

Information to Bidder for the “Procurement of Access Switches & SFPs through GeM”

Ref: GeM Bid No. GEM/2020/B/486577 dated 02.01.2020

1. The item/items in this bid should be quoted as per the technical specifications(Annexure-I). The details of the specifications along with consignee/site details are also available in this Information to bidders.
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.

In case of the authorized distributor/partner certificate from the OEM to this effect should be submitted. If OEM is quoting then OEM should submit the certificate.
4. Equipment offered shall have complete data sheets and detailed description on OEM websites.
5. Bidder shall submit the detailed BOM of the equipment offered duly verified and certified by the respective OEM.
6. **GSTIN ID of vendor should be provided from where goods will be supplied.**
7. Delivery period: **30 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:** Sr. Manager(Tech.)/Store , RailTel Corporation of India Ltd., 2nd Floor, New Koilaghat Building, 14 Strand Road, Kolkata - 700 001.
10. **Tender Cost & Earnest Money Deposit (EMD)/ Bid Security:**
 - 10.1 **Tender Cost:** Estimated cost of the Tender is **Rs. 30,71,489/-** (Including GST as applicable)
 - 10.2 **Earnest Money Deposit (EMD)/ Bid Security: Rs. 61,500/-** in the form of Pay Order/Demand Draft/BG drawn in favor of RailTel Corporation of India Ltd. payable at Kolkata. The Bid received without EMD will be summarily rejected.
11. This bid complies with “Public Procurement (preference to make in India) Policy Order, 2017 issued by DIPP and Public Procurement Policy for Micro and Small Enterprises (MSEs) order, 2012” issued by MoSME.”

The bidders claiming the preference have to submit relevant documents prescribed under relevant order.

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 fulfilment 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 30 days of issue of Purchase Order with validity of 3 months beyond warranty period, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO.
- ii. The security deposit/PBG shall be submitted to RO, Kolkata.
- iii. A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel's Bank through SFMS and only after this the BG will become acceptable to RailTel. It is therefore in own interest of bidder to obtain RailTel's bank IFSC code, its branch and address and advise these particulars to the BG issuing bank and request them to send advice of BG through SFMS to the RailTel's Bank.

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 Kolkata.

13. **Eligibility Criteria for OEM:**

- a. 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 12 months as on opening of bid, in India or Abroad. The certificates from the actual users will have to be submitted offline.
- b. The OEM should have supplied at least 35% of the tendered quantity of the equipment offered or equipment of the same series/family during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid to Government/PSUs/Telecom Service Providers. OEM should submit self-certificate with proper contact detail of clients along with quantities supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.
- c. The OEM should have proven facilities for Engineering, manufacture, assembly, integration and testing of **Switches/SFPs** and basic facilities with respect to space, Engineering, Personnel, Test equipment, Manufacture, Training, Repair, Service Center Supports for at least past three years in the country from where the proposed equipment are planned to be supplied. In case OEM is located outside India, it should have training repair and service center facilities in India also. The certificates/Undertaking for the same will have to be submitted online. Original shall be submitted offline.

(The bidder will have to submit the proof of establishment for the facility)

14. **Eligibility Criteria for Bidder:**

- a. The tenderer should have executed order of supply/ provision of **Router /Switches/SFPs** during last preceding 3 financial years (i.e. current year and three previous financial years) from the date opening of the bid, as per following:

(A) Single order of at least 35% of tendered value.

OR

(B) Two orders of at least 20% each of tendered value.

OR

(C) Three orders of at least 15% each of tendered value.

The bidder shall also furnish satisfactory Supply/Work completion certificate issued by customer/s for the Purchase Orders/ Work Orders

b. Bidder should have authorization specific to this tender from respective OEM as per Annex-II.

15. Purchaser's right to vary Quantity

Purchaser reserves the right to increase or decrease the ordered quantity up to 25% at the time of placement of contract. The purchaser also reserves the right to increase the contracted quantity up to 25% during the currency of contract at the contracted rates. Bidder is bound to accept the order accordingly.

16. SPLITTING OF QUANTITY

16.1 Not used.

16.2 In case bidder claims PMA, Government of India Guideline/Instruction regarding splitting of order to Local supplier shall be applicable. Govt. Guidelines in regard to MSME shall be followed.

17. WARRANTY:

17.1 The materials are to be warranted for **Three years** 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 manufacturing 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.

17.2 SLA:

After having been notified of the defects / service requirement during warrantee period, Seller has to complete the required Service / Rectification within time limit of max. 7 days. If the Seller fails to complete service / rectification within defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller & up to max. of 100% of Unit Price of the product.

Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG) or from the running bills.

18. **Delivery Period:**

The supplier will have to supply the material within 30 days of issue of Purchase Order. If material is not supplied within the approved delivery period then penalty of 0.5% of the undelivered quantity per week to the maximum to the 10% of the contract value will be levied.

19. **Long Term Maintenance Support:**

Not used.

20. **Payment Conditions: -**

- i. 100% payment against full supply.
- ii. 80% payment against of part supply of all SOR items. Balance payment shall be made after full supply. The following documents are to be submitted for payment:
 - a. Original Invoice
 - b. Delivery Challan
 - c. Original Consignee receipt
 - d. Original Inspection Certificate
 - e. Warranty Certificate of OEM
 - f. Copy of PBG
 - g. Certificate of receipt of Goods.
 - h. e-Way Bill

21. **Offline Submissions:**

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd, 3rd Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata - 700071 before **15:00 hrs. of 16.01.2020** in a Sealed Envelope. The envelope shall bear 'DO NOT OPEN BEFORE' (due date & time). The offline documents shall be opened at **15:30 hrs. of 16.01.2020**.

- i. EMD
- ii. MAF/ OEM Authorization Letter (as per Annexure-II)
- iii. BOQ of offered equipment.
- iv. Data Sheet of offered equipment.
- v. Financial (Certified copies of audited balance sheets/annual reports of last three preceding financial years) and Technical Eligibility Criteria documents.
- vi. Technical Compliance of Specification as per Annexure-I.
- vii. Certificate from the End user against the Eligibility criteria for OEM para 13.

Note:

- 1) The bidder is required to give acceptance of all the clauses mentioned in the **“Information to the Bidders”** document is mandatory. Any deviation / non-acceptance may lead to rejection of the bid.
- 2) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com only.
- 3) This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against **GeM Bid No. GEM/2020/B/486577 dated 02.01.2020**.

In case, If any contradiction between GeM Additional Terms & Conditions and General Terms & Conditions, RailTel Terms & Conditions will prevail.

Technical Specifications

1.
 - i. All equipment should be with 3 years warranty.
 - ii. Equipped with necessary hardware/software to comply all above required / support features.
 - iii. Back-to-Back warranty with respective OEMs for both Hardware and Software. The certificates/Undertaking for the same will have to be submitted along with bid from respective OEM.
 - iv. OEM should have minimum 04 Service Centre in major cities in India. Service center details to be shared along with address and contact no. and person.
 - v. UL, CE and FCC Certification is not required for PMA. However they have to produce certificate from standard lab approved/ authorized by Govt. of India that their product are equivalent to UL,CE and FCC and meets all standard and specification of UL,CE and FCC.
2. **SOR Details:**

SOR	Item Description	Qty.	Unit
SOR-1	Switch Type-B (24 GE SFP ports, 4 Nos. of SFP+ based 10 GE ports) as per technical specifications of SOR-1 of Information to Bidder.	40	Nos.
SOR-2	Switch Type-X (8 ports 10/100/1000 Mbps Base T, 2 ports SFP based Gigabit ports) as per technical specifications of SOR-2 of Information to Bidder.	105	Nos.
SOR-3	SFP 1G Bi-Di 10 Km. (Single fibre), single mode module with LC connector as per technical specifications of SOR-3 of Information to Bidder.	197	Pairs
SOR-4	SFP 1.25 G dual single mode module with LC connector as per technical specifications of SOR-4 of Information to Bidder.	163	Nos.

Technical Specifications:**1. SOR-1 : Switches Type – B:**

S No	Description
1	Should have 24 x GE SFP based ports.
2	Should have 4 nos. SFP+ based 10 GE ports.
3	Should have at least 120 Gbps switching fabric.
4	Should support port Trunking of at least 4 nos. GE/10GE ports.
5	Should have support for 802.3x flow control.

6	Should support 802.1D spanning tree control/RSTP support and MSTP Support.
7	Should support management features viz. Web-based GUI, SNMP, TFTP Client, System Log, DHCP/BootP Client & Dual Images along with Optical Transceiver Digital Diagnostic Monitoring.
8	Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports.
9	Should support 802.1Q VLAN, 802.1p priority queues.
10	Should support port mirroring.
11	Should support jumbo frame. (9216 Byte)
12	Should support console port and telnet based management.
13	Should have AC and DC (dual) power supply arrangement i) AC Power Supply 100 to 240 V AC with 50 to 60 Hz ii) -48V DC supply
14	Should support at least 16000 entries in the MAC table.
15	Should support following for min. 64 Groups : i) IGMP Snooping, ii) IGMP v1/v2/v3 awareness Snooping, iii) IGMP Snooping Querier.
16	Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with Management VLAN
17	Should support spanning-tree root guard or similar functionality.
18	Should support spanning-tree Port Fast guard for fast convergence or similar functionality.
19	Should support ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 ms) in ring topologies and Should be Ethernet OAM compliant with IEEE 802.3ah/Y.1731.
20	Switch should support : i) Surge protection of ± 2 kV (line-earth) and ± 1 kV (line-line) on power input and ii) Surge protection of ± 2 kV on Ethernet ports.
21	Should support following security features viz.: i) SSL (HTTPS), ii) Broadcast/Multicast/Unicast Storm Control, iii) DoS Attack Prevention
22	Should support Quality Of Service (QoS) features viz.: i) Priority Queue, ii) Class of Service (CoS), iii) Rate Limiting (Bandwidth Control), iv) Strict Priority Queue (SPQ), v) Weighted Round Robin (WRR) or better
23	Switch should support IPv6.
24	Switch should comply to following Temperature performance parameters : I) Operating Temperature - min -0 to 50 °C (23 to 122 °F) II) Storage Temperature - min -40 to 70 °C (-40 to 158 °F)
25	"OEM should have a : i) valid ISO 9000 & ISO 14000 certification on the date of opening of bid" or ii) should have figured in latest Gartner Report in field of Ethernet Switches"
26	Switch should support LLDP or similar functionality.

27	Switch should have EMI CERTIFICATE of FCC/IC /CE
28	Switch should have SAFETY CERTIFICATE of UL
29	The operating system of the Switches series/family shall have MEF-9 & 14 or higher certification from authorized agencies.

2. SOR- 2 : Carrier Grade Switch Type – X with AC Supply:

S No	Description
1	The Switch shall be designed for continuous operations.
2	Should have 8 ports 10/100/1000 Mbps Base T
3	Should have support for 2 ports SFP Based Gigabit ports.
4	Should have at least 20 Gbps switching fabric.
5	Should Support port trunking of at least 2 GE ports.
6	Should have support for 802.3x flow control.
7	Should support 802.1D spanning tree control/RSTP support
8	Should support management features like Web-based GUI, SNMP, TFTP Client, System Log, DHCP/BootP Client & Dual Images and Should support Optical Transceiver Digital Diagnostic Monitoring.
9	Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports.
10	Should support 802.1Q VLAN, 802.1p Priority queues.
11	Should support port mirroring.
12	Should support jumbo frame. (9216 Byte).
13	Should support console port or telnet based management.
14	Should have AC Power Supply 100 to 240 V AC with 50 to 60 Hz and equipped with 3 pin plug.
15	Should support at least 8000 entries in the MAC table.
16	Should support IGMP Snooping, IGMP v1/v2/v3 awareness Snooping, Supports 64 Groups & IGMP Snooping Querier.
17	Should support Port-based VLAN, 802.1Q Tagged VLAN & Voice VLAN along with Management VLAN.
18	Should support spanning-tree root guard or similar functionality.
19	Should support spanning-tree Port Fast guard for fast convergence or similar functionality.
20	Switch should support IEEE 802.3af & IEEE 802.3at on Ethernet ports & Min 100W PoE Power Budget.
21	Switch should support Surge Protection to ± 2 kV (line-earth) and ± 1 kW (line-line) on power input and Surge Protection to ± 2 kV on Ethernet ports.
22	Should support security features like SSL (HTTPS), Broadcast/Multicast/ Unicast Storm Control, DoS Attack Prevention.
23	Should support Quality Of Service (QoS) like Priority Queue, Class of Service (CoS), Rate Limiting (Bandwidth Control), Strict Priority Queue (SPQ), Weighted Round Robin (WRR).
24	Switch should support IPv6.
25	Rack Mountable clams for standard 19 inch Rack for each item.
26	Operating Temperature of the Switch should be min -0 to 45 °C (23 to 113 °F).
27	Storage Temperature of the Switch should be min -40 to 70 °C (14 to 158 °F).
28	"OEM should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid" OR " OEM should have figured in latest Gartner Report in field of Ethernet Switches".
29	Switch should support LLDP or similar functionality.
30	Switch should have EMI CERTIFICATE of FCC/IC / CE.
31	Switch should have SAFETY CERTIFICATE of UL

3. SOR-3: SFP-BX (10 KM) Bi-Di Single Fiber:

S No	Description
1	Should be compatible with OEM equipment like Cisco, Juniper, D Link, Zyxel, Edge Core and Extreme.
2	Should support 10 km optical distance on single fiber
3	Should have LC type connector.
4	Should provide the cost in Pair (BX U & D).
5	Should have 1 Gigabit Ethernet capacity on single mode fiber.
6	Should support DDMI feature.
7	OEM should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid.
8	Should have CE and FCC regulatory compliances.
9	Operating Temperature of the SFP Should be mini 0 to 65 °C (23 to 149 °F)

4. SOR-4: SFP (10 KM) :

S No	Description
1	Should be compatible with OEM equipment like Cisco, Juniper, D Link, Zyxel, Edge Core and Extreme.
2	Should support 10 km optical distance (1550/1310 nm).
3	Should have LC type connector.
4	Should have 1 Gigabit Ethernet capacity on single mode fibre.
5	Should support DDMI feature.
6	OEM Should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid.
7	Should have CE and FCC regulatory compliances
8	Operating Temperature of the SFP Should be mini 0 to 65 °C (23 to 149 °F)

Note :

Both the witches should be :

- i) Equipped with 3 PIN plug Connector
- ii) Rack mountable & supplied with all required clips/hardware
- iv) Equipped with necessary hardware / software to comply with all the above required / support features.

**Executive Director,
RailTel Corporation of India Ltd.**

Dated:

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Subject: Manufacturer Authorisation form (MAF) to M/s for

Ref: GeM Bid No.....dated.....

Dear Sir,

We, M/s....., are established and reputed manufacturer and service provider of (Product details), having our registered office at

We hereby authorize M/s..... (bidder name), Office to participate in bid and subsequently upon award of the bid to execute the supply and Installation & Commissioning of our range of products against your above said bid.

We further extend our warranty for years for our range of products offered by M/s against the above-said bid.

Thanking you,
Best regards,

Authorized Signatory

For & on behalf of RailTel Corporation of India Ltd.