



# P. G. Department of Computer Application North Orissa University

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## **TENDER NOTICE**

Sealed quotations are invited from reputed registered authorized supplier/distributor having valid GSTIN and up to date GST clearance for supply of **Hardware and Software** as per following specification under DST, Govt. of Odisha grant. Quotations must reach the undersigned on or before 03.00 PM of 28.02.2019 and will be opened at 11.00 p.m. of 01.03.2019 in the office of the H.O.D, P.G. Dept. of Computer Application, North Orissa University. Interested parties may be present at the time of opening of the quotations. The detail specifications can be availed from the undersigned or from website <http://www.nou.nic.in/>. The authority reserves the right to reject any or all quotations without assigning any reason thereof.

### **ITEM No.-1 (All Components to be supplied)**

Raspberry pi 3  
5" HD Touch Display for Rpi  
Raspberry Pi camera module with cable  
Raspberry Pi Case with Heat Sink and Fan  
T-Cobbler for Rpi  
Analog to digital convertor (16 BIT ADC)  
GSM Module (GPRS Modem)  
Relay (30 amp)  
Relay (5 amp)  
Alarm (Piezo Buzzer)  
16x2 LCD Display  
Temperature sensor Probe (DS18B20)  
Temperature sensor Probe (PT-100)  
PH sensor with ADC  
Conductivity Sensor(MOISTURE)  
Turbidity sensor  
Dissolve oxygen sensor  
Power supply adapter to Raspberry pi  
Power supply adapter to GSM module  
Jumper wire for connection and soldering set of 40  
Connection board (Breadboard and General purpose PCB)  
High precision motor (economic)  
L298 motor driver module  
Flow sensor  
Float sensor  
0.5hp pump  
Tool Kit  
Soldering Kit

Micro tip Soldering Kit  
Multi-meter kit  
Glue-gun with glue-sticks set  
Flux  
Solder  
Node MCU  
GPS Module  
Powerbank(10000 mAh)  
HDMI to VGA converter  
Pressure sensor  
Pulse sensor  
IR sensor  
PIR sensor  
IR/proximity sensor  
Ultrasonic sensor  
Sound sensor  
Current sensor  
Temperature and humidity sensor  
Light sensor (LM393)  
Touch sensor (TTP223B)  
Color sensor  
Hall Effect sensor  
Tilt sensor  
Piezoelectric sensor  
Rain Sensitive Sensor Module  
Development Board On-Board AT89S52, MAX232, 16x2 LED, DS 1307

## **ITEM No.-2**

Simulation Software:

NetSIM Standard (R & D) latest version (Single User perpetual license)

Specifications:

- 1) Inter-Networks Fast & Gigabit Ethernet, Wireless LAN 802.11 a / b / g / n / ac / e, IP Routing RIP, OSPF, TCP, UDP Interfacing with MATLAB, Wireshark Protocol, C Source Code
- 2) Advanced Wireless Networks: Wi-Max, MANET Protocol, C Source Code
- 3) Internet of Things: Wireless Sensor Network, Zigbee, RPL Protocol for IOT Protocol, C Source Code
- 4) Vehicular Adhoc Networks: IEEE 1609 WAVE, BSM with DSRC, Interface with SUMO Protocol, C Source Code

## **Terms & Conditions**

- 1) Parties can bid for ITEM No. 1 or ITEM No. 2 or for both the items. But for ITEM No. 1, Parties who can supply all the components mentioned are eligible for tender application.
- 2) Items are to be delivered and installation to be done at P.G.Dept. of Computer Application, North Orissa University, Baripada, Odisha.
- 3) Training must be provided to the user at the installation place only.
- 4) Document related to license warranty, service and maintenance must be handed over to the authority.
- 5) Any driver software of equipments, installation guide and user manual are to be delivered to the user.
- 6) Post installation maintenance, upgradation of the software version is to be mentioned clearly with time frame.
- 7) GST to be charged as per DSIT Guideline (5% GST) as North Orissa University is a Govt. State University and Registered from DSIR, Govt. of India.