



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)**

An Institute of National Importance under Ministry of HRD, GOI

e- NOTICE INVITING TENDER(e-NIT)

Tender Notification No: NITR/PW-SR/EC/2020/07

Dated: 17/01/2020

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Dual Ridged Horn Antenna** at NIT Rourkela.

Last date of Submission of Bid : **07/02/2020 by 03:00 PM**

Date of opening of Techno-commercial & Financial Bid : **10/02/2020 at 03:00 PM**

For Details:

https://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx

Contact: Dr. Subrata Maiti, Department of ECE,

Phone: +91-661-246-2468

Email ID: smaiti@nitrkl.ac.in

Bidding through: <https://mhrd.euni.wizarde.com>

**Sd/-
REGISTRAR**



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008, ODISHA**

(SINGLE TENDER NOTICE NO.: NITR/PW-SR/EC/2020/07

Dated: - 17/01/2020)

(Procurement of Dual Ridged Horn Antenna)

Item No	DESCRIPTION	Quantity
1	Broad Band TEM Horn Antenna, Model: BBHA 9120A, (Make: Schwarz beck, Germany)	1 Unit

1. Quantity required : **As mentioned above (All information regarding technical specification provided in the Annexure-I)**
2. Delivery : Within **90 days** from the date of purchase order
3. **Last Date of submission of Bid : 07/02/2020 by 03:00 PM**
4. **Date of opening of Techno-commercial & Financial Bid : 10/02/2020 at 03:00 PM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tenderer should be through <https://mhrd.eunizarde.com/> Please follow the guidelines as per the portal.

Procurement of Dual Ridged Horn Antenna

(Tender Notice No.: NITR/PW-SR/EC/2020/07 dated: 17/01/2020) Due on 07/02/2020 by 03:00 PM

7. **Liquidated damage clause** will be charged for any delay in supply of goods.
8. The validity of the tender shall be **90 days** from the date of opening of the bids.
9. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx.
10. NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.

**(REGISTRAR)
NIT, Rourkela
Fax No- 0661-2462022
Ph. No -0661-2462021**

Specifications of Dual Ridged Horn Antenna

Item No	DESCRIPTION																										
1.	<p data-bbox="321 323 1451 394">As per datasheet mentioned in http://www.schwarzbeck.de/en/antennas/broadband-horn-antennas/double-ridged-horn-antenna.html#BBHA9120A</p> <p data-bbox="321 430 1430 495">The broadband horn antenna BBHA 9120 A is a linear polarized double ridged horn antenna for the frequency range 800 MHz to 5 (10) GHz.</p> <table border="1" data-bbox="399 527 1383 1329"> <tbody> <tr> <td data-bbox="399 527 894 583">Frequency Range, nominal:</td> <td data-bbox="894 527 1383 583">1 GHz - 5 GHz</td> </tr> <tr> <td data-bbox="399 583 894 640">Usable Frequency Range:</td> <td data-bbox="894 583 1383 640">0.8 MHz - 10 GHz</td> </tr> <tr> <td data-bbox="399 640 894 697">Polarisation:</td> <td data-bbox="894 640 1383 697">linear</td> </tr> <tr> <td data-bbox="399 697 894 753">Pattern Type:</td> <td data-bbox="894 697 1383 753">directional</td> </tr> <tr> <td data-bbox="399 753 894 810">Material:</td> <td data-bbox="894 753 1383 810">Aluminium</td> </tr> <tr> <td data-bbox="399 810 894 867">Max Power:</td> <td data-bbox="894 810 1383 867">see diagram</td> </tr> <tr> <td data-bbox="399 867 894 924">Connector:</td> <td data-bbox="894 867 1383 924">N</td> </tr> <tr> <td data-bbox="399 924 894 980">Impedance:</td> <td data-bbox="894 924 1383 980">50 Ω nominal</td> </tr> <tr> <td data-bbox="399 980 894 1037">Length:</td> <td data-bbox="894 980 1383 1037">220 (408) mm</td> </tr> <tr> <td data-bbox="399 1037 894 1094">Width:</td> <td data-bbox="894 1037 1383 1094">245 mm</td> </tr> <tr> <td data-bbox="399 1094 894 1150">Height:</td> <td data-bbox="894 1094 1383 1150">142 mm</td> </tr> <tr> <td data-bbox="399 1150 894 1207">Weight:</td> <td data-bbox="894 1150 1383 1207">1.3 kg</td> </tr> <tr> <td data-bbox="399 1207 894 1264">Mounting:</td> <td data-bbox="894 1207 1383 1264">22 mm Tube</td> </tr> </tbody> </table> <p data-bbox="266 1400 1511 1434">Details of the configuration and deviation must be provided along with technical bid.</p>	Frequency Range, nominal:	1 GHz - 5 GHz	Usable Frequency Range:	0.8 MHz - 10 GHz	Polarisation:	linear	Pattern Type:	directional	Material:	Aluminium	Max Power:	see diagram	Connector:	N	Impedance:	50 Ω nominal	Length:	220 (408) mm	Width:	245 mm	Height:	142 mm	Weight:	1.3 kg	Mounting:	22 mm Tube
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