



# Government College of Engineering

Station Road, Osmanpura, Aurangabad – 431 005

"In Pursuit of Global Competitiveness"

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## INVITATION LETTER

Package Code: TEQIP-III/2019/MH/geau/94

Current Date: 16-Dec-2019

Package Name: Geca\_Mech\_4 Rev.

Method: Shopping Goods

To,

GECA Website & Notice Board

Sub: INVITATION LETTER FOR Geca\_Mech\_4 Rev.

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	Thermal Image Hand Held	1	Principal, Government College of Engineering, Aurangabad, Maharashtra	Yes, As per Satisfaction of Expert Faculty Member

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 **55**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. Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to
- 8.1 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	90
Satisfactory Acceptance	30	10

10. Liquidated Damages will be applied as per the below:  
Liquidated Damages Per Day Min %:1  
Liquidated Damages Max %:5
11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **05:30** hours on **30-Dec-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **1 Day raining required for Faculty**
15. Testing/Installation Clause (if any) **As per Satisfaction of concern staff , faculty member**
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, Aurangabad, Station Road, Osmanpura, Aurangabad, 431005,  
Subscribe Quotation for TEQIP Cell, Inv. No. TEQIP-III/2019/MH/geau/94 Due Dt.  
30.12.2019

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



(Authorized Signatory)

Name & Designation



**Annexure I**

Sr. No	Item Name	Specifications
1	Thermal Image Hand Held	<p>Specification of THERMAL CAMERA</p> <ol style="list-style-type: none"> <li>1. IR resolution around 384 × 288 pixels</li> <li>2. higher resolution facility must be provided</li> <li>3. Thermal sensitivity/NETD not less than 40 mK, 24°C @ +30°C (+86°F),</li> <li>4. Field of view (FOV) -24° C × 18°C,</li> <li>5. Focus distance range : up to 0.15 m (0.49 ft.),</li> <li>6. Spatial resolution (IFOV) – 0.90 m rad/pixel,</li> <li>7. Lens identification - Automatic</li> <li>8. Image frequency range – up to 30 Hz</li> <li>9. Focus–Continuous, one shot &amp; manual</li> <li>10. Digital zoom – 1-4x continuous</li> <li>11. Detector type -Focal plane array (FPA), uncooled microbolometer</li> <li>12. Spectral range between 7.5–14 μm</li> <li>13. Display –Touch screen around 4.0 in and LCD around 640 × 480 pixels</li> <li>14. Auto –Orientation</li> <li>15. Programmable buttons</li> <li>16. Image adjustment –Automatic and manual</li> <li>17. Image modes - IR image, visual image, MSX, picture in picture, thumbnail gallery</li> <li>18. Multi Spectral Dynamic Imaging (MSX) system required</li> <li>19. Picture in Picture –Resizable &amp; movable IR area on visual image</li> <li>20. Object temperature range - –20°C to 1200°C (572–2192°F)</li> <li>21. Accuracy - ±2% of reading</li> <li>22. Spotmeter must be provided</li> <li>23. Automatic hot/cold spot detection facility required</li> <li>24. Color alarm (isotherm) facility must be provided</li> <li>25. Temperature difference measurement function required</li> <li>26. Selection of reference temperature can be done Manually or captured from any measurement function</li> <li>27. Emissivity correction with material list must be provided</li> <li>28. Automatic external optics/windows correction based on inputs of optics/window transmission and temperature must be available</li> <li>29. Screening range between 0.2°C to 0.5°C accuracy @37°C (98.6°F) with reference</li> <li>30. Measurement corrections facility required</li> <li>31. Color palettes - Arctic, Gray, Iron, Lava, Rainbow and Rainbow HC</li> <li>32. Image storage facility must be provided</li> <li>33. Remote control operation facility must be provided</li> <li>34. Voice Annotation ( 60 second approx)</li> <li>35. Text Annotation - Text from predefined list or soft keyboard on touch screen</li> <li>36. Visual image annotation facility required</li> <li>37. Facility of Sketch from touch screen should be available</li> <li>38. Compass facility required</li> <li>39. Laser distance meter information facility required</li> <li>40. Area measurement information facility required</li> <li>41. Inbuilt GPS unit must be interface with camera</li> <li>42. Measurement reading should be interlink</li> <li>43. Software should be provided for the report/graph generation</li> <li>44. Radiometric infrared-video recording - RTRR (.csq) facility must be provided</li> <li>45. Non-radiometric IR video recording to memory card facility must be provided</li> <li>46. Inbuilt advanced memory card /SD card system</li> <li>47. Provided with facility of visual video recording to memory card</li> <li>48. Radiometric IR video streaming over UVC or RTSP (Wi-Fi)</li> <li>49. Non-radiometric IR video streaming - (AVC) over RTSP (Wi-Fi), MPEG4 over RTSP (Wi-Fi), MJPEG over UVC and RTSP (Wi-Fi)</li> <li>50. Visual video streaming required</li> <li>51. Built-in digital camera with minimum 5 MP with LED light</li> <li>52. Laser - Activated by dedicated button</li> <li>53. Wi-Fi - Peer-to-peer (ad hoc) or infrastructure (network)</li> <li>54. Interfaces - USB 2.0, Bluetooth, Wi-Fi, DisplayPort</li> <li>55. Video out –Display Port</li> <li>56. Battery type - Rechargeable</li> <li>57. Battery operating time – range from 2 hours to 2.5 hours at 25°C (68°F) and typical use</li> <li>58. Inbuilt charging system of battery is required</li> <li>59. Maximum Charging time between 2 to 2.5 hours to 90% capacity, charging status indicated by LED's</li> <li>60. Power management - Automatic shutdown and sleep mode (user selectable)</li> <li>61. AC operation - AC adapter, 90–260 VAC input, 50/60 Hz</li> <li>62. Operating temperature range - –15°C to +50°C (+5°F to +122°F)</li> <li>63. Storage temperature range - –40°C to +70°C (–40°F to +158°F)</li> <li>64. Humidity (operating and storage) - EC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) / 2 cycles</li> <li>65. File format jpg</li> <li>66. Swappable Li-Io Battery</li> <li>67. Spot Measurement mode</li> <li>68. Simultaneous storage of IR/Visual/MSX images</li> <li>69. The setup should include power supply/ charger with four plugs, rechargeable battery,</li> <li>70. All necessary software, USB cable and accessories "</li> <li>71. Warranty (Camera) – 3 Years</li> <li>72. Warranty (Detector) – 10 Years</li> </ol>



**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)
<b>Total Cost</b>							

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. \_\_\_\_\_