

Government College of Engineering, Bargur, Government College of Engineering, Bargur - 635104. Tamilnadu, INDIA.

INVITATION LETTER

Package Code: TEQIP-III/2019/TN/gebt/38

Current Date: 26-Nov-2019

Package Name: IOT Lab

Method: Shopping Goods

Sub: INVITATION LETTER FOR IOT Lab

Dear Sir,

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

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	IOT Lab	1	Department of Mechanical Engineering GCE Bargur	

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 **90**days 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.
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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	30	100

10. Liquidated Damages will be applied as per the below:
 Liquidated Damages Per Day Min %:N/A
 Liquidated Damages Max %:N/A
11. All supplied items are under warranty of **12** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **16:00** hours on **11-Dec-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Required**
15. Testing/Installation Clause (if any) **Required**
16. Performance Security shall be applicable: **0%**

17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **Government College of Engineering, Bargur, Government College of Engineering, Bargur - 635104. Tamilnadu, INDIA.**
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

PRINCIPAL
Government College of Engg
BARGUR-635 104.

Annexure I

Sr. No	Item Name	Specifications																											
1	IOT Lab	<p>Should consists of the following hardware items</p> <table><tr><th>S.No.</th><th>Hardware</th><th>Qty</th></tr><tr><td>1</td><td>LoRa IoT Kit</td><td>10</td></tr><tr><td>2</td><td>LoRa Sensor Node</td><td>10</td></tr><tr><td>3</td><td>LoRaWAN IO Controller</td><td>10</td></tr><tr><td>4</td><td>LoRa Mini Development Board</td><td>10</td></tr><tr><td>5</td><td>LoRaWAN Outdoor Gateway</td><td>02</td></tr><tr><td>6</td><td>DS18B20 Sensor Vibration sensor Soil moisture sensor Accelerometer sensor Solenoid valve</td><td>3 set</td></tr><tr><td>7</td><td>USB to UART - TTL Converter</td><td>10</td></tr><tr><td>8</td><td>ST Link STM32 Programmer Module</td><td>5</td></tr></table> <p>The detailed Specifications as below:</p> <ul style="list-style-type: none">• Processor: 400MHz, 24K MIPS• Flash: 16MB ; RAM: 64MB• Quectel <u>EC25 LTE module</u>• Micro SIM Slot• Internal 4G Antenna + External 4G Sticker Antenna.• Up to 100Mbps downlink and 50Mbps uplink data rates• Worldwide LTE,UMTS/HSPA+ and GSM/GPRS/EDGE coverage• MIMO technology meets demands for data rate and link reliability in modem wireless communication systems• 10M/100M RJ45 Ports x 2• WiFi : 802.11 b/g/n• LoRa Wireless• Power Input: 12V DC• USB 2.0 host connector x 1• USB 2.0 host internal interface x 1• 1 x LoRa Interface• 168 dB maximum link budget.• +20 dBm - 100 mW constant RF output vs.• +14 dBm high efficiency PA.• Programmable bit rate up to 300 kbps.• High sensitivity: down to -148 dBm.	S.No.	Hardware	Qty	1	LoRa IoT Kit	10	2	LoRa Sensor Node	10	3	LoRaWAN IO Controller	10	4	LoRa Mini Development Board	10	5	LoRaWAN Outdoor Gateway	02	6	DS18B20 Sensor Vibration sensor Soil moisture sensor Accelerometer sensor Solenoid valve	3 set	7	USB to UART - TTL Converter	10	8	ST Link STM32 Programmer Module	5
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| | <ul style="list-style-type: none">• Bullet-proof front end: IIP3 = -12.5 dBm.• Excellent blocking immunity.• Low RX current of 10.3 mA, 200 nA register retention.• Fully integrated synthesizer with a resolution of 61 Hz.• FSK, GFSK, MSK, GMSK, LoRaTM and OOK modulation.• Built-in bit synchronizer for clock recovery.• Preamble detection.• 127 dB Dynamic Range RSSI.• Automatic RF Sense and CAD with ultra-fast AFC.• Packet engine up to 256 bytes with CRC.• Built-in temperature sensor and low battery indicator. |
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FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To: _____

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)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.
 Gross Total Cost (A+B): Rs. _____ (Amount in figures)
 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. _____