

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

Ref: GeM Bid No. GEM/2019/B/245820 dated 30.05.19

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. Delivery period: **60 days** from the date of PO.
8. **Tender Cost & Earnest Money Deposit (EMD)/ Bid Security:**
 - 8.1 **Tender Cost:** Estimated cost of the Tender is **Rs. 1,83,25,896/-**
 - 8.2 **Earnest Money Deposit (EMD)/ Bid Security: Rs. 3,67,000/-** 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.
9. 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.

10. 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 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 Corporate Office Gurugram,
- 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 New Delhi.

11. 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 **Server/Router /Switches/Wi-Fi System equipment/SFPs/XFPs** 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)

12. Eligibility Criteria for Bidder:

- a. The tenderer should have executed order of supply/ provision of **Server/Router /Switches/Wi-Fi System equipment/SFPs/XFPs** 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 Annex-III.

13. SPLITTING OF QUANTITY-

13.1 DELETED.

- 13.2 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.

14. WARRANTY:

- 14.1 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.

14.2 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 with in 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.

15. Long Term Maintenance Support:

Tenderer (OEM) shall provide maintenance support after successful completion of the warranty obligations for a minimum period of **5 years**. The long term maintenance support shall be comprehensive and include all hardware and software of equipment supplied against this contract. RailTel should be extended the benefits of periodical software patches/updates made by OEM on the system from time to time for equipment security/performance without any additional cost to RailTel.

Buyer reserves the right to enter into AMC @ 3.5% of ordered value of equipment before 30 days of expiry of warranty period. In case bidder refuses to enter into AMC, PBG will be forfeited.

Separate agreement for AMC (Long term Maintenance Support) before expiry of warranty period shall be entered into with OEM/the authorized partner of OEM by RailTel. A fresh Bank Guarantee valid for **5 years** and four months for 10% of the Long Term Maintenance Support cost of five years, shall be required to be submitted by bidder for due fulfillment of long term maintenance support obligation.

Quarterly payment for AMC Charges would be made by RailTel after successful completion of AMC Services of that quarter and on the certificate furnished by concerned RailTel representative.

Note: The acceptance of the above clause is mandatory and specific acceptance from OEM is required to be enclosed as per Annexure-II. Any deviation / non acceptance will lead to rejection of the bid.

16. 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. Insurance Certificate.
- f. Warranty Certificate of OEM
- g. Copy of BG
- h. Certificate of receipt of Goods & installation thereof from RailTel.

17. Offline Submissions:

The bidder is required to submit the following documents offline to RailTel Corporation of India Ltd, Institutional Area, Plot No. 143, Sector 44, Gurugram/ ROs before **15:00 Hrs of 13.06.19** 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 13.06.19**

- i. EMD
- ii. MAF/ OEM Authorization Letter (as per Annexure-III)
- 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 Annex-I.
- vii. Certificate from the End user against the Eligibility criteria for OEM para 11.
- viii. Acceptance from OEM as per Annexure-II against long term maintenance support para 15.

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/2019/B/245820 dated 30.05.19.**

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

Technical Specifications

1. All Equipment should be:

- i. With 3 years warranty & 5 years AMC. The product should not be declared EOL or EoS by OEM for next 8 Years.
- 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
Switches:			
SOR-1	Switches Type-A (24 ports 10/100/1000 Mbps Base T & 4 ports SFP) as per Technical specifications of SOR-1 of Information to Bidder.	Nos.	355
SOR-2	Switches Type-B (8 ports PoE & 2 ports SFP) as per Technical specifications of SOR-2 of Information to Bidder.	Nos.	456
SOR-3	Switches Type-C (24 ports SFP & 4 ports SFP+) as per Technical specifications of SOR-3 of Information to Bidder.	Nos.	276
SFPs:			
SOR-4	SFP Type-A 1G BIDI SFP 10 KM as per Technical specifications of SOR-10 of Information to Bidder.	Nos.	1257
SOR-5	SFP Type-D 10G BIDI SFP+ 40 KM as per Technical specifications of SOR-13 of Information to Bidder.	Nos.	240
SOR-6	SFP Type-E 10G BIDI SFP+ 60 KM as per Technical specifications of SOR-14 of Information to Bidder.	Nos.	150
SOR-7	SFP Type-F SFP TX (Electrical) as per Technical specifications of SOR-15 of Information to Bidder.	Nos.	108

SOR-1: Switch Type-A

SN	Description
1	Should have 24 ports 10/100/1000 Base-Tx
2	Should have support for 4 ports SFP Based Gigabit ports.
3	Should have at least 48 Gbps switching fabric.
4	Packet forwarding rates 30 million PPS
5	Should support at least 16K entries in the MAC table.
6	Should Support 255 minimum VLANs.
7	Should have AC and DC power supply arrangement as given below in chassis without any external adaptors :
	i) AC Power Supply 100 to 240 V AC with 50 to 60 Hz
	ii) -48V DC supply
	Railtel will specify the requirement of power supply arrangement AC or DC at the time of sub purchase order. In case not specified, tenderer should seek clarification on the power supply arrangement.
8	Should support Dual Images.
9	Should support Optical Transceiver Digital Diagnostic Monitoring for All SFP ports of 1G.
10	Should support port mirroring and jumbo frame 9k.
	Should support following for min. 64 Groups :
	i) IGMP Snooping,
	ii) IGMP v1/v2/v3 awareness Snooping,
11	iii) IGMP Snooping Queried.
12	Should support spanning-tree root guard, Port Fast and BPDU Guard/Filter or similar functionalities.
13	Should support following security features viz.:
	i) Web Management (HTTPS),
	ii) Broadcast/Multicast/Unicast Storm Control,
	iii) DoS Attack Prevention
14	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
	v) Threshold alarms for Temperature.
	vi) Ethernet OAM SNMP alarms.
15	Switch should comply to following Temperature performance parameters :
	i) Operating Temperature - min -0 to 50 °C (23 to 122 °F)
	ii) Storage Temperature - min -0 to 70 °C (-40 to 158 °F)
16	It shall support MAC address notification to allow administrators to be notified of users added to or removed from the network.
17	The switch shall be designed for continuous operations.
18	IPv6/v4-L3 and IPv6-Multicast functionalities/features for Switches are desired but not mandatory.
19	Safety Requirement :-

	Switch should have safety compliance of UL.
20	Electromagnetic Compatibility (EMC) Requirements:-
	Switch should have EMC compliance of CE and FCC.
21	The LAN switch shall support a console port or auxiliary/Ethernet port for the purpose of local and remote configuration and diagnostics.
22	The LAN switch shall support built in power diagnostics system to detect hardware failures.
23	IPv6 feature should be ready from day 1.
24	Qualitative Requirements:-
	i. The equipment shall be manufactured in accordance with the international standards ISO 9000:2008 or later for which the manufacturer shall be duly accredited. A quality plan describing the quality assurance system followed by the manufacturer shall be required to be submitted
	ii. The MTBF (Mean Time Between Failure) and MTTR (Mean Time To Repair) predicted and observed values shall be furnished along with calculations by the manufacturer.
25	Switch should support following Metro Ethernet Features:
	i. Q in Q , Double VLAN (Q-in-Q) ,Port-based Q-in-Q and VLAN Translation
	ii. IEEE 802.1ag Ethernet OAM: Connectivity Fault Management
	iii. Ethernet OAM compliant with IEEE 802.3ah/Y.1731
	iv. ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 ms) in ring topologies.
	v. L2 Protocol Tunneling.
	vi. Loopback Detection
	The operating system of the Switches category/series/family should be MEF-9/14 or CE (Carrier Ethernet) Certified/compliant.
	Note: 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.

SOR-2: Switch Type-B	
SN	Description
1	Should have 8 ports 10/100/1000 Mbps Base T
2	Should have support for 2 ports SFP Based Gigabit ports.
3	Should have at least 20 Gbps switching fabric.
4	Should support at least 8Kentries in the MAC table.
5	Packet forwarding rates 14 million PPS
6	Should Support 255 minimum VLANs.
7	Switch should support IEEE 802.3af & IEEE 802.3at on Ethernet ports & Min 120W PoE Power Budget.
8	Should have AC Power Supply 100 to 240 V AC with 50 to 60 Hz and equipped with 3 pin plug.
9	Should support Dual Images.
10	Should support port mirroring and jumbo frame.
11	Should support following for min. 64 Groups :
	i) IGMP Snooping,
	ii) IGMP v1/v2/v3 awareness Snooping,

	iii) IGMP Snooping Queried.
12	Should support RSTP, spanning-tree root guard, Port Fast and BPDU Guard/Filter or similar functionalities.
13	Switch should support : i) Surge protection of ± 2 kV (line-earth) and ± 1 kW (line-line) on power ii) Surge protection of ± 4 kV on Ethernet ports and this will be applicable in case switch has copper ports.
14	Should support following security features viz.: i) Web Management (HTTPS), ii) Broadcast/Multicast/Unicast Storm Control, iii) DoS Attack Prevention
15	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 v) Threshold alarms for Temperature.
16	Switch should comply to following Temperature performance parameters : i) Operating Temperature - min -0 to 50 °C (23 to 122 °F) ii) Storage Temperature - min -0 to 70 °C (-40 to 158 °F)
17	It shall support MAC address notification to allow administrators to be notified of users added to or removed from the network.
18	The switch shall be designed for continuous operations.
19	IPv6/v4-L3 and IPv6-Multicast functionalities/features for Switches are desired but not mandatory.
20	Safety Requirement :- Switch should have safety compliance of UL.
21	Electromagnetic Compatibility (EMC) Requirements:- Switch should have EMC compliance of CE and FCC.
22	The LAN switch shall support a console port or auxiliary/Ethernet port for the purpose of local and remote configuration and diagnostics.
23	IPv6 feature should be ready from day 1.
24	Qualitative Requirements:- i. The equipment shall be manufactured in accordance with the international standards ISO 9000:2008 or later for which the manufacturer shall be duly accredited. A quality plan describing the quality assurance system followed by the manufacturer shall be required to be submitted ii. The MTBF (Mean Time Between Failure) and MTTR (Mean Time To Repair) predicted and observed values shall be furnished along with calculations by the manufacturer.

Note :- 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.

SOR-3: Switch Type-C

SN	Description
1	Should have 24 ports SFP Based Gigabit ports.
2	Should have support for 4 ports SFP+ Based Gigabit ports.
3	Should have at least 120 Gbps switching fabric.
4	Packet forwarding rates 90 million PPS
5	Should support at least 16K entries in the MAC table.
6	Should Support 255 minimum VLANs.
7	Should have AC and DC power supply arrangement as given below in chassis without any external adaptors :
	i) AC Power Supply 100 to 240 V AC with 50 to 60 Hz
	ii) -48V DC supply
	DC power supply should work as a redundant power supply to power-on the switch in case failure of AC power supply.
8	Should support Dual Images.
9	Should support Optical Transceiver Digital Diagnostic Monitoring for All SFP ports of 1G and 10G
10	Should support port mirroring and jumbo frame.
11	Should support following for min. 64 Groups :
	i) IGMP Snooping,
	ii) IGMP v1/v2/v3 awareness Snooping,
	iii) IGMP Snooping Queried.
12	Should support RSTP ,MSTP , spanning-tree root guard, Port Fast and BPDU Guard/Filter or similar functionalities.
13	Should support following security features viz.:
	i) Web Management (HTTPS),
	ii) Broadcast/Multicast/Unicast Storm Control,
	iii) DoS Attack Prevention
14	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
	v) Threshold alarms for Temperature.
	vi) Ethernet OAM SNMP alarms.
15	Switch should comply to following Temperature performance parameters :
	i) Operating Temperature - min -0 to 50 °C (23 to 122 °F)
	ii) Storage Temperature - min -0 to 70 °C (-40 to 158 °F)
16	It shall support MAC address notification to allow administrators to be notified of users added to or removed from the network.
17	The switch shall be designed for continuous operations.
18	IPv6/v4-L3 and IPv6-Multicast functionalities/features for Switches are desired but not mandatory.
19	Safety Requirement :-
	Switch should have safety compliance of UL.
20	Electromagnetic Compatibility (EMC) Requirements:-

	Switch should have EMC compliance of CE and FCC.
21	The LAN switch shall support a console port or auxiliary/Ethernet port for the purpose of local and remote configuration and diagnostics.
22	The LAN switch shall support built in power diagnostics system to detect hardware failures.
23	IPv6 feature should be ready from day 1.
24	Qualitative Requirements:-
	i. The equipment shall be manufactured in accordance with the international standards ISO 9000:2008 or later for which the manufacturer shall be duly accredited. A quality plan describing the quality assurance system followed by the manufacturer shall be required to be submitted
	ii. The MTBF (Mean Time Between Failure) and MTTR (Mean Time To Repair) predicted and observed values shall be furnished along with calculations by the manufacturer.
25	Switch should support following Metro Ethernet Features:
	i. Q in Q , Double VLAN (Q-in-Q) ,Port-based Q-in-Q and VLAN Translation
	ii. IEEE 802.1ag Ethernet OAM: Connectivity Fault Management
	iii. Ethernet OAM compliant with IEEE 802.3ah/Y.1731
	iv. ITU-T G.8032 Ethernet Ring Protection designed for loop protection and fast convergence times (sub 50 ms) in ring topologies.
	v. L2 Protocol Tunneling.
	vi. Loopback Detection
	The operating system of the Switches category/series/family should be MEF-9/14 or CE (Carrier Ethernet) Certified/compliant.

SOR-4: SFP 1G 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 1 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.

SOR-5: SFP 10G 40 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 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-6: SFP 10G 60 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 40-60 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)
10	Tx/Rx wavelength should be either in the range of 1300nm or 1500nm.
11	For Tx/Rx wavelength in the range of 1300nm (1270nm/1330nm) power budget should be minimum 21 dBm.
12	For Tx/Rx wavelength in the range of 1500nm (1490nm/1550nm) power budget should be minimum 16 dBm

SOR-7: SFP 1G Electrical

SN	Description
1	Should be compatible with OEM equipment's like Cisco, Juniper, D Link, Zyxel, Edge Core, Extreme etc.
2	Should support 90 m copper distance
3	Should have RJ-45 type connector
4	Should have 1 Gigabit Ethernet Capacity

PROFORMA FOR THE LONG-TERM MAINTENANCE SUPPORT

(To be signed by the O.E.M.)

To
The Executive Director/Operations,
RailTel Corporation of India Limited

I / We hereby confirm and accept that against RailTel Tender No. , there is a requirement of Long Term Maintenance Support as per Clause 15. We confirm that Long Term Maintenance Support shall be met by us directly or through Authorized partner, as the case may be based on contracts. I / We have gone through the requirement mentioned in the Tender document and shall provide services for the offered supply items.

(Signature of Firm's Authorized Officer)
Seal

Signature of witness:

1.
2.

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

Dated:

.....
.....
.....

**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 authorise 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,

Authorised Signatory

**(Jagdeep Singh)
Executive Director/Operations
For & on behalf of RailTel Corporation of India Ltd.**