper. **The last date for downloading tender documents shall be 15.11.2015 & opening of each tender shall be 16.11.2015.** Tenders will be received up to 01.45 P.M. on **16.11.2015** 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 16.11.2015) 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. 1,50,000/- (Rupees One Lac Fifty thousand 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. Steel Bars as per Specification- HW10683Rev: 03 and Grade- X22CRMOV12-1

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 ADDTION 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 Steel Bars Grade X22.

Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for procurement of Steel Bars Grade X22.

Pre-Qualification requirements for round bars of material grade X22CrMoV121 specification HW10683

Round bars of material grade X22CrMoV121 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 X22CrMoV121.
 - (a) **Minimum experience requirement:** Vendor must have successfully executed at least three orders or supplied minimum 10 Tons in grade X22CrMoV121 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 1000hrs (Stress: $240 \pm 10\text{Mpa}$, Temperature: $550 \pm 10^\circ\text{C}$) 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 HW10683 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/water)
4. Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10683. 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 HW10683. 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/367/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 Form

as 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 + Insurance + 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.**
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 require document 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 alongwith 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/F219/5/2864K/1 DUE ON 16.11.2015”
- 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 | For foreign Vendors- Confirm that you have quoted your rates with the option C&F Landing Port with third party inspection charges separately. For Indigenous Vendors- 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 | For foreign Vendors- Confirm that payment term shall be "On collection basis through SBI/PNB Ranipur, Hardwar" (CAD). For Indigenous Vendors- 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 X22CrMoV121 specification HW10683

Round bars of material grade X22CrMoV121 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 X22CrMoV121.</p> <p>(a) Minimum experience requirement: Vendor must have successfully executed at least three orders or supplied minimum 10 Tons in grade X22CrMoV121 on the tender opening date. Material supplied in hardened and tempered condition only will be considered for experience.</p> <p>(b) Vendor having Creep Rupture data for 1000hrs (Stress: 240 ± 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 | | | | | | | | | | | | | | | | | | | |
| Sl. No | Name of customer | Purchase order No | Size | Year of supply | Quantity | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 HW10683 and enquiry size. Vacuum degassed steel shall be used.</p> <p>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.</p> <p>Vendor shall submit following manufacturing details with relevant supporting documents with offer:</p> <ul style="list-style-type: none"> - 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/water) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | <p>Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification HW10683. 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 HW10683. 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/367/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)

| Tender No. | Item Description | Mat. Code | Size | Qty. (Kg) | Delivery |
|----------------------|---|------------------|-------------|------------------|-----------------|
| F/F219/5/ 2864/K1 | Steel Bars as per Specification- HW10683Rev: 03 Grade- X22CRMOV12-1 | HW1060283131 | Dia-8 | 1750 | 30.04.2016 |
| | | HW1060283107 | Dia-10 | 5000 | 30.04.2016 |
| | | HW1060283190 | Dia-80 | 23000 | 30.04.2016 |
| | | HW1060283050 | Dia-32 | 600 | 30.04.2016 |
| | | HW1060283018 | Dia-90 | 14000 | 30.04.2016 |


Remarks-

1. Quantity tolerance +/-10% acceptable for all above item sizes.

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

ANNEXURE-V

(Specification)

| दिनांक एवं हस्ताक्षर SIGN & DATE 21/11/13 |  | संस्थान क्रय विनिर्देश (हीप - हार्डवयर) PLANT PURCHASE SPECIFICATION (HEEP - HARDWAR) | HW 10683 पृष्ठ का Page 1 Of 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|---|-------------------------------|-------------------------------|-------------|-------|--------------|----------|----------------|---------------------------|---------|---------------|--|-----|----------|---------------------|--------------|-----------|----------------|-----|------------|-----------------------|-----------|------------|---------------|--|--|--|-----------------|---------------|-------------------|--|
| संपूर्ण अधिकार एवं गोपनीय इस प्रतीक से ही यह दस्तावेज़ केवल ही उपयोग के लिए है इसका प्रसार एवं अनाधिकृत रूप से प्रसारण, प्रतिलिपि बनाना, प्रतिलिपि बनाने से निषेध है। | STEEL BARS GRADE X22CrMoV 12-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUPERSEDES INVENTORY NO P-2185 | <p>1.0 GENERAL: This specification governs the quality of steel Bars of grade X22CrMoV12-1 according to EN10269 material no. 1.4923.</p> <p>2.0 APPLICATION: The Bars shall be used for bolts and coupling bolts of governing components and other turbine components.</p> <p>3.0 COMPLIANCE WITH NATIONAL / INTERNATIONAL STANDARD: Based on TLV 9248 / 07, July'2012.</p> <p>4.0 CONDITION OF DELIVERY: The bars shall be supplied in quenched and tempered condition (QT1) according to EN10269 table B.1.</p> <p>5.0 DIMENSION AND TOLERANCES: Bars shall be supplied to the dimensions specified in BHEL order.</p> <p>5.1 Length: 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.</p> <p>5.2 Tolerance:</p> <p>5.2.1 Hot Rolled Bars: The bars shall not vary from specified diameter or distance across flats by more than $\pm 2.5 \%$.</p> <p>5.2.2 Forged Bars: The tolerance on the forged bars shall be as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Dia. mm</th> <th style="text-align: center;">Tolerance, mm</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">> 50 to 125</td> <td style="text-align: center;">+ 6.0</td> </tr> <tr> <td style="text-align: center;">> 125 to 175</td> <td style="text-align: center;">+ 8.0</td> </tr> <tr> <td style="text-align: center;">> 175</td> <td style="text-align: center;">+ 12.5</td> </tr> </tbody> </table> <p>Note: (for hot rolled and forged bars) Insignificant surface defects in the form of dent and ripple marks are permissible provided their depth does not exceed half the tolerance on each side.</p> | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| संस्थापक एवं दिनांक SIGN & DATE 21/11/13 | सहमत विभाग AGREED DEPTT | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">TSX</td> <td style="width: 15%;">B. CHAUDHARY</td> <td style="width: 15%;">(Blumy 21/11/13)</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>MEM- PSC</td> <td>V.K. Chaudhary</td> <td>(V.K. Chaudhary 21/11/13)</td> <td>अनुवादक</td> <td>TRANSLATED BY</td> <td></td> </tr> <tr> <td>STE</td> <td>D.K. Ray</td> <td>(D.K. Ray 21/11/13)</td> <td>निर्माणकर्ता</td> <td>WORKED BY</td> <td>PANKAJ AGARWAL</td> </tr> <tr> <td>QAX</td> <td>S. AGARWAL</td> <td>(S. Agarwal 21/11/13)</td> <td>जांचकर्ता</td> <td>CHECKED BY</td> <td>ASHISH RANJAN</td> </tr> <tr> <td></td> <td></td> <td></td> <td>पर्यवेक्षणकर्ता</td> <td>SUPERVISED BY</td> <td>T S GOPALKRISHNAN</td> </tr> </table> | TSX | B. CHAUDHARY | (Blumy 21/11/13) | | | | MEM- PSC | V.K. Chaudhary | (V.K. Chaudhary 21/11/13) | अनुवादक | TRANSLATED BY | | STE | D.K. Ray | (D.K. Ray 21/11/13) | निर्माणकर्ता | WORKED BY | PANKAJ AGARWAL | QAX | S. AGARWAL | (S. Agarwal 21/11/13) | जांचकर्ता | CHECKED BY | ASHISH RANJAN | | | | पर्यवेक्षणकर्ता | SUPERVISED BY | T S GOPALKRISHNAN | दिनांक एवं हस्ताक्षर SIGNATURE & DATE 21/11/13 |
| TSX | B. CHAUDHARY | (Blumy 21/11/13) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEM- PSC | V.K. Chaudhary | (V.K. Chaudhary 21/11/13) | अनुवादक | TRANSLATED BY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STE | D.K. Ray | (D.K. Ray 21/11/13) | निर्माणकर्ता | WORKED BY | PANKAJ AGARWAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| QAX | S. AGARWAL | (S. Agarwal 21/11/13) | जांचकर्ता | CHECKED BY | ASHISH RANJAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | पर्यवेक्षणकर्ता | SUPERVISED BY | T S GOPALKRISHNAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| संस्थापक एवं दिनांक SIGN & DATE 21/11/13 | स्वीकृति : संस्थान मानक समिति APPROVED : PLANT STANDARDS COMMITTEE | | | दिनांक : DATE : 26.07.2007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REV. NO. 03 SUPERSEDES Dt. 21.03.2013 | | जारी : मानक विभाग ISSUED : STANDARDS DIVISION | | | दिनांक : DATE : 26.07.2007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SIGN & DATE | | संस्थान क्रय विनिर्देश (हीप - हरिद्वार) PLANT PURCHASE SPECIFICATION (HEEP - HARDWAR) | | HW 10683 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|--|---|--------------------------------|----------------|---------|------|------|------|---|---|----|----|----|---|------|------|----|------|----|----|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|
| | | | | पृष्ठ का Page 2 of 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| सामग्री सूची संख्या INVENTORY NO P-2185 | SUPERSEDES INVENTORY NO | 6.0 MANUFACTURE: The bars shall either be rolled or forged for diameter $\leq 160\text{mm}$ provided that the requested mechanical properties are fulfilled. Bars of diameter greater than 160mm shall be forged. The steel shall be made as per EN10269. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| स्वत्वाधिकार एवं गोपनीय 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. | | 7.0 HEAT-TREATMENT: Bars shall be delivered in quenched and tempered condition (QT1) in accordance with EN10269, Table B1. Quench Hardening: 1020 - 1070° C / air, oil, polymer*, water Tempering: 680 - 740°C (preferably 710 - 740°C), min. 2 hours *with a center cooling rate comparable to oil If bars need to be straightened after heat treatment, stress relieving is mandatory after completion of entire straightening process. The stress relieving shall be carried out at 20-50°C below the tempering temperature with a subsequent slow cooling rate. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COPYRIGHT AND CONFIDENTIAL | | 8.0 FREEDOM FROM DEFECTS: The bars shall be free from cracks, laminations, segregation, inclusions and other harmful defects. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| स्वत्वाधिकार एवं गोपनीय | | 9.0 CHEMICAL COMPOSITION: Heat analysis in weight % in accordance with EN10269. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Element</th> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>Min.</td> <td>0.18</td> <td>--</td> <td>0.40</td> <td>--</td> <td>--</td> <td>0.30</td> <td>11.0</td> <td>0.80</td> <td>0.25</td> </tr> <tr> <td>Max.</td> <td>0.24</td> <td>0.50</td> <td>0.90</td> <td>0.025</td> <td>0.015</td> <td>0.80</td> <td>12.5</td> <td>1.20</td> <td>0.35</td> </tr> </tbody> </table> | | | | Element | C | Si | Mn | P | S | Ni | Cr | Mo | V | Min. | 0.18 | -- | 0.40 | -- | -- | 0.30 | 11.0 | 0.80 | 0.25 | Max. | 0.24 | 0.50 | 0.90 | 0.025 | 0.015 | 0.80 | 12.5 | 1.20 | 0.35 |
| Element | C | Si | Mn | P | S | Ni | Cr | Mo | V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Min. | 0.18 | -- | 0.40 | -- | -- | 0.30 | 11.0 | 0.80 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. | 0.24 | 0.50 | 0.90 | 0.025 | 0.015 | 0.80 | 12.5 | 1.20 | 0.35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| स्वत्वाधिकार एवं गोपनीय | | 10.0 MECHANICAL PROPERTIES: 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 amount shall be 10% of the bars with a minimum of 10 bars. When the lot contains less than 10 bars, all bars shall be tested. The mechanical properties shall be tested on softest and hardest bars. The specimens are to be taken in longitudinal direction according to EN10083 -1 after all heat treatments performed. For bars with diameter (d) or side lengths (a, b) > 100mm, the specimen shall be taken at a distance d/3 or (a/3, b/3) from the respective surfaces. In this case, transverse specimens are also allowed. An impact test shall be performed on bars having side length $\geq 12\text{ mm}$ or diameter $\geq 16\text{mm}$ respectively. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| हस्ताक्षर एवं दिनांक SIGN & DATE 4/4/13 | REV. 03 | | निर्माणाकर्ता Worked by PANKAJ AGARWAL | Pankaj | 21/3/13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | जांचकर्ता Checked by ASHISH RANJAN | Ashish | 21/3/13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

सामग्री सूची संख्या
 INVENTORY NO

SUPERSEDES
 INVENTORY NO

स्वत्वाधिकार एवं गोपनीय
 COPYRIGHT AND CONFIDENTIAL
 The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used, copied, or indirectly in any way detrimental to the interest of the company.

हस्ताक्षर एवं दिनांक
 SIGN & DATE
 P-2185
 21/3/13

The following Mechanical properties shall be achieved at room temperature





| 0.2% yield Strength (N/mm ²) | Tensile Strength (N/mm ²) | %Elongation (l ₀ =5d) | | %Reduction in area | | Impact energy (J) ** | | Hardness HB30 |
|--|---------------------------------------|----------------------------------|--------|--------------------|--------|----------------------|--------|---------------|
| | | Long. | Trans. | Long. | Trans. | Long. | Trans. | |
| ≥ 600 | 800-950 | ≥ 14 | ≥ 11 | ≥ 40 | ≥ 25 | ≥ 27 | ≥ 15 | 245-290 |





** Average of 3 Charpy V-notch specimens, Minimum Value: Longitudinal = 19J, Transverse = 15J

- 11.0 OUTER AND INNER QUALITY / NDE:**
- 11.1 SURFACE CONDITION:** Cracks and other material separation or more severe linear inclusions lines are only acceptable when located in the dimensional tolerances area.
- 11.2 SCOPE OF INSPECTION:**
 Following NDE shall be performed in delivery condition:
- Material identity check on all bars
 - Complete ultrasonic inspection (UT) of all bars ≥ 30 mm thickness/diameter according to EN 10308 type 1a-1c (Table 1)
- 11.3 Criteria for registration and decision**
 Regarding the UT inspection, the following quality classes in accordance with EN10308 (Table 2) shall be applied depending on the diameter (d) or side length (a,b):
- d or (a,b) ≤ 200 mm: quality class 4
 - d or (a,b) > 200 mm: quality class 3
- The decision limit for backwall echo loss is 3dB for all bar dimensions. No linear or planar indication larger than 10mm 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.

- 12.0 PROCESS QUALIFICATION:**
- 12.1 General**
 Product and process qualification procedures must be conducted for first order. The scope of such product and process qualification (stipulation of additional detailed requirements) has to be defined in coordination and agreement with the BHEL directly after receipt of the order. Such product and process qualification is required for each of the manufacturer's fabrication sites involved.
 Depending on the complexity of the product and/or process and the experience from the first order, additional product and process qualification procedures may have to be implemented for subsequent orders.


| | | | | |
|----------------|---------------------------|----------------|----------|---------|
| REV. 03 | निर्माणकर्ता Worked by | PANKAJ AGARWAL | Pankaj | 21/3/13 |
| | जांचकर्ता Checked by | ASHISH RANJAN | Aranjani | 21/3/13 |

| | | | | | | | |
|--------------------------------------|---|--|---------|--------------------------------|-------------------|---|---------|
| SIGN & DATE |  | संस्थान क्रय विनिर्देश (हीप - हरिद्वार) PLANT PURCHASE SPECIFICATION (HEEP - HARDWAR) | | HW 10683 | | | |
| | | | | पृष्ठ का Page 4 of 5 | | | |
| सामग्री सूची संख्या INVENTORY NO. | SUPERSEDES INVENTORY NO. | <p>Prior to the start of manufacturing, the manufacturer has to submit a manufacturing and testing plan to BHEL in which the quality assured process workflow, i.e. the sequence of process activities (manufacturing, testing and inspection steps) are specified in chronological order. The internal and external codes, standards, drawings, specifications and records applied to each sub process step must be noted along with the information about the equipment and test and inspection scopes used and, where related, any related subcontracting.</p> <p>BHEL may inspect/review supplier internal documents also.</p> <p>If any change in the manufacturing and testing process is required, prior approval from BHEL is to be taken. Depending on the type and scope and thus the significance of any given change, BHEL will decide whether it is necessary to requalify the product and/or process.</p> <p>Subcontracting of process steps to sub suppliers is only allowable given express written agreement and approval by the purchaser.</p> <p>12.2 The following additional tests have to be performed during qualification:</p> <p>12.2.1 Tensile tests at elevated temperature</p> <p>In accordance with EN 10002-5 a tensile test (in the same direction as at room temperature) has to be performed at 600°C.</p> <p>The following properties must be achieved:</p> <ul style="list-style-type: none"> 0.2% Yield Strength ≥ 205MPa, Tensile Strength ≥ 300 MPa, Elongation (%) ≥ 20, Reduction in area (%) ≥ 65 <p>12.2.2 Microstructure Examination</p> <p>The homogeneity of the microstructure has to be checked and documented by micro section. The microstructure must be uniform and free from porosity, excessive segregation and other inhomogeneities.</p> <p>A Delta ferrite content < 5% is acceptable.</p> <p>The inclusion content has to be determined in accordance with ASTM E45.</p> <p>The grain size must be measured after all heat treatments have been performed.</p> <p>In accordance with ASTM E 112 or ISO 643 grain size 4 or finer must be achieved. A deviation from the average grain size of more than 2 grain sizes is not permissible.</p> <p>13.0 MARKING:</p> <p>The marking of the materials shall be such that heat no., steel quality & manufacturer name / identifications are legible.</p> | | | | | |
| सामग्री सूची संख्या INVENTORY NO. | हस्ताक्षर एवं दिनांक SIGN & DATE | स्वत्वाधिकार एवं गोपनीय COPYRIGHT AND CONFIDENTIAL <small>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.</small> | REV. 03 | निर्माणकर्ता Worked by | PANKAJ AGARWAL |  | 21/3/13 |
| P-2185 |  | | | जांचकर्ता Checked by | ASHISH RANJAN |  | 21/3/13 |

| | | | | | | |
|--|--|---|-------------------|--|-------------------------|---|
| SIGN & DATE |  | संस्थान क्रय विनिर्देश (हीप - हर्द्वार) PLANT PURCHASE SPECIFICATION (HEEP - HARDWAR) | | HW 10683 | | |
| | | | | पृष्ठ का Page 5 of 5 | | |
| सामग्री सूची नं./ को अतिरिक्त अंश है । INVENTORY NO. | SUPERSEDES INVENTORY NO. | 14.0 TEST CERTIFICATES: <p>The supplier shall supply four copies of test certificates as per EN 10204, certificate 3.1 B, unless otherwise stated on the order. The test certificates shall bear the following:</p> <p>BHEL References:</p> <ul style="list-style-type: none"> - Specification no., Purchase orders no. <p>Supplier's references:</p> <ul style="list-style-type: none"> - Name, emblem, material designation, melt no, Heat-treatment batch no. <p>Results of Testing:</p> <ul style="list-style-type: none"> - Melting process, melt analysis, - Dimension reports - Mechanical properties, all individual values shall be reported - Heat-treatment details, - U.T result - Confirmation of the material identity check | | | | |
| स्वत्वाधिकार एवं गोपनीय This drawing is the property of BHEL Electrical Limited. It must not be used directly or indirectly in any way, detrimental to the interest of the company. | | 15.0 CLEARANCE FOR DELIVERY: <p>The total results of the tests carried out are the deciding factor for clearance for delivery. 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.</p> <p>The clearance however does not relieve the supplier of his responsibility for the hidden non-permissible defects, which are found later.</p> | | | | |
| स्वत्वाधिकार एवं गोपनीय This drawing is the property of BHEL Electrical Limited. It must not be used directly or indirectly in any way, detrimental to the interest of the company. | | 16.0 CROSS REFERRED STANDARDS: EN 10083-1, EN10204, EN10269, EN10308, EN10002-5, ASTM E45, ASTM E112, ISO 643. | | | | |
| सामग्री सूची नं./ INVENTORY NO. | हस्ताक्षर एवं दिनांक SIGN & DATE | REV. 03 | | | | |
| P-2185 |  21/3/13 | निर्माणकर्ता Worked by | PANKAJ AGARWAL |  21/3/13 | जांचकर्ता Checked by | ASHISH RANJAN  21/3/13 |

ANNEXURE-VI

(Supplier Registration Form Indigenous Vendor)

| | | | |
|---|---|--------------|-------------|
|  | Annexure-VI GUIDELINES TO INDIAN SUPPLIERS FOR FILLING-UP SUPPLIER REGISTRATION FORM | 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 (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.
- 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.

| | | | |
|---|---|--------------|-------------|
|  | Annexure-VI Check List for Indian Supplier Registration Form | 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

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

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 2 of 17

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

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 4 of 17

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 / SERVICE AFTER SALES : | | | | |
| OTHERS : | | | | |
| TOTAL : | | | | |
| * 5.1 POWER BACKUP : (GIVE DETAILS) | YES/ NO | | | |
| * 5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY : | YES/ NO | | | |

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 5 of 17

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 :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 6 of 17

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.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 7 of 17

ORGANISATIONAL INFORMATION

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 |
|---------------------------------|-------------------------|

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI

Page 8 of 17

| |
|-----------------------------------|
| ORGANISATIONAL INFORMATION |
|-----------------------------------|

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

| | |
|---------------------------------|-------------------------|
| SUPPLIER'S AUTHORISED SIGNATORY | BHEL CERTIFIED ASSESSOR |
|---------------------------------|-------------------------|

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI
Page 9 of 17

| 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 & Service Tax, Custom) and details of disputes pending, if any, with these authorities to be submitted.</p> | | | | | |
| SUPPLIER'S AUTHORISED SIGNATORY | | | BHEL CERTIFIED ASSESSOR | | |

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI

Page 10 of 17

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

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 11 of 17

FORM NO. SRF(I) 01

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 | | | | |

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

ANNEXURE-VI
Page 12 of 17

FORM NO. SRF(I) 01

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

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI
Page 13 of 17 amdt.-04

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) | | |
| TOTAL MARKS OUT OF POSSIBLE | 10 | 25 | | |

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) | | | | | | |
| TOTAL MARKS OUT OF POSSIBLE Average of Total (Total/3) = ----- | 10 | 25 | | | | | | |

(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.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI
Page 14 of 17

Part D : SCORE SHEET

1. ORGANISATIONAL SOUNDNESS (for Manufacturers):

| S.N. | PARAMETER | CRITERIA | Maxm. Marks | Marks Awarded |
|------|---|--|-------------|---------------|
| 1. | Whether all relevant information 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 | |
| | TOTAL | | 25 | |

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 relevant information like ownership, PAN no., sales tax no., etc. submitted (clause 6.0 of chapter V to be referred in this regard) | 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 | |

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI
Page 15 of 17

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 | |
| TOTAL | | | 25 | |

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 | |

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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

ANNEXURE-VI
Page 16 of 17

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 | |
| TOTAL | | | 25 | |

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) |
|---------------------------------------|----------------------|-----------------------|
| A. Common Technical Competence | | |

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) |
|---------------|------------------|-------------------------|----------------------|-----------------------|
| | | | | |
| | | | | |
| | Sub-Total | | 15 | |

TOTAL (A+B): 25 ()

SUMMARY:

| Sl. No | Criteria | Maxm Marks | Qualifying marks * | Marks obtained | Recommendation for registration |
|--------|---|------------|--------------------|----------------|--|
| 1. | Organisational Soundness Financial Information | 50 | 30 | | Recommended : Permanent code /Development code/ Trial code Not recommended |
| 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) |

| |
|-------------------------|
| BHEL CERTIFIED ASSESSOR |
|-------------------------|

ANNEXURE-VII

(Supplier Registration Form Foreign Vendor)

| | | | |
|---|--|--------------|-------------|
|  | Annexure-VII GUIDELINES TO FOREIGN SUPPLIERS FOR FILLING UP SUPPLIER REGISTRATION FORM | 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 (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.
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 CHECK-LIST FOR FOREIGN SUPPLIERS REGISTRATION FORM | 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.

BHARAT HEAVY ELECTRICALS LIMITED , INDIA

ANNEXURE- VII

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

Page 1 of 2

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

| SUPPLIER REGISTRATION FORM | |
|---|--------|
| 1.0 GENERAL INFORMATION : | |
| 1.1 NAME OF SUPPLIER : (TO BE REGISTERED) | |
| 1.2 SUPPLIER ADDRESS : (TO BE REGISTERED) | |
| E - Mail : | |
| TELEPHONE : (Landline)- | Mobile |
| WEB SITE : | |
| 1.3 DETAILS OF FACTORY / WORKS : | |
| ADDRESS : | |
| E - Mail : | |
| TELEPHONE : (Landline)- | Mobile |
| 1.4 DETAILS OF MARKETING REPRESENTATIVE (OUTSIDE INDIA , IF ANY) | |
| ADDRESS : | |
| E - Mail : | |
| TELEPHONE : (Landline)- | Mobile |
| 1.5 DETAILS OF INDIAN REPRESENTATIVE, IF ANY : (Attach authorisation letter) | |
| NAME : | |
| ADDRESS : | |
| E - Mail : | |
| TELEPHONE : (Landline)- | Mobile |
| 1.6 CHIEF EXECUTIVE : | |
| 1.7 YEAR OF ESTABLISHMENT : | |

| | |
|---------------------------------|-------------------------|
| SUPPLIER'S AUTHORIZED SIGNATORY | BHEL CERTIFIED ASSESSOR |
|---------------------------------|-------------------------|

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 :

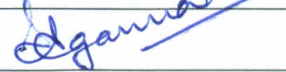
BHEL CERTIFIED ASSESSOR

ANNEXURE-VIII

(Quality Plan)

| | | | | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------|-----------------------|---------------|------------------|--------------------|------------------|----------------------|--------|----------------------|---|---------|----|----|
| 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/367/OT | | | | | | | | |
| | | | | REV | 00 | | | | | | | | | |
| | | DRG. NO. | AS PER PO | | | | | | | | | | | |
| | | SPEC. | HW10683 (X22CrMoV121) | | | | | | | | | | | |
| | REV | 03 | | | 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 | M | B | N | 10 | 11 |

| | | | | | | | | | | | | |
|-----|---|---|-------|-----------------------|--|--------------------------|---------|----|---|----|---|-----------------------------|
| 1 | MELTING | CHEMICAL COMPOSITION | MAJOR | SPECTRO ANALYSIS | EACH HEAT | HW10683 | HW10683 | TC | P | V | | |
| 2 | REFINING | CHEMICAL COMPOSITION | MAJOR | SPECTRO ANALYSIS | EACH HEAT | HW10683 | HW10683 | TC | P | V | | |
| 3 | HOT FORGING / ROLLING | | | | | AS PER VENDOR'S PRACTICE | | IR | P | - | | |
| 4 | HEAT TREATMENT | TIME & TEMPERATURE | MAJOR | HT GRAPH | 100% | HW10683 | HW10683 | TC | P | V | | |
| 5 | STRAIGHTENING & STRESS RELIEVING | STRAIGHTNESS, TIME & TEMPERATURE | MAJOR | STARIGHTNESS HT GRAPH | 100% | HW10683 | HW10683 | TC | P | V | | TO BE PERFORMED IF REQUIRED |
| 6 | HARDNESS TEST | HARDNESS | MAJOR | HARDNESS | AS PER SPEC | HW10683 | HW10683 | TC | P | W | - | |
| 7 | PRODUCT AND PROCESS QUALIFICATION AS PER CLAUSE 12 OF SPECIFICATION HW10683 | | | | | | | | | | | |
| 7.1 | MECHANICAL TESTING | TENSILE TEST AT ELEVATED TEMPERATURE FOR PROCESS QUALIFICATION | MAJOR | MECHANICAL TEST | ON BARS WITH MAX. & MIN HARDNESS PER HEAT PER HT BATCH | HW10683 | HW10683 | TC | P | W | | |
| 7.2 | METALLOGRAPHIC TESTING | MICROSTRUCTURE DELTA FERRITE INCLUSION CONTENT GRAIN SIZE | MAJOR | METALLOGRAPHIC | ONE/HEAT/HT BATCH | HW10683 | HW10683 | 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 | HW10683 | HW10683 | TC | P | W | - | |
| 8 | MATERIAL IDENTITY CHECK | CHEMISTRY | MAJOR | SPECTRO | 100% | HW10683 | HW10683 | TC | P | W* | | *RANDOM 10% |

| | | | |
|----------------------------|--|------------------|--|
| 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 |
| | | | |

| 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/367/OT | | | | | | | |
| | | REV | | | REV | 00 | | | | | | | |
| | | DRG. NO. | AS PER PO | | | | | | | | | | |
| | | SPEC. | HW10683 (X22CrMoV121) | | | | | | | | | | |
| REV | 03 | | Page 2 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 | M | B | N | 11 |

| | | | | | | | | | | | | | |
|----|----------------------------------|--------------------|-------|------------------|------|--------------------------|--------------------------|----|---|----|---|--|-------------|
| 9 | NDT | INTERNAL DEFECTS | MAJOR | UT | 100% | HW10683 | HW10683 | TC | P | W* | | | *RANDOM 10% |
| 10 | VISUAL & DIMENSIONAL CHECK | VISUAL & DIMENSION | MAJOR | VISUAL & MEASURE | 10% | HW10683 & PURCHASE ORDER | HW10683 & PURCHASE ORDER | TC | P | W* | - | | *RANDOM 10% |
| 11 | IDENTIFICATION MARKING & PACKING | | MAJOR | VISUAL | 100% | HW10683 | HW10683 | TC | P | V | | | |

Sugandh Dgannal
01/10/15
Sugandh Dgannal
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 |
| | | | |

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 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

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/F219/5/2864/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/F219/5/2864/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: