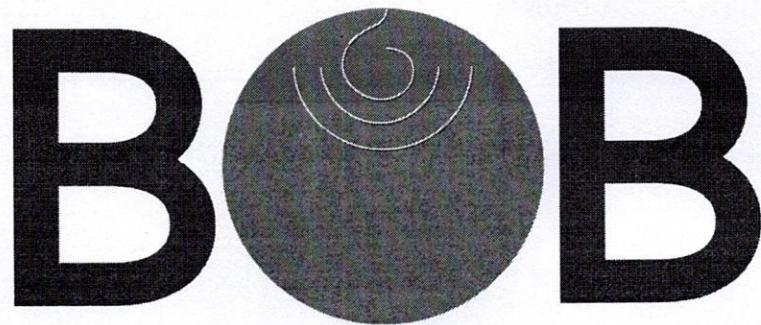


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BANK OF BHUTAN

A **chi** Company

Banker to the Nation since 1968

STANDARD BIDDING DOCUMENT

**FOR SUPPLY, DELIVERY AND COMMISSIONING OF ENTERPRISE
LTE ROUTER**



SBD SUPPLY, DELIVERY AND COMMISSIONING OF ENTERPRISE LTE ROUTER

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NOTICE INVITING TENDER

NIT No.: 000/BoB/Tender/2025/016

Date: 30 April 2025

▪ **Purchaser Name:** Bank of Bhutan

▪ **Procurement of Goods:**

Bank of Bhutan would like to invite the Bhutanese and International firm with the valid trade license to participate for **Supply, Delivery, and Commissioning of Enterprise LTE Router**

Technical Specification of Enterprise LTE Router

S.No	Description	Technical Specification and Standards	Compliance (Yes/No)	Remarks/Bidder Response
1	Brand	Internationally Reputed brand (To be mentioned by the Bidder)		
2	Model	To be mentioned by the bidder		
3	Country of origin	To be mentioned by the bidder		
4	Country of Manufacturer	To be mentioned by the bidder		
5	Quality	ISO 9001/9002 for manufacturer for quality assurance		
6	Service forwarding (NAT/QoS/ALC, mixed packet length, Mbit/s)	$\geq 200\text{Mbps}$		
7	IPsec (Mixed Packet Length, Mbit/s)	$\geq 100\text{Mbps}$		
8	Basic IPv4 forwarding (64B, Mpps)	$\geq 300\text{kpps}$		
9	CPU	Multi-core CPU, number of cores ≥ 2 , dominant frequency $\geq 1.0\text{ GHz}$		
10	Memory	Memory $\geq 1\text{ GB}$		
11	Flash	Storage $\geq 1\text{ GB}$		
12	Interface	Number of fixed GE electrical ports ≥ 4 Number of fixed GE optical ports ≥ 1 Supports LTE		
13	Heat Dissipation Mode	Natural heat dissipation without fans		



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S.No	Description	Technical Specification and Standards	Compliance (Yes/No)	Remarks/Bidder Response
14	IPv4 Addresses and Services	Supports ARP, DHCP, DNS, NAT, AC, SAC, DNS proxy, and DDNS.		
15	IPv4 routing	Supports routing management, static routing, routing policies, policy-based routing, IP FRR, RIP, OSPF, IS-IS, BGP, and traditional SPR.		
16	IPv6 Addresses and Services	Supports ND, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DNSv6 client, DNSv6 relay, DNSv6 proxy, and ACLv6.		
17	Multicast	Supports IPv4 Layer 3 multicast, IPv4 Layer 2 multicast, multicast VPN, IPv6 Layer 3 multicast, and IPv6 Layer 2 multicast.		
18	VPN	Supports GRE, IPSec VPN, MCE, L2TP VPN, L2TPv3, A2A VPN, VXLAN, Eth over GRE, DSVPN, GRE v6, V6 over V4, and V4 over V6, DMVPN		
19	Reliability	Supports VRRP, NQA, BFD, VRRP 6, NQA 6, and BFD 6.		
20	User Access and Authentication	NAC-802.1X, NAC-MAC, NAC-Portal, AAA, RADIUS, and TACACS		
21	QOS	Supports priority mapping, traffic policing, traffic shaping, congestion avoidance, congestion management, HQoS, sub-interface HQoS, and MQC.		
22	WAN Access	Supports 3G/4G/5G Supports PPP, PPPoE-C, IPv6 PPPoE, IP-Trunk, interface backup, and bridge.		
23	Ethernet switching	Supports VLAN, static MAC address, dynamic MAC address, MAC limit, MAC address flapping prevention, MSTP, LLDP, super VLAN, Mux VLAN, and voice VLAN. Supports Ethernet physical ports, port isolation, Eth-Trunk, LACP, dot1q, QinQ, 802.3ah, SEP, 802.1ag, and Y.1731.		

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S.No	Description	Technical Specification and Standards	Compliance (Yes/No)	Remarks/Bidder Response
24	System Management	Supports the CLI, SNMP, NETCONF, TELNET, SSH, NTP, OPS, CWMP, and web pages.		
25	System monitoring	Supports Telemetry, NetStream, IPAccounting, TWAMP, and IPFPM.		
26	Large-scale flexible networking	Supports hub-spoke, full-mesh, hierarchical, and user-defined network topologies.		
27	Automatic topology-based orchestration	Automatic orchestration of tunnel connections based on the configuration of the network model		
28	Accessing the Internet on demand	Supports local, centralized, and hybrid access to the Internet.		
29	IPv6 Networking	Supports IPv6 networking on the LAN side and WAN side. IPv6 overlay is to be determined.		
30	Service isolation	Multiple VPNs can be used to isolate services or departments. The topology and policy can be configured for each VPN independently. Tunnel carries multiple VPNs.		
31	Tunnel quality detection	Supports quality detection with flows.		
32	intelligent traffic steering Policy	Supports route selection based on tunnel quality, priority, and bandwidth.		
33	Load balancing	Flow- and packet-based load balancing		
34	Key service QoS	Supports basic QoS configuration and HQoS.		
35	Multi-channel package replication	Supports replication of key service packages.		
36	Alarm Log	Alarm management		
37	Batch configuration	Allows users to bind a policy to multiple sites and create policies in batches.		
38	Diagnosis	Supports diagnosis functions such as		

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S.No	Description	Technical Specification and Standards	Compliance (Yes/No)	Remarks/Bidder Response
		ping and traceroute		
39	Device management	Device upgrade policy		
40	Rights- and Domain-based Management	Allows users to allocate account rights based on rights and sites.		
41	ACL filtering	Supports ACL		
42	802.1x	Supports 802.1x		
43	Reference Document	Bidder should submit the required performance document and compliance reference document for the proposed device (Datasheet, Test Report etc.)		
44		Bidder should submit BOM of proposed device including the details part numbers and manufacturer's warranty part number		
45	OEM Authorization	Bidder should submit the MAL (Manufacturer Authorization Letter) with valid date form respective OEM		
46	Installation, testing and commissioning	Installation, testing and commissioning with necessary accessories		

Note: Bidder must fill up the Compliance sheet with Yes and No as it will be a part of Technical Evaluation. Bid without the compliance sheet will be considered non-responsive and wont be evaluated.

OWNERSHIP OF THIS STANDARD BIDDING DOCUMENT (SBD)

The content of this SBD is a copy right material of Bank of Bhutan (BoB).

■ DUE DILIGENCE

The bid shall be deemed to have been submitted after careful study and examination of this SBD. The bid should be precise, complete and in the prescribed format as per the requirement of this SBD document. Failure to furnish all information or submission of a bid not in-line with this SBD will be at the bidders' risk and shall result in rejection of the bid. Also, the grounds for rejection of Bid should not be questioned after the final declaration of the successful Bidder.

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The bidder is requested to carefully examine the SBD and the terms and conditions specified therein and if there appears to be any ambiguity, contradictions, inconsistency, gap and/or discrepancy in the SBD, Bidder should seek necessary clarification.



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TERMS AND CONDITIONS OF SBD

1. Scope of Supply

- 1.1. The bidder(s) price quoted shall be as per the technical specification mentioned above and the Price Schedule as attached at **Annexure -II**.

2. Clarification to the bidding document

- 2.1. Further information can be obtained in writing from Procurement Division **OR** email to ugyen.tshering2886@bob.bt and kinga.tshering2682@bob.bt not later than two calendar days from the date of bid submission. Clarification received after the deadline shall not be entertained.

3. Documents comprising bid

- 3.1. The bid must be accompanied by the following document:
- Valid Trade license;
 - Tax clearance;
 - Technical Specification with Yes and No
 - Bid Submission Form in Annexure-I; and
 - Price Schedule in Annexure-II.

4. Bid Price

- 4.1. Prices shall be quoted in Ngultrum (BTN) or Indian Rupee (INR) or US Dollar (USD). The Bank of Bhutan's TT selling rate, on the date of bid opening, shall be used for evaluation purposes, for bids quoted other than BTN/INR. The quoted price shall be in Delivery Duty Paid (DDP), Thimphu, including taxes, duties and other levies to the final place of delivery.

5. Bid Validity

- 5.1. The bid shall be valid for **60 calendar days** from the date of submission of the bid. In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may solicit the Bidder's consent to an extension of the bid validity period. The request and responses shall be made in writing. A bid valid for a shorter period shall be considered non-responsive.

6. Bid Security

- 6.1. The bid shall be accompanied by a bid security of **Nu. 20,000.00** lump sum in the form of Cash Warrant/Unconditional Bank Guarantee/Banker's Cheque/Demand draft in the name of the **Bank of Bhutan** issued by the Financial Institution enforceable in any Banks in Bhutan.

- a) The Bid security shall be valid for 3 months beyond the date of submission.
- b) The Bid Security copy should be submitted through tender.bt.
- c) The original Bid Security should be submitted to Admin and Procurement Section, Head Office, Thimphu.
- d) Any Bid not accompanied by bid security of adequate value and validity shall be rejected by the Purchaser as non-responsive.

6.2. The bid security shall be forfeited in the following cases:

- a) If the Bidder withdraws the bid after Bid opening during the period of Bid validity.
- b) If the Bidder does not accept the correction of the Bid price;
- c) In the case of a successful bidder, if the bidder fails within the specified time limit to sign the Contract or furnish Performance Security.

or

- 6.3. The bid security shall be deposit via the fund transfer option such as mbob transfer or direct deposit to the Bank of Bhutan account number.

6.4. Bank Details as below

Account Number: 218773145

Account Holder Name: Bank of Bhutan

7. Submission of Bids

- 7.1. The bidder(s) shall submit one's bid through tender.bt. The bid including all documents should be duly filled, signed and sealed.

8. Submission deadline

- 8.1. The deadline for receipt of your bid(s) and other required documents as per clause 3 of the above by the Purchaser at the indicated is on or before **15th May 2025 at 2:30 PM** Bhutan Standard Time (BST). Late submission of bid(s) shall not be entertained.

9. Bid Opening

- 9.1 The bid(s) will be opened in the presence of bidders or their representatives who choose to attend **on 15th May at 3:00 PM (BST)**.



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In case the due date of the opening of the bid falls on non-working days, the opening of the bid shall be on next working day at the same time.

10. Evaluation of Bid

Bidders' bid complied with the technical specifications shall be evaluated based on the **Financial 40%** and **Technical 60%** as detailed below:

Technical Evaluation (applies to both Lots)

The bidder should score a minimum of 80% in technical specifications to qualify for the financial bid opening.

Therefore, Score = (Total YES/Total Specifications) *100

Shall be converted to 40% if successful

10.1. Financial bid Evaluation

$$\text{Financial} = \frac{\text{Lowest Bidder Rate}}{\text{Individual Bidder Rate}} \times 60\%$$

i.

i. To assist in the examination, evaluation and comparison of Bids, the Client may, at its discretion, ask the Bidder for a clarification of its Bid. All responses to requests for clarification shall be in writing, and no change in the price or substances of the Bid shall be sought, offered or permitted. Failing to respond to the clarifications sought by the client within two working days will be treated as non-responsive and hence be rejected.

ii. Non-compliance with the technical/product specification shall be considered as non-responsive bid and shall not be evaluated.

b. while evaluating the quotations, the Bank will determine for each quotation and evaluate price by adjusting the quoted price in case there is any arithmetical errors as follows:

- i. Where there is a discrepancy between amounts in figures and in words, the amount in words will prevail;
- ii. Where there is discrepancy between the Unit Rate and the line item, the resulting figure from multiplying the Unit Rate by the quantity shall prevail unless in the opinion of the Bank there is an obviously gross misplacement of the decimal point in the Unit Rate; and
- iii. If the supplier refuses to accept the correction, this quotation will be rejected and the bid security shall be forfeited.

11. Purchaser's Right to Accept Any Bid, and Reject or Cancel Any or All Bids

- 11.1. The Purchaser is not bound to accept the lowest bid and reserves the right to accept or reject or cancel any or all the bids without assigning any reason whatsoever.

12. Award of Contract

- 12.1. The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid. The Purchaser shall issue Notification of Award/ Purchase Order to the successful Bidder.
- 12.2. Item shall be evaluated in lot wise and contract shall be awarded to the bidder offering the lowest evaluated bid.

13. Delivery Schedule

- 13.1. The supply and delivery of the Goods and related service shall be completed within **90 calendar days** from the date of issue of the Purchase Order, or the signing of the contract. The
- 13.2. Deliver day more than 90 Days will be considered non-responsive and wont be evaluated.

14. Performance Security

- 14.1. The Supplier shall be required to furnish Performance Security of 10% of the quoted price in the form of cash warrant/demand draft/Banker's Cheque or unconditional Bank Guarantee in the name **Bank of Bhutan** issued by a financial institution enforceable in any Banks in Bhutan, which shall be furnished upon issuance of notification of the award. Performance Security shall be valid of six months and will be returned after the completion of supply.
- 14.2. The performance security shall be forfeited in the following case, if the bidders:
- i. Fails/withdraws to perform the contractual obligation under the purchase order/contract agreement.
 - ii. Supplied different product which is not as per the specification/supplied inferior products and
 - iii. Fails to replace the defective goods within 21 calendar days after notifying.

15. Liquidated Damage

- 15.1. If the Supplier fails to deliver any or all of the Goods by the date(s) of delivery or fails to perform the Related Services within the period specified in the Contract/ Purchase Order, the Purchaser shall deduct Liquidated Damages at the rate of **0.3%** per day for



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each day of delay to a maximum of **10%** of the quoted price.

16. FORCE MAJEURE

- a) The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- b) For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- c) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

17. Payment Terms

- 17.1. No advance payment shall be made prior to the completion of project and the payment will make within 30 working days after submitting the invoices.
- 17.2. At the time of release of payment, Tax shall be Deducted at Source [TDS] from the gross amount of bills as per the Income Tax Act of Bhutan.

18. Submission of Bid

- 18.1. The Bidder shall submit the Bid Submission and Price Schedule Form using the Form in the **Annexure I and II**: This form must be completed without any alterations to its content. All blank spaces shall be filled in with the information requested.
- 18.2. A bid in which the Bid Submission Form not duly filled, signed and sealed by the bidder shall be rejected.

19. Termination

- 19.1. The Purchaser may, by written notice, terminate the Purchase Order or Contract [if applicable] in whole or in part at any time for its convenience:
- 19.2. If the Supplier fails to perform any other terms and conditions specified with the Purchase Order/Contract, or exceeds the maximum amount of Liquidated Damages; and
- 19.3. If the Supplier does not take any remedial action of the default within a given time

period after notifying by the Purchaser.

20. Governing Law

- 20.1. The Contract/ Purchase Order shall be governed by and interpreted in accordance with the Laws of Bhutan.

21. Dispute Resolution

- 21.1. Any settlement of dispute or arbitration of matter arising from the contract shall be settled as per the Alternative Dispute Resolution Act of Bhutan 2013.



A handwritten signature in blue ink, consisting of a stylized, cursive 'E' or similar character.

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Annexure- I: Bid Submission Form

[The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date : *[insert date of Bid submission]*

Tender No.: *[insert number]*

To : *[insert complete name of the Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda number: ***[insert the number and date of issue of each addendum];***
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Schedule of Supply the following Goods and Related Services: ***[insert a brief description of the Goods and Related Services];***
- (c) The total price of our Bid, excluding any discounts offered in item is: ***[insert the Bid Price in words and figures, indicating the various amounts and their respective currencies];***
- (d) The discounts offered and the methodologies for their application are:
Discounts. If our Bid is accepted, the following discounts shall apply: ***[Specify in detail each discount offered and the specific item of the Schedule of Supply to which it applies.]***

Methodology of Application of the Discounts. The discounts shall be applied using the following methodology: ***[Specify in detail the methodology that shall be used to apply the discounts];***

- (e) Our Bid shall be valid for a period of ***[insert number]*** from the date fixed for the Bid submission deadline and it shall remain binding upon us and may be accepted at any time before the expiry of that period;
- (f) If our Bid is accepted, we commit to provide a Performance Security in accordance with Clause 15 for the due performance of the Contract;
- (h) We, including any subcontractors or suppliers for any part of the Contract, have nationality from eligible countries, viz: ***[insert***

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the nationality of the Bidder, including that of all parties that comprise the Bidder if the Bidder is a JV/C, and the nationality each subcontractor and supplier].

- (i) We have no conflict of interest;
- (j) Our firm, its affiliates or subsidiaries - including any subcontractors or suppliers for any part of the contract - has not been declared ineligible by the Purchaser under the laws or official regulations of Bhutan;
- (k) We have read the terms and conditions carefully, understood and agree to comply with all the clauses which are mentioned therein. In case of any breach of any condition on our part, we shall be liable for actions as per the terms and conditions of the Contract.
- (l) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us until a formal contract is prepared and executed.
- (m) We understand that you are not bound to accept the lowest evaluated Bid or any other Bid that you may receive.
- n) We accept the Vendor Performance Management System.

Signed: _____ [insert signature of person whose name and capacity are shown]

In the capacity of _____ [insert legal capacity of person signing the Bid Submission Form]

Name: _____ [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: _____ [insert complete name of Bidder]

Dated on _____ day of _____ [insert date of signing]



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Annexure II: Price Schedule

[Describe below the items, unit and quantity of the Goods and related Service required].

No.	Description	Qty (Pcs)	Rate (Nu.)	Total (Nu.)
1	Enterprise LTE Router	12		
2	Installation/Commissioning Charge	Lumpsum		
3	Total	12		

Total Bid Price (in words)	<p>.....</p> <p>.....</p> <p>.....</p>
Project time period	Maximum time period is 90 calendar days

Name of Supplier:..... Contact No.: Email id:	Suppliers Official Stamp & Signature
Date :/...../2025	