

### Bid Document

| Bid Details                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bid End Date/Time                                                     | 28-01-2021 15:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Bid Opening Date/Time                                                 | 28-01-2021 15:30:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Bid Life Cycle (From Publish Date)                                    | 90 (Days)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Bid Offer Validity (From End Date)                                    | 70 (Days)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ministry/State Name                                                   | Ministry Of Railways                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Department Name                                                       | Na                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Organisation Name                                                     | Railtel Corporation Of India Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Office Name                                                           | Railtel Corporation Of India Ltd Kolkata                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Total Quantity                                                        | 166                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Item Category                                                         | Layer 2 Access Switch , Small form-factor pluggable transceiver                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bidder Turnover (Last 3 Years)                                        | 5 Lakh (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEM Average Turnover (Last 3 Years)                                   | 5 Lakh (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Experience Criteria                                                   | 3 Year (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MSE Exemption for Years of Experience and Turnover                    | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Startup Exemption for Years of Experience and Turnover                | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Document required from seller                                         | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC)<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Past Performance                                                      | 40 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Bid to RA enabled                                                     | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Primary product category                                              | Layer 2 Access Switch                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Time allowed for Technical Clarifications during technical evaluation | 5 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inspection Required                                                   | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Estimated Bid Value                                                   | 959151.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Evaluation Method                                                     | Total value wise evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### EMD Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### ePBG Detail

|                                     |                     |
|-------------------------------------|---------------------|
| Advisory Bank                       | State Bank of India |
| ePBG Percentage(%)                  | 3.00                |
| Duration of ePBG required (Months). | 26                  |

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

#### **Beneficiary:**

Asstt. GM/Contracts

RailTel corporation of India Ltd., 3rd Floor, Chatterjee International Centre, 33A Jawaharlal Nehru Road, Kolkata - 700071.

(Puthenpurackal Devasia James)

#### **Splitting**

Bid splitting not applied.

#### **MII Purchase Preference**

|                         |     |
|-------------------------|-----|
| MII Purchase Preference | Yes |
|-------------------------|-----|

#### **MSE Purchase Preference**

|                         |     |
|-------------------------|-----|
| MSE Purchase Preference | Yes |
|-------------------------|-----|

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an

MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Layer 2 Access Switch ( 54 pieces )

(Minimum 50% Local content required for MII compliance)

### Technical Specifications

[\\* As per GeM Category Specification](#)

| Specification | Specification Name                            | Bid Requirement (Allowed Values) |
|---------------|-----------------------------------------------|----------------------------------|
| Specification | <b>Type of Switch</b>                         | Managed                          |
|               | <b>Technology</b>                             | Non PoE                          |
|               | <b>Number of 1G Copper Ports</b>              | 24                               |
|               | <b>Number of 10G Copper Ports</b>             | 0                                |
|               | <b>No. of 1 G SFP Port (Uplink)</b>           | 4                                |
|               | <b>No. of 10 G SFP+ Port (Uplink)</b>         | 0                                |
|               | <b>Multi-Gigabit Support</b>                  | No                               |
|               | <b>Redundant Power supply ( from day one)</b> | Not available                    |
|               | Switching Capacity -Non Blocking (Gbps)       | 56                               |
|               | Throughput (MPPS)                             | More than 41.67 Or higher        |
|               | <b>on Site OEM Warranty</b>                   | 3                                |

### Additional Specification Parameters - Layer 2 Access Switch ( 54 pieces )

| Specification Parameter Name                                                                                                                                                                                                                  | Bid Requirement (Allowed Values)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) Entries in the MAC table (2) VLAN support (3) Power supply (4) Dual Images (5) Optical Transceiver Diagnostic Monitoring (6) Port mirroring and Jumbo frame (7) Should support for min 64 Groups(8) Spanning-tree similar functionalities | (1) Support at least 16K entries in the MAC table (2) Support 255 min. VLANs. (3) AC PS 100-240 V AC/50-60 Hz .without external adaptor (4) Support Dual Images (5) support OTDDM for all SFP ports (6) Support port mirroring and jumbo frame 9k (7) Support for min. 64 Groups: i) IGMP Snooping, ii) IGMPv1/v2/v3 awareness Snooping, iii) IGMP Snooping Queried 8) Support spanning-tree root guard, Port Fast and BPDU Guard/Filter                                                              |
| (9) Security Features (10) Support SNMP traps or syslog (11) Operating & Storage Temperature (12) MAC address support (13) Switch design                                                                                                      | 9) i) Web Mgnt. ii) Broadcast/ Multicast/ Unicast Storm Control iii) DoS Attack Prevention (10) i) Interface UP & Dn. ii) Optical power SFP threshold alarms iii) STP Topology Changes, New root bridge iv) LLDP table changes v) Threshold alarms for Temp. vi) Ethernet OAM SNMP alarms (11) Comply to Temp. performance i) Op. Temp. min 0 to 50 °C ii) Storage Temp. min. 0 to 70 °C (12) MAC address notification allow admin to notified change in user (13) Designed for continuous operations |
| (14) IPv6/v4 functionalities (15) Safety Requirement (16) Electromagnetic Compatibility                                                                                                                                                       | (14) IPv6/v4-L3, IPv6-Multicast functionalities for desired but not mandatory (15) Should have safety compliance of UL or equivalent (16) Should have EMC compliance of CE and FCC or equivalent (17) Shall support a console port or                                                                                                                                                                                                                                                                 |

|                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (EMC) Requirements (17) Local and remote configuration and diagnostics (18) Power diagnostics system | auxiliary/Ethernet port for the purpose of local and remote configuration and diagnostics (18) The LAN switch shall support built in power diagnostics system to detect hardware failures                                                                                                                                                                                                                                                                                                              |
| 19) Qualitative Requirements(20) Metro ethernet features                                             | (19 i.) The equipment shall be manufactured in accordance with the ISO 9000:2008 or later std. for which the manufacturer shall be accredited. A quality plan describing the QA system followed and shall be submitted. OEM should have min. 4 no. service centre locations in India ii. The MTBF and MTTR predicted and observed values shall be furnished along with calculations by the manufacturer (20): i.) Q in Q , Double VLAN (Q-in-Q), Port-based Q-in-Q and VLAN Translation                |
| (20) Metro ethernet features (Contd..) (21) Note                                                     | ii.) IEEE 802.1ag Ethernet OAM: Connectivity Fault Mgnt. iii.) Ethernet OAM compliant with IEEE 802.3ah/Y.1731 iv.) ITU-T G.8032 Ethernet Ring Prot. designed for loop prot. and fast convergence times (sub 50 ms) in ring topologies. v.) L2 Protocol Tunneling. vi.) Loopback Detection. Operating system category should be MEF-9/14 or CE compliant (21) Support feature should be available without any other HW/ SW/ licenses required for enabling the feature shall be included in the offer. |

\* Bidders offering must also comply with the additional specification parameters mentioned above.

#### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address                                                         | Quantity | Delivery Days |
|-------|-----------------------------|-----------------------------------------------------------------|----------|---------------|
| 1     | Amit Kumar Kosta            | 700001, RCIL, 2nd Floor, New Koilaghat Building, 14 Strand Road | 54       | 30            |

#### Small Form-factor Pluggable Transceiver ( 112 pieces )

(Minimum 50% Local content required for MII compliance)

#### Technical Specifications

[\\* As per GeM Category Specification](#)

| Specification | Specification Name                 | Bid Requirement (Allowed Values) |
|---------------|------------------------------------|----------------------------------|
| Specification | <b>Type of Transceiver</b>         | SFP+                             |
|               | SFP Mode                           | Single                           |
|               | Compatibility with OEMs Products   | allmajoroem                      |
|               | Wavelength(nm)                     | 1310                             |
|               | Fibre Cable Type                   | singlemode                       |
|               | Maximum Data Rate                  | 1000                             |
|               | Modal Bandwidth (MHz/Km)           | 20                               |
|               | Max.Cable Distance                 | 20                               |
|               | Optical Component (nm)             | 1310                             |
|               | <b>On Site OEM Warranty (Year)</b> | 3                                |

#### Additional Specification Parameters - Small Form-factor Pluggable Transceiver ( 112 pieces )

| Specification Parameter Name | Bid Requirement (Allowed Values)                                                                  |
|------------------------------|---------------------------------------------------------------------------------------------------|
| Compatibility                | Should be compatible with OEM equipment like Cisco, Juniper, D Link, Zyxel, Edge Core and Extreme |

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| Type of connector, Management feature | Should have LC type connector, Should support DDMI feature                                   |
| Certification                         | OEM Should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid. |
| Regulatory compliances                | Should have CE and FCC or equivalent regulatory compliances                                  |
| Operating Temperature                 | Operating Temperature of the SFP Should be min. 0 to 65 °C                                   |

\* Bidders offering must also comply with the additional specification parameters mentioned above.

#### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address                                                         | Quantity | Delivery Days |
|-------|-----------------------------|-----------------------------------------------------------------|----------|---------------|
| 1     | Amit Kumar Kosta            | 700001, RCIL, 2nd Floor, New Koilaghat Building, 14 Strand Road | 112      | 30            |

#### Bid Specific Additional Terms and Conditions

1. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
2. IT equipment shall be IPv6 ready from day one.

#### 3. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

4. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

5. **IMPORTED PRODUCTS:** In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

6. **Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER):** Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

7. Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of RailTel Corporation of India Limited A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in

favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

8. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name RailTel Corporation of India Ltd. Account No. 38541405681 IFSC Code SBIN0001054 Bank Name State Bank of India Branch address Chowringhee Branch, 34 Jawaharlal Nehru Road, Kolkata - 700071. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.
9. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

**10. Commercial Experience Eligibility Criteria:**

For experience, the order(s) executed by the bidder, during the last five years ending on the last day of the month immediately preceding the month in which the last date of bid submission falls, should be considered as under:

Three orders each executed for similar item (such as Layer2 Access Switch) where executed value is not less than the amount equal to 30% of the estimated cost. (i.e Rs. 287745.36)

OR

Two orders each executed for similar item (such as Layer2 Access Switch) where executed value is not less than the amount equal to 40% of the estimated cost. (i.e Rs. 383660.48)

OR

One order executed for similar item (such as Layer2 Access Switch) where executed value is not less than the amount equal to 50% of the estimated cost. (i.e Rs. 479575.6)

The last date of order execution may fall in the above mentioned period.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**