

Bid Document

Bid Details	
Bid End Date/Time	04-02-2021 13:00:00
Bid Opening Date/Time	04-02-2021 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	Railtel Corporation Of India Ltd
Office Name	Mahalaxmi Mumbai
Total Quantity	1547
Item Category	Small form-factor pluggable transceiver
Bidder Turnover (Last 3 Years)	24 Lakh (s)
OEM Average Turnover (Last 3 Years)	195 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	40 %
Bid to RA enabled	Yes
Primary product category	Small form-factor pluggable transceiver
Time allowed for Technical Clarifications during technical evaluation	3 Days
Inspection Required	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Post Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Estimated Bid Value	4884668
Evaluation Method	Total value wise evaluation

EMD Detail

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Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	97693

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	38

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

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

Beneficiary:

Regional General Manager/Western Region
RailTel Corporation of India Limited , Microwave Complex , Western Railway , Mahalaxmi Mumbai-400013
(Vinod Kumar Agarwal)

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content

shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

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

Small Form-factor Pluggable Transceiver (326 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem, allmajoroems, allmakesupportable
	Wavelength(nm)	1310
	Fibre Cable Type	dual
	Maximum Data Rate	10000
	Max.Cable Distance	10
	Optical Component (nm)	1310
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (326 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector Type 2. Complies	1. Should have LC type connector. 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 5 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.

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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	326	30

Small Form-factor Pluggable Transceiver (174 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem
	Wavelength(nm)	14901550
	Maximum Data Rate	10000
	Modal Bandwidth (MHz/Km)	80
	Max.Cable Distance	80
	Optical Component (nm)	14901550
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (174 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved	1. Should have LC type connector. 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
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
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.

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	EMI/EMC compatible with FCC/EN/IEC B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	174	30

Small Form-factor Pluggable Transceiver (528 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem, allmakesupported, allmajoroems
	Wavelength(nm)	12701330, 13101550, 15501490
	Maximum Data Rate	10000
	Modal Bandwidth (MHz/Km)	40
	Max.Cable Distance	40
	Optical Component (nm)	12701330
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (528 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	1. Should have LC type connector. 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 19 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1270/1330 or 1550/1310 (Nominal)
Should support Digital Diagnostic Monitoring (MSA-SFF 8472 Compliant) feature with following	A. Transceiver temperature B. Laser bias current C. Launch Optical Power D. Received optical power E. Transceiver supply voltage: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside

operating parameters:	of a factory set normal range.
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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	528	30

Small Form-factor Pluggable Transceiver (74 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem, allmajoroems, allmakesupportable
	Wavelength(nm)	12701330, 13101550, 14901550
	Maximum Data Rate	10000
	Modal Bandwidth (MHz/Km)	60
	Max.Cable Distance	60
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (74 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	1. Should have LC type connector. 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 25 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
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.

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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	74	30

Small Form-factor Pluggable Transceiver (101 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	all, allmajoroem, allmajoroems
	Wavelength(nm)	13101550, 15501310
	Maximum Data Rate	1250
	Modal Bandwidth (MHz/Km)	40
	Max.Cable Distance	40
	Optical Component (nm)	13101550, 15501310
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (101 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	1. Should have LC type connector. 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 19 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1270/1330 or 1550/1310 or 1490/1550
Should support Digital Diagnostic Monitoring (MSA-SFF 8472 Compliant) feature with following	A. Transceiver temperature B. Laser bias current C. Launch Optical Power D. Received optical power E. Transceiver supply voltage: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside

operating parameters:	of a factory set normal range.
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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	101	30

Small Form-factor Pluggable Transceiver (4 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	all, allmajoroem
	Wavelength(nm)	1310, 1550
	Maximum Data Rate	1000
	Modal Bandwidth (MHz/Km)	40
	Max.Cable Distance	40
	Optical Component (nm)	1550
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies	1. Should have LC type connector 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 19 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1310nm or 1550nm
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.
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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	4	30

Small Form-factor Pluggable Transceiver (4 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem
	Wavelength(nm)	14901550
	Maximum Data Rate	1250
	Modal Bandwidth (MHz/Km)	80
	Max.Cable Distance	80
	Optical Component (nm)	14901550
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	1. Should have LC type connector 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
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 -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1550/1310 or 1490/1550
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.

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 B. B Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	4	30

Small Form-factor Pluggable Transceiver (250 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+, QSFP+ 40G, QSFP+ 100G
	SFP Mode	Single
	Wavelength(nm)	12701330, 13101550, 15501490, 15501310
	Maximum Data Rate	1.25, 1000, 1250
	Max.Cable Distance	20
	Optical Component (nm)	13101550, 15501310
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (250 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1.Maximum cable distance 2. Compactable with OEMs products 3. Connector type 4. Complies 5. Should provide quantity in such a way that matching pair (BX U & D) can be achieved.	1. Should support minimum 10 km optical distance on Single Fiber (ITU-G 652D) (Bi Directional on Single Mode Fiber). 2. Should be compatible with OEM equipments like Cisco Juniper and D Link. IT should be MSA Complaint. 3. Should have LC type connector 4. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 5 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1270/1330 or 1550/1310 or 1490/1550
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.

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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	250	30

Small Form-factor Pluggable Transceiver (44 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Maximum Data Rate	1, 1.25, 1000, 1250
	Modal Bandwidth (MHz/Km)	10
	Max.Cable Distance	10
	Optical Component (nm)	1310
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (44 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Compactable with OEMs products	1. Should have LC type connector 2. Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards) 3. Should be compatible with OEM equipments like Cisco Juniper and D Link. IT should be MSA Complaint
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 19 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1310nm
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.
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 B.Laser Safety compatible with FDA/EN/IEC

C. RoHS compliant

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	44	30

Small Form-factor Pluggable Transceiver (42 pieces)

(Minimum 50% Local content required for MII compliance)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Transceiver	SFP+
	SFP Mode	Single
	Compatability with OEMs Products	allmajoroem, allmajoroems
	Wavelength(nm)	1310/1550
	Maximum Data Rate	1250
	Modal Bandwidth (MHz/Km)	20
	Max.Cable Distance	20
	Optical Component (nm)	1310/1550
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Small Form-factor Pluggable Transceiver (42 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
1. Connector type 2. Complies 3. Should provide quantity in such a way that matching pair (BX U & D) can be achieved	1. Should have LC type connector 2 .Complies with SFF-8431/8432 SFP+ MSA (Multi-Source Agreements Standards)
Important Parameters:	A. Link Budget (Max Tx Power- Receiver Sensitivity) 8 dB or better. B. Transceiver supply voltage: 3.3 V (Nominal) C. The case operating temperature -20 Degree Centigrade to +70 Degree Centigrade. D The storage Temp: -40 Degree Centigrade to +85 Degree Centigrade E Wavelength- 1270/1330 or 1550/1310 or 1490/1550
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: F. It will provide alarm and warning flags to alert the user when particular operating parameters are outside of a factory set normal range.
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 B. Laser Safety compatible with FDA/EN/IEC C. RoHS compliant
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* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kheem Singh	400013,Raitel Corporation Of India Limited,Western Railway Microwave Complex,Senapati Bapat Marg,Mahalaxmi West,Mumbai 400013 Maharashtra	42	30

Bid Specific Additional Terms and Conditions

- Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
- Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
- IT equipment shall be IPv6 ready from day one.
- Malicious Code Certificate:

The seller should upload following certificate in the bid:-
(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
(i) Inhibit the desires and designed function of the equipment.
(ii) Cause physical damage to the user or equipment during the exploitation.
(iii) Tap information resident or transient in the equipment/network.
(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.
- OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves 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.
- Shelf Life:** The Product to be supplied must have minimum 7 Years Shelf Life. On the date of supply, minimum 7 Years usable shelf life should be available / balance.
- Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under: RailTel Existing Networks Switches and Routers.
- Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
i) The Seller fails to comply with any material term of the Contract.
ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to

- replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
 - v) The Seller makes a general assignment for the benefit of creditors.
 - vi) A receiver is appointed for any substantial property owned by the Seller.
 - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
12. Scope of supply (Bid price to include all cost components) : Only supply of Goods
13. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
14. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
15. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
16. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.
17. Preference to Make In India products (For bids less than 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
18. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
19. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
20. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:
 Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): NA
 Post Receipt Inspection at consignee site before acceptance of stores: Nominated RailTel Executive by CA.
21. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
22. ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.
23. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with 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. 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). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

24. 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 Organization 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

25. Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name RailTel Corporation of India Limited Account No. 11037321307 IFSC Code SBIN0001821 Bank Name State Bank of India Branch address Churchgate Branch, Maharshi Karve Marg, Mumbai- 400 020.

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

26. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name RailTel Corporation of India Limited Account No. 11037321307 IFSC Code SBIN0001821 Bank Name State Bank of India Branch address Churchgate Branch, Maharshi Karve Marg, Mumbai- 400 020. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

27. **NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.

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

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

---Thank You---



RailTel Corporation of India Limited
A Government of India (Ministry of Railways) Undertaking
Western Region Office, Mumbai -400013 (MH)
visit www.railtelindia.com

सरकार ई-बाजार निविदासूचना/GEM BID NOTICE

सरकार ई बाजार-निविदानोटिससंख्या :GEM/2021/B/984264 Dated 23.01.2021

कार्यकानाम :-रेलटेलकॉर्पोरेशनऑफइंडियालिमिटेडपश्चिमीक्षेत्र,
मुंबईकेमहालक्ष्मीस्टोर्समेंरेलटेलनेटवर्ककेलिएएसएफपीकीआपूर्ति।

Name of the Work :-Supply of SFPs for RailTel Network, at Mahalaxmi Stores of RailTel Corporation of India Ltd. Western Region, Mumbai

निविदाविवरणTENDER Details :-

1.	सरकार ई बाजार-निविदानोटिससंख्या GEM Bid No.	GEM/2021/B/984264 Dated 23.01.2021
2.	सरकार ई बाजार- निविदाजमाकरनेकीअंतिमतिथिऔरसमय Last Date and Time for submission of GEM Bid	04.02.2021, 13:00 hrs. (online only)
3.	सरकार ई बाजार-निविदाखोलनेकीतिथिऔरसमयDate and Time of Tender opening	04.02.2021, 13:30 hrs.
4.	ऑफरकीवैधता Validity of offer	90 Days from the date of opening
5.	कार्य / आपूर्तिकीपूर्णताअवधि Completion period of work / supply	30 days from the date of issue of letter of acceptance.
6.	अनुमानित लागत Approximate Cost	Rs. 4884668/- (Rupees Forty Eight Lakhs Eighty Four Thousand Six Hundred and Sixty Eight Only)
7.	बयाना राशि जमा (EMD) Earnest Money Deposit (EMD) Rs.	Rs. 97693/-
बयाना केवल ऑनलाइन के माध्यम से प्रस्तुत किया जाएगा। (ईएमडी) Earnest Money (EMD) shall be submitted through online only.		

हस्ताक्षर
(एम.पी.चतुर्वेदी)

अपर महाप्रबंधक / भोपाल
रेलटेलकॉर्पोरेशनऑफइंडियालिमिटेडकीओरसे