

GROUP STANDARD BIDDING DOCUMENT

GOODS



"Switch and Router"



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	The goods should be as per the technical specification/ drawing shared. However, the bidders can provide different brands upon the approval from the Bhutan Telecom Limited.				
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1. NOTICE INVITING TENDER

NIT No: BT/Switch and Router/2025

- 1. Bhutan telecom Ltd invites all potential bidders to submit your ebids for the **Switch and Router.**
- 2. Bhutan Telecom Ltd invites all potential bidders to kindly visit the website www.tender.bt for vendor registration and to submit the proposal online.
- 3. The user manual for vendor registration, bidding process and EMD upload is available on the website www.tender.bt.
- 4. SBD Timeline

NIT No.	BT/Switch and Router/2025
Bid Submission & EMD	
Submission Date & Time	On or before 14 th January 2025 (11:00 hrs)
Bid Opening Date & Time	14 th January 2025 (14:00 hrs)
RFP shall be available at	www.tender.bt



2. Terms and Conditions

2.1. Scope of Work

The scope of work is to supply the Switches and Routers as per the technical specification as attached. The bidder(s) have to quote for all the items (Lot). Furthermore, the bidder should provide 5 days training for which the quotation needs provided separately as per BOQ.

2.2. Clarification to the bidding document

Further information can be obtained in writing from manager.networks@bt.bt, manager.networks@bt.bt, not later than 10th January 2025.

2.3. Documents comprising bid

The bid must be accompanied by the following document:

- a) Bid Security
- b) Valid Trade license
- c) Tax clearance
- d) The MAF from OEM is required.

e) Compliance statement/sheet for terms & conditions and scope of work for all the technical and general condition of the tender should be provided. The sample is shown below:

Section No.	Clause No.	Sub-Clause No.	Sub-Clause Part No.	Compliance (Yes/No)	Any Deviations and reasons	Price for Compliance
1 or I	1.0	-	-	Yes		
1	1.1.1	-	-	Yes		
1						
1						
1	1.1.3	(c)	-	Yes		
1	1.7.1	(b)	(iii)	Yes		
1						
2	••					
4	4.5.5.2	(a)	(i)	Yes		
4	4.5.5.2	(a)	(ii)	Yes		

- f) All supporting document for evaluation criteria
- g) Signed Integrity Pack
- h) Any other relevant documents as required
- i) Product should be registered in the name of Bhutan Telecom Limited

2.4. Bid Price

- 2.4.1. The quoted price shall be **DDP** (**Delivered Duty paid**) **Phuntsholing** as per the Incoterms share in **Annexure IV**.
- 2.4.2. Lot wise shall be evaluated and contract awarded separately to the firm(s) offering the lowest evaluated price for the Lot.
- 2.4.3. All prices quoted shall be on a per unit basis and valid till for 12 months from the date of bid opening. The selected bidders shall be contacted for additional supply of any enlisted item in future on repeat order basis for the entire contract period.



2.5. Bid Validity

2.5.1. The bid shall be valid for 90 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.

2.6. Bid Security

- 2.6.1. The bid shall be accompanied by the bid security (EMD) of 2% in the form of Cash Warrant/ Unconditional Bank Guarantee/ Banker Cheque/ Demand draft in the name of **Bhutan Telecom Ltd** issued by the Financial Institution enforceable in any Banks in Bhutan.
 - a) The Bid security shall be valid up to 90 (Ninety) days.
 - b) The Bid Security is to be submitted as a part of the Bid in a separate sealed envelope and be submitted to Finance & Accounts Division or to our nearest Branch Office within the specified time in SBD timeline.
 - c) Any Bid not accompanied by bid security of adequate value and validity shall be rejected by the Purchaser and considered as non-responsive.
- 2.6.2. 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.

2.7. Purchaser's Right to Accept Any Bid, and Reject any or All Bids

- 2.7.1. The Purchaser is not bound to accept the lowest bid and reserves the right to accept or reject any or all the bids without assigning any reason whatsoever.
- 2.7.2. The purchaser also reserves the right to cancel the bidding process and reject all Bids at any time before the award of the Contract, without assigning any reason and thereby without incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for BT's action/decision.
- 2.7.3. BT retains the right and authority to negotiate certain terms with the bidder before signing the Contract.

2.8. Quantity Variation

2.8.1. Depending on the final requirement, at the time of the award of the Contract, the Purchaser may increase or decrease the quantities by twenty five percent (25%) of the indicated quantity.

2.9. Award of Contract



2.9.1. The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid with all the required specification. The Purchaser shall issue Notification of Award/ Purchase Order to the successful Bidder. Until a formal Contract is prepared and executed, the Notification of Award/Purchase Order shall constitute a binding Contract.

2.10. Delivery Schedule

2.10.1. The supplier should supply within 60 days from the issue of purchase order date failing which the supplier shall be liable for liquidated damages as specified detailed in <u>clause 2.12.</u>

2.11. Performance Security

2.11.1. The contractor shall be required to furnish Performance Security of 10% of the quoted price in the form of cash warrant, demand draft or unconditional Bank Guarantee in the name of Bhutan Telecom Ltd., 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 till the end of warranty period and will be returned after the end of warranty period.

2.12. Liquidated Damage

2.12.1. If the bidder fails to perform the related Supply/Services within the period specified in the Contract/ Purchase Order, the Purchaser shall deduct Liquidated Damages at the rate of 0.1% per day for each day to a maximum of 10% of the contract/Purchase order value.

2.13. Payment Terms

- 2.13.1. The Hundred percent (100%) payment of Contract/purchase order shall be paid after the delivery of all the materials as per delivery terms and no part payment shall be entertained during the execution of the supply order.
- 2.13.2. 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 the Bhutan. The Purchaser shall furnish necessary TDS Certificate to the Bidders, issued by the Department of Revenue & Customs, RGoB.
- 2.13.3. The 3% FCT will be deducted from the gross amount (Supply and services) of bills as per the Income Tax Act of the Bhutan if there are service component. The Purchaser shall furnish necessary FCT Certificate to the Bidders, issued by the Department of Revenue & Customs, RGoB.

2.14. Warranty Period

2.14.1. The Supplier shall provide the warranty for a period of one year, for the goods to be supplied and confirm that if any faults are detected within the warranty period in the supplied/installed Goods, the Supplier shall be bound to rectify the fault or replace the Goods as the case may be. The performance security shall be used to cover the cost of supplies not delivered or defective items not replaced or rectified.



2.14.2. Any goods found defective during the warranty period shall be replaced/ repaired by the supplier at his cost. If the supplier fails to rectify and or replace the defective goods, the Purchaser shall do it at the cost of the supplier.

2.15. Inspection and Testing

- 2.15.1. The Supplier shall conduct standard tests in presence of Bhutan Telecom representatives to conform to general technical standards.
- 2.15.2. Should any tested/ inspected equipment fail to conform to the requirement of Bhutan Telecom may reject them and the bidder shall resupply/redo/rectify without any cost to Bhutan Telecom.

2.16. Submission of Bid

- 2.16.1. The Bidder shall submit the bid online and Bidder shall submit Bid Submission Form using the Form in the Annexure I if so, required in the <u>clause 2.3</u> above: This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 2.16.2. As such a bid in which the Bid Submission Form. Not duly filled, signed and sealed by the bidder shall be rejected.

2.17. Termination

- 2.17.1. The Purchaser may, by written notice, terminate the Purchase Order or Contract in whole or in part at any time for its convenience:
 - a) if the Supplier/contractor fails to perform any other terms and conditions specified with the Purchase Order/ Contract, or exceeds the maximum amount of Liquidated Damages; and
 - b) If the Supplier fails to perform any other obligation(s) under the Purchase Order / Contract, and if the contractor does not take any remedial action within a period of one month after receipt of a notice of default from the Purchaser specifying the nature of the default(s).

2.18. Force Majeure

- 2.18.1. Either party shall be excused from the performance or punctual performance of any of its obligations under this contract, and such obligations shall be extended for a period reasonable under circumstances, if the performance of this contract is prevented or delayed by any cause beyond the effected parties' reasonable control which, without in any way limiting the generality of the foregoing, shall include acts of God, riots, wars, earth quakes, storms, cyclone landfall, lightning, landslides, accidents, pandemic, embargo or requisition (acts of government), including non- availability of visas and permits for contractors' personnel, or delays in the performance of its subcontractors caused by any such circumstances.
- 2.18.2. Non-availability or withdrawal of any export/import licenses for the goods or any part thereof in this contract cannot be considered as force Majeure events.
- 2.18.3. Events caused due to animals and theft cannot be considered as force Majeure events.
- 2.18.4. In case of Force Majeure, the contractor shall promptly notify the employer in writing and furnish the employer with all relevant information thereto.



2.18.5. Should a cause of force majeure continue for more than two (2) months, either party shall then have the right to terminate this Contract.

2.19. Governing Law

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



2.20. Dispute Resolution

2.20.1. 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 for Bhutanese Supplier and United Nations Commission on International Trade Law [UNCITRAL] Arbitration Rules of 1976 for International Supplier and will be binding for both parties.



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3. Technical Specification

3.1. General BOQ

#	Item	Qty	UoM	Remarks
1	Router Type 1	26	Set	Can be combination of Router and Switch to meet ports requirement
2	Router Type 2	10	Set	Should support PPPOE/DSL Broadband
3	Switch Type 1	14	Set	
4	Switch Type 2	10	Set	POE switch
5	Five days on site training	1	Lot	

3.2. Technical Specification

3.2.1. Router Type-1

Brand	To be mentioned by bidder
Model	To be mentioned by bidder
Enclosure Type	Rack-mountable fixed chassis
	Modular platform with integrated Ethernet interfaces to provide connectivity and services for varied enterprise network requirements
Gereral Specification	Interface Support: Ethernet
	Minimum requirement is 24x 1GbE SFP and 4x 10GbE SFP+ routed ports
Performance &	Routing Throughput: minimum 5 Gbps
Scalability	Router Should be Enterprise Grade and not Small Business Purpose with 55C operating Temparature
Protocols	IPv4, static routes, OSPF, BGP, IS-IS, IGMPv1/v2/v3, IEEE 802.3ad, IEEE 802.1ag, IEEE 802.3ah, STP, Layer 2 and 1588 v2
Redundancy	Power and FAN

3.2.2. Router Type-2

Brand	To be mentioned by bidder
Model	To be mentioned by bidder
Enclosure Type	Rack-mountable fixed chassis
Gereral	Modular platform with integrated Ethernet interfaces to provide connectivity and services for varied enterprise network requirements
Specification	Interface Support: Ethernet
	Minimum requirement is 4x 1GbE Copper/Fiber and 2x 10GbE SFP+ routed ports
	Routing Throughput: minimum 10Gbps
Performance & Scalability	Minimum 1M NAT session
Scalasinty	Router Should be Enterprise Grade and not Small Business Purpose with 40C operating Temparature
Protocols	IPv4, static routes, OSPF, BGP, IS-IS, IGMPv1/v2/v3, PIM SM, PIM DM, PIM SSM, IPsec, GRE, MPLS, IEEE 802.3ad, IEEE 802.3ad, IEEE 802.3ah, STP, Layer 2
Redundancy	Power and FAN



3.2.3. Switch Type-1

Brand	To be mentioned by the bidder		
Model	To be mentioned by the bidder		
Enclosure Type	19" Rack-Mountable		
Hardware Architecture	Bidder should propose a compact model that provides high flexibility Layer 2 switching performance, link-layer data confidentiality and integrity and high availability.		
Traidware Architecture	Interface requirement: 48 x 1GbE SFP and 4 x 10GbE SFP+ fiber		
	Should have redundant power supply from Day 1		
	Switching bandwidth [Bi-directional]: 250 Gbps or more		
Performance & Scale	Layer 2/Layer 3 throughput with 64-byte packet: 190 Mpps or more		
	Switch Should be Enterprise Grade and not Small Business Purpose		
	Should support IEEE 802.1Q (4000 VLAN IDs), IEEE 802.1D: Spanning Tree Protocol, IEEE 802.1s: Multiple instances of Spanning Tree Protocol (MSTP), IEEE802.1AB: Link Layer Discovery Protocol (LLDP)		
Layer 2 and Layer-3	Should support IPv4 Static IP routing, RIPv1/v2, OSPFv4/v6, BGP and IS-IS		
features	Should support IPv6 static routing, RIPng, OSPFv3 and IS-IS		
	Should support IGMPv1/v2/v3, IGMP snooping, Multicast Listener Discovery (MLD) snooping, Protocol Independent Multicast-Sparse Mode (PIM-SM), PIM Source-Specific Mode (PIM-SSM), PIM Dense Mode (PIM-DM)		

3.2.4. Switch Type-2

Brand	To be mentioned by the bidder
Model	To be mentioned by the bidder
Enclosure Type	19" Rack-Mountable
Hardware Architecture	Bidder should propose a compact model that provides high flexibility Layer 2 switching performance, link-layer data confidentiality and integrity and high availability.
Traidware memiceture	Interface requirement: 24 x 1GbE Full POE+ and 2 x 1GbE Combo (Fiber & Copper)
	Should have reliable power supply (Single/Dual)
	Switching bandwidth [Bi-directional]: 50 Gbps or more
Performance & Scale	Layer 2/Layer 3 throughput with 64-byte packet: 40 Mpps or more
	Switch Should be Enterprise Grade and not Small Business Purpose
	Should support IEEE 802.1Q (4000 VLAN IDs), IEEE 802.1D: Spanning Tree Protocol, IEEE 802.1s: Multiple instances of Spanning Tree Protocol (MSTP), IEEE802.1AB: Link Layer Discovery Protocol (LLDP)
Layer 2 and Layer-3	Should support IPv4 Static IP routing, RIPv1/v2, OSPFv4/v6, BGP and IS-IS
features	Should support IPv6 static routing, RIPng, OSPFv3 and IS-IS
	Should support IGMPv1/v2/v3, IGMP snooping, Multicast Listener Discovery (MLD) snooping, Protocol Independent Multicast-Sparse Mode (PIM-SM), PIM Source-Specific Mode (PIM-SSM), PIM Dense Mode (PIM-DM)



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]

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 Addendanumber: [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 Scheduleof 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 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 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 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 an	d capacity are shown]
In the capacity of	[insert legal capacity of person sig	oning the Bid Submission Form
Name:	insert complete name of person signing i	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]



Annexure II- Performance Security Form

he bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated] Date:[Insert date (as day, month, and year) of Bid submission]
B No. and title
ank's Branch or Office
eneficiary: [Insert complete name of The Company]
ERFORMANCE GUARANTEE No
[Insert complete name of Supplier] [Insert complete name of Supplier] [Insert called "the Supplier") has entered into Contract No
the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding
[insert amount(s) in figures and rds] upon receipt by us of your first demand in writing declaring the Supplier to be in default under the ontract, without cavil or argument, or you needing to prove or to show grounds or reasons for your smand or the sum specified therein.
nis Guarantee shall expire no later than the
nsert month] [Insert year], and any demand for payment under it must be received by us at this office on or fore that date. We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one par], in response to The company's written request for such extension, such request to be presented tous before the expiry of the Guarantee.

[Signatures of authorized representatives of the bank and the Supplier]



Annexure III- Contract Forms

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

CONTRACT AGREEMENT made the
[insert complete name of Purchaser], a
[Insert name of Supplier], a corporation incorporated under the laws
of
[insert brief description of Goods and Services]
and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of
[insert Contract Price in words and figures,
expressed in the Contract currency/ies] (hereinafter called "the Contract Price"). NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:
In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
The following documents shall constitute the Contract between The company and the Supplier, and each shall be read and construed as an integral part of the Contract, viz.:
(a) This Contract Agreement;
(b) The Special Conditions of Contract;
(c) The General Conditions of Contract;
(d) Technical Requirements (including Schedule of Supply and Technical Specifications.)
(e) The Supplier's Bid and original Price Schedules;
(f) The company's Notification of Award of Contract;
(g) The form of Performance Security;
(h) The form of Bank Guarantee for Advance Payment;
(i) [Insert here any other document(s) forming part of the Contract]

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the



documents shall prevail in the order listed above.

In consideration of the payments to be made by The company to the Supplier as

- 3. Hereinafter mentioned, the Supplier hereby covenants with The Company to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4. 5. The company hereby covenants to pay the Supplier in consideration of the provision of the Goods and Related Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribedby the Contract.
- 5. IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordancewith the laws of Bhutan on the day, month and year indicated above.
- 6. For and on behalf of The company Signed: [insertsignature]
- 7. In the capacity of [insert title or other appropriate designation] in the presence of[insert signature].......[insert identification of official witness]



Annexure IV- INCOTERMS

Incoterms 2020 Incoterms®2020 Rules Responsibility Quick Reference Guide 🕯 Inco Docs Freight Collect Terms Freight Prepaid Terms Any Mode or Modes of Groups Sea and Inland Waterway Transport Any Mode or Modes of Transport Transport FCA **EXW** FAS CIF CPT CIP FOB CFR DAP DPU DDP Carriage & nsurance Paid to (Place) Incoterm Insurance & Freight (Port) Alongside Ship (Port) Board (Port) Freight (Port) Duty Paid (Place) (Place) (Place) To (Place) Place (Place) (Place) At Buyer's Disposal On Buyer's Transport On Board Vessel On Board On Board Vessel At Named Place At Named Place Unloaded At Named Transfer of Risk At Carrier At Carrier **Obligations & Charges: Export Packaging** Seller Seller Seller Seller Seller Seller Seller Seller Seller **Loading Charges** Buyer Seller Delivery to Port/Place Seller Seller Selle Seller Seller Export Duty, Taxes & Customs Clearance Seller Seller Seller Seller Seller Seller Seller Seller Seller Origin Terminal Charges Seller Seller Seller Seller Seller Seller Seller Loading on Carriage Seller Seller Seller Seller Seller Seller Seller Seller Carriage Charges Insurance Negotiable Negotiable Negotiable Negotiable Negotiable *Seller Negotiable Negotiable Negotiable Negotiable Buyer Buyer Buyer Buyer Buyer Buyer Seller Delivery to Destination Buyer Buyer Buyer Buyer Buyer Seller Seller Seller Buyer Seller Buyer Buyer oort Duty, Taxes & stoms Clearance Buyer Buyer Buyer Buyer Buyer Buyer Buyer Seller Buyer Buyer Buyer IncoDocs Create your Sales & Shipping Documents at www.incodo

