



UNIVERSITY OF KERALA

Thiruvananthapuram, Kerala, India – 695034

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act of 1974 passed by the Kerala State Legislative Assembly)
(Re-accredited by NAAC with A++ Grade)

Tender Document for

*Supply, Installation, Testing and Commissioning of Wi-Fi Facility at the FYUG
Men's Hostel, University of Kerala, Kariavattom*



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1.

Bidder Details

| | |
|--|--|
| Registered Name and Address of bidder | |
| Address for communication | |
| <u>Other contact information</u> Telephone Office : Mobile : Email : FAX : | |



No.2026

2.

E-Tender Notice

Sealed quotations are invited from reputed firms for Supply, Installation, Testing and Commissioning of Wi-Fi Facility at the FYUG Men's Hostel, University of Kerala, Kariavattom Campus through e-Tender website www.etenders.kerala.gov.in/ only, as per the minimum specification, scope of work and terms of condition mentioned in the document.

| | | |
|-----|---|---|
| 1. | Name of work /Items | Tender for Supply, Installation, Testing and Commissioning of Wi-Fi Facility at the FYUG Men's Hostel, University of Kerala, Kariavattom Campus |
| 2. | Tender No. | No.Ad.B II/3/2461/2026 |
| 3. | Cost of tender form/ Tender Submission Fee | Rs. 1,614/- (Rs. One Thousand Six Hundred and Fourteen only) |
| 4. | Earnest Money Deposit | Rs. 6,840/- (Rs. Six Thousand Eight Hundred and Forty only) |
| 5. | Period of Completion | 45 days |
| 6. | Documents to be submitted. | See Section 3. |
| 7. | Start Date of issue | 15.06.2026 |
| 8. | Last Date of receipt of Tender/ Bid closing | |
| 9. | Date and time of Opening of tender | |
| 10. | Contact details for Technical Clarification | The Instrumentation Engineer, CLIF, University of Kerala, Kariavattom Campus, Thiruvananthapuram-695581 email: Instrumentation engineer@keralauniversity.ac.in Phone: 2308566 |

The interested bidders can download the Tender document free of cost from the e-GP Website www.etenders.kerala.gov.in . A bid submission fee and EMD should be remitted online. All bid/ tender documents are to be submitted online only and in the designated cover/ envelope on the e-GP website. Technical bid and financial bid shall be submitted in the designated online cover. Detailed Terms and conditions and Technical Specifications are available in Tender document.

The bids shall be opened online at the office of the Registrar, Kerala



University on date mentioned above. If the above date of opening tender happens to be on a holiday or due to any other valid reason, the tender opening process will be done on the next working day or the day fixed by the undersigned.

Date:08.06.2026
Place : Palayam

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3. **General Tender Terms & Conditions for e-Procurement**

This tender is an e-Tender and is being published online for Supply, Installation, Testing and Commissioning of Wi-Fi Facility at the FYUG Men's Hostel, University of Kerala, Kariavattom Campus. The tender is invited in 2 (Two) cover system from the registered and eligible firms through e-procurement portal of Government of Kerala (<https://www.etenders.kerala.gov.in>). Prospective bidders willing to participate in this tender shall necessarily register themselves with above mentioned e-procurement portal.

The tender time line is available in the critical date section of this tender published in www.etenders.kerala.gov.in.

A. Online Bidder registration process:

Bidders should have a Class II or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on www.cca.gov.in. Once, the DSC is obtained, bidders have to register on www.etenders.kerala.gov.in website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

Bidders may contact e-Procurement support desk of Kerala State IT Mission over telephone at 0471-577088 / 188/388 or 0484-2336006, 2332262 or 0497-2764788, 2764188 or 0483-273294 or through email: etendershelp@kerala.gov.in or helpetender@gmail.com for assistance in this regard.

B. Online Tender Process:

The tender process shall consist of the following stages:

- 1. Downloading of tender document:** Tender document will be available for free download on www.etenders.kerala.gov.in. However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document.
- 2. Publishing of Corrigendum:** All corrigenda shall be published on www.etenders.kerala.gov.in and shall not be available elsewhere.
- 3. Bid submission:** Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on www.etenders.kerala.gov.in. No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.
- 4. Opening of Technical Bid and Bidder short-listing:** The technical bids will be opened, evaluated and shortlisted as per the eligibility and technical qualifications. All documents in support of technical qualifications shall be submitted (online). **Failure to submit the documents online will attract disqualification.** Bids shortlisted by this process will be taken up for opening the financial bid.
- 5. Opening of Financial Bids:** Bids of the qualified bidder's shall only be considered for opening and evaluation of the financial bid on the date and time mentioned in critical date's section.

C. Documents Comprising Bid:

i. The First Stage (Pre-Qualification or Technical):

1.1 Eligibility for Pre-Qualification Cum Technical Bid of Supply and Installation of Structured networking at the new block of Department of Physics, University of Kerala, Kariavattom Campus

1.2 Submission of Non-Refundable Tender Fee in e-payment mode as per the instructions given in the website



1.3 Submission of Refundable Earnest Money Deposit in Fee in e-payment mode as per the instructions given in the website. Exemption Certificate if any shall be uploaded.

1.4 Bidders who are black listed by State / Central Government departments and organizations are not eligible to participate in this tender and such bids will be summarily rejected.

1.5 Bids containing Products of black listed companies will also be rejected

1.6 All equipments should be from a reputed OEM of non Chinese origin as per MHA guide lines

1.7 Documents to be submitted

1. GST Registration Certificate of the Firm.
2. PAN details of the Firm.
3. Tender Fee paid Details.
4. EMD Paid Details.
5. Experience Certificate/ Work Completion Certificate from End user Regarding the Completed (one networking) work not less than Rs.5,00,000/- (Purchase order is not acceptable) within a period of last 3 years.
6. Signed Tender form (with bidder details filled) as acceptance of terms and conditions.
7. **Make and Model against BOM Items. (As in attached format - Annexure 1)**
8. **Datasheet for Network switches, WiFi Controller Controller, Access points..etc**

The documents shall be submitted in above order

The University of Kerala doesn't take any responsibility for any technical snag or failure that has taken place during document upload.

ii. **The Second Stage (Financial Cover):**

The Bidder shall complete the Price bid as per format given for download along with this tender.

1. Bill of Quantities (BoQ in .xls format)

Note: The blank price bid should be downloaded and saved on bidder's computer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

Fixed price: Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/ variable price quotation will be treated as non-responsive and rejected.

D. Tender Document Fees and Earnest Money Deposit (EMD)

The Bidder shall pay a tender document fees and Earnest Money Deposit or Bid Security as mentioned in the notice inviting tender. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.



Online Payment modes: The Tender Fee and EMD can be paid in the following manner through e-Payment facility provided by the e-Procurement system:

- I. a. i. **State Bank of India (SBI) Internet Banking:** If a bidder has a SBI internet banking account, then, during the online bid submission process, bidder shall select SBI option and then select Internet banking option. The e-Procurement system will re-direct the bidder to SBI's internet banking page where he can enter his internet banking credentials and transfer the EMD amount.
- ii. **National Electronic Fund Transfer (NEFT) / Real Time Gross Settlement (RTGS):** If a bidder holds bank account in a different bank, then, during the online bid submission process, bidder shall select NEFT / RTGS option. An online remittance form would be generated, which the bidder can use for transferring amount through NEFT / RTGS either by using internet banking of his bank or visiting nearest branch of his bank. After obtaining the successful transaction receipt no., the bidder has to update the same in e-Procurement system for completing the process of bid submission. Bidder should only use the details given in the Remittance form for making a NEFT / RTGS payment otherwise payment would result in failure in e-Procurement system.

As NEFT payment status confirmation is not received by e-Procurement system on a real-time basis, bidders are advised to exercise NEFT mode of payment option at least 48 hours prior to the last date and time of bid submission to avoid any payment issues.

For RTGS the timings that the banks follow may vary depending on the customer timings of the bank branches and settlement from RBI. Bidders are advised to exercise RTGS mode of payment at least 24 hours prior to the last date and time of bid submission to avoid any payment issues.

4. **Scope of the Work**

The supplier shall supply, install, and commission the complete network system as detailed in Annexure 1. This includes the supply, laying, and termination of Optical Fiber Cables (OFC), as well as the supply, installation, and configuration of network switches and wireless access points. The scope also involves the termination of cables at. The below material is minimum components required for the work. The supplier must ensure the system is fully operational. If any additional components or accessories are required for the satisfactory completion and functionality of the network, they shall be included and provided by the supplier. The supplier shall ensure that all components meet the required standards and are compatible with the existing infrastructure for seamless integration and optimal performance.

Bill of Material- Annexure 1

| Four year UG Hostel for Men - Kariavattom - Supply and Installation of WiFi Facility - Estimates | | | | | |
|--|--|-----|------|------|-------|
| Active/Passive Components | | | | | |
| Sl. No. | Item | Qty | Unit | Make | Model |
| 1 | Outdoor armored 10 G (OS2) Optical Fiber cable 6 Core, Single mode, suitable for overhead laying. (Molex/ Commscope) | 250 | Mtr | | |
| 2 | 6 port fully loaded LIU with Loaded pigtailed and LC couplers, Rack mountable (10 G Compatible). (Molex/Commscope) | 2 | Nos. | | |



| | | | | | |
|----|---|-----|------|--|--|
| 3 | LC - LC Single mode Optical Fibre patchcord 3 mtr (10 G Compatible). (Molex/Commscope) | 3 | Nos. | | |
| 4 | Cat6 UTP Cable (Molex/Panduit/ Commscope) | 900 | Mtr | | |
| 5 | Information Outlet (Molex/ Panduit/ Commscope) | 18 | Nos. | | |
| 6 | Single socket faceplate | 18 | Nos. | | |
| 7 | 3/3 SMB (box) | 18 | Nos. | | |
| 8 | 20 mm White ISI PVC Pipe with accessories | 250 | Mtr. | | |
| 9 | 25 mm White ISI PVC Pipe with accessories | 280 | Mtr. | | |
| 10 | 9Ux500x550 wall mount Network rack with accessories including power sockets and fan (Netrack/Rittal/Dlink or equivalent) | 1 | No. | | |
| 11 | Cable Manager | 2 | Nos. | | |
| 12 | 24 port Cat 6 patch panel - Fully loaded (Molex/Panduit/ Commscope) | 1 | No. | | |
| 13 | <p>Centralized WiFi Controller Hardware Specifications CPU : Quad-core processor, RAM: 2 GB, Internal Storage: 8 GB , Ethernet Ports: 2 x 10/100/1000 Mbps (Gigabit) Ethernet port, Interface : Kensington Lock; Reset Switch</p> <p>Software and Management</p> <ul style="list-style-type: none"> • Management Interface: Web-based interface accessible through a browser • Cloud Management: Remote access and management via cloud platform <p>Features required</p> <ul style="list-style-type: none"> • Centralized Management: Unified control for managing multiple network devices • Network Optimization: Includes features like VLAN support, QoS, and bandwidth control. • Guest Network Management: Tools for creating and managing guest networks, including captive portals and access controls. • Analytics and Reporting: Provides insights into network performance, usage, and health. • Security: Includes security features such as encryption, firewall policies, and intrusion prevention. <p>Warranty : 3 year onsite, Cerifications:CE, FCC, RoHS Preferable Brands : Aruba/Ruckus/TP-Link/Ubiquiti/Ruijie</p> | 1 | No. | | |
| | <p>Wireless Access point with mounting kit (Ceiling/Wall mountable) Dual Band Indoor Wireless Access Point compatible with item no. 13 (Should support Centralized Management and seamless roaming) - Wi-Fi 6, PoE+, Wall/Ceiling mount</p> | | | | |



| | | | | | |
|----|--|----|------|--|--|
| 14 | (with mounting kit), Supports DC (adapter) Data Rate : 1100 Mbps or above on 5 GHz and 550 Mbps or above on 2.4 GHz, Concurrent Users: 50 or above per access point, Signal coverage 1500 ft ² , Warranty : 3 year onsite Preferable Brands : Same make as item no. 15 | 18 | Nos. | | |
| 15 | 24 Port 1000 Mbps L2 Manageable Switch with 24 PoE+ ports having sufficient power output for connecting minimum 20 Access points and minimum 2 Nos of SFP ports, Lifetime Warranty warranty (HP/Netgear/TP- Link/D-Link/equivalent) | 1 | No. | | |
| 16 | 1 G SFP Transceiver (Should support HPE 1920-24G Switch-JG924A) | 1 | No. | | |
| 17 | 1 G SFP Transceiver (Should support switch mentioned in item number 15) | 1 | No. | | |
| 18 | Cat 6 1mtr Patch cord - (Molex/Panduit/ Commscope) | 48 | Nos. | | |
| 19 | Cat 6 2mtr Patch cord - (Molex/Panduit/ Commscope) | 3 | Nos. | | |
| 20 | 32 mm HDPE pipe with accessories | 50 | Mtr | | |
| 21 | 100mm , 2.5 M GI pole with necessary fabrication foroverhead laying of OFC | 2 | No | | |
| 22 | 2" GI Pipe with accessories | 5 | Mtr | | |
| 23 | Cast Iron OFC route marker | 3 | Nos. | | |
| 24 | 1 KVA Double battery UPS of minimum 30 min back-up with wall mount Stand (V Guard/ APC/ Hykon) | 3 | No. | | |

Datasheet for Network switches, WiFi Controller, Access points..etc should be submitted

NB: Refer BoQ excel for labor part.

Terms and conditions

1. The bidder shall quote the rate for item in the BoQ. Incomplete BoQ is liable to be rejected. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof
2. The Bidder shall quote price in clear terms. The rates quoted must be inclusive of all taxes, cost of supply at site, warranty and installation charges etc...
3. The price should be quoted only in Indian rupees.
4. All the documents mentioned in **section 1.7** shall be submitted without fail.
5. All the documents must be typed and clear.



6. **EMD and Tender Fee:** - The bidder shall furnish EMD and Tender Fee as mentioned in E-Tender Notice.
7. **Forfeiture of EMD:-** The EMD shall be forfeited if the successful bidder neither signed the agreement nor furnished the performance security
8. **Performance guarantee:-** A performance guarantee equal to **5%** of contract value shall be furnished by the bidder. The Performance guarantee will be forfeited if the firm failed to complete the term and condition and will be released only on successful completion of work and warranty.
9. **Validity:-** The Bid will be valid for 90 days from its date of opening. Further extension can be done by mutual consent.
10. **Delivery :-** All the items should be delivered at FYUG Men's Hostel, University of Kerala, Kariavattom Campus within **15 days** from the issue of purchase order
11. **Installation and commissioning:-** The items shall be installed and commissioned at University of Kerala, Kariavattom Campus
12. **Period of Completion:-** The work shall be completed within a period **45 days** from date of agreement.
13. **Payment:** - The University will release the payment only after inspecting the work and satisfy that the supply is as per the requirements and on the basis of actual quantity executed. The payment will be made after successful completion of the supply on producing invoice in triplicate. The final bill shall be based on the actual quantity of supply made.
14. **Delivery SLA and Penalties**
 - i. Supply of the network equipment shall be completed within 15 days from the date of placement of supply order at the site as mentioned in the Tender document.
 - ii. If the selected bidder fails to complete the task within the delivery period prescribed above, the delayed consignment will be subject to 2% penalty per consignment per month or part thereof recoverable on the value of stores supplied.
 - iii. In case of non-payment of penalty by the vendor, recovery will be made from his dues or Performance Bank Guarantee
 - iv. Where a part of consignment is rejected by University of Kerala subsequent to the inspection, the supplier will re-offer the material for inspection within 14 days from the date of issue of rejection note, after removing the defects. Any delay beyond the period of 14 days will invite a penalty @ 2% per month or a part thereof.
 - v. The unexcused delay in the completion of task by the selected bidder in the prescribed delivery period may render him liable to any or all of the following penalties: -
 - a. The penalty as per rule.
 - b. Forfeiture of earnest money/ PBG/Security Deposit.
 - c. Black listing or debaring from participating in any Tender released by Kerala Government in future.

15. **Warranty/Guarantee:-**

- a. The Warranty of Switches, access points and Optical transceivers



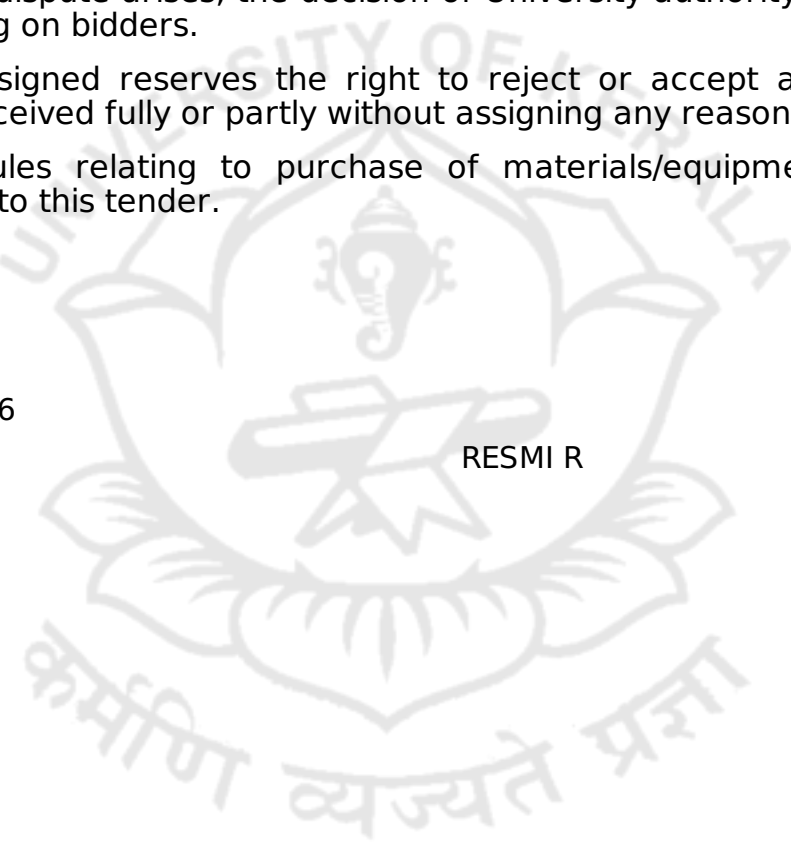
shall be Next Business Day warranty.

- b. **Switches shall be provided with Lifetime Warranty/ minimum 5 year warranty.**
 - c. **The Wifi controller and Access points shall be provided with 3 year warranty/ end user support**
 - d. **All other components including work should have minimum 1 year warranty.**
16. **Force Majeure** : If the selected bidder is prevented from performing any of its services under the Contract Agreement due to causes such as fire, Acts of God, or elements, embargoes, governmental orders, the selected bidder shall be excused from the non-performance of its obligations during the period that such cause continues to exist, but if such cause continues to exist and prevents performance by the selected bidder of its obligations for more than 60 days, University of Kerala may terminate the Contract Agreement in whole or part thereof effective upon delivery to the selected bidder of written notice of such termination. Upon termination of the Contract Agreement under this Section, the provisions regarding consequences of cancellation set out in this Tender here in before shall apply
17. In case of dispute arises, the decision of University authority shall be final and binding on bidders.
18. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
19. General rules relating to purchase of materials/equipments will also applicable to this tender.

Date: 08.06.2026

Place : Palayam

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The document is digitally approved. Hence signature is not needed.

