

**BHARAT HEAVY ELECTRICALS LIMITED
BHEL ESTATE OFFICE**

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



TENDER DOCUMENT

FOR

**PROCUREMENT OF SINGLE CORE FLEXIBLE COPPER CABLES
IN BHEL TOWNSHIP, SECTOR-17, NOIDA.**

**NIT NO.-03:AA:NOI:ADMN.: Cables:112:2012-13
Dated : 24/04/2012**

CONTENTS

1. Notice Inviting Open Tender
2. Techno commercial Bid – Part -A
3. Price Bid – Part B

Last date for Submission : 16/05/2012 at 1500



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Ltd.

सम्पदा कार्यालय, सेक्टर -१७, नोएडा – २०१ ३०१ (यू.पी.), भारत

BHEL Township : Estate Office, Sector-17, Noida-201 301 (UP) INDIA

फोन (का.) 2515429, 2517488 फैक्स- 2510271 Tel : 2515429, 2517488 (Fax) 2510271

NOTICE FOR INVITING OPEN TENDER

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

Title : Procurement of Single core flexible copper Cables in BHEL Township Sector-17, Noida.

NIT NO. : 03:AA:NOI:ADMN.:Cables:112:2012-13
Dated: 24/04/2012

Delivery schedule : In two lots
First Lot – 50% quantity of each item within One Month from the date of PO.
Second Lot – Remaining 50% quantity after 6 months from the date of PO

DATE OF SUBMISSION & OPENING OF TENDER

Last date for submission of sealed tender at : 16/05/2012 at 1500 Hrs.
Estate Office, BHEL Township, Sector-17, Noida

Date of opening the Tender (Techno- commercial Bid) : 16/05/2012 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 sites (www.bhel.com & <http://eprocure.gov.in/cpp/>).

(Farrukh Jamal)

Dy. Manager (HR-TAX)

On behalf of “BHEL”

PART 'A' – TECHNO- COMMERCIAL BID

A. 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 (Part-A) should contain all the documents like, signed tender document having NIT page, Instructions for tenderer, technical specifications, 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 (Part-A) shall be opened.
8. BHEL may finalize successful tenderer by either **opening of sealed price bid** or conducting **online Reverse Auction**. Date of opening of sealed Price Bid / conducting of online Reverse Auction will be intimated, by post or e-mail separately to the Tenderers who qualify in the Techno-Commercial bid
9. Opening of Price bids/ Reverse Auction will be done for the offers of only those tenderers, whose bids are found technically acceptable.
10. Tender documents are also available on BHEL web site i.e. www.bhel.com and on CPP portal (<http://eprocure.gov.in/cppp/>) and the same can be downloaded and used as tender document for submission of bids.
11. 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.
12. 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.
13. Any queries regarding this tender may be clarified from Dy. Manager (HR-TAX), on Mobil No. - 9958253366 / e-mail : farrukh@bhel.in
14. The tenderers or their representative may attend the opening of both the Bids (Part A & B).
15. In case you are not submitting your offer against this enquiry, we request you to send a regret letter.

B. PRE-QUALIFYING REQUIREMENT:

Each tender shall be accompanied by the following information/ documents with sufficient details to enable BHEL 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. Type test certificates and results as per relevant Indian standards for the materials offered shall be furnished by the tenderer along with the tender. The type test certificates shall be from a Govt. recognized laboratory or from the tenderer's own laboratory.
3. Manufacturer's literature, brochures, catalogues etc.
4. Declaration certificate as enclosed at annexure-D
5. No deviation certificate as enclosed at annexure-E

C. TECHNICAL SPECIFICATION OF POWER CABLES.

1) **GENERAL**

1. Single core unsheathed flexible copper cables shall be used for internal wiring purpose.
2. The Copper wires used for manufacturing the cables shall be true circular in shape before stranding and shall be uniformly good quality, free from defects.
3. The insulation shall be suitable for the operating temperature of the cable.
4. Progressive sequential marking of the length of cable in metres at every one metre shall be provided on the outer of all cables.
5. All the cables shall pass fire resistance test as per IS:694 & its referred standards.
6. The normal current rating of all PVC insulated cables shall be as per IS: 3961.
7. Repaired cables shall not be accepted.
8. The Copper cable should be as per IS:694/1990 (Generally conforming).

- 2) **DATA SHEET FOR CABLES:** The Single core unsheathed flexible copper cables shall be as per following specification.

Sl. No.	Description	Type of Cable
		Single core unsheathed flexible copper cables of size 1sq.mm, 1.5sq.mm, 2.5sq.mm,4sq.mm & 6sq.mm
1	Applicable Standard	IS: 694 & its referred standards
3	Rated Voltage (volts)	1100
4	Type & Category	FR-LS
6	Conductor	
	a) Material	Flexible Copper as per IS : 8130
	b) Grade	As per IS:8130 & its referred standards
	c) Number of wires(No.)	As per IS:8130
	d) Form of Conductor	Bunched
7	Insulation	
	a) Composition of insulation	PVC type A as per IS: 5831 Extruded PVC type A as per IS-5831
	b) Thickness of insulation(mm)	As IS:694 of latest revision
11	Overall diameter of cable	As per IS:694 of latest revision.

3) **PACKING AND MARKING:**

1. Cables shall be supplied in standard length of 90 mtrs/ 180 mtrs roll.
2. The following particulars shall be properly legible embossed on the cable sheath at the intervals of not exceeding one meter throughout the length of the cable. The cables with poor and illegible embossing shall be liable for rejection.
 - i) Manufactures name.
 - ii) Voltage grade.
 - iii) Year of manufacture.
 - iv) Successive Length.
 - v) Size of cable
 - vi) ISI mark.
3. The cable shall be packed on a suitable size of cover. The cable cover shall carry the following information.
 - i) Manufacturers name.
 - ii) Type of cable and voltage grade.
 - iii) Nominal cross sectional area of the conductor.
 - iv) Length of cable.
 - v) Color of cable..
 - vi) Year of manufacture.

D. 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. Late tenders or delayed Tenders (received after Due Date & time) will be rejected.
4. Price quoted shall be valid for **90 days** from the date of opening of techno-commercial bid.
5. Price shall be quoted as per enclosed 'Price Format' only. Quotations not filled in Price Format' are likely to be rejected.
6. 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.
7. **EVALUATION CRITERIA:** The criteria of evaluation of techno-commercial bids will be on the basis of documents submitted by the bidders. BHEL may finalize successful tenderer by either **opening of sealed price bid** or conducting **online Reverse Auction**. Date of opening of sealed Price Bid / conducting of online Reverse Auction will be intimated, by post or e-mail separately to the Tenderers who qualify in the Techno-Commercial bid. The decision of BHEL will be final in this regard. In case of opening of Price Bid, the order will be placed on over all L-1 bidder. Evaluation of bid will be on total cost to 'BHEL'.
8. The rates quoted by the vendor shall 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. **QUANTITY VARIATION:** Quantity may vary $\pm 20\%$ in each item of each individual lot and $\pm 10\%$ in over all order value. However the quantity of any item may be reduced up to any extend as per the decision of BHEL.
13. **DELIVERY SCHEDULE:** All the materials shall be delivered in two lots. The first lot consisting 50% quantity (aprox.) of each items shall be delivered within 30 days from the date of placement of Purchase Order. The remaining 50% quantity (aprox.) of each item shall be delivered within 15 days after the expiry of six months from the date of placement of order.
14. **TERMS OF PAYMENT:** Payment will normally be made within 15 days of receipt of materials & the bill by NEFT/ RTGS . 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/RTGS.**
15. **L.D. FOR DELAY IN SUPPLY:** In case any lot of the material is not supplied as per the delivery schedule, a penalty of 1/2% of value of undelivered portion, per week of delay or part thereof subject to maximum of 10% of the total order value will be deducted as L.D. However the extension of time for supply of a lot of material may be granted by BHEL where delay is not attributable to the vendor.
16. **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.
17. **TEST CERTIFICATES:** The materials shall be supplied as per the Type Test Certificate submitted by the vendor and approved by BHEL. The vendor shall submit a test certificate of the cables along with delivery of each lot of material. BHEL shall reserve the rights to test the material supplied by vendor to check the test results.
18. **GUARANTEE CERTIFICATE:** The vendor shall submit a guarantee certificate that if the actual test results are not conforming to the Test Certificates submitted along with any particular lot of material, the full lot of material shall be rejected by BHEL.
19. **GUARANTEE/ WARRANTY:** The vendor shall give guarantee for at least 24 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 or repair the same, free of cost.
20. **REJECTION:** In case of rejection of materials, 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 entertain for the rejected materials
21. **INSURANCE:** The vendor will insure the materials for all transit risks upto supply of the materials at the final destination at its own cost.
22. **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 thereafter 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.

23. **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.
24. **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 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.

(Farrukh Jamal)

Dy. Manager (HR-TAX)

On behalf of "BHEL"

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.: 03: AA:NOI:ADMN.:Cables:112:2012-13

Date: 24.04.2012

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 : Procurement of Single core flexible copper Cables in BHEL Township Sector-17, Noida

NIT NO. : 03:AA:NOI:ADMN.:Cables:112:2012-13
Dated: 24/04/2012

Delivery Schedule : In two lots

First Lot – 50% quantity of (aprox.)each item within One Month from the date of PO.
Second Lot – Remaining 50% quantity (aprox.) within 15 days after expiry of 6 months from the date of PO.

SL. No.	Description of Materials	Unit	Qty	Rate in words (Rs)	Rate in Figure (Rs)	Amount (Rs)
1	1.0 Sq.mm PVC Insulated Single core, unsheathed flexible copper cables (conductor), FR-LS, 1100 V Grade, ISI Marked conforming to IS:694 of latest revision, in 90 Mtr Rolls	Mtrs	2700			
2	1.5 Sq.mm PVC Insulated Single core, unsheathed flexible copper cables (conductor), FR-LS, 1100 V Grade, ISI Marked conforming to IS:694 of latest revision, in 90 Mtr Rolls	Mtrs	4590			
3	2.5 Sq.mm PVC Insulated Single core, unsheathed flexible copper cables (conductor), FR-LS, 1100 V Grade, ISI Marked conforming to IS:694 of latest revision, in 90 Mtr Rolls	Mtrs	4590			
4	4.0 Sq.mm PVC Insulated Single core, unsheathed flexible copper cables (conductor), FR-LS, 1100 V Grade, ISI Marked conforming to IS:694 of latest revision, in 180 Mtr Rolls	Mtrs	3780			
5	6.0 Sq.mm PVC Insulated Single core, unsheathed flexible copper cables (conductor), FR-LS, 1100 V Grade, ISI Marked conforming to IS:694 of latest revision, in 180 Mtr Rolls	Mtrs	9180			
Total (Rs)						
E.D. (.....% on Ex Works) (Rs)						
CST/ VAT (.....% against form 'C') (Rs)						
Freight/ Cartage(Rs)						
Gross Total Amount (Rs)						
Total in Words: Rupees						

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

(Engineer Incharge)

(Signature & seal of the bidder)