

## INVITATION FOR QUOTATION

TEQIP-III/WB/fetj/35

27-02-2018

To,

**Sub: Invitation for Quotations for Supply of Goods**


**Package Code: TEQIP-III/2018/fetj/Shopping/30**

Dear Sir,

- 1) You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications as given at Annexure - I,

Sr. No	Brief Description	Qty.	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Wireless Sensor Development	01	45	Computer Science and Engineering	Yes

- 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.

  
Nodal Officer (Procurement)  
TEQIP Phase-III  
Jadavpur University  
Kolkata-700 032

3) **Quotation:**

- a) The contract shall be for the full quantity as described above.
- b) Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- c) All duties and other levies payable by the supplier under the contract shall be included in the total price.
- d) **Applicable taxes shall be quoted separately for all items.**
- e) 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.
- f) If you require any "waybill" for transportation of goods to Kolkata, you have to apply in advance separately with a copy of Invoice enclosing a copy of order.
- g) **The Prices should be quoted in Indian Rupees only.**

4) Each bidder shall submit only one quotation for most suitable one for the item mentioned only, without any optional item.

5) **Validity of quotation:** Quotation shall remain valid for a period not less than 45 days after the last date of quotation submission.

6) Evaluation of Quotations:

The Purchaser will evaluate and compare the quotations found to be substantially responsive i.e. which


- a) are properly signed ; and
  - b) Conforming to the terms and conditions, and specifications.
- 7) The Quotations would be evaluated for all items together.

- Quotations will be compared on the basis of quoted price (Total Cost including all taxes) for goods at its final destination.


- Past performance & experience may be furnished to consider the credential of the bidder

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.

a) 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.

  
Nodal Officer (Procurement)  
TEQIP Phase-III  
Jadavpur University  
Kolkata-700 032

- b) The bidder whose bid is accepted will be notified for 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) Delivery:
- 9.1 Delivery period mentioned in the Purchase Order received by the vendor must be maintained. In case of failing the delivery within stipulated date the order maybe canceled if proper justification is not received from the vendor in time.
- 10) Payment:
- 10.1) Payment shall be made in Indian Rupees as follows:  
100% of the total cost after delivery, satisfactory installation along with demonstration and testing of the goods and also acceptance by the department.
- 10.2) Payment will be done by online transfer to the bank account of the vendor by NPIU, New Delhi after formalities. Vendor must provide the following details for bank transfer. (a) Account holder Name, (b) Account No., (c) Bank Name, (d) Branch Name, (e) IFSC No., (f) PAN, (g) TAN, (h) GSTIN, (i) TIN, (j) Mobile number.
- 11) All supplied items are under normal commercial warranty/ guarantee of not less than 12 months from the date of successful acceptance of items, unless specified of warranty for longer duration in the specification.
- 12) Rate of AMC may be furnished separately, which will be applicable at the end of the normal commercial warrant period.
- 13) You are requested to submit your offer on or before 15:30 hours on 19-03-2018. Bids will be opened on the same day at 16:00 hours.
- 14) Detailed specifications of the items are at Annexure I.
- 15) Training Clause (if any) Demonstration at the time of Installation are to be confirmed.
- 16) Testing/Installation Clause (if any) Satisfactory Installation & Testing is required
- 17) Submission of video footage of the successful installation and testing along with Model No. & SL. No. is preferred.
- 18) Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

  
Nodal Officer (Procurement)  
TEQIP Phase-III  
Jadavpur University  
Kolkata-700 032

19) Sealed quotation to be submitted/ delivered, within 15:30 hours of 19-03-2018, at the address mentioned below,

TEQIP CELL, 2<sup>nd</sup> Floor, Aurobindo Bhavan, Jadavpur University, 188, Raja S. C. Mallick Road, Kolkata- 700 032.

We look forward to receive your quotation and thank you for your interest in this project.



Prof. Sanjib Acharyya

Nodal Officer, Procurement

TEQIP, Phase-III, JU

Nodal Officer (Procurement)

TEQIP Phase-III

Jadavpur University


Kolkata-700 032



## Annexure I

Package Code: TEQIP-III/WB/fetj/35


Sr. No	Item Name	Specifications
1	Wireless Sensor Development	<u>02 Nos. Raspberry Pi 3 Model B</u> : 1 GB RAM, 1.2 GHz, 64-bit Quad core ARM CPU, 802.11n wifi, bluetooth
		<u>02 Nos. Raspberry Pi Camera</u> : <b>Lens:</b> 1/4 5M, <b>Aperture:</b> 2.9, <b>Focal Length:</b> 3.29, <b>FOV:</b> 72.4 degrees, 8 Megapixel, 1080p
		<u>01 No. Hdmi to serial converter</u> : HDMI to VGA Converter
		<u>02 Nos. Triple-Axis Accelerometer and Gyroscope 6 Module</u> : Mpu-6050 Triple-Axis Accelerometer & Gyroscope 6
		<u>02 Nos. Accelerometer</u> : ADXL345 3-axis accelerometer with voltage regulator, Breakout Board for Raspberry Pi
		<u>02 Nos. IR Distance sensor</u> : IR Distance sensor for raspberry pi and arduino, <b>Operating voltage</b> - 3 V, <b>Detecting distance</b> - 10-80cm (4 - 30 inches)
		<u>04 Nos. 4 Channel Analog to Digital Converter (ADC) Module</u> : Generic ADS1115 ADC, 4 Channel 16Bit I2C, PGA Low Power for Arduino, Raspberry Pi
		<u>02 Nos. Ultrasonic Range Finder</u> : <i>Ultrasonic Range Finder Module</i> <i>Sensor Distance Measuring Transducer for Raspberry Pi.</i> <b>Working Voltage:</b> 5V(DC), <b>Static Current:</b> Less than 2mA, <b>Output Signal:</b> Electric frequency signal, high level 5V, low level 0V, <b>Sensor Angle:</b> Not more than 15 degrees, <b>Detection Distance:</b> 2 cm to 450 cm, <b>High Precision:</b> Up to 2mm

  
Nodal Officer (Procurement)  
TEQIP Phase-III  
Jadavpur University  
Kolkata-700 032


	<p><u>02 Nos. 20000mAh Power Bank</u> : High Capacity 20000mAh Power Bank, Three or more USB Output Port &amp; Universal Compatibility</p>
	<p><u>02 Nos. Raspberry Pi Cobbler</u> : PCB with a 40-pin connector along with a 40-pin cable which plugs into Raspberry Pi</p>
	<p><u>02 Nos. Expansion boards</u> : Generic Raspberry Pi 3 GPIO multi function expansion board plug, Arduino compatible scm &amp; diy kits - raspberry pi &amp; orange pi</p>
	<p><u>08 Nos. Servo Motors</u> : <b>Operating Speed:</b> 0.12 second or 60 degree (4.8V no load), <b>Stall Torque (4.8V):</b> 17.5oz /in (1kg/cm), <b>Operating Voltage:</b> 3.0V-7.2V</p>
	<p><u>02 Nos. Raspberry Pi 3 Case and Cooling Kit</u> : ABS Case, Cooling fan, Heat sink Kit Designed for Raspberry Pi 3 Model B</p>
	<p><u>01 No. Monitor</u> : 15" LED Monitor</p>
	<p><u>01 No. Graphics Card</u> : <b>Memory Bus:</b> 64 bit, Core - base clock: 902 MHz and GT 730 series, NVIDIA GeForce, <b>Model:</b> ZT-71115-20L, <b>Memory Size:</b> 4GB</p>
	<p><u>10 Nos. Arduino WiFi IoT Board</u> : <i>Arduino/Genuio MKR1000</i> WiFi IoT Board, <b>Microcontroller:</b> SAMD21 Cortex-M0+ , <b>Operating Voltage:</b> 3.3 V , <b>Digital I/O Pins</b> : 8 , <b>Analog Input Pins</b> : 6, <b>Flash Memory</b> : 256 Kb</p>
	<p><u>10 Nos. Arduino Uno R3</u> : <i>Microcontroller ATmega328</i> <b>Operating Voltage:</b> 5V, <b>Input Voltage (Recommended):</b> 7-12V, <b>Digital I or O Pins:</b> 14, <b>Flash memory:</b> 32 KB</p>
	<p><u>5 Nos. Arduino WiFi Shield</u> : ESP-8266EX Wi-Fi Uno Based Shield for Arduino Compatible</p>

  
 Nodal Officer (Procurement)  
 TEQIP Phase-III  
 Jadavpur University  
 Kolkata-700 032

		<p><u>10 Nos. PM 2.5 sensor</u> : DSM501A Dust Sensor Module PM2.5 Detection Detector For Arduino</p>
		<p><u>10 Nos. Temperature and Humidity Sensor</u> : DHT22 Digital Temperature and Humidity Sensor Module</p>
		<p><u>10 Nos. CO (Carbon Monoxide) sensor</u> : Mq 7 Carbon Monoxide Gas Sensor for Arduino</p>
		<p><u>02 Nos. CO2 (Carbon Dioxide) sensor</u> : MH-Z14 NDIR Infrared gas module for Arduino</p>
		<p><u>10 Nos. Air Quality &amp; Hazardous Gas Sensor Module</u> : MQ-135 Air Quality &amp; Hazardous Gas Sensor Module for Arduino</p>
		<p><u>10 Nos. Pressure Sensor</u> :  <i>BMP180 high-precision, low-power digital barometer</i>  <b>Vin:</b> 3 to 5V DC, <b>Logic:</b> 3 to 5V compliant, <b>Pressure Sensing Range:</b> 300-1100 hpa (9000m to -500m above sea level) and up to 0.03hpa/0.25m resolution, -40 to +85°C Operational range, +/- 2°C temperature accuracy, I2C 7-bit address 0x77</p>
		<p><u>01 No. Air Quality Monitoring Device***</u> :  <b>Atlanta Healthcare AirVisual Node High Accuracy Laser PM2.5, CO2, Humidity, Temperature, Wi-Fi Intelligent Air Quality Monitor</b></p>
		<p><u>01 No. Noise Monitoring Device***</u> :  <b>Mextech SL-4012 Sound Level Meter</b>  <b>Display:</b> 14mm (0.55") LCD with Backlight, <b>Parameter Measurement</b> : LP, Lmax, Leq, LN., <b>Frequency range:</b> 31.5Hz~8kHz, <b>Measurement range:</b> LP :30~130dB (A), 35~130dB (C), 35~130 dB (F), <b>Leq:</b>30-130dB, <b>LN:</b> 0~100%, <b>Resolution:</b> 0.1 dB, <b>Accuracy</b> : ±1dB, <b>Memory</b> : Maximum value (30groups), <b>Time Weighting:</b> (a)Fast (125ms) (b) Slow(15 second), <b>Low Battery:</b> Indicated, <b>Alarm Output</b> : LED Optional Relay Contact(NC), <b>Alarm Value set</b> : 30~130dB, <b>PC Interface:</b> RS232C</p>

  
 Nodal Officer (Procurement)  
 TEQIP Phase-III  
 Jadavpur University  
 Kolkata-700 032

		<p><u>01 Nos. Noise Monitoring Device*** :</u>  <b>Amprobe SM-10 Sound Meter</b>  <b>Display:</b> 4 digits LCD, <b>Microphone:</b> 1/2 inch Electret condenser microphone, <b>Power Supply:</b> 9V NEDA 1604, IEC 6F22, JIS 006P battery, <b>Auto Power Off:</b> Approx. 5 min, <b>Environment:</b> Indoor operation, &lt; 2000 m, <b>Standard Applied:</b> IEC 651 Type2, ANSI 1.4 Type 2, <b>Dynamic Range:</b> 50 dB, <b>Resolution:</b> 0.1 dB, <b>Display Update:</b> 0.5 sec. <b>Time Weighting:</b> FAST(125mS), SLOW(1 sec), <b>Frequency Range:</b> 31.5 Hz to 8 kHz</p> <hr/> <p><u>04 Nos. Wireless Router :</u> 300Mbps Wireless N Router, combined wired/wireless network connection device</p>
--	--	--

  
 Nodal Officer (Procurement)  
 TEQIP Phase-III  
 Jadavpur University  
 Kolkata-700 032





**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

Package Code:TEQIP-III/WB/feti/35

To: \_\_\_\_\_ Date: \_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Applicable Taxes	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ----- (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 ----- months shall apply to the offered items 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: \_\_\_\_\_

Nodal Officer (Procurement)  
TEQIP Phase-III  
Jadavpur University  
Kolkata-700 032