



BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462/223948
PHONE NO: 0091 1334 281478

Tender No.: F/T237/4/0424/H/1

Due Date: 52.06.2014

Sub: BHEL-HEEP/OPEN-TENDER (Copper Wire Annealed Tinned/Untinned)

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. Government of India has a plan to add 70,000 MW in Five Year Plan (2007-2012) and more than 1,20,000 MW in next five year plan (2012-2017).

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 | Qty. |
|-------------------|--|-------------|
| F/T237/4/0424/H/1 | Copper Wire Annealed Tinned/Untinned Spec: AA12029 Rev-05 Size: 0.9 Electro Tinned Grade: TND-UNTND-GR A-Wire | 5167 Kg |

The tender documents 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 Newspaper. **The last date for downloading tender documents shall be 2;.06.2014 & opening of each tender shall be 52.06.2014.** Tenders will be received up to 01.45 P.M. on **52.06.2014** 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 52.06.2014) will not be REPEAT 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/- for indigenous vendors (or equivalent amount in foreign currency for foreign vendors) against each tender along with the requisite EMD Rs 1,00,000/- (Rupees One Lakhs only) 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 may be waived in following cases-

- Central/ State – PSUs/ Government departments (Documentary proof required).
- Micro and Small Enterprises (Subject of submission of valid NSIC certificate).

Amendments / Corrigendum, if any, will be hosted on our web site only. Other terms and conditions will be as per tender documents.

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

The details of each item with required delivery are given in **Annexure-4 (Details of Items).**

Prices are not firm and Price Variation Clause will be applicable as per Annexure-VIII.

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

BIDS SHALL BE OPENED OF THOSE VENDORS ONLY WHO SHALL 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 Copper Wire Annealed Tinned/Untinned.

Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for procurement of Copper Wire Annealed Tinned/Untinned.

Un-registered vendors shall be considered, if and only if, they meet the minimum qualification requirement and quality requirements as given below.

MINIMUM QUALIFICATION REQUIREMENT

Copper Wire Annealed Tinned/Untinned

Following is the mandatory requirement. Offer of Vendors not meeting these requirements will not be considered.

➤ **Technical Requirements-**

1. Vendor shall have in-house facilities for manufacturing of annealed tinned copper wire. Vendor shall also furnish the details of manufacturing machines.
2. Vendor to have experience of successfully manufacturing and supply of tinned Cu-wire of 0.5-1.0 mm diameter with minimum 5000 m single length in last three years for two different customers. Vendor to furnish the copy of purchase orders and dispatch documents for the same.
3. Vendor shall have the facility of tinning using suitable process. Details of the same process to be furnished.
4. Vendor to comply with all the clauses of specification AA12029 Rev-05. However, since the requirement of the wire is for thermal heat transfer, hence for testing 99.9% purity of copper, suitable testing/method in place of clause no -11 is to be defined by the vendor.

➤ **Quality Requirements-**

1. Testing & certification as per ordering specification.
2. For successful new indigenous vendors, inspection by BHEL nominated inspection agency 'TUV' and LRS/TUV/BV for foreign vendors with witnessing of mechanical properties, electrical resistivity as per clause-10 & 11 and review of remaining test certificates as per specification-AA12029 Rev-05.

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 (Refer Annexure- VI & VII)**
3. **BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).**
4. The tenders shall be submitted in three parts
 - i. Part I - Techno -Commercial Bid,
 - ii. Part II - Price Bid
 - iii. Part III - Vendor Registration Formas described below on or before the due date. Vendor Registration Form shall be submitted by unregistered vendors only.
5. **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.**
6. Any corrections / amendments shall be properly & fully authenticated with signature. No overwriting is acceptable.
7. In case of ordering, manufacturing plan should be submitted for BHEL approval.
8. 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.
9. 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.
10. 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.
11. Currency exchange rate will be applicable on the date of opening of Part-I (Techno-commercial Bid) for evaluation purpose.
12. **Depending upon the delivery suitability, BHEL reserves the right to split order on more than one vendor.**
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-1. The bids of those vendors who do not agree for reverse auction may not be considered. The Terms & Condition for Reverse Auctioning are given below.**
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. **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.

21. 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.

22. 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.

23. 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 as per Annexure-~~K~~ (For unregistered vendors only)
- b. Complete technical offer as per specification, drawings, technical requirement along with un-priced bid giving FOB, C&F rate.
- c. Inspection charges separately and delivery schedule.
- d. Validity of offer to be indicated.
- e. **Annexure - K**- Compliance sheet for technical/commercial terms and conditions for two part tender.
- f. **Deviation with reference to specification/drawing, if any, should be clearly indicated on a separate sheet.**
- g. Details of activity outsourced.

PART –II (Price Bid)

- a. Price bid with prices to be submitted as part-II of the tender.
- b. Prices should remain firm till the execution of the order.
- c. In case of foreign vendors, prices to be quoted on FOB & C&F Mumbai (India) basis separately. In case of FOB, Loading port must be mentioned. Please note that **Ex-Works** price may **not** acceptable & offer shall not be considered. In case of Indigenous vendor, prices must be quoted on FOR- Destination- Store-HEEP-BHEL basis.
- d. Insurance – Marine in case of foreign vendor & inland in case of Indigenous vendor shall be taken care by BHEL.
- e. LRS/TUV/BV inspection charges to be quoted separately.
- f. **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.**
- g. LD Penalty shall be applicable at the rate of ½ % (half percent) per week or part thereof subject to a maximum of 10%. 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 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 (for foreign vendors) and after receipt and acceptance (for indigenous vendors)” shall be loaded in prices of vendor.**
- h. Irrevocable LC is opened for one quarter (3 months) & is established 45 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 & Out side India) for the period exceeding one quarter.
- i. **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.----- DUE ON -----
- Drafts for Tender Fee & EMD to be kept in one envelop – Envelop –A. On the Top of the envelop, 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. | 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 | Confirm that prices are quoted inclusive of third party inspection charges on FOB as well as C & F basis. | YES / NO |
| 8 | Confirm that Loading Port has been mentioned. | YES / NO |
| 9 | Confirm the Price Variation Clause as per Annexure-VIII. | YES / NO |
| 10 | Confirm that payment term shall be "On collection basis through SBI/PNB Ranipur, Hardwar" (CAD) | 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%. | YES / NO |
| 12 | Confirm that all test certificates to be submitted as per BHEL specification. in TRIPLICATE along with despatch documents | YES / NO |
| 14 | 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 |
| 15 | Confirm specifically that material shall be supplied as per tender documents. | YES / NO |
| 16 | Ink signed order acceptance shall be furnished within 15 days of order placement. | YES / NO |
| 17 | Confirm if there is Indian agency commission. | YES / NO |
| 18 | Please confirm to participate in Reverse Auction on CIF Mumbai basis inclusive third party inspection charges for foreign suppliers. For Indian suppliers, please quote your rates without inspection charges on FOR Destination basis, your rates will be loaded accordingly for inspection charges as Inspection will be arranged by BHEL. | YES / NO |
| 19 | Confirm acceptance of Risk Purchase clause. | YES / NO |
| 20 | 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

MINIMUM QUALIFICATION REQUIREMENT FOR COPPER WIRE ANNEALED TINNED/UNTINNED

Following is the mandatory requirement. Offer of Vendors not meeting these requirements will not be considered.

➤ **Technical Requirements-**

| Sl. No. | Technical Requirement | Vendor's confirmation (Y/N) |
|---------|---|-----------------------------|
| 01 | Vendor shall have in-house facilities for manufacturing of annealed tinned copper wire. Vendor shall also furnish the details of manufacturing machines. | |
| 02 | Vendor to have experience of successfully manufacturing and supply of tinned Cu-wire of 0.5-1.0 mm diameter with minimum 5000 m single length in last three years for two different customers. Vendor to furnish the copy of purchase orders and dispatch documents for the same. | |
| 03 | Vendor shall have the facility of tinning using suitable process. Details of the same process to be furnished. | |
| 04 | Vendor to comply with all the clauses of specification AA12029 Rev-05. However, since the requirement of the wire is for thermal heat transfer, hence for testing 99.9% purity of copper, suitable testing/method in place of clause no -11 is to be defined by the vendor. | |

➤ **Quality Requirements-**

| Sl. No. | Quality Requirement | Vendor's confirmation (Y/N) |
|---------|--|-----------------------------|
| 01 | Testing & certification as per ordering specification. | |
| 02 | For successful new indigenous vendors, inspection by BHEL nominated inspection agency 'TUV' and LRS/TUV/BV for foreign vendors with witnessing of mechanical properties, electrical resistivity as per clause-10 & 11 and review of remaining test certificates as per specification-AA12029 Rev-05. | |

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 IV) 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 VII)** 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. | Material Code | Description | Specification | Qty. | Delivery |
|-------------------|---------------|--|---|---------|------------|
| F/T237/4/0424/H/1 | HW1204029970 | Copper Wire Annealed Tinned/ Untinned | AA12029 Rev:05 Size: 0.9 Electro Tinned Grade: TND- UNTND-GR A-Wire | 5167 Kg | 20.11.2014 |


NOTE: 1. THE QUANTITY INDICATED ABOVE CAN BE INCREASED/ DECREASED.

2. PRICES ARE NOT FIRM AND PRICE VARIATION CLAUSE WILL BE APPLICABLE AS PER ANNEXURE-VIII.

ANNEXURE-V

(Specification)

Copyright and Confidential
 The information on this document is the property of BEARAT HEAVY ELECTRICALS LIMITED
 It must not be used directly or indirectly in any way detrimental to the interest of the company.

| | | | | | | | | | | | | | | | | |
|--|---|------------------|---|---------------------|-------------------------------------|---|------------------|------------|---|------------------|-----------|---|---|------------------|---|---|
|  | CORPORATE PURCHASING SPECIFICATION | | | AA 12029 | | | | | | | | | | | | |
| | | | | Rev. No. 05 | | | | | | | | | | | | |
| | | | | | PREFACE SHEET | | | | | | | | | | | |
| <p>COPPER WIRE - ANNEALED(TINNED / UNTINNED)</p> <p>FOR INTERNAL USE ONLY</p> <p>REMOVE THIS PREFACE BEFORE ISSUE TO SUPPLIERS</p> <p>Comparable Standards:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">1. INDIAN</td> <td style="padding-right: 20px;">:</td> <td>IS : 9567 - 2001</td> </tr> <tr> <td>2. BRITISH</td> <td>:</td> <td>BS EN 13602-2002</td> </tr> </table> <p>Probable/Suggested Suppliers and Grades:</p> <p>Refer plant vendors list.</p> <p>User Plant References:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">1. BHOPAL</td> <td style="padding-right: 20px;">:</td> <td>-</td> </tr> <tr> <td>2. HEER, HARDWAR</td> <td>:</td> <td>-</td> </tr> </table> | | | | | 1. INDIAN | : | IS : 9567 - 2001 | 2. BRITISH | : | BS EN 13602-2002 | 1. BHOPAL | : | - | 2. HEER, HARDWAR | : | - |
| 1. INDIAN | : | IS : 9567 - 2001 | | | | | | | | | | | | | | |
| 2. BRITISH | : | BS EN 13602-2002 | | | | | | | | | | | | | | |
| 1. BHOPAL | : | - | | | | | | | | | | | | | | |
| 2. HEER, HARDWAR | : | - | | | | | | | | | | | | | | |
| Revisions : CI 20.2.4 of MOM of MRC-NFCW+HE | | | APPROVED : INTERPLANT MATERIAL RATIONALISATION COMMITTEE-MRC (NFCW+HE) | | | | | | | | | | | | | |
| Rev. No. 05 | Amd.No. | Reaffirmed | Prepared BHOPAL | Issued Corp. R&D | Dt. of 1st Issue September, 1989 | | | | | | | | | | | |
| Dt: 15.02.2006 | Dt : | Year : | | | | | | | | | | | | | | |

**COPPER WIRE - ANNEALED (TINNED / UNTINNED)****1.0 GENERAL:**

This specification governs the quality requirements of high conductivity copper wire, tinned / untinned in the annealed condition.

2.0 APPLICATION:

Used for general electrical engineering purpose.

3.0 CONDITION OF DELIVERY:

Annealed Tinned / Untinned.

The wire shall be supplied in coils or in straight length as specified in BHEL order.

4.0 COMPLIANCE WITH NATIONAL STANDARDS:

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

IS: 9567 - 2001 : Tin or Tin Lead Coated Copper Wire
Condition: Annealed.

5.0 MATERIALS AND CONSTRUCTIONS:**5.1 Material:**

The material shall be supplied to the dimensions specified in the purchase order. Standard sizes shall be taken from table of IS 9567.

5.2 Tolerances:

The finished coated wire diameter shall have a tolerance of +3% -1% on the nominal specified diameter. The preferred nominal diameters of the coated wire are as per Table 1 of IS 9567.

6.0 MANUFACTURE:

The material shall be manufactured from high conductivity annealed copper of ETP grade conforms to IS: 191.

The conductor shall be manufactured from ETP grade copper conforming to BHEL specification AA12024: Electrolytic Tough Pitch Copper Wire / Bars / Ingots / Continuously cast wire rods.

NOTE: It is preferable to manufacture conductor from continuously cast copper rods provided all other parameters and conditions remain same.

Whenever specified, tinning shall be done by electro - tinning process to a thickness of 3 microns approximately. The tinning material shall conform to grade Sn99.75 of IS: 26.

Revisions :

Cl 20.2.4 of MOM of MRC-NFCW+HE

APPROVED :

INTERPLANT MATERIAL RATIONALISATION
COMMITTEE-MRC (NFCW+HE)

Rev. No. 05

Amd.No.

Reaffirmed

Prepared
BHOPAL

Issued
Corp. R&D

Dt. of 1st Issue
September, 1989

Dt: 15.02.2006

Dt :

Year :

**6.1 Joints:**

The wire supplied shall be in continuous length and free from joints. If the joints are unavoidable, they shall be so made that the wires at the joints are identical in dimensions, softness and strength with the rest of the wire.

7.0 FREEDOM FROM DEFECTS:

The material shall be clean, bright, smooth, uniform in diameter and free from fins, spills, scaling blisters, cracks and other harmful defects.

The coating when called for shall be coated with a smooth, uniform layer of tin, free from deleterious impurities.

8.0 CHEMICAL COMPOSITION:

The analysis of copper when analysed in accordance with IS: 440 or any other conventional / instrumental methods shall be as follows:

| Element | %, min | %, max. |
|--|--------|---------|
| Copper & Silver | 99.90 | --- |
| Bismuth* | -- | 0.001 |
| Lead* | -- | 0.005 |
| Total of all impurities (Excluding silver & oxygen) | -- | 0.030 |

* These elements need not be determined when the material supplied conforms to mechanical and electrical properties specified in the specification. However, the supplier shall ensure that the composition of the material lies within the limits specified above.

9.0 TEST SAMPLES:

One sample per size per melt per consignment of 3 tones or part thereof shall be taken for chemical, mechanical and electrical tests.

The samples shall be cut off cold and shall receive no further treatment before being tested.

10.0 MECHANICAL PROPERTIES:**10.1 Measurement of Diameter:**

The measurement of coated wire diameter shall be made with an accuracy better than 0.001mm.

10.2 Elongation and Breaking Strength Test:

The test shall be carried out after the test specimens have been conditioned at a temperature of $25 \pm 2^\circ\text{C}$ for at least 10 hours. The test shall be started within 5 minutes after removing the specimens from the conditioning atmosphere.



When tested in accordance with clause 6.4.2 of IS 9567, the elongation & Breaking strength of the material shall be as per the table given below:

| Nominal Diameter of Coated Wire mm | Elongation, min percent | Breaking Strength min N/mm ² |
|--|----------------------------|---|
| Up to and including 0.25 | 10 | 200 |
| Above 0.25 and up to and including 0.5 | 15 | 200 |
| Above 0.5 | 20 | 200 |

10.3 Bend Test:

When tested as per clause 6.4.3 of IS: 9567 the wire shall satisfy the following conditions:

| Nominal Diameter (Coated), mm | No of Bends before Failure, min. |
|----------------------------------|-------------------------------------|
| 0.2 to 0.3 (both inclusive) | 4 |
| 0.4 to 0.5 (-do-) | 6 |
| 0.6 to 0.7 (-do-) | 8 |
| 0.8 to 1.2 (-do-) | 10 |
| 1.6 to 2.0 (-do-) | 12 |

10.4 Solderability Test:

The coated wire shall satisfy the requirements of solderability test when tested in accordance with IS 9000 (Part 18/Sec 1 to 3), both before and after accelerated ageing. Accelerated ageing shall be carried out as follows:

- The wire shall be subjected to dry heat for 16 hours at 155°C [see IS 9000 (Part 3 /Sec 1 to 5)], and
- On removal from the dry heat oven, the wire samples shall be allowed to cool to room temperature. They are then subjected to solderability testing.

10.4.1 If solder globule method is used, the coated wire shall satisfy the solderability requirements as given below:

| <u>Condition of Coated Wire</u> | <u>Soldering Time (Seconds), max</u> |
|---------------------------------|--------------------------------------|
| As received | 1.5 |
| After accelerated ageing | 2.5 |



10.4.2 The coated wire shall also satisfy the requirements of dewetting test in accordance with IS 9000 (Part 1B/Sec 1 to 3).

10.5 Continuity of Coating Test:

The coated wire shall meet the requirements of continuity of coating when tested by the hydrochloric acid - sodium polysulfide test described in Annexure C of IS: 9567.

10.6 Adherence of Coating Test

The wire shall meet the requirements of adherence of coating, when tested by the wrapping and immersion test described in Annexure D of IS 9567.

11. 0. ELECTRICAL RESISTIVITY (As received)

When measured in accordance with IS: 3635, the electrical resistivity at 20°C shall not be greater than 0.017241 ohm - mm² / meter, which is equivalent to an electrical conductivity of 100% minimum of IACS standard.

(Refer table 2 of IS 9567 for temperature correction factors.)

NOTE: Permitted increase in resistivity for tinned wire shall be 2% up to 1.0mm and 1% for 1.0mm diameter and above.

12.0 INSPECTION AT SUPPLIER'S WORKS:

Whenever specified tests and inspection are to be conducted in the presence of BHEL's representative. The supplier shall offer BHEL's representative all reasonable facilities, without charge to satisfy the latter that the material is being furnished in accordance with this specification. The supplier shall prepare and provide necessary test specimens for testing to be carried out at his premises. If facilities are not available at his works, the supplier shall make necessary arrangements for carrying out the prescribed test elsewhere. The supplier shall notify BHEL in advance about the readiness of the material for inspection and testing.

BHEL reserves the right to test the material at BHEL's works and the final acceptance of the material shall be based on these tests results.

13.0 TEST CERTIFICATES:

Unless otherwise specified on order, three copies of test certificates shall be supplied with each consignment.

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

The test certificate shall bear the following information:

AA 12029, Rev. No. 05 : Copper Wire - Annealed (Tinned / Untinned)

BHEL order No.

Manufacturer's / Supplier's Name

Lot / Identification / Batch / Melt No.

Sizes and quantity supplied

Results of dimensional inspection, Chemical analysis, Mechanical and electrical tests as per this specification.

AA 12029

Rev. No. 05

PAGE 5 OF 5

CORPORATE PURCHASING SPECIFICATION



14.0 PACKING AND MARKING:

Copper wire should be rolled over on wooden wheels and gross weight of each reel should not exceed 20kg. The wood shall be strong to take the load of wire to avoid damage during transit and shop handling.

Each package shall be legibly marked or labeled with the following information.

BHEL order No.

AA 12029: Copper Wire - Annealed (Tinned / Untinned)

Manufacturer's / Supplier's Name

Lot / Identification / Batch / Melt No.


Sizes and Quantity Supplied.

15.0 REFERRED STANDARD:

- (1) IS: 26 (2) IS: 191 (3) IS: 440 (4) IS: 3635 (5) IS: 9000
(6) IS: 9567 (7) AA 12024

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

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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**

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ORGANISATIONAL INFORMATION

2.0 GENERAL INFORMATION :

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

ADDRESS :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

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

2.3 DETAILS OF AUTHORISED SIGNATORY FOR SEEKING CLARIFICATION :

NAME :

DESIGNATION :

E - Mail :

TELEPHONE : Landline

Mobile

FAX :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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ORGANISATIONAL INFORMATION

3.0 OWNERSHIP INFORMATION : DOCUMENTS TO BE FURNISHED

3.1 GOVT. OF INDIA UNDERTAKING:

OR

STATE GOVT. UNDERTAKING :

OR

LIMITED COMPANY, :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

PRIVATE COMPANY :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

CO-OPERATIVE SOCIETY, :

SOCIETY RULES AND
BYE LAWS

OR

PARTNERSHIP FIRM, :

PARTNERSHIP DEED

OR

PROPRIETORSHIP, :

PROFESSION TAX REGN.
AND MUNICIPAL REGN.

ANY OTHER (SPECIFY) :

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

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

3.3 YEAR OF ESTABLISHMENT :

* 3.4 YEAR OF COMMENCEMENT OF BUSINESS :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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ORGANISATIONAL INFORMATION

4.0 REGISTRATION PARTICULARS

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

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

5.0 TOTAL ORGANISATIONAL STRENGTH : (ATTACH ORGANISATION CHART)

- | | GRADUATE | DIPLOMA | SKILLED | NON-SKILLED |
|--|----------|---------|---------|-------------|
| ENGINEERING : | | | | |
| MANUFACTURING : | | | | |
| QUALITY : | | | | |
| COMMERCIAL / 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
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ORGANISATIONAL INFORMATION

6.0 OTHER PARTICULARS :

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

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

6.1.1. BHEL UNIT'S NAME :

6.1.2. SUPPLIER REGN. CODE NO. :

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

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

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

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

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

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

* 6.7 R&D SET UP

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

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

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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

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7.0 MANUFACTURING FACILITIES:

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

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

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

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

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

IN CASE OF SPACE LIMITATION ENCLOSE ANNEXURE / CATALOGUE WITH TAG

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

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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| |
|-----------------------------------|
| 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

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| ORGANISATIONAL INFORMATION | | | | | |
|---|---|---|-------------------------|--------|----------|
| FINANCIAL INFORMATION FOR THE PREVIOUS FOUR YEARS | | | | | |
| 9.0 | Parameter | Year 1 | Year 2 | Year 3 | Year 4 |
| | | (Years in ascending order, Money value in Rs. Lakhs) | | | |
| * 9.1 | NET WORTH (Share Capital +Reserves) | | | | |
| | Growth over previous year (%) | ----- | | | |
| 9.2 | LONG TERM DEBT / LOAN | | | | |
| * 9.3 | DEBT EQUITY RATIO Long term Debt (9.2) Net worth (9.1) | | | | |
| 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 CA - INVENT. {9.5(1)-9.5(1)c} 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

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ORGANISATIONAL INFORMATION

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

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

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

Maximum Marks = 50

Negative Marks = -13

Minimum Qualifying marks = 30

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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

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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**

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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)

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FORM NO. SRF(I)01

Part C: TECHNICAL COMPETENCE

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

(i) COMMON TECHNICAL COMPETENCE

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

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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

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Part D: SCORE SHEET

2. FINANCIAL INFORMATION (for Manufacturers):

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

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Part D : SCORE SHEET

3. QUALITY SYSTEM :

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

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BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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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 | 50 | 30 | | Recommended : Permanent code /Development code/ Trial code Not recommended |
| | Financial Information | | | | |
| 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 | |

BHARAT HEAVY ELECTRICALS LIMITED , INDIA

ANNEXURE-VII

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

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- 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 PROVIDE DETAILS:

6.0 ANY OTHER INFORMATION:

7.0 LIST OF ENCLOSURES :

(BROCHURES, CATALOGUES, TECHNICAL LITERATURE ETC.)

Signature & Seal

AUTHORISED SIGNATORY

E – Mail

NAME :

TELEPHONE : (Landline):

DESIGNATION :

Mobile :

DATE :

BHEL CERTIFIED ASSESSOR

Annexure-VIII

PVC clause for indigenous vendor:-

For the purpose of evaluation the rates of M/s HCL for “Copper Cathode (Full)” for the month prior to enquiry date shall be considered. Proof of the same may also be enclosed.

The price variation for “Copper Wire Annealed Tinned/Untinned” shall be payable calculated based on the “Copper Cathode (Full)” rates for the month prior to the month of actual dispatch. In case there is any early/delay in supply of the annealed Tinned/Untinned copper wire by the supplier, lower of the rates (raw material rates) applicable for the month of the contractual delivery or actual delivery shall be applicable.

PVC clause for foreign vendor:-

For the purpose of evaluation the rates of LME CSP for “Copper” for the month prior to enquiry date shall be considered. Proof of the same may also be enclosed.

For the purpose of evaluation basic price (excluded fabrication cost) will be calculated as follows:-

Basic price = [(LME CSP price + premium) X Multiplication factor X Exchange rate] + Handling charges + Markup.

LME CSP price of Copper Cathode (Full) in USD one month prior to the date of enquiry.

Premium = 120 USD

Multiplication factor = 1.0585

Exchange rate = Exchange rate of SBI TT selling of the same day of LME price will be considered. In case of holiday, next day price will be considered.

Handling charges = 3000 Rs.

Markup = 0 Rs.

The price variation for “Copper Wire Annealed Tinned/Untinned” shall be payable calculated based on the LME CSP for “Copper” as per above mentioned formula for the month prior to the month of actual dispatch. In case there is any early/delay in supply of the “Copper Wire Annealed Tinned/Untinned” by the supplier, lower of the rates (raw material rates) applicable for the month of the contractual delivery or actual delivery shall be applicable.