

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

Ref: GeM Bid No. GEM/2020/B/661717,dated 05.06.2020.

1. The item/items in this bid should be quoted as per the technical specifications. *The details of the specifications along with consignee/site details are also available on website www.railtelindia.com*
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 web sites.
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. **Tender Cost & Earnest Money Deposit (EMD)/ Bid Security:**
 - 7.1 **Tender Cost:** Estimated cost of the Tender is **Rs. 1,25,04,261/-**
 - 7.2 **Earnest Money Deposit (EMD)/ Bid Security as per bid document uploaded on GEM: Rs. 2,46,428/-** in the form of Pay Order / Demand Draft/ BG drawn in favor of RailTel Corporation of India Ltd. payable at New Delhi. The Bid received without EMD will be summarily rejected.
8. **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 offline.

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

9. Eligibility Criteria for Bidder:

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

(A) Single order of atleast 35% of tendered value.

OR

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

OR

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

Satisfactory Performance certificate issued by customer/s for the Purchase Orders/ Work Orders should be enclosed.

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

10. 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 & upto 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.

11. Long Term Maintenance Support:

DELETED.

12. Payment Conditions: -

- i. 100% payment against full supply OR Supply, Installation & Commissioning.

ii. 80% payment against part supply OR Supply , Installation & Commissioning of the completed part as the case may be. In case bidder completes the supply order or order for supply , installation and commissioning as the case may be, for one Region , he can claim part payment of 80% against each Region's completed supply / completed installation & Commissioning of the said Region. Balance payment shall be made after full supply or full installation & commissioning. The following documents are to be submitted for payment:

- a. Original Invoice
- b. Delivery Challan
- c. Original Consignee receipt with GRN No.
- d. Original Inspection Certificate
- e. Warranty Certificate of OEM
- f. Copy of PBG
- g. Certificate of receipt of Goods & installation thereof from RailTel.
- h. Original Insurance certificate
- i. Bill Passing Authority: Addl.GM/Project
Bill Paying Authority: Addl.GM/Finance

13. Online Submissions:

The bidder is required to upload and submit the following documents online before due date & time of bid. The date & time for closing of the bid is **11:00 Hrs of 26.06.2020** and the bid will be opened at **11:30 Hrs of 26.06.2020**.

- i. EMD
- ii. BOQ of offered equipment
- iii. Clause wise compliance along with all mentioned documents/annexures for all clauses of GeM Bid and ATC documents.
- 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 all Specification of items as per GeM Bid and ATC documents.
- vii. Certificate from the End user against the Eligibility criteria for OEM para 8.
- viii. Proof of document required against Eligibility criteria of OEM and Bidder vide para 8 & 9 respectively.
- ix. MAF/ OEM Authorization Letter (as per Annexure-II)

Note: 1) Non-submission of any document online within the prescribed time will make the bid to be summarily rejected.

2) The bidder has to submit the hardcopy of the EMD document submitted on line with in three working days from the date and time of opening of the bid to the RailTel Corporation of India Ltd, 6th floor, IIIrd Block, Delhi Technology Park, Shastri Park, Delhi-110053

3) 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.

4) Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com only.

5) 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/661717,dated 05.06.2020.**

14. Delivery period: **60 days** from the date of PO.

15. Security Deposit/Performance Bank Guarantee:

i. The successful bidder shall have to submit a Performance Guarantee (PG) within 30 (thirty) days from the date of issue of Letter of Acceptance (LOA) as per annexure III. Extension of time for submission of PG beyond 30 (thirty) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 (thirty) days, i.e., from 31st day after the date of issue of LOA. In case the contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract shall be terminated duly forfeiting EMD and other dues, if any payable against that contract. The failed contractor shall be debarred from participating in re-tender for that work.

ii. “A separate advice of the BG will invariably be sent by the BG issuing bank to the RailTel’s bank through SFMS (Structured Financial Messaging System) 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 advise of BG through SFMS to the RailTel’s bank.”

iii. Performance Bank Guarantee of 10% of the total value of the order is required to be submitted and should be valid for a period of 4 months beyond warranty periods. On expiry of the warranty period and issue of the certificate of final acceptance of the entire system the Performance Bank Guarantee will be refunded or Bank Guarantee released to the contractor after adjustment of any dues payable by the contractor.

16. Inspection: Pre-shipment/pre-dispatch inspection shall be carried out at manufacturer’s / supplier’s works by authorized representative of RailTel. The inspection shall be done as per RDSO clause 21.3, Acceptance tests .

Technical Specifications

1. All Equipment should be be:
 - i. Supplied with 3 years warranty, if during the said guarantee / warrantee period, the Goods are found not to conforming to the requisite description and quality and/or not giving satisfactory performance or have deteriorated, and the decision of the Buyer in that behalf shall be final and binding on the Seller and the Buyer shall be entitled to call upon the Seller to rectify and/or replace the Goods or such portion thereof as is found to be defective by the Buyer within 7 days. Otherwise, the Seller shall have to pay Rs 500 per week or part of week for failed equipment subject to a maximum 10% of equipment cost to the Buyer as compensation.
 - 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 its Service Centre at min 04 locations 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 wise details are as:**

SOR	Item Description	Units	Qty
SOR-1	Switch-L2 managed with 8*10/100 mbps (POE) & 2 nos. SFP ports, (8 ports POE & 2 ports SFP) AC Type as per Technical specifications of SOR-1 of Information to Bidder. (RDSO specification RDSO/SPN/TC/65/2019 (Field Switches (8 ports)/RDSO clause no.14 (III)-Page 38-39)	Nos.	557
SOR-2	Switches (24 ports SFP & 4 ports SFP+) as per Technical specifications of SOR-2 of Information to Bidder. As per RDSO specification RDSO/SPN/TC/65/2019 (Aggregation Switch/RDSO clause no.14 (I)-Page 36-37)	Nos.	85
SOR-3	SFP +(40 km) 10 G-CGIN.SFP 10 G BIDI SFP +40 km as per Technical specifications of SOR-3 of Information to Bidder.	Nos.	200
SOR-4	BIDI SFP+ (10 KM)-10G-CGIN.SFP 10 G BIDI SFP+10 km as per Technical specifications of SOR-4 of Information to Bidder.	Nos.	200

SOR-1: As per RDSO specification RDSO/SPN/TC/65/2019 (Field Switches (8 ports)/RDSO clause no.14 (III)-Page 38-39)	
SN	Description
1	Switch Should Support 8 10/100/1000BASE-T PoE and 2 SFP ports
2	Switch Should Support Min. 20 Gbps Switching Capacity and Maximum 64 Byte Packet Forwarding Rate is 14.88 MPPS
3	Switch Should Support IEEE 802.3af & at compliance (for PoE ports) and 120W Power Budget.
4	Switch should support surge protection of 2kV as per IEC/EN 61000-4-5
5	Switch should support IGMP Snooping v1, v2 and MLD snooping v1/v2
6	Switch shall support IEEE 802.1AB Link Layer Discovery Protocol (LLDP) or LLDP-MED.
7	Switch Should Support 4K VLAN ID's, Min 256 static VLAN and Voice & Video VLAN
8	Switch should support Port Mirroring One to one/Many to One
9	Switch should support Quality of Service (QoS), 802.1p, Strict, Weighted Round Robin (WRR)/ Shaped Round Robin (SRR) scheduling.
10	Switch should support Access Control List (ACL), Port Base, MAC Base, IP Based, L2 & L3 ACL (IPv4 and IPv6)
11	Switch Should Support Security Features like Broadcast/Multicast/Unicast Storm Control, Traffic segmentation, TLS, DoS attack prevention, 802.1X Port-based Access Control, Port Security, ARP Spoofing Prevention, DHCP Server Screening, IP-MAC-Port Binding, ARP Inspection, DHCP Snooping, 802.1X Authentication local/RADIUS database (IPv4 & IPv6), port-based access control.
12	Switch Should Support features IPv4 & IPv6 Inspection, SSH v2 feature, Flow Control governed by IEEE 802.3x.
13	Switch Should Support Management thru console Port, Web-based and CLI.
14	Switch Should Support SNMP v1/v2c/v3.
15	Operating temperature/ Humidity: 0°C to 50°C, 10%-90% non-condensation.
16	The switch should work on 100-240V AC, 50Hz power supply.
17	Switch should have EMI CERTIFICATE as per EN/FCC/IC/CE.
18	should have SAFETY CERTIFICATE of as per UL/ IEC/EN 60950.

SOR-2: As per RDSO specification RDSO/SPN/TC/65/2019 (Aggregation Switch/RDSO clause no.14 (I)-Page 36-37)	
SN	Description
1	Should have minimum 24 x GE SFP based ports
2	Should have minimum 4 nos. SFP+ based 10 GE ports.
3	Should have at least 64 Gbps full duplex line rate traffic.
4	Should have support for 802.3x flow control.
5	Should support 802.1D spanning tree control/RSTP support and MSTP support.
6	Should support management features viz. Web-based GUI/SSH, SNMP, TFTP Client System Log.

7	Should support Auto MDI-II/MDI-X uplink for all the twisted pair ports.
8	Should support 802.1Q VLAN, 802.1p Priority queues.
9	Should support port mirroring, jumbo frame & should have at least 16K MAC address.
10	Should support console port and telnet-based management.
11	Should have AC power supply arrangement as given below in chassis without any external adaptors with redundant power supply (RPS): AC power supply 100 to 240 V AC with 50 to 60 Hz. Switch Should also work with -48 VDC Supply and 100-240 VAC Supply with 50-60 Hz.
12	Should support Port-based VLAN, 802.1Q Tagged VLAN along with Management VLAN.
13	Should support ITU-T G.8032 Ethernet Ring protection for Loop Protection and fast convergence time (Sub 50 ms) in ring topologies/ IEEE 802.1W RSTP for Sub Second failover. Industry Standard IEEE 802.1W RSTP is standard for Ring /STP topology.
14	Switch should support Surge Protection on power input and on Ethernet ports as per EN61000-4-5 standard and as per requirement at Indian Railway Station.
15	Should support Quality of Service (QoS) features viz. Priority Queue, Class of Service (CoS), Rate Limiting (Bandwidth Control), Strict Priority Queue (SPQ), Weighted Round Robin (WRR) or better, DOS attack prevention.
16	IPv6 feature should be ready from day 1.
17	Minimum Operating Temperature 0 to 50 degree.
18	It should have safety certificates as per UL/IEC/EN 60950-. The Switch should have EMC certification as per EN/CE/FCC Standards.
19	Switch shall be with Rack Mountable clams for standard 19-inch rack mountable.
20	The Switch shall be designed for continuous operations.
21	Should support port Trunking of at least 2 Nos.GE/10GE ports.
22	Switch should support LLDP or similar functionality.

23	Switch should support following security features viz: i) SSL (HTTPS)/SSH, ii) Broadcast/Multicast/Unicast Storm Control, iii) Optical Power SFP threshold alarms iv) DoS Attack prevention/DAI
24	Switch should support following SNMP traps or syslog i) Interface UP & DOWN ii) Optical Power SFP threshold alarms iii) STP Topology Changes and New root bridge iv) LLDP table changes

SOR-3: SFP 10G 40 KM (BIDI)	
SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, D Link, Zyxel, Edge Core, and Extreme etc.
2	Should support 20-40 kms optical distance on single fiber.
3	Should have LC type connector.
4	Should provide the cost in pair (BX U & D).
5	Should have 10 Gigabit Ethernet capacity on single mode fiber.
6	Should support Digital Diagnostic Monitoring 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 and UL regulatory compliances.
9	Operating temperature of the SFP should be minimum 0 to 65 °C (23 to 149 °F)

SOR-4: SFP 10G 10 KM (BIDI)	
SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, D Link, Zyxel, Edge Core, Extreme etc.
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 10 Gigabit Ethernet capacity on single mode fiber.
6	Should support Digital Diagnostic Monitoring 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 and UL regulatory compliances.
9	Operating temperature of the SFP should be minimum 0 to 65 °C (23 to 149 °F)

Annexure-II

**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. GEM/2020/B/661717,dated 05.06.2020.

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

(P.Lal)
**Addl. General Manager/Project
For & on behalf of RailTel Corporation of India Ltd.**

GURANTEE BOND FOR SECURITY DEPOSIT

(On Stamp Paper of requisite value)

(To be used by approved Scheduled Banks)

In consideration of the RailTel Corporation of India Limited: 6th Floor, Block-III, Delhi IT Park, Delhi-110053.

1. (Herein after called RailTel) having agreed to exempt (Hereinafter called "the said Contractor(s)") from the demand, under the terms and conditions of an Agreement No. dated made between and for (hereinafter called " the said Agreement") of security deposit for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, or production of a Bank Guarantee for Rs. (Rs. only). We,(indicate the name of the Bank) hereinafter referred to as " the Bank") at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding Rs. Against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We,Bank and our **local branch at New Delhi (indicate detail address of local New Delhi Branch with code no.)** do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount is claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

3. We,bank undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor (s) / Supplier (s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal.

The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.

We, Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that

the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the
(1) We shall be discharged from all liability under this Guarantee thereafter.

We, We (indicate the name of Bank) Further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time of to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have affect of so relieving us.

This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s) Supplier(s).

We, the Bank further agree that this guarantee shall be invocable at our place of business at/New Delhi (indicate detailed address of local New Delhi Branch with code no.). The branch at New Delhi is being advised accordingly.

(indicate the name of Bank) lastly undertaken not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

Dated the day of 2020

for
(Indicate the name of the Bank)

Witness

1. Signature

Name

2. Signature

Name