NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)

An Institute of National Importance under Ministry of HRD, GOI

NOTICE INVITING TENDER

Tender Notification No: NITR/PW/EC/2019/130 **Dated: 05/07/2019**

The National Institute of Technology, Rourkela invites bids from the eligible bidders for procurement of **Hardware Components** at NIT Rourkela.

Last date of Submission of Bid **: 29/07/2019 at 11:00 AM**
Opening date of Techno-commercial Bid **: 30/07/2019 at 11:00 AM**

For Details: http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx
Contact: Dr. Santos Kumar Das, (Assistant Professor)
Department of ECE; Ph.: 0661-2462466
Email ID: dassk@nitrkl.ac.in
Bidding through: https://eprocure.gov.in/eprocure/app

Sd/-
REGISTRAR

NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA – 769 008, ODISHA

(OPEN TENDER NOTICE NO.: NITR/PW/EC/2019/130 Date: 05/07/2019)

(Procurement of Hardware Components at NIT Rourkela)

SL. No.	ITEM NAME	TECHNICAL DESCRIPTION	QUANTITY
1	SMD Rework Station Set	1) Voltage 230 V (50/60 Hz) 2) Max. vacuum 0,7 bar 3)Max. hot air flow rate l/min (depends on tool) 15. 4)Capacity l/min 18 5) Power 420 W (600 W) 6) Built-in pump Periodic duty 30/30 s 7) Temperature stability (in°C) ±2 8) Temperature stability (in °F) ±4 9)Temperature range (depends on tool) (in °C) 100 - 450 (550) 10)Temperature range (depends on tool) °F 200 - 850 (999) 11)USB port on 12)Display 255 x 128 dots / Backlighting 13)Overcurrent release 2,0 A 14)Temperature accuracy (in °C) ±9 15)Channels 3 16)ESD-safe on 17)Power cable type EMEA 18)USB interface of firmware updates, parameterization and monitoring USB interface supports all standard USB flash drive types. (Preferred Waller Brand WXR 3032 model only)	1 Set
2	Arduino Mega 2560 with USB cable.	Microcontroller ATmega1280Operating Voltage 5VInput Voltage (recommended) 7-12VInput Voltage (limits) 6-20VDigital I/O Pins 54 (of which 15 provide PWM output)Analog Input Pins 16DC Current per I/O Pin 40 mADC Current for 3.3V Pin 50 mAFlash Memory 128 KB of which 4 KB used by bootloaderSRAM 8 KBEEPROM 4 KBClock Speed 16 MHz	3
3	ZigBee pro long range wireless module with antenna	Operating Voltage:2.7 V to 3.6V Frequency:-2.4 GHz Range: 2 mile Data Rate: 250 kbps Sensitivity: – 101 dBm Output Power: 63 mW Maximum Operating Temperature: + 85 C Antenna Connector Type: RPSMA Brand: Digi International Dimensions:-3.294 cm x 2.438 cm Interface Type: SPI, UART	5

4	GSM/GPRS module	Quad-band 850/900/1800/1900MHzBluetooth connectivity,Configurable Baud rate (9600-115200, factory default value: 9600),Standard Audio Jack Connectors for external speaker and mic,Selectable interface between hardware serial port and software serial port,Inbuilt Powerful TCP/IP protocol stack for internet data transfer over GPRS.SMA Connector with external antennaInput Voltage: 5V-12V DCNormal operation temperature: -20 °C to +55 °C	3
5	Lora Module With Berg connector	Operating Renege: 1.8 – 3.7V, default 3.3V. Wireless Standard: 433MHz. Frequency range: 420 – 450MHZ. Port: SPI/GPIO. Working temperature: -40- +85 degrees. Pin pitch: 2.0 mm. Distance: 10 KM in Open Area.	3
6	Temperature Radiation Shield	compatible to RTD 100 temperature sensor	1
7	Web camera for Desktop	Simple plug-and-play setup and an easy-to-use universal clip, High-resolution snapshots at up-to 5 megapixels.	1
8	Weather Station Kit with Anemometer/Wind Vane/Rain Bucket	Operating voltage: 5V,Temperature range: -40~80℃ , Humidity range: 0~99%	1
9	IP camera	8MP Network IP Camera4K Video Resolution 3840x2160 pixels15fps Recording Capability at Ultra HD 4K,H.265+, H.265, H.264+, H.264Triple Video StreamsDigital WDR, Noise Reduction, Back Light CompensationDay & Night IR Cut Filter4mm Fixed Lens - 87° Angle of View130ft Night VisionMicroSD card slot supports up to 128GB	1

1. **Quantity required Delivery: As mentioned above (All information provided in technical specification)**
2. **Delivery: Within 30 days from the date of purchase order.**
3. **Last Date of submission of Bid : 29/07/2019 at 11:00 AM**
4. **Date of opening of Techno-commercial bid : 30/07/2019 at 11:00 AM**
5. The firm should not have been black listed at any time.
6. The submission of following bids by the tender should be through https://eprocure.gov.in/eprocure/app.
7. Please follow the guidelines as per the portal.

Procurement of Hardware Components at NIT Rourkela.
(Open Tender Notice No.: **NITR/PW/EC/2019/130** dated:- **05/07/2019**) Due on **29/07/2019 at 11:00 AM**

8. Liquidated damage clause will be charged for any delay in supply of goods.
9. The validity of the tender shall be **90 days** from the date of opening of the bids.

10. Detailed advertisement including all tender documents is also available in our website at http://nitrkl.ac.in/OldWebsite/Jobs_Tenders/9Equipment/Default.aspx.

11. NIT reserves the right to qualify or deny pre-qualification of any or all applicants without assigning any reasons.

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