

RailTel's Bid Specific Additional Terms & Conditions (ATC)

Information to Bidder for the “Supply of Patch cord, Attenuator, Adaptor, Layer-2 Access Switch, SFP; and Supply & Installation of 10 KVA Online UPS & SMF VRLA Battery for O&M of RailTel Corporation of India Limited, Eastern Region”

Ref: GeM Bid No. GEM/2025/B/6860972, Dated: 07.11.2025

Contact Person for the GeM Bid (in case of any query):

1. Pooran Singh, AGM/Tender

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2. Sh. Sanjay Kumar, DGM/NOC

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TReDS feature is available	Yes, on m1xchange portal, (URL: https://www.m1xchange.com)
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- The 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 in Annexure-I and Annexure-VI.
- The bidder should be either OEM or his authorized dealer/distributor/partner/trader.
- OEM or Authorized dealer/ distributor/ Partner/ Trader authorized by OEM specific to this bid should have a registered office in India to provide sales and 24x7 support in India. The certificate to this effect should be submitted.
- The material offered shall have complete data sheets and detailed description on OEM websites. Bidders are required to submit duly filled and signed technical compliance of the material offered in Annexure-I, failing which the bids may be rejected. All the Technical specification outlined in the ATC will prevail over the GEM
- GSTIN ID of vendor should be provided from where goods will be supplied.
- SOR, Estimated Cost, Delivery Period & Consignee:**

SOR No.	Details of Material	Estimated Cost in Rs. (Incl. GST)	Delivery Period	Remarks
1	Patch cord, Attenuator, Adaptor and SFP	18,40,700.00	45 to 360 Days	In 4 Lots
2	Supply of Layer-2 Access Switch	17,50,117.20	60 Days	In 1 Lot
3	Supply of Layer-2 Switch and accessories	53,66,441.00	60 Days	In 1 Lot
4	Supply & Installation of 10 KVA Online UPS and SMF VRLA Battery	52,11,906.00	60 Days	In 1 Lot
Total Amount in Rs. (Incl. GST)		1,41,69,164.20		

6.1. Delivery Period:

6.1.a: SOR-1: Patch cord, Attenuator, Adaptor and SFP:

The material shall be delivered in Staggered delivery period of one year as per the delivery schedule given below:

Lot	Delivery Schedule (in number of days from contract start days)	
	Delivery starts after	Delivery to be completed by
1 st Lot	1	45
2 nd Lot	120	150
3 rd Lot	240	270
4 th Lot	330	360

(Qty. to be supplied in each Lot is given in Annexure- VI.a)

6.1.a.1 However, if there is an urgent requirement, the material shall be delivered within 2 months from the date of advice.

If material is not supplied within the approved delivery period then penalty of 0.5% of undelivered quantity per week or part thereof for the undelivered portion subject to the maximum to the 10% of the contract value will be levied.

6.1.a.2 Consignee : List of consignees is available at Annexure-VI.a

6.1.a: SOR- 2: Layer-2 Access Switch:

The bidder has to complete the supply within 60 days from the date of issue of confirmed PO. If material is not supplied within the approved delivery period then penalty of 0.5% of undelivered quantity per week or part thereof for the undelivered portion subject to the maximum to the 10% of the contract value will be levied.

Proof of Concept (POC)/Demonstration

Bidders offering their equipment are to conduct POC/Demonstration as advised by RailTel within 21 days of opening of technical bid at RailTel NOC/ Kolkata or any other locations advised by the POC team. The expenses incurred for POC/Demonstration will be borne by the bidder. Bidders must ensure that make and model of Hardware & Software used in POC/Demonstration should be same as offered in their submitted bids. Please note that no deviation in terms of Make & Model offered in Tender will be permitted. In case of any deviation found in make and model in Hardware/Software offered for POC/Demonstration, bidder's bid will be technically disqualified. If the offered equipment failed during the POC/Demonstration, the bidder's bid will be technically disqualified.

6.1.a: SOR- 3: Supply of Layer-2 Switch and accessories:

The bidder has to complete the supply within 60 days from the date of issue of confirmed PO. If material is not supplied within the approved delivery period then penalty of 0.5% of undelivered quantity per week or part thereof for the undelivered portion subject to the maximum to the 10% of the contract value will be levied.

Proof of Concept (POC)/Demonstration (For Layer 2 Switch only):

Bidders offering their equipment are to conduct POC/Demonstration as advised by RailTel within 21 days of opening of technical bid at RailTel NOC/ Kolkata or any other locations advised by the POC team. The expenses incurred for POC/Demonstration will be borne by the bidder. Bidders must ensure that make and model of Hardware & Software used in POC/Demonstration should be same as offered in their submitted bids. Please note that no deviation in terms of Make & Model offered in Tender will be permitted. In case of any deviation found in make and model in Hardware/Software offered for POC/Demonstration, bidder's bid will be technically disqualified. If the offered equipment failed during the POC/Demonstration, the bidder's bid will be technically disqualified.

6.1.a: SOR- 4: Supply & Installation of 10 KVA Online UPS and SMF VRLA Battery:

The bidder has to complete the supply within 60 days from the date of issue of confirmed PO. If material is not supplied within the approved delivery period then penalty of 0.5% of undelivered quantity per week or part thereof for the undelivered portion subject to the maximum to the 10% of the contract value will be levied.

6.1 b. Inspection :

6.1.b.1. The supplier/ manufacturer shall give a call for inspection within six weeks of issue of PO when the material is ready to be supplied and ready for inspection. The Inspection shall be carried out at supplier's/ Manufacturer's facility /at RailTel Store as decided by RailTel/ER by the Inspecting Authority/Consignee. The supplier shall make available for inspection all types of material in sufficient numbers so as to create a test setup for carrying out various tests as per the approved test plan and test setup..

6.1.b.2 The supplier/ manufacturer shall submit along with inspection call the details of test procedures, test programs, test parameters together with permitted values, etc., and their Quality Assurance Plan.

6.1.b.3 In case material/ equipment fails during inspection, the fresh lot of the same material/ equipment shall be offered without any extra cost, by the manufacturer/ supplier. In such a case, the total cost of re-inspection including travel, lodging & boarding of the inspecting officials shall be to manufacturer's / supplier's account/cost.

6.1.b.4 Inspection of the material shall be conducted by representative authorized by RailTel/ER at the firm's premises/consignee location decided by RailTel/ER. The inspection shall be conducted by the inspecting authority as per required test procedures/ test plan for ensuring that the material offered meets the required specifications.

6.1.b.5 The material should be offered for inspection within three weeks before the scheduled delivery period. Travelling, lodging and boarding expenses of RailTel representative and charges for third party inspection if any shall be borne by RailTel, but necessary facilities to carry out test/ witness inspection shall be provided by the manufacturer/ supplier, free of cost.

6.1.b.6 The manufacturer shall maintain stock register (receipt, issue and balance) and defect records for the raw material. The defect records shall be in standard formats, and it shall be compiled on a daily/ weekly/ monthly basis and it shall be analysed. "NIL" Report shall be segregated from the accepted material. First-in First-out concept shall be implemented in a foolproof manner. The batches of the raw material shall be identified and traceable. All relevant documents necessary to ensure traceability shall be maintained. The

raw materials shall be protected from direct exposure to sunlight, moisture, water ingress and heat etc.

6.1.b.7 Finished products shall be tested 100% by the factory QC personnel before being offered to RailTel for acceptance to ensure that it meets all quality requirements as per the relevant specifications. Duly filled in test formats indicating the results of such tests shall be submitted along with material offered for inspection to RailTel.

6.1.b.8 Exemption of inspection at factory premises (FAT) will be at the sole discretion of RailTel, if RailTel decides not to conduct Factory Acceptance Testing (FAT) at the manufacturing facility, the equipment shall be accepted on the basis of supplier's internal test report, guarantee and fitment certificate. In this regard, the written approval of the Head of the Indenting department should be obtained recording the reasons for it.

7 Estimated cost, Earnest Money Deposit/Bid Security:

7.1 Estimated cost Rs. 1,41,69,164.20 (Rupees One Crore Forty One Lakh Sixty Nine Thousand One Hundred Sixty Four and Twenty Paise only) (Incl. GST)

7.2 Earnest Money Deposit (EMD):

- (i) Earnest Money Deposit (EMD: Rs. 2,84,000.00 (Rupees Two Lakh Eighty Four Thousand only). EMD can be submitted in the form of Demand Draft/Pay Order/Banker's Cheque drawn in favour of "RailTel Corporation of India Ltd." payable at Kolkata.
- (ii) The Bid received without EMD will be summarily rejected.
- (iii) In addition to clause 7.2 (i) above, Tenderer has an option for online submission of EMD also. The EMD should be remitted in following bank account of RailTel Corporation of India Limited before the stipulated time and date of bid submission:

Name of the Bank and Address	Union Bank of India, Chowringhee Road Branch, 1/1 Camac Street, Ground Floor, Kolkata – 700016
Name of the account holder	RailTel Corporation of India Limited
Account Number	401601010519491
IFSC Code	UBIN0540161

Bidder to indicate bid no. and name of bidding entity in the transaction details field at the time of online transfer. Bidder has to upload scanned copy of Demand Draft/Pay Order/Banker's Cheque /proof of the online payment transfer along with bid. If EMD is submitted in the form of Demand Draft/Pay Order/Banker's Cheque, the original shall receive RailTel office at Salt Lake, Kolkata before the last date and time of submission of the bid.

- 7.2.a Eligible Micro and Small enterprise (MSEs) bidders/ Startups are exempted from submission of EMD amount. However, in lieu of EMD, MSE bidders/ Startups must furnish Bid Security Declaration (BSD) as per 'Annexure-V'.
- 7.2.b For small scale units registered with NSIC under single point registration Scheme and participating in this tender enquiry are exempted from depositing Earnest money. These

- exemptions are applicable provided units are registered with NSIC for tendered item and registration is current and valid. Firms claiming these exemptions are required to submit along with their offer, copy of their current and valid NSIC registration certificate for the tendered item, otherwise their offer would not be considered.
- 7.2.c Sellers/ Service provider having annual turnover of INR 500 Crore or more, at least in one of the past three completed financial years are exempted from submission of EMD as per GeM GTC with the bid.
- 7.2.d EMD shall be exempted for Micro & small Enterprises registered for the tendered items/ as per the latest Govt. of India guidelines. Under **MSE category, only manufacturers for offered goods in case of bid for supply of goods are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.** The bidders claiming the preference must submit relevant documents. The Bid received without EMD /Documentary proof of Exemption of EMD, will be summarily rejected.
- 7.2.e No exemption is, however, applicable to these units from payment of security deposit/ Performance Bank Guarantee.
- 7.2.f The Bid received without EMD/ documentary proof of exemption of EMD as per above clause will be summarily rejected.**
- 7.2.g Earnest Money of the unsuccessful bidder will be discharged/returned as promptly as possible. No interest shall be payable on the EMD.
- 7.3 RailTel is registered with m1xchange TReDS platform having buyer registration number "BUYER00001496". The URL for m1xchange platform is <https://m1xchange.com>. MSE suppliers/vendors are required to register themselves on m1xchange platform for availing the facility of bill discounting on TReDS portal. The bidder is mandatorily required to submit its TReDS registration number (as provided by m1xchange portal) and GRN (Goods/Service Receipt Note) Number (as provided by RailTel on delivery of Goods/Service) while submitting the invoices if requires to avail TReDS facility.
- 7.4 MSE vendor will bear all costs relating to availing the facility of discounting on TReDS platform including but not limited to Registration charges, Transaction charges for financing, Discounting charges, Interest on financing, or any other charges known by any name shall be borne by MSE vendor.
- 7.5 MSE vendor hereby agrees to indemnify, hold harmless and keep RailTel and affiliates, Directors, Officers, representative, agents and employees indemnified, from any and all damages, losses claims and liabilities (including legal costs) which may arise from Sellers submission, posting or display, participation, in any manner, on the TReDS platform or from the use of Services from the Buyer's breach of any of the terms and conditions of the Usage terms or of this agreement and any applicable Law on a full indemnity basis.
- 7.6 RailTel shall not be liable for any special, indirect, punitive, incidental or consequential damages or any damages whatsoever (including but not limited to damage for loss of profits or savings, business interruption, loss of information), whether in contract, tort, equity or otherwise or any other damages resulting from using TReDS platform for discounting their (MSE Vendor's) invoices.
- 8 This bid complies with "Public Procurement (preference to make in India) Policy Order, 2017 or latest issued by DIPP and Public Procurement Policy for Micro and Small Enterprises

(MSEs) order,2012” or latest issued by MoSME.” The bidders claiming.

9 Security Deposit / Performance Guarantee:

The successful tenderer shall submit Security Deposit / Performance Guarantee in the form of online transfer or FDR or irrevocable Bank Guarantee from any scheduled Commercial bank (either private or PSU) but not from any cooperative bank or NBFC for due fulfillment of contract as per the details given below:

- i. Security Deposit / Performance Guarantee @ 10% of total value of Purchase Order including GST, round off to the nearest higher Rs.1000/-. Performance Security is to be furnished within 30 (thirty) days from the date of the award, and it should remain valid for a period of 90 (ninety) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations **allowing claim period of one year** (in the event of forfeiture of the bank guarantee) on top of the guarantee period. PBG format specified in Annexure-IV.
- ii. Successful tenderer is required to furnish Security Deposit / Performance Guarantee within 30 days of issue of LOA/PO 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.

If the successful tenderer failed to submit Security Deposit/Performance Guarantee within 60 days of award of work, RailTel may terminate the contract.

- iii. The security deposit/PBG shall be submitted to Eastern Regional office.
- iv. **In case of PBG:** 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 details of RailTel's details for SFMS are as:

BG advising message – IFN 760COV/ IFN 767COV via SFMS
To mandatorily send the Cover message at the time of BG issuance. IFSC
Code of ICICI Bank to be used (ICIC0000007).
Mention the unique reference (RAILTEL6103) in field 7037

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 concerned Region. This PBG would be released after satisfactory completion of contract including warranty period.

Note:

1. Any performance security up to a value of Rs. 5 Lakhs is to be submitted through online transfer only.

RailTel's Bank Account Details for submission of online PG amount are given as below:

Company Name: RailTel Corporation of India Ltd.

Bank Name: Union Bank of India

Branch Name: Camac Street Branch

Bank IFSC: UBIN0540161

Account Type: Current Account

Account No.: 401601010519491

Address: 1/1, Camac Street, Ground Floor, Kolkata, West Bengal, PIN-700016

2. In case of submission of Performance Guarantee in form of FDR (More than 5 Lakhs), then lien should be created in favor of "RailTel Corporation of India Ltd."
3. No Interest shall be paid on the amount of Earnest Money and Performance Security held by RailTel at any stage.

10 Eligibility Criteria:

10.1 Technical Eligibility of the Bidder :

The Bidder/OEM {themselves or through reseller(s)}, should have executed project for supply and installation /commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance Certificate issued by respective Buyer Organisation for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion.

Definition of similar work: The work of Supply/ Supply & Installation of Switch/ Router/ SFP/ Patch Cord/ Online UPS and its Battery Set for any Government department/ State Government/ PSU/ public listed companies/ reputed TELECOs.

Note-1 : In case a contract is started prior to 03 (three) years, ending on the date of opening of bid, but completed in last 03 (three) years, ending on the date of opening of bid, the completed work shall be considered for fulfilment of credentials.

Note-2: Separate completed works of minimum required values for each component shall also be considered for fulfilment of technical eligibility criteria. In such cases, what constitutes a component in a composite work shall be clearly pre- defined with estimated tender cost of it, as part of the tender document (ATC) without any ambiguity. To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender document (ATC) for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be executed by tenderer himself.

Note-3: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, PSU or any reputed Telecommunications company (TELCO), work experience certificate

issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange (NSE) or Bombay Stock Exchange (BSE), incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.

In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.

10.2 Financial Criteria for Bidder:

The bidder should have minimum cumulative turnover from operation in the previous three financial years and the current financial year, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet.

The contact details of CA/Statutory Auditor along with UDIN No. shall be mandatorily mentioned on copy of certified Balance Sheet/Certificate.

For Startups recognized by Department of Industrial Policy and Promotion DIPP:

The bidder should have minimum cumulative turnover from operation in the previous three financial years and the current financial year, at least 50% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be attested

(Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India).

10.3 Bidder should have authorization specific to this tender from respective OEM as per Annexure-II. If OEM directly participating in the bid, self-declaration in this connection required to be submitted.

- I. 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. Thus, all hardware required for enabling the support/feature shall be included in the offer. The technical specifications are mentioned in Annexure-I.
- II. In case of the bidder is Authorized dealer/ distributor/ Partner/ Trader authorized by OEM specific to this bid, a certificate from the OEM to this effect should be submitted as per the Annexure-II (MAF).
- III. GSTIN ID of vendor should be provided from where goods will be supplied.
- IV. The Material offered shall have complete data sheets and detailed description on OEM websites. Bidder shall provide duly filled and signed Technical Compliance of the offered material, failing which the bid may get rejected.

- 10.4 The bidder should not have been banned/ blacklisted by Central Govt./State Govt./CPSU/any Telecom entity in India for the supply of material / security reasons. An undertaking by the Bidder on Company's letter head to be submitted.

The OEM should have proven facilities for Engineering, manufacture, assembly, integration and testing of material and facilities with respect to space, Engineering, Personnel, Test equipment, Manufacture, Training, Repair, Service Centre Supports for at least past three years. In case OEM is located outside India, it should have manufacturing, repair, service centre facilities in India also. The certificates/Undertaking for the same will have to be submitted online at GeM portal

11. Variation of Quantities at the Time of Award:

The purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchasers also reserve the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

12 Warranty:

12.1 The All the material are to be warranted for 36 Months and SMF VRLA Battery shall be warranted for 12 months from date of delivery to the consignee. The tenderer shall warrant that stores to be supplied shall be new and free from all defects and faults in material, workmanship and 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.

12.2 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 item 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.

12.3 SLA: After having been notified of the defects / service requirement during warranty 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.

13. Payment Terms:

- 13.1 Payment will be done after submission of the following documents:

- i. Tax Invoice indicating inter alia description and specification of goods, quantity, unit price, total value etc.
- ii. Delivery Challan
- iii. E-way bill
- iv. Consignee receipt for receipt of goods in good condition
- v. Certificate of pre-dispatch Inspection by RailTel's representative/nominee
- vii. Warranty/ guarantee certificate of OEM

- viii Copy of Performance Bank Guarantee submitted
 - ix. transit Insurance Certificate
 - x. OEM certificate for the ordered quantity/ material supplied as per specification.
 - xi. Packing list
 - xii. Railway/Transporters Receipt/Consignment Note
- a) 100% value on full supply of material on receipt by the consignee at site duly inspected and accompanied with above mentioned documents.
- b) 80% of the value of the part supply of material on receipt by the consignee at site duly inspected and accompanied with above mentioned documents.
- c) Balance 20% value of the part supply after complete supply of material.
- 13.2 **Bill Passing & Bill Paying Authority:** Bill passing Authority is Sr. DGM/O&M/Eastern Region and bill paying Authority is Finance Head of Eastern Region. Bills to be submitted through RailTel's Bill Tracking System.
- 13.3 Any changes in the statutory taxes & duties during the contract period shall be on RailTel account with in the original DOC. Beyond DOC, changes in statutory taxes & duties shall be on RailTel's account only when the delay is an account of RailTel.
- 14 The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to be disqualified and all their statement/documents submitted along with bid are true and factual. **Standard format of the affidavit to be submitted by the bidder is enclosed as Annexure-III. Non submission of a notarised affidavit by the bidder shall result in summarily rejection of his/their bid.** And it shall be mandatorily incumbent upon the tenderer to identify state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted document of tenderer as far as his qualification for the tender is concerned.
- The RailTel (RCIL) reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the RailTel (RCIL), make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification by the RailTel (RCIL) shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the RailTel thereunder.
- In case of any wrong information submitted by tenderer, the contract shall be terminated. Performance Guarantee (PG) of contract forfeited and agency barred for doing business on RailTel (RCIL).
15. **Online submission:**
- The bidder is required to upload and submit the following documents on line before due date & time of bid. The due date & time for closing of the bid as per GeM Bid and the bid will be opened as per GeM Bid.
- (i) EMD/Documents in support of exemption from submission of EMD along with Bid Security Declaration.
 - (ii) Clause wise compliance along with all mentioned documents/annexures for all clauses of GeM Bid and ATC (Information to bidder) documents.

- (iii) Data Sheet of offered item/equipment.
- (iv) Financial (Certified copies of audited balance sheets/annual reports of last three preceding financial years) and Technical Eligibility Criteria documents.
- (v) Technical Compliance of all Specification of items as per ATC documents.
- (vi) Proof of document required against Eligibility criteria of OEM and Bidder vide para -10 & 22.
- (vii) MAF/OEM Authorization as per **Annexure-II**.
- (viii) Notarized affidavit on a non-judicial stamp paper as per **Annexure-III**.
- (ix) **Power of Attorney**: Power of attorney **duly notarized** in favor of the signatory duly authorizing the signatory shall be submitted online before the due date and time of submission of the e-Tender. **Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender.**
- (x) NIL deviation declarations as per **Annexure- VII**.
- (xi) Self-Certification under preference to “MAKE IN INDIA” Policy as **Annexure-VIII**.
- (xii) A certificate on their letter heads as per clause 20 of ITB (**Annexure-IX**) shall be submitted by the bidder.
- (xiii) The bidder should not have been blacklisted by Central Govt./State Govt./CPSU/any reputed Telecom service provider in India for the supply of material / security reasons. An undertaking by the Bidder on Company's letter head to be submitted.

16 **Offline submission**

The bidder is required to submit the following documents offline to within 07 days of opening of tender in a Sealed Envelope. The envelope shall bear the tender name and the tender number:

AGM/Tender,
RailTel Corporation of India Ltd., 19th Floor,
Aurora Waterfront Building, Plot No. 34/1,
Block GN, Sector-V, Salt Lake City, Bidhannagar,
Kolkata-700091

- a. Notarized Power of attorney in favor of the signatory duly authorizing the signatory.
- b. Notarized Affidavit as per Annexure-III on stamp paper of Rs.100/- regarding authenticity of the documents submitted/Information provided in the bid, non-submission of an affidavit by the bidder may result in rejection of his/their bid.
- c. Bid Security Declaration (in case of MSE/Startup).

NOTE: The Bidder has to upload the Scanned copy of all above original documents as Bid-Annexures during Online Bid-Submission.

17 **Public Procurement Policy (Preference to Make in India):**

The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, Govt shall apply to this tender to the extent feasible. Minimum Local Content for SOR items shall be 50% for purchase preference as per the Notification No. 18-10/2017-IP dated 29th August 2018 issued by Department of Telecommunications, Ministry of Communications or as per the latest notification. Bidder shall be required to give a self-certification in his bid that the item offered meets the local content and shall

give details of the location(s) at which the local value addition is made. Bidder should submit Self Certification under preference to "MAKE IN INDIA" Policy as **Annexure-VIII**.

In case of any false declaration, action shall be taken in line with the provisions of the PPP- MIII order.

In cases of procurement for a value excess of Rs. 10 crores, the 'Class-I local supplier/ Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

18 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.

19 Insurance

The Contractor shall take out and keep in force a policy or policies of insurance from the date, the delivery of material starts (including the transit portion) against all liabilities of the contractor or the Purchaser. The contractor shall take out and keep in-force a Policy or policies of Insurance for all materials covered in schedule of requirement irrespective of whether used up in the portion of work already done or kept for the use in the balance portion of the work until such material are provisionally handed over to RailTel. The contractor should ensure the stores brought to site, against risks as required under the Emergency Risk (Goods) Insurance Act in force from time to time up to contract value.

It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favor of RailTel. The contractor shall keep the policy/policies current till the item/equipment are handed over to the purchaser.

20 Power of Attorney:

Power of Attorney: Power of attorney **duly notarized** in favor of the signatory duly authorizing the signatory shall be submitted online before the due date and time of submission of the e-Tender. **Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender.** Original copy is needed to be submitted by the successful bidder as per the clause-16 above.

21 Restrictions under Rule 144(xi) of GFR, 2017:

Any bidder from a country which shares a land border with India will be eligible to bid in this procurement, if the bidder is registered with the competent authority only, as per Gol guidelines. Office Memorandum F.No.6/18/2019-PPD dated 23.07.2020 by Ministry of Finance, Department of Expenditure, Public Procurement Division shall also apply to this tender. **A certificate on their letterheads as per Annexure-IX shall be submitted by all the bidders regarding their compliance with this order**

If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order.

22 Taxes & Duties:

1. The price quoted in the offer should be firm, fixed indicating the breakup and inclusive of all taxes & duties like import, custom, Anti-Dumping, CGST, SGST, IGST, UTGST etc. The offer should be inclusive of packing, forwarding, freight up to destination, insurance charges.
2. Bidder shall issue valid tax invoice to RailTel for availing proper credit of CGST/SGST/IGST/UTGST in case of award of Contract. GST will not be reimbursed in the absence of valid tax invoice.
3. For all the taxable supplies made by the vendor, the vendor shall furnish all the details of such taxable supplies in the relevant returns to be filed under GST Act.
4. If the vendor fails to comply with any of the above, the vendor shall pay to purchaser any expense, interest, penalty as applicable under the GST Act.
5. In case of incorrect reporting of the supply made by the vendor in the relevant return, leading to disallowance of input credit to purchaser, the vendor shall be liable to pay applicable interest under the GST Act to the credit of purchaser. The same provisions shall be applicable in case of debit/credit notes.
6. Tenderer shall quote all-inclusive rates, but there shall be break up of basic price and all type of applicable taxes such as SGST/CGST/IGST/UT GST along with respective HSN/SAC Code under GST Law (Including tax under reverse charges payable by the recipient).
7. Wherever the law makes it statutory for the Purchaser to deduct any amount towards GST at sources, the same will be deducted and remitted to the concerned authority.
8. The imposition of any new tax and/or increase/ in the aforesaid taxes, duties levies, after the last stipulated date for the receipt of tender including extensions if any and the bidder there upon necessarily and properly pays such taxes/levies/cess, the bidder shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of RailTel attributable to delay in execution of work within the control of bidder. The bidder shall, within a period of 30 days of the imposition of any such tax or levy or cess, give a written notice thereof to RailTel that the same is given pursuant to this condition, together with all necessary information including details of input credit relating thereto. In the event of non-payment/default in payment of any of the above taxes, RailTel reserves the right to with-hold the dues/payments of bidder and make payment to state/Central Government authorities as may be applicable. However, if the rates are reduced after the last stipulated date for receipt of tender, bidder has to pass on the benefits to RailTel.

23. Other Particulars to be enclosed along with tender:

Following details should also be enclosed along with the tender: -

- 23.1 Bidder (other than OEM) has to provide the MAF from OEM of Material as per SOR.
- 23.2 The material as detailed in SORs offered by the bidder should have been satisfactorily working in any Govt. Organization, PSU or any TELCO or Public listed company as define under Note of clause 10.1 above for at least 12 months as on date of opening of tender in India or abroad. The certificates from actual user/s have to be submitted for this purpose along with the bid. Scanned copies of documents to be uploaded on Portal <https://gem.gov.in>.
- 23.3 Performance statement of last three years for supply of same or similar items to Railways, BSNL, MTNL, Government PSU's & Telecom Service Providers. This Performance Statement is to be submitted in following format: -

Year	PO No & Date with description of item	Name of the purchaser	Qty. ordered	Date of delivery in the Purchase Order	Qty. Supplied within scheduled date of delivery	Qty. Supplied during 1st extension	Qty. Supplied during 2nd extension	Qty. Supplied during 3rd extension
1	2	3	4	5	6	7	8	9

They may be deprived of any order against this tender if the information furnished is found to be incorrect later on. Correct status/supply position of pending orders, if any, should be invariably indicated. Supporting documents are to be enclosed. Photocopies of the supply/purchase orders along with the Inspection Certificates and Receipt Notes should be enclosed for ready reference, along with tender to substantiate their past performance.

Complete Tender document (ATC) duly signed & stamped on each page in token of acceptance should be submitted online.

Note: The bidder is required to give acceptance of all the clauses of **GeM bid, ATC** and RailTel's Bid Specific **ATC** document. Any deviation / non-acceptance may lead to rejection of the bid.

- 23.3.1 Information to Bidder viz. corrigendum /addendum/ amendments etc. for this bid shall be posted on www.railtelindia.com and GeM only.
- 23.3.2 This bid is governed by the Specific Additional Terms & Conditions and General Terms & Conditions laid down by the GeM against **GeM Bid No. GEM/2025/B/6860972, Dt. 07.11.2025**
- 23.3.3 After opening of the bid no correspondence/submission of document made at the initiative of the bidder will be entertained. However, the purchaser can, if required, ask for clarifications in writing which need to be submitted before a target date. The clarifications submitted as required by the purchaser before the target date will be considered.

23.3.4 In case, if any contradiction between GeM Bid, Additional Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions and General Terms & Conditions, RailTel's Bid Specific Additional Terms & Conditions will prevail.

24. The guidelines and directives issued by Department of Telecommunication, Govt. of India regarding procurement of Telecommunication equipment from trusted sources shall be applicable to this tender. The offered equipment shall be "trusted Products".

Note: This condition is applicable for supply of Layer-2 Access Switch only.

25. Repair and Return Services applicable for Warranty Period (Clause No. 12)

25.1 Repair

25.1.1 Contractor's Responsibility: -

The Contractor will take-over the defective material from station/site and hand-over the new/ repaired at the same location.

The following activities will be performed by the contractor:

- I. The received defective material will be got replaced by the contractor within 30 days from the date of receiving and will be handed over to RailTel authorized representative at station/site. The contractor will also give probable reason for failure of material.
- II. All transportation, freight and insurance charges will be borne by the contractor.

25.1.2 RailTel Responsibility

RailTel will hand over the equipment to the contractor's authorized representative at the station/site along with the following relevant information & documentation.

- i. All relevant documentation including failure description, diagnostic tests results.
- ii. Adequate packing material to protect against reasonable risk of damages.
- iii. Not used

25.2 If the contractor fails to return the material within 30 days, the following penalties will be imposed:

Item	Duration of repair/ replacement	Deduction/Penalties
Supply of Patch cord/ Attenuator/ Adaptor/ SFP/ Switch and Supply & Installation of 10 KVA Online UPS/ SMF VRLA Battery	More than 30 days and up to 40 days (from the date of receipt)	10% of the cost of affected item
	More than 40 days and up to 50 days (from the date of receipt)	25% of the cost of affected item
	More than 50 days and up to 60 days (from the date of receipt)	75% of the cost of affected item
	More than 60 days (from the date of receipt)	Full cost of defective item

26. Marking of Material Supplied:

The tenderer may indicate the RailTel, Manufacture's Name, Month and Year of manufacturing, Serial numbers by casting/stamping/etching/embossing, at an appropriate place of each piece supplied, without affecting the functional utility and structural stability of the components/material.

Annexure - I

Part-1: Schedule of Requirements

SOR-1: Patch cord, Attenuator, Adaptor and SFP (57 Items):

Sl. No.	Item Description	Unit	Quantity
1	Single mode SC/PC - LC/PC patch Chord - 01 mtr. Length	Nos.	100
2	Single mode SC/PC - LC/PC patch Chord - 03 mtr. Length	Nos.	100
3	Single mode SC/PC - LC/PC patch Chord - 05 mtr. Length	Nos.	100
4	Single mode SC/PC - LC/PC patch Chord - 10 mtr. Length	Nos.	100
5	Single mode SC/PC - LC/PC patch Chord - 15 mtr. Length	Nos.	150
6	Single mode SC/PC - LC/PC patch Chord – 20 mtr. Length	Nos.	150
7	Single mode LC/PC - LC/PC patch Chord - 01 mtr. Length	Nos.	150
8	Single mode LC/PC - LC/PC patch Chord - 02 mtr. Length	Nos.	100
9	Single mode LC/PC - LC/PC patch Chord - 03 mtr. Length	Nos.	100
10	Single mode LC/PC - LC/PC patch Chord - 05 mtr. Length	Nos.	100
11	Single mode LC/PC - LC/PC patch Chord - 10 mtr. Length	Nos.	150
12	Single mode LC/PC - LC/PC patch Chord - 15 mtr. Length	Nos.	250
13	Single mode LC/PC - LC/PC patch Chord - 20 mtr. Length	Nos.	250
14	Single mode LC/PC-FC/PC patch Chord 01 mtr. Length	Nos.	100
15	Single mode LC/PC-FC/PC patch Chord 03 mtr. Length	Nos.	100
16	Single mode LC/PC-FC/PC patch Chord 05 mtr. Length	Nos.	100
17	Single mode LC/PC-FC/PC patch Chord 10 mtr. Length	Nos.	200
18	Single mode LC/PC-FC/PC patch Chord 15 mtr. Length	Nos.	176
19	Single mode LC/PC-FC/PC patch Chord 20 mtr. Length	Nos.	250
20	Single mode SC/PC - FC/PC patch Chord 01 mtr. Length	Nos.	50
21	Single mode SC/PC - FC/PC patch Chord 03 mtr. Length	Nos.	150
22	Single mode SC/PC - FC/PC patch Chord 05 mtr. Length	Nos.	150

23	Single mode SC/PC - FC/PC patch Chord - 10 mtr. Length	Nos.	220
24	Single mode SC/PC - FC/PC patch Chord - 15 mtr. Length	Nos.	100
25	Single mode SC/PC - FC/PC patch Chord - 20 mtr. Length	Nos.	100
26	Single mode FC/PC - FC/PC-patch Chord 01 mtr. Length	Nos.	50
27	Single mode FC/PC - FC/PC-patch Chord 03 mtr. Length	Nos.	100
28	Single mode FC/PC - FC/PC-patch Chord 05 mtr. Length	Nos.	110
29	Single mode FC/PC - FC/PC-patch Chord 10 mtr. Length	Nos.	176
30	Single mode FC/PC - FC/PC-patch Chord 20 mtr. Length	Nos.	200
31	Single mode SC/PC - SC/PC patch Chord - 01 mtr. Length	Nos.	100
32	Single mode SC/PC - SC/PC patch Chord - 03 mtr. Length	Nos.	150
33	Single mode SC/PC - SC/PC patch Chord - 05 mtr. Length	Nos.	150
34	Single mode SC/PC - SC/PC patch Chord - 10 mtr. Length	Nos.	150
35	Single mode SC/PC - SC/PC patch Chord - 15 mtr. Length	Nos.	110
36	Single mode SC/PC - SC/PC patch Chord - 20 mtr. Length	Nos.	100
37	LCPC Plugin Attenuator - 1dB	Nos.	100
38	LCPC Plugin Attenuator - 3dB	Nos.	200
39	LCPC Plugin Attenuator - 5dB	Nos.	100
40	LCPC Plugin Attenuator - 6dB	Nos.	100
41	LCPC Plugin Attenuator - 8dB	Nos.	100
42	LCPC Plugin Attenuator - 9dB	Nos.	100
43	LCPC Plugin Attenuator - 10dB	Nos.	200
44	LCPC Plugin Attenuator - 13dB	Nos.	100
45	LC - LC Adaptor	Nos.	100
46	FC/PC Attenuator - 3dB	Nos.	110
47	FC/PC Attenuator - 5dB	Nos.	100
48	FC/PC Attenuator - 10dB	Nos.	100
49	FC/PC Adaptor	Nos.	100

50	SC/PC Attenuator - 3dB	Nos.	100
51	SC/PC Attenuator - 5dB	Nos.	100
52	SC/PC Attenuator - 10dB	Nos.	100
53	SC/PC – SCPC Adaptor	Nos.	100
54	1G UD SFP 20KM	Nos.	100
55	1G BiDi SFP 20KM	Pair	100
56	10G UD SFP 20KM	Nos.	50
57	10G BiDi SFP 20KM	Pair	50

SOR-2: Layer-2 Access Switch (1 Item):

Sl. No.	Item Description	Unit	Quantity
1	Layer-2 Access Switch as per technical specification	Nos.	40

SOR-3: Layer-2 Switch and accessories (5 Items):

Sl. No.	Item Description	Unit	Quantity
1	Layer-2 Access Switch as per technical specification	Nos.	90
2	SFP+ BIDI (40Km) -10G as per technical specification	Pairs	100
3	SFP+ BIDI (80Km) -10G as per technical specification	Pairs	1
4	Single mode Patch cord LCPC-LCPC 10 mtr. length	Nos.	96
5	LCPC Plugin Attenuator	Nos.	27

Notes

Switch and SFP should be compatible to each other.
OEM should have their own repair/replacement/RMA & support centre in India
The OEM/Product should be RoHS or equivalent certified.
The OEM/Product should be CE or equivalent certified.
The guidelines and directives issued by Department of Telecommunication, Govt. of India regarding procurement of Telecommunication equipment from trusted sources shall be applicable to this tender. The offered Switch shall be "Trusted Products".

SOR-4: Supply & Installation of 10 KVA Online UPS and SMF VRLA Battery (2 Items):

Sl. No.	Item Description	Unit	Quantity
1	Supply and installations of 10 KVA Online UPS	Nos.	35
2	Supply and installations of 12V-120 AH SMF shield Maintenance free VRLA battery	Nos.	59

Part-2: Technical Specifications

Technical Specifications for SOR-1: Patch Cord, Attenuator, SFP, Adaptor

Item No. 1 to 6 Single mode SC/PC - LC/PC patch Cord - 01 mtr. /03 mtr./ 05 mtr./ 10 mtr./ 15 mtr./ 20 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No.)
1	Connector type, Connector End A	SC/PC	
2	Connector type, Connector End B	LC/PC	
3	/PC	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	3	
6	Cord Length (in m)	20/15/10/5/3/1	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg.C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.3	
11	Connector Return loss , Min. (in dB)	50	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	500Mating cycle	

Item No. 7 to 13: Single mode LC/PC - LC/PC patch Cord - 01 mtr. /02 mtr. /03 mtr. /05 mtr. / 10 mtr. /15 mtr. 20 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	LC/PC	
2	Connector type, Connector End B	LC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	0.9 / 3	
6	Cord Length (in m)	20/15/10/5/3/2	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.2 / 0.3	
11	Connector Return loss , Min. (in dB)	50 / 55	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	200 Mating cycle	

Item No. 14 to 19: Single mode LC/PC - FC/PC patch Cord 01 mtr. /03 mtr./ 05 mtr. /10 mtr. /15 mtr. / 20 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	FC/PC	
2	Connector type, Connector End B	LC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	3	
6	Cord Length (in m)	20/15/10/5/3/1	
7	Jacket material (Sheath material)	PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg.C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.3	
11	Connector Return loss , Min. (in dB)	50	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	500 Mating cycle	

Item No. 20 to 25: Single mode SC/PC - FC/PC patch Cord - 20 mtr. / 15 mtr. /10 mtr. /05 mtr. / 03 mtr. /01 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	SC/PC	
2	Connector type, Connector End B	FC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	3/1.2	
6	Cord Length (in m)	20/15/10/5/3/1	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg.C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.3	
11	Connector Return loss , Min. (in dB)	50	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	200 Mating cycle	

Item No. 26 to 30: Single mode FC/PC - FC/PC patch Cord - 20 mtr. / 10 mtr. /05 mtr. / 03 mtr. /01 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	FC/PC	
2	Connector type, Connector End B	FC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	0.9 / 3	
6	Cord Length (in m)	20/10/5/3/1	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.2 / 0.3	
11	Connector Return loss , Min. (in dB)	50 / 55	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	200 Mating cycle	

Item No. 31 to 36: Single mode SC/PC - SC/PC patch Cord - 20 mtr. / 15 mtr. /10 mtr. /05 mtr. / 03 mtr. /01 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	SC/PC	
2	Connector type, Connector End B	SC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	0.9/1.2/1.6/2/3	
6	Cord Length (in m)	20/15/10/5/3/1	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg.C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.3	
11	Connector Return loss , Min. (in dB)	50 / 55	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	200 Mating cycle	

Item No. 37 to 44 : LCPC Plug in Fixed Attenuator : 1dB/ 3dB/ 5dB/ 6dB/ 8dB/ 9dB/ 10dB/ 13dB:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector First End	LC, Male	
2	Connector Second End	LC, Female	
3	Attenuation	1dB/ 3dB/ 5dB/ 6dB/ 8dB/ 9dB/ 10dB/ 13dB	
4	Cable Mode	Simplex	
5	Media	SMF	
6	Standard	OS1	
7	Compatible OEM	Industry standard	

Item No. 45: LC-LC Adaptor:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Operating Temperature	-40°C to +85°C -40°C	
2	Connection Durability	500 Mating	
3	Insertion Loss	< 0.3 dB	

Item No. 46 to 48: FC/PC-FC/PC Fixed Attenuator: 3 dB. / 5dB. / 10 dB.

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Fiber Connector	FC/PC	
2	Fiber type	Single mode	
3	Operating Wavelength Range	1240 - 1620 nm	
4	Key Size	Universal (Female 2.2 mm Wide-Key Input, Male 2.0 mm Narrow-Key Output)	
5	Attenuation (in dB)	10dB / 5dB /3dB	
6	Transmission	10.0 ± 1.8% / 31.6 ± 3.9% / 50.1 ± 6.1%	
7	Return Loss	≥40 dB	
8	Maximum Input Power	1 W	
9	Polarization Dependent Loss (PDL)	≤0.1 dB	
10	Operating Temperature	-40 to 85 °C	

Item No. 49 : FC/PC Adaptor:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connectors	FC (female) to FC (female)	
2	Body material	Metal	
3	Mounting	Free standing or bulkhead 8.5mm hole (.34in)	
4	Alignment sleeve material	Zirconia Ceramic	
5	Channels	Simplex	
6	Precision	Single mode	
7	Colour	Metal	
8	Insertion Loss (IL)-	<0.2dB	
9	Durability	- <0.1dB change after 500 mating	
10	Operating Temperature	-4 ° C to +75 ° C (+25 ° F to +165 ° F)	

Item No. 50 to 52: SC/PC Fixed Attenuator: 3 dB,/ 5 dB,/ 10 dB:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Mode type	Single Mode	
2	Operation Wave length	1310nm or 1550 nm.	
3	Connector on First End	1 x SC/PC Male	
5	Connector on Second End	1 x SC/PC Female	
6	Attenuation	10dB, 5dB, 3dB	
8	Return Loss	:≥50 dB	
9	Operating Temperature	-40°C to +85°C -40°C	

Item No. 53: SC/PC-SC/PC Type adaptor:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Configuration	Simplex	
2	FO Connector	SC/PC	
4	Fiber Mode	Single Mode (SM)	
5	Attenuation Tolerance	±0.5dB	
6	Return Loss	:≥55dB	
7	Sleeve material	Zirconia-Ceramic / Phosphor-Bronze	
8	Warranty	1 Year	

Item No. 54: 1G UD SFP 20 KM:

Srl. No.	Technical specification	Compliance (yes/ No)
1	Should be Multi-vendor MSA compatible with OEM equipment of Cisco, Juniper, D Link, Nokia, Ciena etc.	
2	Should support 10 - 20 km. optical distance on dual fiber	
3	Should have LC type connector	
4	Should have 1 Gigabit Ethernet capacity on single mode fiber	
5	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature" 0 ~ 70 degC Laser bias current Transmitted optical power: 0 ~ -5dBm Received optical power: -13dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags	
6	OEM should be having valid ISO 9000 Certificate	
7	Should have CE and FCC and UL regulatory Certificate	
8	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)	
9	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)	
10	Complies with 1310nm DFB laser transmitter & CPRI Option 7, 8	
11	Warranty : 3 Years.	

Item No. 55: 1G BiDi SFP 20 KM:

Srl. No.	Technical Specification	Compliance (Complied/ Not complied)
1	Multi-Vendor MSA Compatible with OEM Equipment of CISCO, Juniper, D-Link, Nokia, Ciena etc.	
2	Should support 10 – 20 km optical distance on single fiber	
3	Should have LC type connector	
4	Should quote rate in pair (BX U & D)	
5	Should have 01 Gigabit Ethernet capacity on single mode fiber.	
6	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature" 0 ~ 70 degC Laser bias current Transmitted optical power: 0 ~ -5dBm	

	Received optical power: -17 dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags	
7	OEM should be having valid ISO 9000 Certificate	
8	Should have CE and FCC and UL or equivalent regulatory Certificate	
9	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)	
10	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)	
11	Complies with 1310nm/1550nm DFB laser transmitter & CPRI Option 7, 8	
12	Should support 1G to 1.25Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472	
13	Warranty : 3 Years.	

Item No. 56: 10G UD SFP 20 KM:

Srl. No.	Technical specification	Compliance (Yes/No)
1	Should be Multi-vendor MSA compatible with OEM equipment of Cisco, Juniper, D Link, Nokia, Ciena etc.	
2	Should support 10 - 20 km. optical distance on dual fiber	
3	Should have LC type connector	
4	Should have 10 Gigabit Ethernet capacity on single mode fiber	
5	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature" 0 ~ 70 degC Laser bias current Transmitted optical power: 0 ~ -5dBm Received optical power: -13dBm Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags	
6	OEM should be having valid ISO 9000 Certificate	
7	Should have CE and FCC and UL or equivalent regulatory	

	Certificate	
8	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)	
9	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)	
10	Complies with 1310nm DFB laser transmitter & CPRI Option 7, 8	
11	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472	
12	Warranty : 3 Years	

Item No. 57: 10G BiDi SFP 20 KM:

Srl. No.	Technical Specification	Compliance (Complied/ Not complied)
1	SFP module should comply with multi-source agreement (MSA), enabling compatibility with equipment of CISCO, Juniper, D-Link, Nokia, Ciena etc.	
2	Should support 10 - 20km. optical distance on single fiber	
3	Should have LC type connector	
4	Transmitted Optical Power range : 0 dBm. ~- 4.00 dBm. Received Optical Power range : -16 dBm.	
5	Should quote rate in pair (BX U & D)	
6	Should have 10 Gigabit Ethernet capacity on single mode fiber.	
7	Should support Digital Diagnostic Monitoring feature with following operating parameters: Transceiver temperature" 0 ~ 70 degC Laser bias current Transceiver supply voltage: 3.3V It also provides a sophisticated system of alarm and warning flags	
8	OEM should be having valid ISO 9000 Certificate	
9	Should have CE and FCC and UL or equivalent regulatory compliances	
10	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)	
11	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)	

12	Complies with 1270nm & 1330nm DFB laser transmitter & CPRI Option 7, 8	
13	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472	
14	Warranty : 3 Years.	

Technical Specifications for SOR-2: Layer 2 Access Switch

Technical Specification		Complied (Yes/No)
Capacity	Should have minimum 4 copper ports (1G Eth) with 16 x SFP based ports.	
	Should have minimum 4 Nos. SFP+ based 10 GE ports.	
	Should have at least 128 Gbps full duplex line rate traffic.	
Management Post	01 Nos. Console Post	
Flow Control	Should have support for 802.3x flow control.	
Packet forwarding rate	95 MPPS	
Flash (MB)	32 or Higher	
DRAM (MB)	256	
Jumbo frame	9K or Higher	
Should support Auto	MDI-II/MDI-X uplink for all the twisted pair ports.	
Forwarding mode	Store and forward	
ARP	ARP table aging	
IPV6	IPv6 feature should be ready from day 1.	
Static Routing	IPv4/IPv6 Static routing	
IPV6	IPv6 Management	
	ICMPv6	
	IPv6 Telnet	
	IPv6 neighbor discovery	
LLDP	Switch should support LLDP or similar functionality.	
L2 Circuit	Should support 802.1D spanning tree control/RSTP support and MSTP support.	
Fan Module	2	
Noise@25°C(dBA)	<50db	
MTBF(H)	1,00,000 hours or higher	
VLAN	Should support 802.1Q VLAN, 802.1p Priority queues. Should support Port-based VLAN, 802.1Q Tagged VLAN along with Management VLAN	
Trunk	Should support port Trunking of at least 2 Nos. GE/10GE ports.	
Multicast	IGMP V1,V2,V3	
	IGMP snooping	
	IGMP Fast Leave	
	IGMP Snooping Queried	
ACL	IP Standard ACL	
	MAC extend ACL	
	IP extend ACL	
QOS	QoS Class, Remarking	

	Support SP, WRR queue scheduling	
	Ingress Port-based Rate-limit	
	Egress Port-based Rate-limit	
	Policy-based QoS	
Security	CoS based on, Switch port , 802.1p priority , VLAN ID and MAC address	
	Dot1x, port authentication MAC authentication, RADIUS, Tacacs+	
	Port-security	
	IP source guard IP/Port/MAC binding	
	Arp-check and ARP packet filtering for illegal users	
DHCP	Port isolation	
	DHCP Client	
	DHCP Server	
MAC Table	DHCP Snooping	
	Should support port mirroring, jumbo frame & should have at least 16K MAC address	
L2 Ring Protection	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.	
Sub Ring	ERPS protocol as per ITU G.8032 , OAM, 802.3ah, dying Gasp	
Power supply	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.	
QOS	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.	
Management	Should support console port and telnet-based management.	
Power supply	Should have AC power supply arrangement as given below in chassis without any external adaptors with redundant power supply (RPS):	
	(i) AC power supply 100 to 240 V AC with 50 to 60 Hz	
	(ii) -48 V DC Supply	
	DC power supply should work as a redundant power supply to power on the switch in case failure of AC power supply.	
Temperature	Minimum Operating Temperature 0 to 50 degree.	

Safety Certificate	It should have safety certificates as per UL/IEC/EN 60950. The switch should have EMC certification as per EN/CE/FCC standards.	
Size	Switch shall be with Rack Mountable clamps for standard 19-inch rack mountable.	
Operation	The Switch shall be designed for continuous operations.	
Security	Should support following security features viz.:	
	i) SSL (HTTPS)/SSH,	
	ii) Broadcast/Multicast/Unicast Storm Control,	
	iii) DoS Attack Prevention/ DAI	
SNMP	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	
Certificate	iv) LLDP table changes	
	The OEM must be ISO 14001, 27001, 45001 certified and must have a average turnover of minimum 500 Cr during last 3 years to ensure stability and having strong Product, Support and Service. All documentations to be attached with bid	
TTP	Product Should be Approved from TEC under Mandatory Testing and Certification of Telecom Equipment as notified vide Indian Telegraph (Amendment) Rules, 2017 and must be on Trusted Telecom Portal (TTP)	

Technical Specifications for SOR-3: Layer 2 Access Switch & Accessories:

Item No. 1: Layer-2 Access Switch:

1. Size

- 1.1 Switch shall be with Rack Mountable clamps for standard 19-inch rack mountable.
- 1.2 1U height.

2. Interfaces

- 2.1 The switch should have minimum of ports: 4x10G SFP+, 20x1G SFP & 2x1G RJ45 Ports.

3. Console

- 3.1 The switch should support RJ-45/USB console port and industry standard CLI.

4. Management Port

- 4.1 The switch should support RJ-45 management port.

5. Port Standards & Functions

- 5.1 RJ45 Speed: (IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T) copper interfaces
- 5.2 It shall support for Automatic Negotiation of link speed and duplex to help minimize the configuration & errors.
- 5.3 1G fiber interface SFP ports support:
 - 5.3.1 IEEE 802.3z (1000BASE-SX/LX/LHX/ZX) transceivers.
- 5.4 1G/10G fiber interface SFP+ ports support:
 - 5.4.1 IEEE 802.3ae changeable (10GBASE-SR/LR/ZR/ER).
 - 5.4.2 IEEE 802.3z (1000BASE-SX/LX/LHX/ZX) transceivers.
- 5.5 IEEE 802.3x Flow Control for full-duplex mode, auto-negotiation.
- 5.6 Auto or configurable MDI/MDIX.

6. Performance

- 6.1 Switching Capacity: Should have at least 128 Gbps full duplex line rate traffic.
- 6.2 Packet Forwarding Method: Store and forward.
- 6.3 Packet Forwarding Rate: 95 Mbps or Higher
- 6.4 Flash Memory : 256 MB or Higher
- 6.5 DRAM: 512 MB or Higher
- 6.6 The Switch shall support minimum 16K MAC address.
- 6.7 Jumbo Frames: 9K or Higher.
- 6.8 The Switch shall support 1024 static MAC address entries.

7. L2 Features

- 7.1 DDM
 - 7.1.1 Digital Diagnostic Monitoring (DDM) on 1G SFP and 10G SFP+ port Transceiver-threshold current/rx-power/temperature/tx-power/voltage/ high-low alarm and warning
 - 7.1.2 DDM threshold of Tx and Rx should be shown in dBm.
 - 7.1.3 DDM threshold shows data as per SFP wise
 - 7.1.4 In DDM data must show: Ethernet standard, Kilometer, Wavelength, Mode, Vendor, Serial Number, Date, Version

7.2 Broadcast/Multicast/ Unknown Unicast Storm Control.

7.2.1 The LAN switch shall have per-port broadcast, multicast, and unicast storm control.

7.3 Spanning Tree Protocol:

7.3.1 IEEE 802.1D Spanning Tree Protocol (STP)

7.3.2 IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

7.3.3 IEEE 802.1s Multiple Spanning Tree Protocol (MSTP), 16 instances

7.3.4 It shall support BPDU filtering feature, to shut down Spanning Tree Protocol Port Fast enabled interfaces when BPDUs are received to avoid accidental topology loops.

7.3.5 It shall support Spanning-Tree Root Guard (STRG) to prevent edge devices not in the network administrator's control from becoming Spanning Tree Protocol root nodes OR alternate solution.

7.3.6 Loopback Detection (LBD) or any other industry equivalent protocol.

7.4 Non-Spanning Tree Loopback detection.

7.5 ITU-T G.8032 Ethernet Ring Protection Switching:

7.5.1 It should support Ethernet Ring Protection Switching for main ring and sub rings: G.8032 ERPS Ring Protection Switching provides loop avoidance with redundancy in Layer-2 Ethernet networks using concept of RPL (Ring Protection Link). The switch completion time (transfer time) for a failure on a ring link shall be less than 50ms.

7.5.2 Should support Multiple instance.

7.5.3 RSTP & ERPS should run simultaneously in the switch.

7.6 Link Aggregation:

7.6.1 It shall support Link Aggregation Protocol (LACP) as per IEEE 802.3 ad and minimum 8 groups per device/8 ports per group.

7.6.2 Compliant with 802.1AX and 802.3ad

7.7 Port Mirroring:

7.7.1 It should supports one-to-one, many-to-one.

7.8 L2PT

7.8.1 It should support L2 Protocol Tunneling for STP and LACP.

8. L2 Multicasting

8.1 IGMP Snooping:

8.1.1 IGMP v1/v2 /v31

8.1.2 Supports 1024 groups

8.1.3 Port/Host-based IGMP Snooping Fast Leave

8.1.4 Report suppression

8.1.5 IGMP authentication

8.1.6 Limited IP Multicast (IGMP filtering)

8.2 MLD Snooping:

8.2.1 MLD v1, MLD v21

8.2.2 Supports 1024 groups

8.2.3 Port/Host-based MLD Snooping Fast Leave

9. VLAN

9.1 VLANs

9.1.1 Should Supports 4K VLAN.

9.1.2 Port-based VLAN

9.1.3 MAC-based VLAN

9.1.4 GVRP (255 dynamic VLANs)

- 9.1.5 IEEE 802.1v Protocol-based VLAN
- 9.1.6 802.1Q tagged VLAN
- 9.1.7 Hybrid Mode. Tagged VLAN along with Native VLAN.
- 9.2 Q-in-Q
- 9.2.1 Port-based Q-in-Q
- 9.2.2 VLAN translation

10. L3 Features

- 10.1 ARP
 - 10.1.1 ARP table aging
 - 10.1.2 Supports static ARP entries.
- 10.2 It should support minimum 16 IP interface
- 10.3 Default route
- 10.4 Static Routes
 - 10.4.1 IPv4 & IPv6 static routes
- 10.5 IPv6 Neighbor Discovery (ND)

11. Quality of Service (QoS)

- 11.1 There shall be 8 hardware-based queues per port for flexible QoS management.
- 11.2 The switch should support CoS based on Switch port, 802.1p priority queues, VLAN ID, MAC addresses, IPv4/IPv6 addresses, DSCP, ToS, Protocol type, TCP/UDP ports, IPv6 traffic class.
- 11.3 It shall have supports L2/L3/L4 QoS/CoS solutions help ensure that critical network services such as VoIP, ERP, Intranet, and video conferencing are served with proper priority.
- 11.4 Bandwidth control:
 - 11.4.1 Port-based (ingress, min. granularity 64 Kbps)
 - 11.4.2 Flow-based (ingress, min. granularity 64 Kbps)
 - 11.4.3 Egress queue bandwidth control (min. granularity 64 Kbps)
- 11.5 Queue Handling:
 - 11.5.1 Support Strict Priority Queue (SPQ), Weighted Round Robin (WRR) queue scheduling
 - 11.5.2 SPQ + WRR

12. Access Control List (ACL)

- 12.1 IP Standard ACL
- 12.2 MAC extend ACL
- 12.3 IP extend ACL

13. Authentication, Authorization, and Accounting (AAA)

- 13.1 Should support Radius authentication, accounting.
- 13.2 TACACS + authentication, accounting, authorization
- 13.3 Should support minimum three-level user account. (read-only, Operation, read & write)
- 13.4 Radius should work on CLI, GUI, Console

14. Security

- 14.1 SSH (v1.0/1.5/v2.0) for security Telnet

14.2 SSL for HTTPS

14.3 Port Security

14.4 Broadcast/multicast/unicast storm control.

14.4.1 After broadcast packet threshold cross port should block for 60 sec

14.4.2 Auto resume, manual unblock.

14.4.3 It shall support unknown unicast and multicast port blocking to allow tight control by filtering packets that the switch has not already learned how to forward.

14.4.4 It shall support unicast MAC filtering to prevent the forwarding of any type of packet with a matching MAC address.

14.5 IP-MAC-Port Binding (IMPB)

14.5.1 ARP inspection

14.5.2 IP inspection

14.5.3 DHCP snooping

14.5.4 DHCPv6 snooping

14.6 DHCP server screening

14.7 DHCP client filtering

14.8 ARP spoofing prevention

14.9 BPDU attack protection

14.10 DoS attack prevention

14.11 Port isolation

15. IPv6

15.1 Manual configuration

15.2 Remote IPv6 ping

15.3 IPv6 Telnet support

15.4 HTTP over IPv6

15.5 SNMP over IPv6

15.6 IPv6 Syslog support

15.7 IPv6 TFTP support

16. Operations, Administration, and Management (OAM)

16.1 It should support IEEE 802.1ag Ethernet OAM: Connectivity Fault Management (Support 32 MEPs).

16.2 It should support Ethernet OAM compliant with IEEE 802.3ah/Y. 1731.

16.3 It shall support Optical Transceiver Digital Diagnostic Monitoring and support 802.3ah link layer remote loopback and discovery

16.4 Dying Gasp

17. Management

17.1 Switch Management:

17.1.1 CLI via console port or Telnet.

17.1.2 Web management

17.1.3 Switch support SNMP v1, v2c, v3 with latest MIBs (Management Information Base) and their object identifiers (OIDs) for monitoring and management, including access levels and any custom MIBs for NMS configuration and its accessibility.

17.2 Firmware & Configuration:

- 17.2.1 Firmware upgrade via TFTP/HTTP/FTP server
- 17.2.2 Dual images
- 17.2.3 Configuration file upload/download via TFTP/HTTP/FTP server
- 17.2.4 Firmware auto upgrade
- 17.3 Scheduled Reboot features
- 17.4 Port last uptime
- 17.5 Syslog
- 17.6 It shall support Simple Network Time Protocol & Network Timing Protocol (SNTP & NTP) to provide an accurate and consistent time stamp to all intranet switches. IPv4/ IPv6
- 17.7 Support LLDP (802.1ab) IPv4/ IPv6
- 17.8 Command logging
- 17.9 Switch should support CPU monitoring, Memory monitoring.
- 17.10 Switch should support password recovery and password encryption.
- 17.11 Switch should support system log, traceroute, PING Size up to 9000 bytes or more.
- 17.12 Should support Optical Transceiver Digital Diagnostic Monitoring for All optical ports.
- 17.13 Switch should support following SNMP traps or syslog
 - 17.13.1 Interface UP & Down
 - 17.13.2 Optical power SFP threshold alarms
 - 17.13.3 STP Topology Changes and New root bridge
 - 17.13.4 LLDP table changes
 - 17.13.5 Command logging. Switch must show which user run which command in system log
 - 17.13.6 ERPS State Change

18. Physical/Environmental

- 18.1 MTBF: 1,00,000 hours or Higher
- 18.2 Noise@25°C(dBA) : <55db
- 18.3 Fan Module: 2
- 18.4 Should have AC power supply arrangement as given below in chassis without any external adaptors with redundant power supply (RPS):
 - 18.4.1 AC power supply 100 to 240 V AC with 50 to 60 Hz
 - 18.4.2 DC Power Input (-48~-60 V). DC power supply should work as a redundant power supply to power on the switch in case failure of AC power supply.
- 18.5 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.
- 18.6 Minimum Operating Temperature 0 to 55 degree.
- 18.7 Environmental Regulation Compliance: WEEE/RoHS

19. Certification

- 19.1 Switch should have EMC certification as per FCC Class A, CE standards
- 19.2 It should have Safety Compliance: CB & Safety Compliance: UL
- 19.3 Proposed product should be MTCTE Certified.
- 19.4 The OEM must be ISO 14001, 27001, 45001 certified to ensure stability and having strong Product, Support and Service. All documentations to be attached with bid.
- 19.5 Product Should be Approved from TEC under Mandatory Testing and Certification of Telecom Equipment as notified vide Indian Telegraph (Amendment) Rules, 2017 and OEM/Product must be on Trusted Telecom Portal (TTP). Trusted Product Certificate should be submitted.
- 19.6 OEM Warranty (Year) - 3 years minimum.

Item No. 2. SFP+ BIDI (40Km) -10G:

SN	Description	Compliance Yes/No
1	SFP modules should comply with multi-source agreement (MSA), enabling compatibility with other vendors equipment. of CISCO, Juniper, D-Link, Techroutes, Nokia, Ciena, 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 with following operating parameters:	
	Transceiver temperature : 0 ~ 70 deg C	
	Transmitted optical power: -1 ~ +4dBm	
	Transceiver supply voltage: 3.3V	
	It shall also provide a sophisticated system of alarm and warning flags	
7	OEM should be having valid ISO 9000 certificate	
8	Should have CE and FCC and UL or equivalent regulatory Certificate. 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	
9	Operating temperature of the SFP should be minimum 0 to 70°C (23 to 149 °F)	
10	Complies with SFF-8431 SFP+ MSA (Multi-Source Agreements Standards)	
11	Complies with 1270nm & 1330nm DFB laser transmitter & CPRI Option 7, 8	
12	Should support 9.83G to 11.32Gb/s Multi-Rate & 2-wire interface for management and diagnostic monitor compliant with SFF-8472	
13	For Tx/Rx wavelength in the range of 1300 nm (eg.1270nm/1330nm) power budget should be minimum 19 dBm.	

Item No. 3: SFP+ BIDI (80Km) -10G:

S No.	Technical Specification	Compliance Yes/No
1	SFP modules should comply with multi-source agreement (MSA), enabling compatibility with other vendors equipment. of CISCO, Juniper, D-Link, Techroutes, Nokia, Ciena, Zyxel, Edge Core and Extreme. etc.	
2	Should support minimum 80 km optical distance on Single Fiber (ITU-G 652D) (Bi Directional on Single Mode Fiber).	
3	Should have LC type connector.	
4	Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	
5	Should have 10 Gigabit Ethernet throughput on single mode fibre.	
6	Important Parameters:	
	A. Link Budget (Max Tx Power- Receiver Sensitivity) 27 dB or better.	
	B. Transceiver supply voltage: 3.3 V (Nominal)	
	C. The case operating temperature -0 Degree Centigrade to +70 Degree Centigrade.	
	D. The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade	
	E. Wavelength- 1270/1330 or 1310/1550 or 1490/1550 (Nominal)	
7	Should support Digital Diagnostic Monitoring (MSA-SFF 8472 Compliant) feature with following operating parameters:	
	A. Transceiver temperature	
	B. Laser bias current	
	C. Launch Optical Power	
	D. Received optical power	
	E. Transceiver supply voltage:	
8	F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.	
	Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)	
	Applications- 10 Gbps Ethernet	
	Performance Certificate: The bidder will submit a satisfactory performance certificate from Telecom Service Provider/ISP/Govt/PSU for the offered make of the SFP.	
	Regulatory Compliance	
	A. EMI/EMC compatible with FCC/EN/IEC	
11	B. Laser Safety compatible with FDA/EN/IEC	
	C. RoHS compliant	
12	SFP should support all OEM Vendors devices and open all optic ports	

Item No. 4: Single mode LC/PC - LC/PC patch Cord - 10 mtr. Length:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector type, Connector End A	LC/PC	
2	Connector type, Connector End B	LC/PC	
3	Cable type	Simplex	
4	Fiber type	Single Mode 9/125 micron	
5	Cable Size, Outer dia (in mm)	0.9 / 3	
6	Cord Length (in m)	10	
7	Jacket material (Sheath material)	LSZH / PVC	
8	Cable colour	Yellow	
9	Operating temperature	-10 deg C to +60 deg C	
10	Connector Insertion loss, Max. (in dB)	0.2 / 0.3	
11	Connector Return loss , Min. (in dB)	50 / 55	
12	Material of Ferrule	Zirconia Ceramic, Pre Radiused and pre polished	
13	Durability	200 Mating cycle	

Item No. 5: LCPC Plug in Fixed Attenuator - 5dB:

Srl. No	Parameter	Specification	Compliance (Yes/No)
1	Connector First End	LC, Male	
2	Connector Second End	LC, Female	
3	Attenuation	5dB	
4	Cable Mode	Simplex	
5	Media	SMF	
6	Standard	OS1	
7	Compatible OEM	Industry standard	

Technical Specifications for SOR-4: Supply & Installation of 10 KVA Online UPS & SMF VRLA Battery:

Item No. 1: 10 KVA Online UPS:

1. Technology: True online double conversion using IGBT-based PWM.
2. Input Voltage: 3-phase, 400V $\pm 15\%$.
3. Input Frequency: 45–55 Hz, compatible with DG sets.
4. Output Voltage: 220/230V $\pm 1\%$, single phase.
5. Output Frequency: 50 Hz $\pm 1\%$ (free running), $\pm 4\%$ (synchronous).
6. Power Factor: ≥ 0.95 (auto correction).
7. Output Waveform: Pure sine wave.
8. THD (Voltage): $< 4\%$ for non-linear loads.
9. THD (Current): $< 10\%$ at 50% load, $< 5\%$ at full load.
10. Overload Capacity:
 - a. 110% for 10 minutes
 - b. 150% for 1 minute
11. Efficiency:
 - a. 90% at full load
 - b. 88% at 66% load
 - c. 86% at 33% load
12. Battery Backup: Designed for 120 minutes at full load (minimum VAH: 33,216).
13. Charger: IGBT-based float-cum-boost charger with current limiting.
14. Protection: Overload, short circuit, over/under voltage, surge suppression, isolation transformer.
15. Interface: RS-232, SNMP compatibility, remote monitoring.
16. Environmental:
 - a. Operating Temp: 0–40°C
 - b. Humidity: Up to 95% non-condensing
 - c. Noise: < 65 dB at 1 meter
17. Inbuilt Isolation Transformer
18. STANDARDS/Certifications
 - a. ISO 9001,
 - b. ISO 14001,
 - c. ISO 45001,
 - d. CE & ROHS,
 - e. FCC,
 - f. EPR CERTIFICATION FROM CPCB.
19. Efficiency:
 - a. 90% at full load or more
 - b. Input Frequency: 46–54 Hz, compatible with DG set
 - c. THD (Voltage): $< 5\%$ for non-linear loads.

Item No. 2: 12 V 120 AH SMF VRLA Battery:

1. Battery Type: SMF VRLA (Valve Regulated Lead Acid), AGM technology.
2. Nominal Voltage: 12V
3. Rated Capacity: 120Ah @ C20 rate
4. Dimensions:
 - a. Length: ~393–452 mm
 - b. Width: ~172–173 mm
 - c. Height: ~239–240 mm
5. Weight: ~36–38 kg
6. Internal Resistance: ~5.4–6 mΩ
7. Short Circuit Current: ~2312–2619 Amps
8. Operating Temperature: -20°C to +60°C
9. Self-Discharge: <3% per month at 27°C
10. Float Voltage: ~13.5–13.7V
11. Boost Voltage: ~13.8–14.1V
12. Cycle Voltage: ~14.7V
13. Terminal Type: M8 copper/brass insert
14. Certifications: UL1989, CE, JIS C8702, IS 16220, IEC61056
15. Design Life: Up to 10 years (float service)
16. Applications: UPS, data centers, banks, hospitals, industrial control systems

Annexure-II

Format of Manufacturer Authorisation form (MAF)

(it should be submitted for all the SOR Items separately as applicable)

Principal Executive Director,
Eastern Region,
RailTel Corporation of India Ltd.
19th Floor, Aurora Waterfront Building,,
Plot No. 34/1, Block GN, Sector-V,
Salt Lake City, Bidhannagar,
Kolkata-700091.

Dt. _____

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

Ref: GeM Bid No. GEM/2025/B/6860972, dated. 07.11.2025

Dear Sir,

We, M/s....., are established and reputed manufacturer and service provider of
..... (products 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 _____(Name of work) our range of products against your above said bid.

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

Thanking you,
Best regards,

Authorised Signatory

Annexure-III

FORMAT FOR AFFIDAVIT TO BE UPLOADED BY TENDERER ALONGWITH THE TENDER DOCUMENTS

(To be executed in presence of Public notary on non-judicial stamp paper of the value of Rs.100/-
The stamp paper has to be in the name of the tenderer)**

I..... (Name and designation)** appointed as the attorney/authorized signatory of the tenderer (including its constituents),
M/s. (hereinafter called the tenderer) for the purpose of the Tender documents for the work of

as per the tender No. of RailTel Corporation of India Ltd., Eastern Region, do hereby solemnly affirm and state on the behalf of the tenderer including its constituents as under:

- (i) I/We the tenderer (s) am/are signing this document after carefully reading the contents.
- (ii) I/we the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
- (iii) I/We hereby declare that I/We have downloaded the tender documents from electronic tender portal. I/We have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenderer's, execution of work or final payment of the contract, the master copy available with the RailTel Administration shall be final and binding upon me/us.
- (iv) I/We declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
- (v) I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.**
- (vi) I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents submitted by us.**
- (vii) I/We undersigned that if the certificates regarding eligibility criteria submitted by us are found to be forged/false or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender EMD besides banning of business for five years on entire RailTel Corporation of India Limited. Further, I/we (*insert name of the tenderer*) ** and all my/our constituents understand that my/our offer shall be summarily rejected.
- (viii) I/we also understand that if the certificates submitted by us are found to be false/forged or incorrect at any time after the award of the contract, it will lead to termination of the contract, alongwith forfeiture of EMD and Performance Guarantee besides any other action provided in the contract including banning of business for five years on entire RailTel Corporation of India Limited.

DEPONENT

SEAL AND SIGNATURE OF THE TENDERER

VERIFICATION

I/We above named tenderer do hereby solemnly affirm and verify that the contents of my/our above affidavit are true and correct. Nothing has been concealed and no part of it is false.

**DEPONENT
SEAL AND SIGNATURE OF THE TENDERER**

Place:

Dated:

** The contents in Italics are only for guidance purpose. Details as appropriate are to be filled in suitably by tenderer. Attestation before Magistrate/Notary Public.

Annexure - IV

PROFORMA FOR PERFORMANCE BANK GUARANTEE BOND

(to be in accordance with stamp act)

(To be used for performance Guarantee Beyond Rs. 5 Lacs from approved Scheduled Commercial Banks and not from any Cooperative Bank or NBFC)

1. In consideration of the RailTel Corporation of India Limited, 19th Floor, Aurora Water Front Building, GN. 34/1, Block GN, Sector-V, Salt Lake City, Bidhannagar, Kolkata-700091 (Herein after called RailTel) having agreed to exempt
(Hereinafter called "the said Contractor(s)")
 from the demand, under the terms and conditions of an Purchase Order/LOA 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, on 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 Kolkata (indicate detail address of local Kolkata 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) / Bidder(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) / Bidder(s) shall have no claim against us for making such payment.
4. 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 We shall be discharged from all liability under this Guarantee thereafter.

5. 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.
6. This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s) Supplier(s).
7. We,Bank further agree that this guarantee shall be invocable at our place of business at/Kolkata (indicate detail address of Kolkata branch with code no.) the branch at Kolkata is being advised accordingly
(indicate the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.
8. Notwithstanding anything contained herein,
 1. Our liability under the Bank guarantee shall not exceed Rs. (In Rupees)
 2. This Bank Guarantee shall be valid up to..... and
 3. We are liable to pay the guaranteed and or any part thereof under this Bank Guarantee only and only if you serve upon is a written claims or demand or before(date of expiry of guarantee).

Dated the day of 2025
for
(indicate the name of the Bank)

Witness

1. Signature
Name
2. Signature
Name

Annexure -V

Note: Bidders exempted from submission of bid security are required to submit this form.

Bid Securing Declaration
(on Company Letter-head)

Bidder's Name _____
[Address and Contact Details]

To
Principal Executive Director,
RailTel Corporation of India Ltd., 19th Floor,
Aurora Waterfront Building, Plot No. 34/1, Block GN,
Sector-V, Salt Lake City, Bidhannagar, Kolkata-700091.

Ref: GeM Bid No. GEM/2025/B/6860972, Dt. 07.11.2025

Sir/ Madam

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, the bid must be supported by a Bid Securing Declaration in lieu of Bid Security.

We unconditionally accept the conditions of this Bid Securing Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in RailTel Corporation of India Ltd for 2 years from the date of opening of this bid if we breach our obligation(s) under the tender conditions if we:

- 1) withdraw/ amend/ impair/ derogate, in any respect, from our bid, within the bid validity; or
- 2) being notified within the bid validity of the acceptance of our bid by the Procuring Entity:
- 3)
 - a. refused to or failed to produce the original documents for scrutiny or the required Performance Security within the stipulated time under the conditions of the Tender Document.
 - b. Fail or refuse to sign the contract.

We know that this bid-Securing Declaration shall expire if the contract is not awarded to us, upon:

- 4) receipt by us of your notification
 - a. of cancellation of the entire tender process or rejection of all bids or
 - b. of the name of the successful bidder or
- 5) Ninety days after the expiration of the bid validity or any extension to it.

(Signed by the Authorized Representative of Firm)

Name of Authorized Representative:
Name of Firm:
Date:

Annexure-VI.a for SOR-1: Patch cord, Attenuator, Adaptor and SFP**Staggered Delivery of materials to Kolkata Store:**

Sl. No.	Item Description	Unit	Quantity				Total Quantity
			Lot-1 (to be delivered within 45 days)	Lot-2 (to be delivered within 150 days)	Lot-3 (to be delivered within 270 days)	Lot-4 (to be delivered within 360 days)	
1	Single mode SC/PC - LC/PC patch Chord - 01 mtr. Length	Nos.	25	25	25	25	100
2	Single mode SC/PC - LC/PC patch Chord - 03 mtr. Length	Nos.	25	25	25	25	100
3	Single mode SC/PC - LC/PC patch Chord - 05 mtr. Length	Nos.	25	25	25	25	100
4	Single mode SC/PC - LC/PC patch Chord - 10 mtr. Length	Nos.	25	25	25	25	100
5	Single mode SC/PC - LC/PC patch Chord - 15 mtr. Length	Nos.	37	37	37	39	150
6	Single mode SC/PC - LC/PC patch Chord – 20 mtr. Length	Nos.	37	37	37	39	150
7	Single mode LC/PC - LC/PC patch Chord - 01 mtr. Length	Nos.	37	37	37	39	150
8	Single mode LC/PC - LC/PC patch Chord - 02 mtr. Length	Nos.	25	25	25	25	100
9	Single mode LC/PC - LC/PC patch Chord - 03 mtr. Length	Nos.	25	25	25	25	100
10	Single mode LC/PC - LC/PC	Nos.	25	25	25	25	100

	patch Chord - 05 mtr. Length						
11	Single mode LC/PC - LC/PC patch Chord - 10 mtr. Length	Nos.	37	37	37	39	150
12	Single mode LC/PC - LC/PC patch Chord - 15 mtr. Length	Nos.	62	62	62	64	250
13	Single mode LC/PC - LC/PC patch Chord - 20 mtr. Length	Nos.	62	62	62	64	250
14	Single mode LC/PC-FC/PC patch Chord 01 mtr. Length	Nos.	25	25	25	25	100
15	Single mode LC/PC-FC/PC patch Chord 03 mtr. Length	Nos.	25	25	25	25	100
16	Single mode LC/PC-FC/PC patch Chord 05 mtr. Length	Nos.	25	25	25	25	100
17	Single mode LC/PC-FC/PC patch Chord 10 mtr. Length	Nos.	50	50	50	50	200
18	Single mode LC/PC-FC/PC patch Chord 15 mtr. Length	Nos.	44	44	44	44	176
19	Single mode LC/PC-FC/PC patch Chord 20 mtr. Length	Nos.	62	62	62	64	250
20	Single mode SC/PC - FC/PC patch Chord 01 mtr. Length	Nos.	12	12	12	14	50
21	Single mode SC/PC - FC/PC patch Chord 03 mtr. Length	Nos.	37	37	37	39	150
22	Single mode SC/PC - FC/PC patch Chord 05 mtr. Length	Nos.	37	37	37	39	150

23	Single mode SC/PC - FC/PC patch Chord - 10 mtr. Length	Nos.	55	55	55	55	220
24	Single mode SC/PC - FC/PC patch Chord - 15 mtr. Length	Nos.	25	25	25	25	100
25	Single mode SC/PC - FC/PC patch Chord - 20 mtr. Length	Nos.	25	25	25	25	100
26	Single mode FC/PC - FC/PC-patch Chord 01 mtr. Length	Nos.	12	12	12	14	50
27	Single mode FC/PC - FC/PC-patch Chord 03 mtr. Length	Nos.	25	25	25	25	100
28	Single mode FC/PC - FC/PC-patch Chord 05 mtr. Length	Nos.	27	27	27	29	110
29	Single mode FC/PC - FC/PC-patch Chord 10 mtr. Length	Nos.	44	44	44	44	176
30	Single mode FC/PC - FC/PC-patch Chord 20 mtr. Length	Nos.	50	50	50	50	200
31	Single mode SC/PC - SC/PC patch Chord - 01 mtr. Length	Nos.	25	25	25	25	100
32	Single mode SC/PC - SC/PC patch Chord - 03 mtr. Length	Nos.	37	37	37	39	150
33	Single mode SC/PC - SC/PC patch	Nos.	37	37	37	39	150

	Chord - 05 mtr. Length						
34	Single mode SC/PC - SC/PC patch Chord - 10 mtr. Length	Nos.	37	37	37	39	150
35	Single mode SC/PC - SC/PC patch Chord - 15 mtr. Length	Nos.	27	27	27	29	110
36	Single mode SC/PC - SC/PC patch Chord - 20 mtr. Length	Nos.	25	25	25	25	100
37	LCPC Plugin Attenuator - 1dB	Nos.	25	25	25	25	100
38	LCPC Plugin Attenuator - 3dB	Nos.	50	50	50	50	200
39	LCPC Plugin Attenuator - 5dB	Nos.	25	25	25	25	100
40	LCPC Plugin Attenuator - 6dB	Nos.	25	25	25	25	100
41	LCPC Plugin Attenuator - 8dB	Nos.	25	25	25	25	100
42	LCPC Plugin Attenuator - 9dB	Nos.	25	25	25	25	100
43	LCPC Plugin Attenuator - 10dB	Nos.	50	50	50	50	200
44	LCPC Plugin Attenuator - 13dB	Nos.	25	25	25	25	100
45	LC - LC Adaptor	Nos.	25	25	25	25	100
46	FC/PC Attenuator - 3dB	Nos.	27	27	27	29	110
47	FC/PC Attenuator - 5dB	Nos.	25	25	25	25	100
48	FC/PC Attenuator - 10dB	Nos.	25	25	25	25	100

49	FC/PC Adaptor	Nos.	25	25	25	25	100
50	SC/PC Attenuator - 3dB	Nos.	25	25	25	25	100
51	SC/PC Attenuator - 5dB	Nos.	25	25	25	25	100
52	SC/PC Attenuator - 10dB	Nos.	25	25	25	25	100
53	SC/PC – SCPC Adaptor	Nos.	25	25	25	25	100
54	1G UD SFP 20KM	Nos.	25	25	25	25	100
55	1G BiDi SFP 20KM	Pair	25	25	25	25	100
56	10G UD SFP 20KM	Nos.	12	12	12	14	50
57	10G BiDi SFP 20KM	Pair.	12	12	12	14	50

Annexure- 6.b: Consignee Details

A. Consignee for SOR-1: Supply of Patch cord, Attenuator, Adaptor and SFP:

Asstt. GM/Tech/Store,
RailTel Corporation of India Ltd.,
C/o. Central Warehousing Corporation,
Kishori Mohan Banerjee Avenue,
Panihati, Dhankal,
Kolkata - 700114

B. Consignee for SOR-2: Supply of Layer-2 Access Switch:

Asstt. GM/Tech/Store,
RailTel Corporation of India Ltd.,
C/o. Central Warehousing Corporation,
Kishori Mohan Banerjee Avenue,
Panihati, Dhankal,
Kolkata – 700114

C. Distribution & Consignee for SOR-3: Supply of Layer-2 Switch and accessories:

Sl. No.	Material	Unit	Distribution				Total Qty.
			Kolkata	Patna	Guwahati	New Jalpaiguri	
1	Layer-2 Access Switch	Nos.	68	10	7	5	90
2	10G SFP+ 40 KM	Pairs	73	15	7	5	100
3	10G SFP+ 80 KM	Pairs	-	-	1	-	1
4	Single mode Patch cord LCPC-LCPC 10 mtr. length	Nos.	96	-	-	-	96
5	LCPC Plugin Attenuator	Nos.	27	-	-	-	27

Consignee Address: Kolkata	Name	Contact No.
Asstt. GM/Tech/Store, RailTel Corporation of India Ltd., C/o. Central Warehousing Corporation, Kishori Mohan Banerjee Avenue, Panihati, Dhankal, Kolkata - 700114	Shri Surajit Roy	9007044137

Consignee Address: Patna	Name	Contact No.
Sr. Dy. GM/TM RailTel Corporation of India Ltd., 2 nd Floor, Telecom Hub, Patna Near RRB Building, Karbigahiya End of Patna Jn. Near Central Super Specialty Hospital, Patna – 800001.	Shri Arbind Kumar	7044821111
Consignee Address: Guwahati	Name	Contact No.
Sr. Manager/Stores, RailTel Corporation of India Ltd. 3rd Floor, Ramanand Tower, (Federal Bank Building), Opp. Hotel Nandan, G.S. Road, Palton Bazar, Guwahati – 781008, Assam.	Shri Abhijit Sarkar	7086022990
Consignee Address: New Jalpaiguri	Name	Contact No.
AGM/Tech. RailTel, Telecom Complex, Beside Siliguri Junction, RPF Thana, P.O.-Pradhanagar, Dist: Darjeeling, West Bengal 734013	Shri Dorjee Serpa	9002044168

D. Consignee and Distribution for SOR-4: Supply & Installation of 10 KVA Online UPS and 12V 120AH SMF VRLA Battery:

Consignee Details

Sl. No.	Name of the Territory	Consignee Address	Contact Person	No. of 10 KVA UPS to be supplied	SMF VRLA Battery 12V-120 AH to be supplied
1	Bhubaneswar	RailTel Corporation of India Ltd. 1st Floor, Annex Building, B- Block, Rail Vihar, Chandrashekharpur, Bhubaneswar – 751023.	Shri Bandaru Manohar, Sr. Manager (Tech)/ Bhubaneswar	7	14
2	Guwahati	RailTel Corporation of India Ltd. 3rd Floor, Ramanand Tower, (Federal Bank Building), Opp. Hotel Nandan, G. S. Road, Palton Bazar, Guwahati-781008, Assam.	Shri Abhijit Sarkar, Sr. Manager (Tech.)/ Guwahati	5	6
3	Kolkata	RailTel Corporation of India Ltd. C/o. Central Warehousing Corporation, Kishori Mohan Banarjee Avenue, Panihati, Dhankal, Kolkata-700114	Shri Surajit Roy, Asstt.GM, Kolkata	2	7
4	New Jalpaiguri	RailTel Corporation of India Ltd. Telecom Complex, Beside Siliguri Junction, RPF Thana, P.O.- Pradhanagar, Dist: Darjeeling, West Bengal 734013	Shri Dorjee Sherpa Asstt.GM, Siliguri	6	11
5	Patna	RailTel Corporation of India Ltd. 2nd Floor, Telecom Hub/Patna, Near RRI Building, Karbigahia, End of Patna Jn., Patna – 800001, Bihar.	Shri Arbind Kumar, Sr. DGM (Tech.) Patna	14	19
6	Ranchi	RailTel Corporation of India Ltd. Opp. Ranchi Railway Station, P.O. Chutia, Ranchi – 834001, Jharkhand.	Shri Ravi Bhushan Prasad, AGM (Tech.) Ranchi	1	2
Total				35	59

Distribution for Supply & Installation of 10 KVA Online UPS & 12V 120AH SMF VRLA Battery

Sr. No.	Location	10 KVA Online UPS	12 V 120 AH SMF VRLA Battery	Territory
1	Angul	0	2	Bhubaneswar
2	Bhadrak	0	1	Bhubaneswar
3	Bolangir	0	1	Bhubaneswar
4	Brahmapur	1	1	Bhubaneswar
5	Dhenkanal	0	1	Bhubaneswar
6	Jagdulpur	2	2	Bhubaneswar
7	Jaipur-Keonjhar Rd	1	2	Bhubaneswar
8	Khurda Road	1	2	Bhubaneswar
9	Palasa	1	1	Bhubaneswar
10	Srikakulam Rd	1	1	Bhubaneswar
11	Agartala	0	2	Guwahati
12	Barpeta Rd	2	1	Guwahati
13	Jorhat town	1	1	Guwahati
14	Tinsukia	2	2	Guwahati
15	Bandel	0	1	Kolkata
16	Chittaranjan	0	2	Kolkata
17	Madhupur	1	1	Kolkata
18	Naihati Jn.	0	1	Kolkata
19	Raiganj	0	1	Kolkata
20	Raniganj	1	1	Kolkata
21	Bangaigaon	0	2	New Jalpaigudi

Sr. No.	Location	10 KVA Online UPS	12 V 120 AH SMF VRLA Battery	Territory
22	Bhagalpur	2	2	New Jalpaiguri
23	Coochbehar	0	2	New Jalpaiguri
24	Jamalpur	0	1	New Jalpaiguri
25	New Coochbehar	1	1	New Jalpaiguri
26	Purnia	2	1	New Jalpaiguri
27	Samsi	1	2	New Jalpaiguri
28	Barh	0	2	Patna
29	Begusarai	0	1	Patna
30	Biharsarif	1	1	Patna
31	Chandrapura	2	2	Patna
32	Chopan	0	1	Patna
33	Hatidah	2	2	Patna
34	Jamui	2	1	Patna
35	Jhajha	0	1	Patna
36	Mansi Jn.	0	1	Patna
37	Mokama	1	1	Patna
38	Parasnath	2	1	Patna
39	Rajgir	1	1	Patna
40	Renukut	1	2	Patna
41	Singrauli	2	2	Patna
42	Hatia	1	2	Ranchi
Total		35	59	

Annexure-VII

**PROFORMA FOR Nil Deviation Component Compliance
Undertaking Letter
(TO BE SIGNED BY BIDDER)**

To,
Principal Executive Director/Eastern Region
RailTel Corporation of India Ltd.
19th Floor, Aurora Waterfront Building,
Plot No. 34/1, Block GN, Sector-V,
Salt Lake City, Bidhannagar,
Kolkata-700091

Sub: NIL Deviation Compliance for GeM Bid No. GEM/2025/B/6860972, Dt. 07.11.2025

Dear Sir,

Over and above all our earlier conformations and submissions as per your requirements of the bid, we confirm that,

We will ensure our unconditional compliance of all the terms and conditions as mentioned in the Tender document. In case of any deviation, the same should be attached as an Annexure (as per Format given below) to this form. In case of any deviation, RailTel reserves the right to reject the bid without giving any justification.

Format of Annexure (Deviation Statement)

S. No.	Clause No. & Chapter No.	Existing Clause of Tender	Proposed Clause	Remarks, if any

All the proposed items to be supplied as per SOR for the technical specifications as mentioned in Annexure-I of Bid.

We hereby certify that the items/materials mentioned in our offer are complete.

We confirm that there is no requirement of any other hardware and software to fulfil requirements as per scope against the bid. If any additional hardware and software is required to meet in scope requirements, then it would be provided by us at no extra cost to RailTel.

Place:
Date:

Seal and signature of the bidder

(to be printed on company's letterhead)

Self-Certification under Preference to “MAKE IN INDIA” Policy

DECLARATION OF LOCAL CONTENT

No _____,

Date: _____

To,

Subject: Declaration regarding local content

Reference : (1) DPIIT(PPE), Ministry of Commerce, GoI, notification no. P-45021/102/2019-PP(BE- II) (E-29930) dated 26.11.2020 , 4 March 2021 (and any amendment thereof)

(2) GeM Bid No. _____ dated _____

(3) Our quotation No. _____ dated _____

Dear Sir,

With reference to the above notifications of DPIIT, we hereby declare the following -

1. We are the manufacturer / we have done value addition to the product quoted vide referred quote (bidder to select only one option)

2. We have authorized Mr./Ms _____ (name) _____ designation _____ of our company for giving declaration regarding local content w.r.t. the referred DPIIT notification(s) and any amendment thereon. Our company owns the responsibility for the signature of above official regarding local content being declared herewith. Now onward above mentioned signatory will correspond with your department regarding local content. We understand that the local content is not claimed by us on the basis of **profit, warehousing, marketing, logistics, freight, transportation, insurance, installation, commissioning, training, after sales services, AMC/CAMC etc. as local value addition.**

3. The local content in our referred item's quote is _____ % as per above notification of DPIIT.

4. We are Class (I or II) (bidder to choose either one) supplier as per DPIIT Notifications.

5. Local content value addition is at place _____

6. We understand that false declaration of local content %age w.r.t. above DPIIT order will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules (GFR)2017 for which the bidder or its successors can be debarred for upto two years as per Rule 151(iii) of GFR alongwith such other action as may be permissible under law.

Date:

Place:

Thanking you.

Yours faithfully

Name : _____

Signature _____

Company seal _____

Annexure-IX

**GUIDLINES REGARDING PROVISION FOR PROCUREMENT FROM A BIDDER
WHICH SHARES A LAND BORDER WITH INDIA**

- I. 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 [The Competent Authority for the purpose of registration under this Order shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT)].
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.
- IV. The beneficial owner for the purpose of (III) above will be as under:
 1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means. Explanation-
 - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
 - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or share holders agreements or voting agreements;
 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.
- VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

Certificate to be given by the Tenderer:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that I am not from such a country or, if from such a country, I have been registered with the Competent Authority. I hereby certify that I fulfill all requirements in this regard and I am eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Certificate to be given by Tenderer for Works involving possibility of sub-contracting:

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that I am not from such a country or, if from such a country, I have been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that I fulfill all requirements in this regard and I am eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Annexure – X

Declaration of Clean Track Record/No Blacklisting
(To be submitted by Bidder on original letter head)

To,

Date

Principal Executive Director,
RailTel Corporation of India Ltd.,
Eastern Region, 19th Floor,
Aurora Waterfront Building,
Plot No. 34/1, Block GN, Sector-V,
Salt Lake, Kolkata-700 091

Sub: Declaration of Clean Track Record/No Blacklisting.

Ref: GeM Bid No. GEM/2025/B/6860972, Dt. 07.11.2025

Sir,

I/We hereby declare that my company has not been debarred / black listed as on Bid submission date by any State Government, Central Government, Central & State Govt. Undertakings/ Organizations and by any other Quasi Government bodies/ Organizations, and any other major Enterprise / Organizations in India for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices.

Yours faithfully,

(Signature, name and designation of the authorized signatory)

(Name and seal of the firm)

Annexure – XI

Check list

SN	Have you submitted the following documents?	Submitted/ Complied or not	Page No/ ref no. of Offer
1	Proof of payment of EMD as per Clause-7 of ITB/ Documentary proof of exemption of EMD		
2	Notarized Power of Attorney & resolution of Board of Directors as per Clause-20 of ITB.		
3	Signed Copy of GeM Bid & ATC/ Corrigendum (if Applicable)		
4	Documents required as per eligibility criteria as per Clause- 10 of ITB.		
5	Performance statement including Copies of Purchase Orders & Inspection certificates as per Clause- 10 & 23 of ITB.		
6	Bidder should have authorization specific to this tender from respective OEM as per Annexure-II of ITB		
7	Notarized Affidavit as per Annexure-III of ITB		
8	Bid Security Declaration as per Annexure-V (Applicable in case of claim of exemption from submission of EMD)		
9	NIL deviation declarations as per Annexure- VII		
10	Certificate of Local Content as per Annexure-VIII of ITB.		
11	A certificate on their letterheads as per clause 19 of ITB as per Annexure-IX		
12	Declaration of Clean Track Record/No Blacklisting as per Annexure-X		
13	Offline Documents in original (Notarized Power of Attorney, Notarized Affidavit and Bid Security Declaration (If applicable)		
