

25

Information to Bidder for the procurement of 48 Port 10G Switch

Ref: GeM Bid No. GEM/2018/B/53676 dt. 12.03.2018

1. 48 Port 10G Switch should be quoted as per Technical specifications given in Annexure-I.
2. In the specification wherever support for a feature has been asked for, it will mean that the feature should be available without RailTel requiring any other hardware/software/licenses. Thus, all hardware/software/licenses required for enabling the support/feature shall be included in the offer.
3. OEM or Authorized distributor/Partner of OEM should have a registered office in India to provide sales and 24x7 support in India. **The certificate to this effect should be submitted.** The bidder should be either OEM or his authorized dealer/distributor.
4. Equipment offered shall have complete data sheets and detailed description on OEM web sites.
5. Bidder shall submit the detailed BOM of the equipment's offered duly verified and certified by the respective OEM. The detailed BOM shall indicate quantities and price break up of various modules/sub modules/cards/Licenses required for each equipment's.
6. GSTIN ID of vendor should be provided from where goods will be supplied.
7. Delivery period: 15 days from the date of PO.
8. Inspection: Pre-shipment/pre-dispatch inspection shall be carried out at manufacturer's/supplier's works by RailTel's authorized representative.
9. Consignee: Sh. Rajesh Pokhriyal (Mob: 9717644483), Manager/DC, RailTel Corporation of India Ltd., Plot No. 143, Sector-44, Gurgaon.
10. **Earnest Money Deposit (EMD)/ Bid Security: Rs 1,32,500/- (Rs. One Lakh Thirty Two Thousand Five Hundred only)** in the form of Pay Order/Demand Draft drawn in favor of RailTel Corporation of India Ltd. payable at New Delhi.
11. **For NSIC registered Firm:**
  - A) For small scale units registered with NSIC under single point registration Scheme and participating in this tender enquiry, following exemptions are available: -

They are exempted from depositing Earnest money.  
These exemptions are applicable provided units are registered with NSIC for tendered item and registration is current and valid. Firms claiming these exemptions are required to submit along with their offer, copy of their current and valid NSIC registration certificate for the tendered item, otherwise their offer would not be considered.
  - B) No exemption is, however, applicable to these units from payment of security deposit/ Performance Bank Guarantee.
  - C) Any Other guideline issued by Govt. for MSME time to time will be applicable.
12. **Security Deposit/Performance Bank Guarantee:**

The successful tenderer shall submit security deposit in the form of DD/FDR or irrevocable Bank Guarantee from any scheduled bank for due fulfillment of contract as per the details given below:



- i. Security Deposit/Performance Bank Guarantee @ 10% of total value of Purchase Order is required to be submitted within 15 days of issue of Purchase Order with validity of 3 months beyond warranty period.
- ii. The security deposit/PBG shall be submitted to Corporate Office Gurgaon.

The security deposit/Performance Bank Guarantee shall be released after successful completion of Contract obligations under the contract, duly adjusting any dues recoverable from the successful tenderer. Payment of Security Deposit in the form of Pay Order/Demand Draft should be made in favor of "RailTel Corporation of India Ltd" payable at New Delhi only.

**13. Eligibility Criteria for OEM:**

- a. Each OEM can authorize up to a maximum of three (3) authorized partners to bid the tender.
- b. The Equipment offered by the OEM or equipment of the same series/family from the same OEM should have been satisfactorily working in Government/PSUs/Telecom Service Providers network for at least 06 months as on 26.03.18 in India or Abroad. The certificates from the actual users will have to be submitted offline.
- c. The OEM should have supplied at least 35% of the tendered quantity of the equipment offered or equipment of the same series/family to Government/PSUs/Telecom Service Providers. OEM can submit self-certificate with proper contact detail of clients (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued from authorized signatory
- d. The OEM should have proven facilities for Engineering, manufacture, assembly, integration and testing of Switches and basic facilities with respect to space, Engineering, Personnel, Test equipment, Manufacture, Training, Logistic Supports for at least past three years in the country from where the proposed equipment are planned to be supplied. The certificates/Undertaking for the same will have to be submitted offline.

**14. Eligibility Criteria for Bidder:**

- a. The tenderer should have executed single order of supply/ provision of Server/Router /Switches/Wi-Fi/AP System equipment's costing not less than 35% of tendered value during last proceeding 3 financial years (i.e. current year and three previous financial years) as on 26.03.18. Supply of this value against a single rate contract, during above period, will also qualify for this purpose. The bidder shall also furnish Supply/ work completion certificate issued by customer/s for the Purchase Orders/ Work Orders
- b. The bidder should have annual turnover of minimum 150% of tendered quantity or above during the last 3 financial years (i.e. current year and three previous financial years). The bidder should provide Audited Balance Sheets and annual reports as documentary evidence or other such documents so as to establish the financial soundness of their company for the preceding three financial years.
- c. The Bidder should have authorization specific to this tender from respective OEM.
- d. The Bidder or their promoters having equity stake or operating partnership in bidder, should not be holding valid License for Telecom service provider/ISP/NLD, Services License of Government of India for Telecom Operation.



## 15. WARRANTY:

15.1 The materials are to be warranted for **60 months** from date of delivery to the consignee. The tenderer shall warrant that stores to be supplied shall be new and free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards of materials of the type ordered and shall perform in full conformity with the specifications and drawings. The supplier shall be responsible for any defects that may develop under the conditions provided by the contract and under proper use, arising from faulty materials, design or workmanship such as corrosion, inadequate quantity of material to meet equipment requirements, inadequate contact protection, deficiencies in design and/ or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty.

15.2 If it becomes necessary for the contractor to replace or renew any defective portion/portions of the supplies under this clause, the provisions of the clause shall apply to the portion/portions of the equipment so replaced or renewed or until the end of the above mentioned period of **60 months**, whichever may be later, If any defect is not remedied within a reasonable time, the Purchaser may proceed to do the work at the contractor's risk and expenses, but without prejudice to any other rights which the Purchaser may have against the contractor in respect of such defects.

15.3 Replacement under warranty clause shall be made by the contractor free of all charges at site including freight, insurance and other incidental charges.

During the warranty period, the contractor shall remain responsible to arrange replacement in Next Business Day (NBD) and for setting right at his own cost any equipment installed by him which is of defective manufacture or design or becomes unworkable due to any cause whatsoever. The decision of the RailTel's representative in this regard to direct the contractor to attend to any damage or defect in work shall be final and binding on the Contractor.

15.4 In case of hardware failure the replacement must be given in next business day If the Bidder fail to replace as per below mentioned duration, the following penalties will be imposed. It will be calculated on quarterly (3 month) basis and maximum penalties will be 10 % of the cost of Equipment per year.

### 15.5 Replacement Services

During warranty period, if the Bidder fails to replace /Equipment card/Part in next business day, the following penalties will be imposed.

| Equipment                   | Duration of repair                  | Deduction/Penalties                     |
|-----------------------------|-------------------------------------|-----------------------------------------|
| All Modules and accessories | More than 1 days and up to 7 days   | 2% of the cost of affected part/module  |
| All Modules and accessories | More than 7 days and up to 15 days  | 10% of the cost of affected part/module |
| All Modules and accessories | More than 16 days and up to 30 days | 25% of the cost of affected part/module |

|                             |                   |                                          |
|-----------------------------|-------------------|------------------------------------------|
| All Modules and accessories | More than 30 days | 100% of the cost of affected part/module |
|-----------------------------|-------------------|------------------------------------------|

**Note:**

In event of that bidder fails on both service SLA and replacement services the maximum aggregate penalties would be limited to equipment cost. OEM should provide facility to RailTel for direct fault case open on TAC Support in case emergency.

**16. Delivery Period**

16.1 The supplier will have to supply the material within **15 days** of issue of confirmed LOA/PO.

**17. Offline Submissions:**

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd, Institutional Area Plot 143, Sector 44, Gurgaon before **15:00 Hrs of 27.03.2018** in a Sealed Envelope. The envelope shall bear 'DO NOT OPEN BEFORE' (due date & time as per GeM Portal). The offline documents shall be opened at **15:30 Hrs of 27.03.2018**. In case the bidding is completed in the odd hours then the documents will be opened on next working day at 11:00 hours. Bids without these off line submission of documents will be summarily rejected.

- i. EMD
- ii. MAF/ OEM Authorization Letter
- iii. BOQ of offered equipment.
- iv. Data Sheet of offered equipment.
- v. Financial and technical Eligibility Criteria documents.
- vi. Technical Compliance of Specification as per Annex-I.

**Note: 1)** The acceptance of the all the clause mentioned in the information to the bidders document is mandatory. Any deviation / non-acceptance will lead to rejection of the bid summarily.

**2) An agreement will be signed with the successful bidder for execution of the order.**

**3) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on [www.railtelindia.com](http://www.railtelindia.com) only.**



## Technical Specifications of 48 Port 10G Switch

|    |                                                                                                                                                                                                                                     |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <b>Architecture</b>                                                                                                                                                                                                                 |
| 2  | 1 U Rack mountable                                                                                                                                                                                                                  |
| 3  | Switch capacity - 1.4 Tbps or higher                                                                                                                                                                                                |
| 4  | Switch forwarding rates – 1Bpps or higher                                                                                                                                                                                           |
| 5  | 10G/Gigabit - 48 optical ports (populated with required modules)                                                                                                                                                                    |
| 6  | 40 Gig interface for uplink – 4 QSFP+ (populated with required SFP modules)                                                                                                                                                         |
| 7  | Non-blocking switch architecture and modular operating system                                                                                                                                                                       |
| 8  | <b>Switching features</b>                                                                                                                                                                                                           |
| 9  | 802.3ad based standard port/link aggregation, Jumbo frames, storm control                                                                                                                                                           |
| 10 | Support at least 3900 VLAN and 92,000 MAC Address                                                                                                                                                                                   |
| 11 | <b>Security</b>                                                                                                                                                                                                                     |
| 12 | 802.1X Network Security and Radius/TACACS AAA authentication                                                                                                                                                                        |
| 13 | MAC Address filtering based on source and destination address                                                                                                                                                                       |
| 14 | support for various ACLs like port based, vlan based and L2- L4 ACL's                                                                                                                                                               |
| 15 | Should have Control plane (DoS) protection                                                                                                                                                                                          |
| 16 | The switch should support MACsec, SSH v1 & v2 and Dynamic ARP inspection                                                                                                                                                            |
| 17 | <b>Network Protocols</b>                                                                                                                                                                                                            |
| 18 | Layer3 routing protocols like Static, RIP, OSPF, RIPnG, OSPFv3 from day 1 for the solution.                                                                                                                                         |
| 19 | The switch should support MPLS, L2 and L3 VPN and IPv6 Tunneling                                                                                                                                                                    |
| 20 | <b>Quality of Service</b>                                                                                                                                                                                                           |
| 21 | DSCP, 802.1p and FCoE                                                                                                                                                                                                               |
| 22 | <b>Multicast</b>                                                                                                                                                                                                                    |
| 23 | IGMP v1,v2,v3, IGMP snooping, PIM SM and MSDP                                                                                                                                                                                       |
| 24 | <b>High Availability</b>                                                                                                                                                                                                            |
| 25 | The switch should support ISSU and BFD                                                                                                                                                                                              |
| 26 | <b>Management</b>                                                                                                                                                                                                                   |
| 27 | The switch should support CLI via console, telnet, or SSH and should have image rollback option.                                                                                                                                    |
| 28 | Switch should support port mirroring feature for monitoring network traffic of a particular port/VLAN.                                                                                                                              |
| 29 | Switch should support Link Aggregation on two different switches                                                                                                                                                                    |
| 30 | Built-in real-time performance monitoring capabilities                                                                                                                                                                              |
| 31 | Power Supply: Switch should have internal Hot Swappable Redundant Power supply                                                                                                                                                      |
| 32 | Cooling Fans: Should have redundant cooling FANS                                                                                                                                                                                    |
| 33 | Switch should be stackable/VPC/Equivalent (All accessories to be provided from day 1)                                                                                                                                               |
|    | Other Term and condition:<br>1) Above Product should be either in leader or challenger in latest Gartner Magic Quadrant for data center networking as on 2017<br>2) warranty 5 years and The Service for the same should be 8X5 NBD |

(Jagdeep Singh)  
GGM/Operations

*[Signature]*  
SM/OP  
for GGM/OP

1000

1000