



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

An Institute of National Importance under Ministry of Education, GOI

**NOTICE INVITING TENDER**

**Tender Notification No: NITR/PW/EC/2021/242**

**Dated: 15/02/2021**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **USRP X310 with accessories** at NIT Rourkela.

Last date of Submission of Bid : **08/03/2021 by 11:00 AM**

Opening date of techno-commercial Bid : **09/03/2021 at 11:00 AM**

**For Details:** [http://nitrkl.ac.in/OldWebsite/Jobs\\_Tenders/9Equipment/Default.aspx](http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx)

**Contact: Prof. S Hiremath**

**Department of Electronics & Communication Engineering,  
NIT Rourkela, Odisha- 769008.**

**Email ID:** [hiremaths@nitrkl.ac.in](mailto:hiremaths@nitrkl.ac.in)

**Bidding through:** <https://eprocure.gov.in/eprocure/app>

**Sd/-  
REGISTRAR**



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

**OPEN TENDER NOTICE NO.: NITR/PW/EC/2021/242**

**Dated: - 15/02/2021**

**Procurement of USRP X310 with accessories**

<b>SL.NO</b>	<b>Description of Goods/Service</b>	<b>Quantity</b>
1.	USRP X310 Kit	02 Unit
2.	UBX 40 USRP Daughterboard (10 MHz - 6 GHz, 40 MHz BW)	04 Unit
3.	OCTOCLOCK-G CDA-2990 8-Channel Clock Distribution Module with Integrated GPSDO	01 Unit
4.	LP0965 Log Periodic PCB Antenna (850 MHz to 6.5 GHz)	08 Unit
5.	SMA Cable and 30dB Attenuator Loop Back Kit	06 Unit

1. Quantity required : **As mentioned above**
2. Delivery : Within **60 days** from the date of purchase order
3. **Last Date of submission of Bid : 08/03/2021 by 11:00 AM**
4. **Date of opening of techno-commercial bid : 09/03/2021 at 11:00 AM**
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://eprocure.gov.in/eprocure/app>. Please follow the guidelines as per the portal.

**Procurement of USRP X310 with accessories**  
**(Open Tender Notice No.: NITR/PW/EC/2021/242 Dated: - 15/02/2021**  
**Due on 08/03/2021 by 11:00 AM**

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 techno-commercial 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](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

## DETAILED TECHNICAL SPECIFICATION

### Specifications for USRP X310 with accessories:

Sealed tender bids are invited from reputed/authorized vendors/companies for **USRP X310 with accessories** with following tender specifications.

Sl. No.	Name of goods	Specifications
1.	USRP X310 Kit	<ul style="list-style-type: none"><li>• Large customizable Xilinx Kintex-7 FPGA for high performance DSP (XC7K410T)</li></ul> Two wide-bandwidth RF daughterboard slots <ul style="list-style-type: none"><li>• Up to 160MHz bandwidth each (wideband versions of <a href="#">CBX</a>, <a href="#">W BX</a>, <a href="#">SBX</a>)</li><li>• Daughterboard selection covers DC to 6 GHz</li></ul>
2.	UBX 40 USRP Daughterboard (10 MHz - 6 GHz, 40 MHz BW)	10 MHz - 6 GHz, 40 MHz BW
3.	OCTOCLOCK-G CDA-2990 8-Channel Clock Distribution Module with Integrated GPSDO	<ul style="list-style-type: none"><li>• Fully Integrated Timing Source with 8-Way Distribution (10 MHz and 1 PPS)</li><li>• User Selection between Internal GPSDO Or External 10 MHz/1 PPS Source</li><li>• Use with MIMO Capable N-Series Devices for Coherent System</li></ul>
4.	LP0965 Log Periodic PCB Antenna (850 MHz to 6.5 GHz)	850 MHz to 6.5 GHz
5.	SMA Cable and 30dB Attenuator Loop Back Kit	30dB, 50Ohm, DC-6GHz (for attenuators) 60cm/2ft (for cables)