



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

### ENQUIRY

### NOTICE INVITING TENDER

Phone: +91 431 257 7653  
Email : [skaruna@bheltry.co.in](mailto:skaruna@bheltry.co.in)  
[spsy@bheltry.co.in](mailto:spsy@bheltry.co.in)  
[kmk@bheltry.co.in](mailto:kmk@bheltry.co.in)  
Web : [www.bhel.com](http://www.bhel.com)

### TWO PART BID

Tender to be submitted in two Parts

Enquiry  
Number:

2621700002

Enquiry  
Date:

15.11.2017

Due date for submission  
of quotation:

09.12.2017

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

| Item | Description                                                                                                                                                                                                                                                                                                                                    | Quantity       |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 10   | 11kV, 3C X 300 Sqmm XLPE Insulated PVC Inner / Outer Sheathed Aluminium Armoured Power Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="https://eprocure.gov.in/epublish/app">https://eprocure.gov.in/epublish/app</a> ) | 3,500.00 Mtrs. |

### Important points to be taken care during submission of offer

1. Delivery required 2 months from the date of purchase order.
2. EMD for this Tender will be ( INR ) : 1,00,000.00
3. Compliance Form No: TRY/IND/06 to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
4. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM / CE / GENL / 001-EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <https://eprocure.gov.in/epublish/app> under above Enquiry reference.

Tenders should reach us before 14:00 hours on the due date  
Tenders will be opened at 14:30 hours on the due date  
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,  
For BHARAT HEAVY ELECTRICALS LIMITED

  
Manager / Capital Equipment / MM

**Annexure I- Part - A**  
**QUALIFICATION CRITERIA**  
**Supply of HT 11kV 3Cx300 Sqmm XLPE cable**

| S.No | Description                                                                                                                                                                                                           | Vendor to confirm |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1    | The bidder shall be OEM or OEM authorized delater for the supply of 11kV 3Cx300Sqmm. Incase of authorized dealer, authorization certificate from OEM shall be enclosed with the offer.                                |                   |
| 2    | The vendor should submit following details which are necessary for qualifying their offer.                                                                                                                            |                   |
| 2.1  | CPRI type test certificates for 11KV XLPE cables.                                                                                                                                                                     |                   |
| 2.2  | List of customers for whom similar kind of cables are supplied along with the address                                                                                                                                 |                   |
| 2.3  | Along with Technical offer, the Vendor should submit performance certificate from minimum one customer for the satisfactory performance of the same, supplied to them in the customers letter head along with the PO. |                   |

# Annexure-I Part-B

## TECHNICAL SPECIFICATIONS FOR THE 11kV, 3Cx 300 Sqmm XLPE CABLE

| Sl.No. | Description                                                                                                                                                      | Vendor to confirm | Deviation (if any) |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
|        | Supply of 3,500 meter High Voltage, 11 KV- XLPE insulated PVC inner / outer sheathed Aluminium armoured Power Cable conforming to the specification given below. |                   |                    |
| 1      | <b>High Voltage Power Cable :</b>                                                                                                                                |                   |                    |
| 1.1    | Normal area of conductor:<br>300 sq.mm                                                                                                                           |                   |                    |
| 1.2    | Number of cores:<br>3core                                                                                                                                        |                   |                    |
| 1.3    | Voltage Rating:<br>11KV, 50Hz. A.C.                                                                                                                              |                   |                    |
| 1.4    | Type of system:<br>unearthed                                                                                                                                     |                   |                    |
| 1.5    | <b>Conductor:</b>                                                                                                                                                |                   |                    |
| 1.5.1  | Material:<br>Strandard circular Aluminium conductor as per IS:8130-1984                                                                                          |                   |                    |
| 1.5.2  | Conductor Screen Material:<br>Non- metallic semiconducting tape or extruded semiconducting material.                                                             |                   |                    |
| 1.5.3  | Min number of Strands: 30                                                                                                                                        |                   |                    |
| 1.6    | <b>Insulation:</b>                                                                                                                                               |                   |                    |
| 1.6.1  | Material & Type:<br>XLPE as per IS:7098-Part-2 of 1985.                                                                                                          |                   |                    |
| 1.6.2  | Nominal thickness of Insulation in mm: 5.5                                                                                                                       |                   |                    |
| 1.6.3  | Core Identification:<br>Coloured strips applied on the core.                                                                                                     |                   |                    |
| 1.6.4  | Insulation Screen:<br>Extruded semiconducting material.                                                                                                          |                   |                    |
| 1.6.5  | Metallic Copper Tape                                                                                                                                             |                   |                    |
| 1.7    | <b>Innersheath:</b>                                                                                                                                              |                   |                    |
| 1.7.1  | Material:<br>Extruded PVC type ST-2 as per IS:5381                                                                                                               |                   |                    |
| 1.7.2  | Nominal thickness of inner sheath in mm.:<br>0.7mm                                                                                                               |                   |                    |
| 1.8    | <b>Armour :</b>                                                                                                                                                  |                   |                    |
| 1.8.1  | Material:<br>Galavanished steel flat strip as per IS: 3975                                                                                                       |                   |                    |
| 1.8.2  | Nominal strip size in mm:<br>4X 0.8                                                                                                                              |                   |                    |

| Sl.No. | Description                                                                                                                                                                  | Vendor to confirm | Deviation (if any) |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| 1.9    | <b>Outersheath:</b>                                                                                                                                                          |                   |                    |
| 1.9.1  | Material:<br>PVC compound type -ST2 of IS: 5831/1984                                                                                                                         |                   |                    |
| 1.9.2  | Minimum thickness in mm:<br>3.0 mm (Min.)                                                                                                                                    |                   |                    |
| 1.10   | Conformance to Indian Standard Specification:<br>IS:7098(Part-2)-1985                                                                                                        |                   |                    |
| 2      | Technical leaflet of the cable indicating the approx diameter, weight, thickness of insulation / sheathing / armour wire, current rating etc. to be enclosed with the offer. |                   |                    |
| 3      | <b>General Features of the H V Cable:</b>                                                                                                                                    |                   |                    |
| 3.1    | Cable shall have the manufacturer name embossed / printed / indented on the outer sheath at regular intervals.                                                               |                   |                    |
| 3.2    | Cable shall have voltage grade, cable size embossed on the outer sheath.                                                                                                     |                   |                    |
| 3.3    | Routine tests shall be conducted on the cables as per IS and test certificate shall be produced against supply.                                                              |                   |                    |
| 3.4    | Make of the cable:<br>RPG, Polycab, KEI, Paramount, Radiant, Delton, Gloster, Nicco, Universal, Mansfield, Suraj, Crystal or equivalent make acceptable to BHEL              |                   |                    |
| 3.5    | Cable length shall be 500 Meters per drum. The drum shall be made of iron (metal type).                                                                                      |                   |                    |
| 3.6    | Tolerance on cable length:<br>a. Lower side: 0% over 500 M<br>b. Higher side: 5% over 500 M                                                                                  |                   |                    |
| 4      | <b>Note:</b><br>Point to point confirmation is required from the supplier for technical suitability, otherwise the offer will not be considered.                             |                   |                    |