

**PRASAR BHARATI**  
(BROADCASTING CORPORATION OF INDIA)  
**BROADCASTING HOUSE: ALL INDIA RADIO**  
**NEW DELHI- 110001**

NO.DEL-1(2)/NBH/Feeder Cable /2011-12-E

24  
DATED: 16.08.2011

**Subject: Supply of Coaxial Cable for STL and N-type end connectors (M/F) at Broadcasting House, All India Radio, New Delhi- 110001**

AIR intends to award **Supply of Coaxial Cable for STL and N-type end connectors (M/F)** for BH, as per the enclosed specifications/conditions mentioned in Annexure-I & II.

You may submit your most competitive offer along with the Bid Security Deposit of Rs. 10,000/- (Ten thousand only) by way of account payee Demand Draft / Banker's cheque from any of the commercial banks in an acceptable form, payable in favour of DDO, All India Radio, Delhi payable at New Delhi to reach this office **latest by 07.09.2011 before 3.00 pm**. Your offer shall be valid for 90 days from the date of price bid opening for placement of order.

**PROCEDURE FOR SUBMISSION OF SEALED TENDERS:**

The tenderers must submit their tenders as required in two parts in separate sealed covers prominently super-scribed as Part-I/ Technical Bid and Part-II/ Price Bid, also indicating on each of the cover, tender no. and date and time as mentioned above.

**BID SECURITY (BS)(COVER-I)**- Bid Security of Rs.10,000/- as mentioned above shall be placed in Cover-I. BS furnished by all unsuccessful tenderers shall be refunded normally within one week of acceptance of award of work by successful tenderer. BS shall not carry any interest. BS by the tenderer will be forfeited if the tenderer revokes his tender within the validity period or increases his earlier quoted rates or the tenderer does not commence the work within 15 days after award of the order.

**TECHNICAL BID (COVER-II)** : All technical details for the scope of work, the complete details regarding essential qualifications as asked for under qualifying requirements, deviations if any etc. shall be enclosed in Part-I/Technical Bid along with the copy of tender specifications and with other annexure duly signed and stamped as a token of acceptance of tender condition.

**PRICE BID (COVER-III)**: Tenderers may please note that the prices shall be submitted as per NBH, AIR Price Format enclosed (Annexure-II). These three separate cover i.e.: Cover-I, II & III shall together be enclosed in a fourth envelope and this sealed cover shall be super scribed with tender no. due date and time and submitted to this office.

Envelope should have inscription as "**Supply of Coaxial Cable for STL and N-type end connectors (M/F)** for BH, AIR". Quotations not received in line with the above are liable to be rejected. **Technical Bids shall be opened on 07.09.2011 at 3.30 pm** in the presence of tenderers who may be present at that time. Price bids of the eligible bidders shall be opened at a later date in the presence of tenderers, which will be notified later.

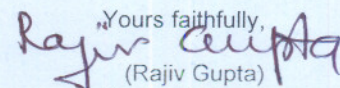
**VAT**: The tenderer should quote VAT separately. They should furnish their VAT number in their quotation.

**Excise Duty**: The tenderer should mention excise duty in clear terms separately, if applicable.

**Terms of payment** : Full payment will be made after delivery/testing of cables.

The office reserves the right to accept any quotation not necessarily the lowest. This office also reserves the right of increasing / decreasing the quantity of material depending on actual requirement. This information is also available on AIR net [www.allindiaradio.org](http://www.allindiaradio.org).

Thanking you,

Yours faithfully,  
  
(Rajiv Gupta)  
Asstt. Engineer  
ForDDG (Engg.)

**Prasar Bharati**  
(Broadcasting Corporation of India)  
**Broadcasting House: All India Radio,**  
**New Delhi- 110001**

**TENDER ENQUIRY FORM**

No. DEL. 1(2)/NBH/Feeder Cable/ 2011-12-E

Dated .....  
M/s.....  
.....  
.....

**Subject: Supply of Coaxial Cable for STL and N-type end connectors at Broadcasting house, All India Radio, New Delhi- 110001**

Dear Sir,

Please furnish your quotation for supply of material mentioned as under:-

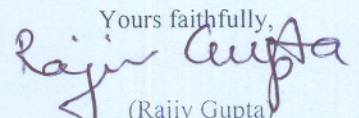
S. No.	Description	Quantity
<b>For STL</b>		
1.	Supply of Coaxial Cable	02 Rolls (500 mtr. each)
2.	N-type end connectors (M/F)	05 pairs

**(Specs as per Annexure-II)**

**Warranty:**

- The quotation in a sealed ENVELOPE superscribed with the following details on the quotation should be addressed to undersigned by name so as to reach him on or before **3.00 pm on 07/09/2011**
  - Material for which quotations are enclosed.
  - Reference of letter of enquiry
  - Due date of opening of quotation.
- Quotation received without proper sealing may be rejected.
- The tenderers should specifically and clearly mention the following in their quotations:
  - Make of the material
  - Delivery period.
  - Forwarding and freight charges, if any
  - Any other charges.
- VAT: the Tenderer should quote VAT separately. They should furnish their VAT number in their quotation.**
- Excise Duty: the tenderer should mention excise duty in clear terms separately, if applicable.
- Terms of payment: Full payment will be made after goods are received in good condition by the consignee.
- Sample: The firms should send a sample wherever possible. Then item should be ISI marked preferably. Required technical details/catalogue reqd. as per our specification should be furnished along with tender.
- Validity: The quotation should remain valid for a period of six month from the date of opening.
- The quotation will be opened in this office **at 3.30pm on the last date i.e. 7/09/2011** in the presence of such tenderers or their agents who may like to be present.
- This office also reserves the right of increasing/decreasing the quantity of material depending on actual requirement.
- The stores offered should be guaranteed for a minimum period of 1 year for satisfactory service against any manufacturing defect.
- This office reserves the right to seek earnest money/security deposit at any stage.
- The quotation not confirming to conditions as above may be rejected without any further reference.
- Tolerance Clause: Upto 25% of the quantity can be covered at the time of placement of order.

**A copy for pasting on notice-board.**

Yours faithfully,  
  
(Rajiv Gupta)  
Assistant Engineer,  
For DDG (Engg.)

### Technical Specifications

All India Radio requires 1000 meters (two rolls of 500 meters each) of 7/8" coaxial cable with foam dielectric (Similar to FXL-780, HELIAX Flexible Coaxial Cable, smoothwall aluminum, 7/8 inch, black PE jacket) including 05 pairs of N-type connectors (Male & Female) for this coaxial cable. The detail technical specification of desired coaxial cable is given below:

#### (A) Coaxial Cable: 1000 Meters

<b>Characteristics</b>	
<b>Construction material</b>	
Jacket material	PE
Outer Conductor Material	Smoothwall aluminum
Dielectric Material	Foam PE
Flexibility	Flexible
Inner Conductor Material	Copper
Jacket Colour	Black
<b>Dimensions</b>	
Nominal Size	7/8 inch
Cable Weight	0.37 kg/m
Diameter over Jacket	27.700 mm
Inner conductor OD	9.500 mm
Outer Conductor OD	25.500 mm
<b>Electrical</b>	
Cable Impedance	50 ohm +/- 1 ohm
Capacitance	75.4 pF/m
dc Resistance, inner conductor	3.300 ohms/km
dc Resistance, outer conductor	1.150 ohms/km
dc Test Voltage	6000 V
Inductance	0.190 $\mu$ H/m
Insulation resistance	100000 Mohms.km
Jacket Spark test voltage (rms)	8000 V
Operating Frequency Band	100-5000 MHz
Peak Power	86.0 kW
Velocity	88%
VSWR for Operating Frequency Band	1.1
Attenuation db/100m	< 6 db for frequency below 1700 MHz
Average power rating	> 1.5 kW for frequency below 1700 MHz
<b>Mechanical</b>	
Bending Moment	35.0 N-m
Flat Plate Crush Strength	3.0 Kg/mm
Minimum Bend Radius, Multiple Bends	203.20 mm
Minimum Bend Radius, Single Bend	127.00 mm
Number of Bends, minimum	15
Cable Weight	0.5 kg/m
Tensile Strength	249 Kg
Operating temperature	0 to 70 Centigrade

Contd....

