



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI
बंगरा, गुवाहाटी-781015, भारत
Bongora, Guwahati-781015, India

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INVITATION LETTER

Package Code: TEQIP-III/2020/iiit/139/016
Package Name: IIITG/ECE Lab Raspberry Pi

Current Date: 20-May-2020
Method: Shopping Goods

To,
_____ All Interested Vendors _____

Sub: Invitation letter for Purchase of Lab Equipments/components.

Dear Sir,

1. You are invited to submit your most competitive quotation for the following Lab Equipments/components with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Delivery Period	Installation Requirement (if any)
1	Raspberry Pi 3 Model B+ Complete Starter Kit	20	IIIT Guwahati, Bongora, Guwahati 781015	30 Days	Yes
2	Raspberry Pi 8MP Camera V2	10			
3	Raspberry Pi 8MP NoIR camera	10			
4	Raspberry Pi Sense HAT (Astro-Pi)	05			
5	Raspberry Pi Display 7 inch Capacitive Touch Screen LCD, HDMI interface	07			
6	Key Board and Mouse	20			

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the Technical Education Quality Improvement Programme [TEQIP]-Phase III Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees (₹) only.
4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than 90days after the last date of quotation submission.
6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which
 - 6.1 are properly signed; and
 - 6.2 Confirm to the terms and conditions, and specifications.
 - 6.3 You are also requested to submit the following documents:-
 - Proof of Registration under relevant law, such as Companies Act, and / or Shops & Establishment Act or Trade License from appropriate authority etc.
 - Dealership/authorisation certificate from the OEM (Original Equipment Manufacturer).
 - Copy of PAN, GSTIN
 - 6.4 In addition to above, bidders intending to offer bids in response to advertisement published in the official website of the Institute (i.e. www.iiitg.ac.in) should submit the following :-
 - Details of the similar items ordered by Government/ Autonomous Institute(s) during last three years as per Annexure-II.
 - Copies of the Purchase order(s) of similar items from Government/ Autonomous Institute(s) during last three years.
7. The Quotations would be evaluated for all items together.
8. Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract.
 - 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:
Satisfactory Delivery , Installation & Satisfactory Acceptance - 100% of total cost
10. Item sl no:6 (Key Board and Mouse) will be under warranty/guarantee of 12 months from the date of successful acceptance of items .
11. You are requested to provide your offer latest by 16:00 hours on 03-June-2020.
12. Detailed specifications of the items are at Annexure I.
13. Testing/Installation Clause (if any) :- yes
14. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
15. Sealed quotation to be submitted/ delivered at the address mentioned below,
**The Director ,Indian Institute of Information Technology Guwahati
Bongora, Guwahati, Pin-781015**
**Note:- The quotation must be enclosed in a sealed envelope superscribed with –“IQ no:-
TEQIP-III/2020/iiit/139 , due date: 03.06.2020 and time 1600 Hrs”**
16. We look forward to receiving your quotation and thank you for your interest in this project.

Sd/-
(Authorized Signatory)
Name & Designation
Gautam Barua, Director

Annexure –I

TECHNICAL SPECIFICATION

1. Raspberry Pi 3 Model B+ - Complete Starter Kit (RPi3B+, Case, Adapter, NOOBS Card, HDMI, LAN,heat sink)

- a. Raspberry Pi 3 Model B+
 - Broadcom BCM2837B0, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz
 - 1GB LPDDR2 SDRAM
 - 2.4GHz and 5GHz IEEE 802.11.b/g/n/ac wireless LAN, Bluetooth 4.2, BLE
 - Gigabit Ethernet over USB 2.0 (maximum throughput 300 Mbps)
 - Extended 40-pin GPIO header
 - Full-size HDMI
 - 4 USB 2.0 ports
 - CSI camera port for connecting a Raspberry Pi camera
 - DSI display port for connecting a Raspberry Pi touchscreen display
 - 4-pole stereo output and composite video port
 - Micro SD port for loading your operating system and storing data
 - 5V/2.5A DC power input
 - Power-over-Ethernet (PoE) support (requires separate PoE HAT)
- b. Case For Raspberry Pi 3 Model B+
 - High-quality ABS construction
 - Available in both red/white and black/grey
 - Removable side panels and lid for easy access to GPIO, camera and display connectors
 - Light pipes for power and activity LEDs
- c. 16/32 GB microSD Card Class 10 with NOOBS preinstalled (Sony / Sandisk / Strontium)
- d. 5 Volt 2.5A Power Supply

The official and recommended universal micro USB power supply for Raspberry Pi. We've tested this supply in all kinds of situations, and it's as solid as a rock; it'll keep feeding your Pi the steady 2.5A it needs for proper performance.

 - 1.5m lead
 - Interchangeable heads for different countries
 - Short circuit, over current and over voltage protection
 - 50,000 hours MTBF
- e. Network Patch LAN cable (20 Pcs)
 - 2M network cable for the Raspberry Pi 3 Model B+ . Gold plated connectors for high quality transfer speeds.Features:
 - 2 Meter Cat 5 Network Cable
 - Gold Plated connector pins
 - 100MB/s transfer speed
 - Booted connections for better quality and less loss
- f. Standard HDMI-to-HDMI cable (20 Pcs)
 - 1.5M-1.8M HDMI cable for the Raspberry Pi computer. 1080p output
 - > Connects your Raspberry Pi to your HDMI display unit
 - > Fully Compatible with new HDMI 1.4 specification and HDMI 1.3b or below.
 - > Supports 480i, 480p, 720p, 1080i, 1080p
- g. Aluminium Heat Sink (20 Pcs)

Kit Features:

 - 2 x Anodised Aluminium Heat Sinks.
 - Compact, and Able to Fit in Most Raspberry Pi Cases (Including the ModMyPi case).
 - High quality Thermal Adhesive Tape for Easy Application.
 - Thermal Resistance 25°C/W.

Dimensions:

- Large Broadcom CPU Heat Sink - 14mm x 14mm x 14mm
- Medium Ethernet Controller Heat Sink - 10mm x 10mm x 10mm

2. Raspberry Pi 8MP Camera V2

Features:

- Fixed focus lens on-board
- 8 megapixel native resolution sensor-capable of 3280 x 2464 pixel static images
- Supports 1080p30, 720p60 and 640x480p90 video
- Size 25mm x 23mm x 9mm
- Weight just over 3g
- Connects to the Raspberry Pi board via a short ribbon cable (supplied)
- Camera v2 is supported in the latest version of Raspbian, Raspberry Pi's preferred operating system

3. Raspberry Pi 8MP NoIR camera

Features:

- Fixed focus lens on-board
- 8 megapixel native resolution sensor-capable of 3280 x 2464 pixel static images
- Supports 1080p30, 720p60 and 640x480p90 video
- Size 25mm x 23mm x 9mm
- Weight just over 3g
- Connects to the Raspberry Pi board via a short ribbon cable (supplied)
- Camera v2 is supported in the latest version of Raspbian, Raspberry Pi's preferred operating system

4. RaspberryPi Sense HAT (Astro-Pi)

Features:

The Raspberry Pi Sense HAT is attached on top of the Raspberry Pi via the 40 GPIO pins (which provide the data and power interface) to create an 'Astro Pi'. The Sense HAT has several integrated circuit based sensors can be used for many different types of experiments, applications, and even games.

The sensors enable you to read:

- Orientation (yaw, pitch & roll) via an accelerometer, 3D gyroscope and magnetometer
- Pressure
- Humidity
- Temperature

Technical Specification:

- Gyroscope – angular rate sensor: +/-245/500/2000dps
- Accelerometer - Linear acceleration sensor: +/-2/4/8/16 g
- Magnetometer - Magnetic Sensor: +/- 4/8/12/16 gauss
- Barometer: 260 – 1260 hPa absolute range (accuracy depends on the temperature and pressure, +/- 0.1 hPa under normal conditions)
- Temperature sensor (Temperature accurate to +/- 2 degC in the 0-65 degC range)
- Relative Humidity sensor (accurate to +/- 4.5% in the 20-80%rH range, accurate to +/- 0.5 degC in 15-40 degC range)
- 8x8 LED matrix display
- Small 5 button joystick

6. Raspberry Pi Display 7 inch Capacitive Touch Screen LCD, HDMI interface

800x480, 7 inch Capacitive Touch Screen LCD, HDMI interface, supports various systems

Features:

- 800x480 hardware resolution
- Capacitive touch control

- Supports popular mini PCs such as Raspberry Pi, BB Black, as well as general desktop computers
- When works with Raspberry Pi, supports Raspbian/Ubuntu/Kali/Retropie/WIN10 IOT, driver free
- When work as a computer monitor, supports Windows 10/8.1/8/7, five-points touch, and driver free
- Backlight can be turned off to lower power consumption

7. Key Board and Mouse

Key Board

- Key Numbers : Standard 87
- Key Life : 20 million Life Cycle
- Interface : USB
- Keyboard : Wired
- Compatible With Raspberry Pi

Mouse

- Tracking Technology : Optical
- Mouse : Wired
- Interface : USB
- Compatible With Raspberry Pi

Annexure-II

Details of the similar equipment ordered by Government/ Autonomous Institute(s) during last three years

SI No	Date of Order	Institute's Name	Name of Equipment ordered	Quantity	Order value in ₹	Whether successfully completed the Order (Yes/No)

Signature of Supplier

Name: _____

Address: _____

Contact No: _____

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of Items (with full Specifications)	Qty.	Unit	Quoted Unit rate in ₹ (Including Ex-Factory price, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	GST and other taxes payable (₹)	
						In %	In figures (B)
1	Raspberry Pi 3 Model B+ Complete Starter Kit	20					
2	Raspberry Pi 8MP Camera V2	10					
3	Raspberry Pi 8MP NoIR camera	10					
4	Raspberry Pi Sense HAT (Astro-Pi)	05					
5	Raspberry Pi Display 7 inch Capacitive Touch Screen LCD, HDMI interface	07					
6	Key Board and Mouse	20					
Total Cost							

Gross Total Cost (A+B): ₹ _____

We agree to supply the above items in accordance with the technical specifications for a total contract price of ₹ _____ (Amount in figures) (Rupees _____ —amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of 12 months shall apply to the Item sl no:6 (Key Board and Mouse) and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____