

**BHARAT HEAVY ELECTRICALS LIMITED  
BHEL ESTATE OFFICE**

**BHEL- TOWNSHIP, SECTOR-17  
NOIDA- 201301**



**TENDER DOCUMENT**

**FOR**

**SUPPLY OF G.I. CHAIN LINK FENCE FABRIC  
IN BHEL TOWNSHIP, SECTOR-17, NOIDA.**

**NIT NO.-17:AA:NOI:ADMN.: Chain Link: 112:2011-12  
Dated :06/01/2012**

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<b>Last date for Submission: 25/01/2012 at 1500</b>
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भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
**Bharat Heavy Electricals Ltd.**

सम्पदा कार्यालय, सेक्टर-17, नोएडा-201 301 (यू0पी0) भारत  
BHEL Township : Estate Office, Sector-17, Noida-201 301 (UP) INDIA  
फोन (का0)2515429, 2517488 फैक्स: 2510271 Tel : 2515429, 2517488 (Fax) 2510271

**NOTICE FOR INVITING OPEN TENDER**

Sealed tenders are invited in two parts bid for the supplying of following items in BHEL Township, Sector-17, Noida.

**Title** : Supply of G.I. Chain Link Fence Fabric in BHEL Township, Sector-17, Noida.

**NIT NO.** : 17:AA:NOI:ADMN.: Chain Link: 112:2011-12  
Dated: 06/01/2012

**Delivery** : In three lots ( Total Qty. -70,000 Sq.Ft.) as per following schedule:  
First Lot - 20,000 Sq. Ft. - Within 15 days from the date of PO.  
Second Lot- 25,000 Sq.Ft.-On completion of two months from the date of PO  
Third Lot - 25,000 Sq.Ft.- On completion of four months from the date of PO

**DATE OF SUBMISSION & OPENING OF TENDER**

**Last date for submission of sealed tender at** : 25/01/2012 at 1500 Hrs.  
**Estate Office, BHEL Township, Sector-17, Noida**

**Date of opening the Tender (Techno- commercial Bid)** : 25/01/2012 at 1530 Hrs.

**Venue for opening of Tender** : Estate Office, BHEL  
Township, Sector-17,  
Noida

The sealed tender may be sent either by registered post or by hand in the office of Dy. Manager (HR-TAX), Estate Office, Sector – 17, NOIDA – 201301(U.P.) between 9.00 AM to 5.30 PM on any working day till the due date and time. This tender document can also be downloaded from the web site.

(Farrukh Jamal)  
Dy. Manager (HR-TAX)  
On behalf of “BHEL”

## **PART ‘A’ – TECHNO- COMMERCIAL BID**

### **INSTRUCTIONS FOR TENDERER:**

1. The offer shall be submitted as per the instructions of tender document. Only one set of tender document duly signed by authorized representative of tenderer and signed & stamped on each page shall be submitted as detailed further. Tenderer should note specifically that all pages of tender document, including the NIT page for this particular tender shall be submitted by them (after signing/ stamping on each page) as a part of their offer. Price shall not be mentioned by them anywhere in the techno-commercial portion of offer. Price shall be mentioned in the relevant price bid only and submitted in separate sealed envelope. In case of any clarification, bidder may contact this office.
2. No overwriting / correction in tender documents by tenderer shall be allowed. However if correction is unavoidable, the same must be signed by authorized signatory.
3. Tender must be submitted in two parts, i.e., (i) Techno-Commercial Bid along with un-price bid and (ii) Price Bid. The tenderer must submit their tenders in two separate sealed envelopes prominently super scribed as Part – A ‘Techno- commercial bid’ and Part-B ‘Price Bid’, and the NIT No. & due date on each of the envelope. These two separate envelopes shall together be kept in third envelop super scribed with NIT No. & due date of opening.
4. Techno-commercial bid should contain all the documents like, signed tender document having NIT page, Instructions for tenderer, technical requirement, General terms & conditions, un-price bid, all the annexure duly filled & signed by the tenderer.
5. Price Bid should contain only the “Part-B, Price Bid Format” after quoting the rates as specified in the price bid format.
6. Rates must be quoted in figures as well as in words.
7. On the date of opening of tender, only Techno-Commercial Bid shall be opened. Price bids of only those tenderers, whose bids are found technically acceptable, will be opened. The opening date for price bid will be informed to the technically qualified tenderers separately by phone, post or e-mail.
8. Tender documents are also available on web site i.e. [www.bhel.com](http://www.bhel.com) and the same can be downloaded and used as tender document for submitting the bid.
9. BHEL reserves the right to accept or reject any or all offer without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter.
10. In case any typing error/other clerical errors is noticed by the tenderer, in the tender documents, the same must be pointed out and got clarified before submission of offer, or else, BHEL’s interpretation shall prevail & shall be binding on the tenderer.
11. Any queries regarding this tender may be clarified from Dy. Manager (HR-TAX), on Mobil No. - 9958253366 / e-mail : [farrukh@bhel.in](mailto:farrukh@bhel.in)
12. The tenderers or their representative may attend the opening of both the Bids (Part A & B).
13. In case you are not submitting your offer against this enquiry, we request you to send a regret letter.

### **PRE- QUALIFYING REQUIREMENT:**

Each tender shall be accompanied by the following information/ documents with sufficient details to enable the purchaser to make an appraisal of the quality and suitability of the material offered.

1. Acceptance to supply the materials as per the technical specification enclosed with the tender document by signing the documents.
2. Bidder should have VAT & TIN No. The copy of certificates in proof of same must be submitted.
3. Manufacturer's literature, brochures, catalogues etc.
4. Declaration certificate as enclosed at annexure-B
5. No deviation certificate as enclosed at annexure-C

### **THECHNICAL SPECIFICATIONS:**

- 1) **MATERIAL:** The mesh wire and the line wire of the fabric shall be manufactured from galvanized steel wire conforming to IS: 280, having a tensile strength within the range of 400 to 550 MPa.
- 2) **TYPE OF SELVAGE:** The selvage shall be one end of the fabric knuckled and the other end twisted.
- 3) **MESH SIZE:** The mesh size shall be 50 mm X 50 mm with tolerance  $\pm 4$  mm. The mesh size shall be determined by measuring the minimum clear distance between the wires forming the parallel sizes of the mesh when measured in normal stretched condition.
- 4) **WIDTH:** The fabric shall be supplied in widths of 1.20 m (4 Ft) with the tolerance of  $\pm 35$  mm. The width of fabric shall be the overall dimension from one extreme line wire to other extreme line wire and shall be checked in fully stretched condition.
- 5) **LENGTH:** The fabric shall be supplied in rolls of 15.0 m to 20.0 m. The supplied length shall not be less than the above values when measured in fully stretched condition.
- 6) **WIRE DIA:** Nominal dia of mesh wire shall be 2.5 mm and for line wire 3.15 mm. Tolerances permitted on the diameter of mesh and line wire shall be as given in IS: 280.
- 7) **WORKMANSHIP AND FINISH:** Each roll shall be warranted to contain no weld joint or splice whatsoever. The wire shall be circular and shall be free from scales, irregularities, imperfections, flaws, sand splits and other defects. The zinc coating shall be smooth, even and bright. The rust formation on the cut ends of the wire at the fabric selvages are inherent characteristics of this material and do not warrant rejection of the fabric.
- 8) **LINE WIRE:** The fabric shall be provided with heavily coated galvanized line wires to act as additional selvage to strengthen the fabric when used for fencing purposes. The line wire may be supplied separately in coils/bundles to be used for fencing purposes. The line wires are required to be inserted after erecting the fabric with straining posts. Two numbers of line wires to be provided one each at top and bottom of the fabric.
- 9) **GALVANIZING:** The chain link fence fabric shall have zinc coating of type 'heavy' as given in IS 4826 or in IS 12753.
- 10) **TESTS ON WIRES OF FABRIC:**
  - a) **Temile Test:** The tensile strength of mesh and line wire when tested in accordance with IS:1608 shall be within the range of 400 to 550 MPa.
  - b) **Wrapping Test:** The mesh and line wires shall be subjected to wrapping test in accordance with IS:1755. The wires shall not break or split when wrapped eight times round its own diameter and subsequently straightened.
  - c) **Twist Test:** The mesh and line wires on a length equal to 100 diameters between vices, shall withstand not less than 18 twists (see IS 1717).

- 11) **GALVANIZING TEST ON COMPLETE FABRIC:** The line wire shall meet the requirements as laid down for heavy coating of IS:4826 or IS:12753. The mesh wire shall meet the requirement as laid down in IS:4826 or IS:12753 providing up to 10 percent less than the minimum mass of zinc coating specified and to withstand one dip of half-minute duration less than that specified. The specimens shall include straight sections and shall not include either twists or knuckles.
- 12) **PACKING:** Each bundle/roll of fabric shall be suitably bound and fastened compactly.
- 13) **MARKING:** Each roll shall be provided with a metal or cloth label bearing the following information:
- a) Manufacturer's name and/or trade-mark,
  - b) Lot number and roll number,
  - c) Mesh size and diameter of line and mesh wires,
  - d) Length and width of the fabric.
- 14) **BIS CERTIFICATION MARKING:** Each roll may also be marked with the Standard Mark. The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made there under. The details of conditions under which a license for use of the Standard Mark may be granted to the manufacturers or the producers may be obtained from the Bureau of Indian Standards.

**GENERAL TERMS AND CONDITIONS:**

1. The NIT No. & due date must be legibly super scribed on the envelopes.
2. The quoted rate should be inclusive of all taxes, duties and F.O.R. BHEL Township Store Sector-17, Noida.
3. The criteria of evaluation of bids will be on the basis of overall L1 rates. However, BHEL shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
4. Late tenders or delayed Tenders (received after Due Date & time) will be rejected.
5. Price quoted shall be valid for **90 days** from the date of opening of technical bid.
6. Price shall be quoted as per enclosed 'Price Format' only. Quotations not filled in Price Format' are likely to be rejected.
7. The rate should be indicated both in words and figures. All entries in the Tenders must be written in ink or typewritten. Over-writing should be avoided. Corrections, if any, should be attested with signature by the bidder.
8. Rates quoted by the vendor will be firm. No price variation and escalation due to increase in labour / material cost will be allowed.
9. If any information/documents submitted by the contractor are found false/fake at any stage, the tender will be cancelled.
10. **CORRECTION OF ARITHMETIC ERRORS:** Provided that the bid is substantially responsive, BHEL shall correct arithmetical errors on the following basis:
  1. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the BHEL there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected.
  2. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
  3. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
  4. If any bidder does not accept the correction of errors, their bids will be disqualified.

11. **INSPECTION:** The inspection of materials will be carried out at the destination/ BHEL's works by the authorized inspecting Officer.
12. **REJECTION:** In case of rejection of materials either full or in part, no payment will be made for the rejected materials. It will be the responsibility of vendor to dispose off the rejected materials at its own cost from BHEL's works within one month after rejection of materials. After the expiry of one month no claim/ correspondence will be entertained for the rejected materials.
13. **TERMS OF PAYMENT:** Payment will normally be made within 15 days of receipt of materials & bill by NEFT or cheque. All payment will be subject to deduction of taxes at source as per applicable rules. No advance payment shall be made by BHEL. **The party will submit the bank details along with the cancelled cheque for NEFT.**
14. **L.D. FOR DELAY IN SUPPLY:** In case the materials are not supplied as per the delivery schedule, a penalty of 1/2% per week delay subject to maximum of 10% of the total order value will be deducted as L.D. The extension of time for supply of materials may be granted by BHEL where delay is not attributable to the party.
15. **RISK PURCHASE:** In the event the supplier has failed to deliver or dispatch whole of the materials or any part within the time stipulated or if the same were not available in his stock, the best and the nearest available substitute thereof may be purchased/arranged by BHEL from elsewhere at the risk and the cost of the vendor. The purchaser at his option will be entitled to terminate the contract and vendor shall be liable for any loss which the BHEL may sustain by reason of such risk purchases.
16. **GUARANTEE/ WARRANTY:** The vendor shall give guarantee for at least 12 months from the date of actual delivery. During this period, if any defect is found due to bad workmanship or wrong material used, the vendor shall replace the same, free of cost
17. **TEST CERTIFICATES:** The test certificate as per IS:2721:2003 shall be submitted by the vendor along with the supply.
18. **INSURANCE:** The vendor will insure the materials for all transit risks upto supply of the materials at the final destination at its own cost.
19. **RECOVERY FROM THE VENDOR:** Whenever under the contract, any sum of money shall be recoverable from or payable by the vendor, the same may be deducted from any sum then due or which at any time there after may become due to the contractor under the contract or under any other contract with BHEL or from his security deposit, or he shall pay the claim on demand without any terms & conditions.
20. **POST TECHNICAL AUDIT OF SUPPLY AND BILLS:** BHEL reserves the right to carry out a post payment audit and technical examination of the supply and the bills including all supporting vouchers, abstracts etc. and to enforce recovery of any sums becoming due as a result thereof in the manner provided into the proceeding sub-paragraph provided however, that no such recovery shall be enforced after three years of passing the final bill.
21. **ARBITRATION / CONCILIATION:** In the event of any dispute arising between the parties hereafter referred as BHEL and contractor in respect of or connected with this contract, General & Special terms & conditions of tender, then the same shall be referred to Arbitration and arbitrator will be nominated by the Head of Administration of BHEL Corp. Office, New Delhi, whose decision shall be final and binding on both the parties. However, any differences or doubt pertaining to meaning/ interpretation of any phrase word used in terms or in the schedule of services, their nature and manner of rendering of such services shall be the excepted matter and be referred to the Head of Administration of BHEL Corp. Office, New Delhi, whose decision shall be the final and binding. The provisions of Arbitration and Conciliation Act, 1996 or any statutory modification and re-enactment thereof will apply to such arbitration provided however, in all matters the venue of proceedings will be Delhi and only Delhi or appropriate Courts will have jurisdiction over the same.

## UNPRICE BID

**Title** : Supply of G.I. Chain Link Fence Fabric in BHEL Township, Sec-17, Noida.

**NIT NO.** : 17:AA:NOI:ADMN.: Chain Link: 112:2011-12 **Dated: 06/01/2012**

**Delivery** : In three lots ( Total Qty. -70,000 Sq.Ft.) as per following schedule:  
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Second Lot- 25,000 Sq.Ft.-On completion of two months from the date of PO  
Third Lot - 25,000 Sq.Ft.- On completion of four months from the date of PO

[illegible]

I/ we have gone through all the instructions, Pre-qualifying requirement, technical specifications of material & all the General terms & Conditions enclosed with this tender document and agree to abide by these.

( Engineer Incharge)

(Signature & seal of the bidder)

**DECLARATION**

I / We hereby declare that no case is pending with the police/ court against the bidder/ firm/ company (Agency). Also I /We have not been suspended / blacklisted by any PSU / Government Department / Financial Institution / Court etc.

**(Signature & seal of the bidder)**

Place:

Date:



**ESTATE OFFICE: BHEL TOWNSHIP: NOIDA**

NIT No. 17: AA:NOI:ADMN.: Chain Link:112:2011-12

Date: 06.01.2012

**No Deviation Certificate**

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this tender. We hereby undertake and confirm that we have understood the specifications properly and shall be supplied the material mentioned in this tender enquiry.

**(Signature & seal of the bidder)**

## PART 'B' – PRICE BID

**Title** : Supply of G.I. Chain Link Fence Fabric in BHEL Township, Sec-17, Noida.

**NIT NO.** : 17:AA:NOI:ADMN.: Chain Link: 112:2011-12 **Dated: 06/01/2012**

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SL. No.	Description of Material	Qty/ unit	Rate in Figure (Rs)	Rate in Words (Rs)	Amount (Rs)
1	Galvanized Steel (G.I.) chain link fence fabric including two line wires ( at top & bottom), ISI marked, conforming to IS:2721:2003, as per following specification: Mesh Size - 50 x 50 mm $\pm$ 4 mm Nominal dia of Mesh Wire – 2.5 mm Width of Mesh- 1.2 m ( 4 Ft.) Dia of line wire – 3.15 mm Type of Selvage- One end of fabric knuckled and other end twisted. Length of fabric in a roll- 15 m to 20 m.	70,000.00 Sq.Ft.			
Total (Rs)					
E.D. ( .....% on Ex Works) (Rs)					
CST/ VAT (.....% against form 'C') (Rs)					
Any other tax like Statutory Duty/ Toll Tax/ State Entry Tax,/Levies/ Octroi (.....) (Rs)					
Freight/ Cartage (Rs)					
Gross Total Amount (Rs)					
<b>Total in Words: Rupees</b>					

I/ we have gone through all the instructions, Pre-qualifying requirement, technical specifications of material & all the General terms & Conditions enclosed with this tender document and agree to abide by these.

( Engineer Incharge)

(Signature & seal of the bidder)