

**KANNUR UNIVERSITY**  
**THAVAKKARA, CIVIL STATION P.O.,**  
**KANNUR, KERALA - 670002**

**Tel: 0497271 5321,**

**e-mail: registrar@kannuruniv.ac.in, sopmub@kannuruniv.ac.in**

**NOTICE INVITING E-TENDER**

The Registrar, Kannur University invites e-tender(s) in **Two Bid System (Two cover)** for the **Supply, Installation, Testing and Commissioning of Wearable Devices and Health and Fitness Tracker, Portable Body Composition Analyser and Harpenden Calliper** at School of Physical Education and Sports Sciences, Mangattuparamba Campus, Kannur University, Mangattuparamba Campus P.O., Kannur - 670 567 (under ANRF PAIR Project), from **original equipment manufacturers (OEMs) or authorized distributors/dealers** as per the technical specifications and schedule given below. The rate quoted should be inclusive of all taxes, installation charges and other charges. **The Registrar, Kannur University reserves the right to accept or reject the tenders without assigning any reason thereof.** The list of equipment/accessories proposed to be purchased, including its quantity and specifications are furnished in the schedule of items given below. Since this is an e-tender, only those bidders who have enrolled in the <http://etenders.kerala.gov.in> portal with their own Digital Signature Certificate (DSC) can participate in the tender. E-Tender document and other details can be obtained from the above e-portal.

**TENDER SCHEDULE**

<b>E-tender ID</b>	<b>2026_KnrU_830103_1</b>
<b>Description of Work</b>	<b>Supply, Installation, Testing and Commissioning of Wearable Devices and Health and Fitness Tracker, Portable Body Composition Analyser and Harpenden Calliper</b>
<b>Start date and time</b> for online submission of e - Tender	<b>24.01.2026, 6 PM</b>
<b>Last date and time</b> for online submission of e - Tender	<b>10.02.2026, 3 PM</b>
<b>Date and time of tender opening</b>	<b>12.02.2026, 3 PM</b>
<b>Tender fee (Excluding GST)</b>	<b>₹ 1700/-</b>
<b>Earnest Money Deposit (EMD)</b>	<b>₹ 10,966/-</b>
<b>Place of supply and installation</b>	School of Physical Education and Sports Sciences, Mangattuparamba Campus, Kannur University, Mangattuparamba Campus P.O., Kannur - 670 567



**TECHNICAL SPECIFICATION**

<b>ITEM 1 - WEARABLE DEVICES AND HEALTH AND FITNESS TRACKER</b>	
<b>1.1. Wearable Health &amp; Activity Monitoring Device</b>	<b>Quanity - 6</b>
* Wrist-worn wearable system designed for continuous 24/7 monitoring.	
* Continuous monitoring of :	<ul style="list-style-type: none"><li>• Heart rate (HR)</li><li>• Heart rate Variability (HRV)</li><li>• Blood Oxygen Saturation (SpO<sub>2</sub>)</li><li>• Skin Temperature</li><li>• Respiratory Rate</li><li>• Sleep metrics</li><li>• Activity metrics</li></ul>
* <b>Integrated sensors shall include:</b>	<ul style="list-style-type: none"><li>• Optical Heart Rate sensor</li><li>• Pulse Oximeter (SpO<sub>2</sub> sensor)</li><li>• Temperature sensor</li><li>• Accelerometer</li><li>• Gyroscope</li></ul>
* <b>Water resistance:</b> Minimum <b>5 ATM</b> , suitable for swimming	
* <b>Platform compatibility:</b> Must be compatible with both <b>Android and iOS</b>	
* <b>Battery life:</b> Minimum <b>10–14 days</b> under normal operating conditions	
* Device shall pair with a <b>mobile application</b> for data synchronization and analysis	
* <b>Subscription requirement:</b>	<ul style="list-style-type: none"><li>• Procurement shall include a minimum of <b>twelve (12) months subscription</b>.</li><li>• Subscription shall provide access to <b>advanced analytics</b>, including:<ul style="list-style-type: none"><li>◦ Recovery insights</li><li>◦ Sleep analysis</li><li>◦ Stress monitoring</li><li>◦ Health and wellness insights</li></ul></li></ul>
<b>1.2. Wearable Health &amp; Activity Monitoring Device</b>	<b>Quantity - 6</b>
* Heart rate monitoring shall be performed using a chest-strap, ECG-based heart rate sensor or equivalent	
* Sensor shall be compatible with Android and iOS platforms	
* Device shall support the following connectivity options:	



- ANT+
- Bluetooth Low Energy (BLE)
- 5 kHz transmission

\* **Battery life:** Minimum 400 hours under normal operating conditions

\* **Water resistance:** Up to 30 meters, suitable for swimming

\* **Operating temperature range:** -10 °C to +50 °C

\* Device shall support firmware updates via a mobile application

### 1.3. EEG Neuro Feedback Headband      Quantity - 1

\* Wearable, non-invasive EEG neurofeedback headband

\* Capable of real-time EEG signal acquisition

\* Provides real-time neurofeedback based on brain activity

\* Supports focus enhancement through EEG-based training

\* Supports relaxation and stress regulation through real-time feedback

\* Includes dry EEG electrodes (no gel required)

\* Provides wireless Bluetooth connectivity

\* Compatible with Android and iOS platforms

\* Supplied with dedicated software for:

- EEG signal visualization
- Neurofeedback training sessions
- Session recording and analysis

### 1.4. Hydration Monitoring System      Quantity - 1

\* Wearable hydration monitoring biosensor system

\* Includes a rechargeable biosensor pod weighing less than 0.5 ounces

\* Supplied as a full training bundle consisting of:

- One (1) sensor pod
- One (1) charging case
- One (1) USB charging cable
- Minimum of four (4) sweat-sensing patches

\* Designed for sweat-based hydration monitoring

\* **Battery life:** Minimum up to 36 hours of continuous operation per full charge

## ITEM - 2. PORTABLE BODY COMPOSITION ANALYSER AND HARPENDEN CALLIPER

### 2.1. Body Composition Analysis Machine      Quantity 1

\* Should have a height measurement range of at least 100-210 cm and weight range 250 Kg.

\* Should support multiple frequency ranges up to 100 kHz or more for accurate readings

\* Should provide measurement results in under 1 minute for efficiency.



*	Should offer input options via both touchpad and keypad for user convenience.
*	Should have a measurement current of approximately $300 \mu\text{A} \pm 30$ for precise operation.
*	Should feature an LCD display for clear and easy-to-read results with separate PC software for analysis.
*	Body Composition Analysis (Total Body Water, Protein, Minerals, Body Fat Mass, Weight)
*	Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass)
*	Obesity Analysis (Body Mass Index, Percent Body Fat)
*	Segmental Lean Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg)
*	Segmental Fat Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg)
*	Body Composition History (Weight, Skeletal Muscle Mass, Percent Body Fat)
*	Body Score Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control)
*	Obesity Evaluation (BMI, Percent Body Fat)
*	Waist-Hip Ratio (Graph) Visceral Fat Level (Graph)
*	Fat Free Mass, Basal Metabolic Rate, Obesity Degree, SMI
*	Recommended calorie intake per day and Calorie Expenditure of Exercise.
*	Impedance (Each segment and each frequency)
*	<b>Warranty - 3 years</b>

## 2.2. Harpenden Calliper Quantity - 1

*	Harpenden Skinfold Calliper - measuring range 0 - 80 mm
*	Range - 80 mm
*	Resolution : 0.20 mm
*	Repeatability : 0.20 mm
*	Accuracy : 99 %

## Terms and Conditions

1. The tender fee and EMD should be remitted online (SBI MOPS), as indicated on the e-tender website. **The 18% GST on the tender fee must be remitted directly to the GST department by the bidder.**

Sl. No	Description of Item	Tender Fee in Rupees (₹)			EMD (₹)
		Excluding GST	GST (18 %)	Total (₹)	
1	Supply, Installation, Testing and Commissioning of Wearable Devices and Health and Fitness Tracker, Portable Body Composition Analyser and Harpenden Calliper	₹ 1,700/-	₹ 306	₹ 2,006/-	₹ 10,966/-

2. All the MSMEs with Udyog Aadhar Registration or any other body specified by the Ministry of Micro, Small and Medium Enterprises **working within the state of Kerala will be exempted from the payment of Tender Fee and EMD**. Only Manufacturers for Goods and Service Providers for Services are eligible for EMD/Tender fee exemption under MSME category.



3. Custom Clearance of the consignment including all the stages of custom clearance will be under the purview of supplier.
4. The tender should be submitted in two cover system (Technical bid & Financial bid).
5. The successful bidder shall, before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to **5 % of the value of the contract** by way of Demand Draft drawn in favour of the Finance Officer, Kannur University payable at SBI Kannur Branch or Kannur Branch of other Nationalized or Scheduled bank, **as performance security** for the satisfactory fulfilment of the contract.
6. The bidder should be registered company/firm. Certificate of incorporation/Company registration certificate/Memorandum and Articles of Associations/Valid GST registration certificate/Valid Income tax registration certificate/Valid Service tax registration certificate should be uploaded/submitted along with the tender.
7. The bidders shall keep their rate firm for a period of **120 days**.
8. Profile of Bidder as per Annexure 1 shall be provided.
9. The bidder should have the responsibility to attend the first level service if any complaint report. The bidder should provide minimum one preventive maintenance during warranty period. Relevant documents or undertaking signed by the personnel with address and contact person's name, phone no, and URL of complaint logging website to be submitted in case, if the bidder doesn't have their own service centre in Kerala and the bidder authorize another service centre/service engineers for attending service.
10. The earnest money deposit (EMD) of the unsuccessful bidders will be returned through ONLINE Transaction and the EMD of successful bidders will be discharged upon the bidder executing the contract and furnishing the security deposit that will have to be deposited for the satisfactory fulfilment of the contract.
11. **Forfeiture of EMD:**
  - (i) If any bidder withdraws from his tender before the expiry of the bid validity period specified **or**
  - (ii) in case after being successful bidder, he/firm fails to sign the contract, and to furnish the performance security.
12. The bid shall contain detailed technical specifications, Brochures and pamphlets of the item/items quoted.
13. All the claimed specifications (make, model, year of manufacture, warranty etc.) should be mentioned in the Brochure or Catalogue of the equipment.
14. All charges, taxes, duties and levies should be clearly indicated and the rate tendered should be inclusive of all taxes and other charges.
15. The installation, commissioning and the initial operation will be the responsibility of the supplier.
16. In case of under performance during the warranty period, the item should be replaced and the period of warranty will recommence from the date of replacement.
17. **The payment will be made after completion of supply, installation, testing and commissioning.**
18. The final acceptance of the tenders rests entirely with the Kannur University who do not bind themselves to accept the lowest or any tender.
19. Communication of acceptance of the tender normally constitutes a concluded contract. Nevertheless, the successful bidder shall also execute an agreement for the due fulfilment of the contract within the period to be specified in the letter of acceptance. In cases where a successful bidder, after having made partial supplies fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Registrar, be purchased by means of another tender/quotation or by negotiation or from the next higher bidder who had offered to supply already and the loss, if any, caused to the University shall thereby together with such sums as may be fixed by the University towards damages be recovered from the defaulting bidder.
20. The bidder shall undertake to supply materials according to the standard sample and /or specifications.
21. No representation for enhancement of rates once accepted will be considered.
22. The prices quoted should be inclusive of all taxes, duties, cess etc., which are or may become payable by

the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

**23.** Special conditions, if any, of the bidders attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

**24.** The bidder shall quote their rate in the standard BOQ provided, indicating the break up details.

**25.** The provisions of Kerala Stores Purchase Manual are applicable to this Tender and further proceedings.

**26.** The University reserves all rights to accept or reject any or all the tenders without assigning any reason whatsoever at its discretion.

**27.** The bids shall be opened online at Kannur University on the date mentioned in Invitation Bid. If the date fixed for opening happens to be a holiday/due to net failure/ due to technical issue, the tenders will be opened on the next working day, at the same time.

**28.** Prices shall be quoted in Indian currency only.

**29.** Bidders must not be blacklisted by any Government or Public Sector Undertaking (PSU).

**30.** The bidder must have completed minimum of two such installations in any Government Organization/ Public Sector Undertakings/ Educational Institutions in India within last 5 years.

**31.** Spare/ accessory support for a minimum period of 10 years should be provided by the supplier.

Further Informations regarding the specification can be obtained from **Prof. Anil Ramachandran, HoD,**

**Department of Physical Education and Sports Sciences, Ph: 9447027990, email : anilr@kannuruniv.ac.in.**

**GST No. of Kannur university : 32AAAGK0152J1ZT**

**DOCUMENTS TO BE SCANNED AND UPLOADED**

1. Bidder Profile (as per format mentioned in Annexure 1)
2. Bid Particulars (as per format mentioned in Annexure 2)
3. Preliminary Agreement in Kerala Stamp paper of ₹200/- as per format mentioned in Annexure 3)
4. Form of Tender (as per format mentioned in Annexure 4)
5. Integrity Pact (as per format mentioned in Annexure 5)
6. Copy of GST payment receipt to Kerala GST department (18% of Tender Fee). (MSME Firms - Upload MSME certificate/ UDYAM registration certificates (Refer T&C No.2)
7. Scanned copy of valid registration certificate (GST) & PAN Card
8. Scanned copy of relevant Brochure of the equipment including make & model, compliance sheet with catalogue page number and original catalogue and copy of its certifications like ISO certification.
9. Valid authorization certificate from OEM (in case of resellers)
10. Warranty certificate/details
11. Details of Service Centres in India
12. Non blacklisting declaration by the bidder
13. Details of previous installations in India within last 5 years. (Refer T&C No. 30)
14. Declaration regarding Spare/Accessory Support
15. Other certificates/declarations



Sd/-

Prof. (Dr.) Joby K Jose  
Registrar



**ANNEXURE 1****BIDDER PROFILE**

Sl.No.	Particulars
<b>Details of bidder (Firm/Company)</b>	
1	Name
2	Address
3	Telephone & Mobile Number
4	Email & website
<b>Details of Authorized Person</b>	
5	Name
6	Address
7	Telephone & Email
<b>Information about the company</b>	
8	Status of Company (Public Ltd. / Pvt. Ltd)
9	Details of Registration of Firm (Provide Ref.)
10	Number of Professionals
11	Location and address of offices (in India & overseas)
12	Service Tax Registration Number
13	Income Tax Registration Number(PAN)
14	GST Registration Number

**Signature of the Bidder**

**ANNEXURE 2**  
**TECHNICAL BID (BID PARTICULARS)**

1. Tender Number :-----

2. Name of the Bidder :-----

3. Full Address of the Bidder :-----  
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4. Name of the actual signatory of the product(s) offered :-----

5. Bidder's proposal number and date :-----

6. Name & Address of the officer to whom all references shall be made regarding the Tender :-----

Telephone :-----

Mobile :-----

E-mail :-----

Bidder Signature Name -----

Designation -----

Company -----

Date -----



## ANNEXURE - 3

### PRELIMINARY AGREEMENT

Articles of agreement executed on this the ..... day of .....  
..... between the Registrar, Kannur University (hereinafter referred to as "the University") of the one part and Shri.....  
..... (H.E. name and address of the tenderer)  
(hereinafter referred to as "the bounden") of the other part.

WHEREAS in response to the Notification No..... dated ..... the bounden has submitted to the University a tender for the ..... specification therein subject to the terms and conditions contained in the said tender;

WHEREAS the bounden has also deposited with the University a sum of Rs.....` ..... as earnest money for execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by the University

NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by the University and the contract for ..... is awarded to the bounden, the bounden shall within .....days of acceptance of his tender execute an agreement with the University incorporating all the terms and conditions under which the University accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the University shall have power and authority to recover from the bounden any loss or damage caused to the University by such breach as may be determined by the University by appropriating the earnest money deposited by the bounden if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden his properties movable and immovable in the manner hereinafter contained.
3. All sums found due to the University under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the University may deem fit.



In witness where of Shri..... (name and designation) for and on behalf of the University and Shri.

..... Bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri. .... (date) .....

In the presence of witnesses:

1. ....
2. ....

Signed by Shri. .... (date) .....

In the presence of witnesses:

1. ....
2. ....



## ANNEXURE – 4

### **FORM OF TENDER**

**Name of Work:** Supply, Installation, Testing and Commissioning of Wearable Devices and Health and Fitness Tracker, Portable Body Composition Analyser and Harpenden Calliper

From,

.....  
.....  
.....

To,

The Registrar,  
Kannur University,  
Thavakkara, Kannur.

Sir,

I/We do hereby tender to execute the works enumerated in the Schedule accompanying in accordance the terms in your tender Notification.....date.....and specifications and conditions of contract in the bidding document.

In consideration I/We being invited to tender, I/We agree to keep the tender open for acceptance 120 days from the date of submission thereof and not to make any modifications in its terms and conditions which are not acceptable.

I/We agree that the tender inviting authority shall, without prejudice to any other right or remedy be at liberty to forfeit the earnest money/ Bid security absolutely and also recover from me/us the entire loss that may be caused to the Kannur University by the retender or rearrangement of the work or otherwise under the provision of the Revenue Recovery Act or otherwise.

Signature :

Full Name & Address of Bidder :



ANNEXURE - 5

Integrity Pact

CERTIFICATE

I/We.....undertake that the tender submitted by us is downloaded from the website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) and any deviation, if detected, at any stage, would entitle the Employer to reject our bidding/offer without assigning any reason or recourse to any penal action and would be legally binding on us.

Signature ..... (of tenderer)

Seal .....

