

From:

**Odisha Gramya Bank**

Head Office  
GANDAMUNDA  
BHUBANESWAR



Telephone: 0674-2353021 / 22 / 33

Telefax: 0674- 2353011

email: [network@odishabank.in](mailto:network@odishabank.in)

Ref .No: OGB/IT/HARDWARE/35/2017-18

Date : 15.05.2018

To

All Empaneled / Existing Network Vendor

**Sub: Request for quotation for 50 numbers of New Branch Routers and rate contract for one year**

Dear Sir,

Please send your competitive quotation along with broacher for 50 numbers of Branch Routers and rate contract for one year as per below specifications mentioned on or before 05.06.2018 at 4.00 PM.

**\*Minimum Specifications for Router Procurement.**

Modular platform with integrated Ethernet interfaces to provide connectivity and services for varied branch-office network requirements

1. The End-of-Support of the Router should not be less than 3 years along with MAF from OEM. Authorized Certificate from OEM should be submitted along with bid.
2. Routing with packet mode (1,518 B packet size in Mbps): 1500
3. Routing performance (IMIX): minimum 800 Mbps or more
4. Routing throughput (64B): minimum 300 Kpps or more
5. IPSec VPN Throughput (IMIX): 100 Mbps
6. Advanced Encryption Standard (AES) - 256+SHA-1 VPN
7. Route table size (RIB/FIB) (IPv4 or IPv6): 24K or more
8. 3DES encryption +SHA-1 VPN performance - 40 Mbps
9. Maximum concurrent sessions (IPv4 or IPv6): 10,000 or more
10. New sessions/second: 5,000
11. Memory: DRAM Minimum 512 MB or more
12. Flash: Minimum 512 MB or more
13. Network Connectivity -
  - a. Fixed 6 x 10/100/1000 Gigabit Routed Ethernet port
  - b. Fixed USB for pen drive
  - c. Fixed Console port (port should be RJ 45 type)
  - d. 2 expansion slots
14. Virtual Private Network (Day 1)  
GRE, IPsec, DES (56-bit), 3DES (168-bit), AES (128-bit+) encryption, Message Digest 5 (MD5), SHA- 1, SHA-128, SHA-256 authentication and Performance based routing or Real Time Performance Monitoring or NQA or equivalent to ensure critical traffic is taking best path.
15. protocol support – IPv4, static routes, OSPF or EIGRP, BGP, IS-IS, IGMPv1/v2/v3, PIM SM, PIM DM, PIM SSM, MSDP, IPsec, GRE, MPLS, 802.3ad, 802.1ad, STP, Layer 2 and Layer 3 VPN.
16. IPv6
  - a. OSPFv3, BGP, IS-IS, MLD



From:

**Odisha Gramya Bank**  
Head Office  
GANDAMUNDA  
BHUBANESWAR



Telephone: 0674-2353021 / 22 / 33

Telefax: 0674- 2353011

email: [network@odishabank.in](mailto:network@odishabank.in)

Ref .No: OGB/IT/HARDWARE/35/2017-18

Date : 15.05.2018

- b. Network Address Translation/Tunneling IPv6 to IPv4
- 17. Multiprotocol Label Switching  
Multicast VPN, OSPF, RSVP, Standards-based fast reroute, Secondary and standby label-switched paths (LSPs), LDP, Layer 2 VPNs for Ethernet connections.
- 18. Encapsulations: Ethernet, 802.1q VLAN, PPP, MLPPP, HDLC, Serial, PPPoE
- 19. Integrated threat control:
  - a. Stateful firewall, ACL filters, DoS and DDoS protection
  - b. Support for Application Security, AntiSpam, AntiVirus, Web Filtering and Intrusion Prevention.
- 20. Traffic management: QoS, Class-based queuing with prioritization, Weighted Random Early Detection (WRED), Policy-Based Routing (PBR), Guaranteed bandwidth, Diffserv marking, Ingress traffic marking.
- 21. Identity management: Webbased, 802.X authentication, PKI certificate
- 22. IP Address Assignment
  - a. Static – Yes
  - b. DHCP, PPPoE client – Yes
  - c. Internal DHCP server – Yes
  - d. DHCP relay – Yes
- 23. High Availability (HA)
  - a. VRRP, Active/active and Active/standby, Stateful failover
  - b. Route and Interface failover monitoring
  - c. Node redundancy by grouping a pair of devices into a cluster.
  - d. IEEE 802.3ad (LACP)
- 24. System Management
  - a. Web management support and CLI
  - b. The router should have active probes to track and monitor real time traffic across the network and to investigate network problems.
  - c. Should have monitoring technology like net flow/j-flow/s-flow to randomly sample network packets and send the samples to a monitoring station
  - d. should have the capability to revert to the last known good state if the router image, configuration and the backup configuration files become damaged beyond repair
- 25. Environmental, Compliance, and Safety Certification
  - a. Operational temperature: 32° to 104° F (0° to 40° C)
  - b. Nonoperational temperature: 4° to 158° F (-20° to 70° C)
  - c. Operating humidity: 10% to 90% noncondensing
  - d. Non-operating humidity: 5% to 95% noncondensing



From:

**Odisha Gramya Bank**

Head Office  
GANDAMUNDA  
BHUBANESWAR



Telephone: 0674-2353021 / 22 / 33

Telefax: 0674- 2353011

email: [network@odishabank.in](mailto:network@odishabank.in)

Ref .No: OGB/IT/HARDWARE/35/2017-18

Date : 15.05.2018

- e. FCC classification: Class A
- f. RoHS compliance: RoHS / RoHS 2

The terms and conditions should include the following points along with other related matter.

1. Price should in INR and should include all taxes and duties.
2. All routers should be delivered at Head Office of OGB Bhubaneswar. The installation will be within 13 district of Odisha. Address will be provided during issue of purchase order.
3. Time of delivery and installation should be mentioned beyond which there will be a penalty of 0.5 % up to 5% per week of delay (Undelivered Portion) in delivery and in installation.
4. There should be two years onsite warranty.
5. The quote should have validity for 90 days.
6. 90% payment on delivery and rest 10% will remain with bank for warranty period of the Hardware or till submission of Bank Guarantee for equal amount for warranty period.
7. Bank reserves right to cancel the bid at any time before issuance of purchase order without assigning any reason.
8. Delivery should be done within 4 weeks of release of purchase order.
9. Bank has rights to amend/modify any typing/material error before the delivery.
10. The Price should be provided in below format.

Sl No	Item Description	Unit Price without Tax	Tax %	Unit price including Taxes	Quantity	Total Price
1	Router as per Specification				50	

The unit price without tax will considered as rate contract for 1 calendar year from date of release of first purchase order.

Yours faithfully,

(D. D. Mohanty)

Sr. Manager-IT

