

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

CENTRAL COMPUTER CENTRE
 POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)
 Phone: (0824) 2474000. Fax: (0824) 2474033
 E- mail: pic.ccc@nitk.edu.in Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: NITK/CCC/GPON-ONU/ONT/2024-25/DOC4

Dated: 14/11/2024

Name of Goods	GPON ONU/ONT with Wifi support
Estimated Amount	Rs. 4,80,000/- (including GST)
EMD Amount (2% of estimated amount) (Applicable for estimate above 2.5 lakhs)	Rs. 9,600/-
Time for Supply of item after release of Purchase order	15 days
Document Download / Sale Start Date	14/11/2024, 05.00 PM
Clarification Start Date	14/11/2024, 05.00 PM
Clarification End Date	22/11/2024, 05.00 PM
Bid Submission Start Date	14/11/2024, 05.00 PM
Last Date for submission of bids	29/11/2024 before 3.00 PM
Bid Opening Date	02/12/2024, 3.00 PM
Address for Submission of bids	Mr. M.N. Shanthakumar, Technical Officer, Central Computer Centre (CCC), NITK, Surathkal Post Srinivasnagar, Mangalore-575025, Ph.No: 0824-2473947



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

CENTRAL COMPUTER CENTRE

POST SRINIVASNAGAR, MANGALORE – 575 025

Phone: (0824) 2474000

E- mail: pic.ccc@nitk.edu.in

Fax: (0824) 2474033

Website: <http://www.nitk.ac.in>

Notification No: NITK/CCC/GPON-ONU/ONT/2024-25/DOC4

Dated: 14/11/2024

NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

Name of Goods	GPON ONU/ONT with Wifi support
Estimated Amount	Rs. 4,80,000/- (including GST)
EMD Amount (2% of estimated amount) (Applicable for estimate above 2.5 lakhs)	Rs. 9,600/-
Time for Supply of item after release of Purchase order	15 days
Document Download / Sale Start Date	14/11/2024, 05.00 PM
Clarification Start Date	14/11/2024, 05.00 PM
Clarification End Date	22/11/2024, 05.00 PM
Bid Submission Start Date	14/11/2024, 05.00 PM
Last Date for submission of bids	29/11/2024 before 3.00 PM
Bid Opening Date	02/12/2024, 3.00 PM

Sd/-
[Signature of HOD with Seal]

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.
9. **Delivery Period:** The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of the contract on account of non - performance by the Supplier would entitle the Buyer to forfeit the EMD/Performance Security besides other actions such as debarment from the Institute as per GFR 2017.
10. **Liquidated Damages:** Timely delivery is the essence of the contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ **1% per week or part of the week of the delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
11. The bidder needs to comply with restrictions under rule No 144 (xi) of GFR (General Financial Rules) 2017 and the clause pertaining to Public Procurement Division Order (Public Procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 and 24.07.2020 of Dept of Expenditure (DOE), Ministry of Finance). In this Connection Bidder has to submit Self Certification (as per Annexure A or B), depending on the status of the bidder.
12. The bidder needs to submit a Self-certification in line with Make in India, Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P 45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and P45021/2/2017- PP (BE – II) dated 16.09.2020 of DPIIT, Ministry of Commerce & Industry.

The Bidder who will not meet this criterion will be rejected in the technical bid. The Self-certification should be provided as per Annexure C.

13. EMD must be in the form of Bank Guarantee **Annexure-D** (Fixed Deposit Receipt/Insurance surety bonds/DD/e-Payment mode (through Credit/Debit cards / Net Banking). It will be valid for 180 days from the date of opening of the tender. In case of EMD payment made through E-Payment, UTR Number with details should be uploaded. The firm registered with MSME/NSIC as per MSME procurement policy order 2012 will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
- a. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s). In the case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the Bidders.
 - b. The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
 - c. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.
 - d. Bidder should prepare the EMD as per the instructions specified in the tender document. The original EMD should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission as specified in the tender documents. The details of the BG/DD/FD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
14. **Performance Security:** The successful bidder shall deposit performance security of 3% of the quoted price in the form of Bank Guarantee (**ANNEXURE-E**) / Demand Draft / Fixed Deposit Receipt of any scheduled bank drawn in favour of **The Director, NITK Surathkal, Mangaluru** payable at Mangaluru. In case the bidder fails to deposit the said Performance Security within the stipulated period, including the extended period if any, the Earnest Money Deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
- a. **Successful bidder should submit performance Security as prescribed above to the purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.**
 - b. Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded, or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.

c. The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.

d. The validity of the Performance Security must cover the warranty period plus two months.

15. Abnormally quoted low bid will be liable for rejection as per the OM No.F.12/17/2019-PPD of Department of Expenditure, Ministry of Finance dated 6th February 2020.

*****Disclaimer***** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS
[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured : GPON ONU/ONT with Wifi support

Brief Specifications of the Item(s)
(Annexure-F) : Attached

Quantity : 225 Nos.

Any other details / requirement :

Warranty Period required : 3 years

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : 15 days

Performance Security to be given
by Successful Bidder after release of
Purchase Order (in Rupees) : 3% of Purchase Order
(applicable for estimate Above 2.5 lakhs)

**SECTION 3
PRICE SCHEDULE**

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
(Conforming to the Schedule of requirements)
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:

Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :

Seal of the Bidder's Firm

Date :

Annexure-A

(Compliance to be submitted in the bidder's letterhead)
(Applicable for estimate above 2.5 lakhs)

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Item Name:	
Enquiry No.:	

We M/s. _____ (name of the bidder company) have read the clauses pertaining to the Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country that shares a land border with India.

We hereby certify that **we are not from such a country** and eligible to be considered for this tender.

(Note: Non-compliance of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead to commercial rejection of their bids by NITK)

For and behalf of _____ (Name of the bidder)

(Signature, date & seal of an authorized representative of the bidder)

Annexure-B

**(Compliance to be submitted in the bidder's letterhead)
(Applicable for estimate above 2.5 lakhs)**

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Item Name:	
Enquiry No.:	

We M/s. _____ (name of the bidder company) have read the clauses pertaining to the Department of Expenditure's (DoE) Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding restrictions on procurement from a bidder of a country which shares a land border with India.

We are from such a country which shares a land border with India & have been registered with the Competent Authority as specified in the above-said order. We hereby certify that we fulfill all requirements in this regard and are eligible to be considered.

Evidence of valid registration by the Competent Authority is attached.

(Note: Non-compliance of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead to commercial rejection of their bids by NITK)

For and behalf of _____ (Name of the bidder)

(Signature, date & seal of an authorized representative of the bidder)

**Self-Certification on the letterhead of the company
(Applicable for estimate above 5 lakhs)**

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P-45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and

P-45021/2/2017-PP (BE-II) dated 16.09.2020, we hereby certify that

.....
(Supplier name) are local supplier meeting requirement of minimum local content % defined in as above orders for the material against Enquiry / Tender No
.....
.....
.....

Details of the location at which local value addition will be made are as follows:

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

We also understand false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permitted under law.

Date:
Place:

Signature:
Name and Designation:
Mobile no:
Office
Telephone No:
Email ID:
Office Seal:

FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

(Applicable for estimate above 2.5 lakhs)

(To be typed on Non-judicial stamp paper of value Indian Rupees Five Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALURU OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALURU OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALURU. BONDS ISSUED BY COOPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE

To
Director,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangaluru – 575025

IN ACCORDANCE WITH YOUR TENDER for the supply of,
M/s..... (hereinafter called the "Bidder") having its Registered Office at
....., wish to participate in the said bid for the
supply.....as an irrevocable
Bank Guarantee against Earnest Money Deposit for an amount of Rs.
(Rupees.....) valid up to **(180 days from the date of issue of Bank Guarantee)**, is
required to be submitted by the bidder as a condition precedent for participating in the said bid,
which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer
by the bidder within the validity period, (2) Non acceptance of the Letter of Intent/Purchase order
by the Bidder when issued within the validity period, (3) failure to execute the contract as per
contractual terms and condition within the contractual delivery period and (4) on the happening of
any contingencies mentioned in the bid documents.

During the validity of this Bank Guarantee:

We,(Bank name) having the registered office at.....guarantee
and undertake to pay immediately on first demand by NITK Surathkal, an amount of
Rs..... (Rupees.
.....) without any
reservation, protest, demur and recourse. Any such demand made by the NITK Surathkal shall be
conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank
irrespective of any dispute or difference raised by the Bidder.

The Guarantee shall be irrevocable and shall remain valid up to.....(180 days from the
date of issue of Bank Guarantee) If any further extension is required, the same shall be extended
to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee
is issued.

Notwithstanding anything contained herein:

* Our liability under this Bank Guarantee shall not exceed Rs..... (Rupees.....).

- * This Bank Guarantee shall be valid up to.....(date).
- * We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim on or before(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office atsituated at(Address of local branch).

Yours truly,

Signature and seal of the guarantor: Name of Bank:

Address:

Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after the expiry of the bond period

FORMAT FOR PERFORMANCE GUARANTEE BOND
(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Five Hundred)
(Applicable for estimate above 2.5 lakhs)

To,
Director,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangaluru – 575025

Whereas..... (name and address of the contractor) (hereinafter called “the contractor”) has undertaken, in pursuance of contract no date..... to supply (description of goods and Works/ Services) (hereinafter called “the contract”).

And Whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract;

And Whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the contractor to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until theday of20.....

Our.....branch at.....*(Name & Address of the*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our* branch a written claim or demand and received by us at our* branch on or before Dt..... otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)

.....

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

Technical Specification for GPON- ONU/ONT with Wifi support
Qty: 225 Nos.
1. Make & Mode: To be specified by the bidder
2. PON interface (Minimum Requirement): <ul style="list-style-type: none">• 1 XPON port (EPON PX20+ and GPON Class B+)• SC Single mode• TX optical Power: 0 to 4 dBm• Transmission distance: 20 km• RX: 2.488 Gbps, TX: 1.2488 Gbps
3. LAN interface (Minimum Requirement): <ul style="list-style-type: none">• 2 * 10/100/1000 Mbps auto adaptive Ethernet interface, RJ45 connectors, 1 POTS Rj11 Connector
4. Wavelength (Minimum Requirement): <ul style="list-style-type: none">Transmission wavelength: 1310 nmReceiver wavelength: 1490 nmTX optical Power: 0 to 4 dBm
5. Sensitivity/Optical type: <ul style="list-style-type: none">Receiver Sensitivity: should be -8dBm to -25dBmOptical Type: SC/PC
6. Wireless: <ul style="list-style-type: none">Should be Compliant with IEEE 802.11 b/g/n/ac
7. Indicators (Minimum Requirement): <ul style="list-style-type: none">Power, LOS, PON, LAN2, LAN1, TEL, 2.4G, 5G, Phone
8. VLAN - Should <ul style="list-style-type: none">Support VLAN tag modeSupport VLAN translation modeSupport VLAN trunk mode
9. Multicast - Should <ul style="list-style-type: none">Support IGMP v1/v2/v3Support IGMP Proxy and MLD ProxySupport IGMP Snooping and MLD Proxy Snooping
10. QoS - Should <ul style="list-style-type: none">Support 4 QueuesSupport SP and WRRSupport 802.1PSupport DSCP

11. Layer 3 - Should

Support IPv4/IPv6 and IPv4/IPv6 Dual Stack
Support DHCP/ PPPoE/ Static
Support DDNS
Support Static Route
Support NAT
Support Virtual Server
Support DMZ
Support DHCP Server

12. VoiP - Should

Support SIP Protocol
Support Voice coding: ITU-T G.711/ G.723 / G.726 / G.729
Support Echo cancellation exceeding ITU-T G.165 / G.168-2002 upto 128ms tail length
Support high/low speed fax/modem
Support bypass fax and T38 fax
Support MD5 authentication
Support Inband / RFC2833 / SIP INFO
Support calls forward, call waiting, hot-line call
Support multi-party conferencing
Support line testing according to GR-909

13. Wireless - Should

Support 802.11 b/g/n/ac and mixed mode
Support 4 SSID
Support No-auth, WEP, WPA-PSK and WPA2-PSK
Support AES, TKIP encryption

14. Security - Should

Support Firewall
Support MAC filter
Support ACL
Support URL Filter

15. Management - Should

Support CTC OAM 2.0 and 2.1
Support ITU-T 984.x OMCI
Support WEB
Support TR069
Support Telnet

16. Ambient temperature – Should be 0 ~ +55°C

17. Ambient Humidity – Should be 10~90% (non-condensed)

18. Store Temperature - Should be -30 ~ +60°C

19. Store Humidity – Should be 10~90% (non-condensed)

20. Certification – Should be TEC certified

21. Other Requirements

- The ONT/OLU should be compatible and should be able to manage centrally from existing OLT at NITK.
- The ONT/ONU should support eduroam

22. Warranty:

3 years Onsite OEM Warranty

Other Terms & Conditions**Warranty & Service Support**

Comprehensive onsite warranty for three years from the date of installation for GPON ONU/ONT from OEM to be provided.

Original Equipment Manufacturer (OEM) or their authorized vendor should have fully functional service center with spares stock for attending the breakdown calls. Details of the service center must be provided.

In case of any breakdown for more than 72 Hours after lodging a formal complaint, the warranty period will be considered as extended proportionately.

Bidders Qualification

1. The offers are only invited from reputed Original Equipment Manufacturers (OEM) and their authorized vendors. In the latter case a certificate of authorization (MAF) from the OEM referring this tender number must be provided along with the bid documents. Bidders not complying with this conditions are liable to be rejected.
2. A separate Compliance sheet conforming to each component (from Sl.No.: 1 to 22) of the technical specifications including make and model should be attached. In the event of compliance sheet is furnished by the OEM, the bidder should endorse the same. Bids that do not satisfy this condition will summarily be rejected.
3. The bidder should have representative or authorized service partner for OEM (in Karnataka State) to provide 24x7 Service.
4. Required Documents/Documentation/Manuals support for component level servicing/Product catalogue/Data sheet/Brochure pertaining to the model of the GPON ONU/ONT (to be supplied) to be attached substantiating the claim and the same should be available in the website of the brand for verification.
5. All the supporting documents should be endorsed with authorized seal and signature of the bidder/OEM as appropriate.
6. The bidder must have prior experience with eduroam and must demonstrate the compatibility of their proposed ONU/ONT with eduroam at NITK before the Purchase Order is issued, after the L1 is identified.
7. If the bidder fails to satisfy the point no.6 mentioned above, NITK reserves the right to go ahead with L2 and so on for further proceedings.

*****Disclaimer***** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.