



Dated: 05-09-2023

**RailTel Corporation of India Ltd
(A Government of India Enterprise)
Plate-A, 6th Floor, Office Tower-2,
NBCC Building, East Kidwai Nagar,
New Delhi-110023**

Website: www.railtelindia.com

Corrigendum -2

Sub: Supply, Design, Installation, Testing, Commissioning and Integration of Tier-1/2/3 MPLS Routers with Existing MPLS and DWDM Network

Ref: (i) This office E-Tender No. RailTel/Tender/OT/CO/NTP/2023-24/MPLS/007, dated 26-07-2023
(ii) Corrigendum-1, dated 24-08-2023

With reference to Tender referred above at (i), following is issued with the approval of Competent Authority:

- a) The last date for Submission of offer (online) for above referred tender is extended from 08-09-2023 at 15:00 Hrs to 20-09-2023 at 15:00 Hrs. Tender will be opened on 20-09-2023 at 15:30 Hrs.
- b) Corrigendum-2 Points (SN-1 to 49)
- c) Response to Pre-bid Queries (SN-1 to 191)
- d) **Annexure-I** (How to download the Tender document, 2 Pages)

(Prashant Yadav)

Sr. Deputy General Manager/NTP

**रेलटेल कॉर्पोरेशन ऑफ इंडिया लिमिटेड (भारत सरकार का उपक्रम)
RailTel Corporation of India Ltd. (A Government of India Undertaking)
CIN : U64202DL2000GOI107905**

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Corrigendum-2 against RailTel E-Tender No. RailTel/Tender/OT/CO/NTP/2023-24/MPLS/007, dated 26-07-2023

SN	Tender Clause No.	Tender Clause	Modified Tender Clause
1	Clause 3.A.1.4.10.3 (Page no -25)	Web based planning tool on-premises for Link Planning should also be provided along with device with no cost to RailTel.	Deleted
2	Clause 4.A.14.1, Point-8, Technical Capability-2	<p>Bidder has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter- 5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies.</p> <p>Note: Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, 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.</p>	<p>Bidder has successfully commissioned and working satisfactorily minimum number of IP-MPLS nodes (as mentioned in BDS Chapter- 5) as on date of opening of Tender during last 07 (seven) years in Government/PSUs/Telecom Service Providers/Public Listed Company (END USER).</p> <p>Note: Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, 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.</p>
3	Chapter-7, Annexure-III, Point-16	Coherent Optics should be able to provide performance monitoring parameters such as: OSNR Tx/Rx Power threshold crossing Bit Error Rate FEC	Coherent Optics should be able to provide performance monitoring parameters such as: OSNR Tx/Rx Power threshold crossing Bit Error Rate
4	Clause 8.2.6.1, SN-15(g)	The router should support SPRING	The router should support SPRING or Segment Routing
5	Clause 8.2.6.1, SN-17 (c)	Web Services based operations for configuration and management	Deleted
6	Clause 8.2.6.1, SN-33(j)	RFC 3358, Optional Checksums in IS-IS	RFC 3358, Optional Checksums in IS-IS or RFC 5310
7	Clause 8.2.6.1, SN-38	Shall support Multi-chassis LAG	Deleted

8	Clause 8.2.6.1, SN-40(f)	RFC 3446, Anycast Rendezvous Point (RP) Mechanism using Protocol Independent Multicast (PIM) and Multicast Source Discovery Protocol (MSDP).	We request to modify the clause as follows: RFC 3446, Anycast Rendezvous Point (RP) Mechanism using Protocol Independent Multicast (PIM) OR Multicast Source Discovery Protocol (MSDP) OR PIM-SSM
9	Clause 4.A.14.2, Point-1, (B)	B. OEM has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter-5) for at least 12 months (during last 3 FY and current FY) as on date of opening of tender in any Government department or Public Sector Units or public listed companies.	B. OEM has successfully commissioned and working satisfactorily minimum number of IP-MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter-5) for at least 12 months (during last 3 FY and current FY) as on date of opening of tender, in India or Abroad in Government /PSUs/Telecom Service Providers/Public Listed Company (END USER).
10	Clause 3.A.1.4.1	Note:	Note (Clauses mentioned below are for SN-6 of above table)
11	Clause 8.4.1 of Chapter-8	The technical specification of SMPS based power plant battery charger 48V/200 AMP Ultimate Capacity with 25 AMP (6+2) configuration, Single Phase with two battery paths for VRLA maintenance free batteries & Tubular Gel VRLA maintenance free batteries for telecom use should generally conforming to RDSO Specification No. RDSO/SPN/TL/23/99 (Ver 4) or Latest Or TEC spec No.GR/FLA/SMP-001/06 June 2010 with latest Amdt.	The technical specification of SMPS based power plant battery charger 48V/400 AMP Ultimate Capacity with 50 AMP (6+2) configuration, Single Phase with two battery paths for VRLA maintenance free batteries & Tubular Gel VRLA maintenance free batteries for telecom use should generally conforming to RDSO Specification No. RDSO/SPN/TL/23/99 (Ver 4) or Latest or TEC spec No.GR/FLA/SMP-001/06 June 2010 with latest Amdt or BSNL Specification BSNL/Specification/SMP001/01 Rev.1 September 2015 with latest amendment.
12	Clause 8.4.2 of Chapter-8	The technical specification of SMPS based power plant battery charger 48V/200 AMP Ultimate Capacity with 50 AMP (6+2) configuration, Single Phase with two battery paths for VRLA maintenance free batteries & Tubular Gel VRLA maintenance free batteries for telecom use should generally conforming to RDSO Specification No. RDSO/SPN/TL/23/99 (Ver 4) or Latest or TEC spec No.GR/FLA/SMP-001/06 June 2010 with latest Amdt.	The technical specification of SMPS based power plant battery charger 48V/200 AMP Ultimate Capacity with 25 AMP (6+2) configuration, Single Phase with two battery paths for VRLA maintenance free batteries & Tubular Gel VRLA maintenance free batteries for telecom use should generally conforming to RDSO Specification No. RDSO/SPN/TL/23/99 (Ver 4) or Latest or TEC spec No.GR/FLA/SMP-001/06 June 2010 with latest Amdt or BSNL Specification BSNL/Specification/SMP001/01 Rev.1 September 2015 with latest amendment
13	RailTel Website		Link document mentioned in RailTel website against the Tender was withdrawn. Please see Annexure-I for downloading the Tender document from ENIVIDA portal

14	Clause 8.1.3.20	8.1.3.20 Coherent optics or Transponder must support following Performance monitoring parameter and configurable TCA reporting PM ParametersDescription iii. LBC Sets the LBC (laser bias current) threshold or TCA reporting status in mA. vii. PCR Sets the PCR (polarization change rate) threshold or TCA reporting status. viii. PDL Sets the PDL (polarization dependent loss) threshold or TCA reporting status. x. SOPMDSets the SOPMD (second order polarization mode dispersion) threshold or TCA reporting status. xiii. PostFEC BERSets the post-FEC BER threshold or TCA reporting status.	8.1.3.20 Coherent optics or Transponder must support following Performance monitoring parameter and configurable TCA reporting PM ParametersDescription iii. Deleted vii. Deleted viii. Deleted x. Deleted xiii. Deleted
15	Point-8, Technical Capability-2, BDS, Chapter-5	Number of IP/MPLS 100 Gbps (Full Duplex) nodes – 49	Number of IP-MPLS nodes – 49
16	Clause 8.1.3.9 of Chapter-8, Point(ii)	(ii) Bidder must supply 2x400G Coherent Optics channel hardware for each direction with 200G capacity license as per network topology.	(ii) Bidder must supply 2x400G Coherent Optics channel hardware for each direction with 200G capacity license.
17	Clause 8.1.3.10 of Chapter-8, Point(ii)	(ii) Links of 400G QDD Coherent optics channel hardware for each direction with 100G capacity license as per network topology and as per Annexure-II	(ii) Links of 400G QDD Coherent optics channel hardware for each direction with 100G capacity license as per Annexure-II
18	Clause 8.2.6.1, SN-40(g)	RFC 3618, Multicast Source Discovery Protocol (MSDP).	Deleted
19	SOR, Note-6	Bidder must validate all the quantities quoted in their technical solution proposed supported by calculations, datasheets and design documents as same would be required for the technical evaluation of the offer. Bidder would be responsible for ensuring the complete system is operational and meeting the requirements as mentioned in the tender document.	Bidder must validate all the quantities quoted in their technical solution proposed supported by calculations, datasheets as same would be required for the technical evaluation of the offer. Bidder would be responsible for ensuring the complete system is operational and meeting the requirements as mentioned in the tender document.
20	Annexure-III - Proof of Concept (POC)- SN-11	Traffic Protection Test (LOS (Fiber Cut)) & Signal Degrade/ Pre-FEC BER Signal Failure):	Traffic Protection Test (LOS (Fiber Cut))/Signal Degrade/ Pre-FEC BER Signal Failure):

21	Clause 8.2.6.1-19-xvii of Chapter-8	Router should support Segment Routing and Segment Routing Traffic Engineering (SR-TE), SR PCEP, Segment Routing for IPv6, On demand next hop, Any cast SID, binding -segments and BGP-LS with support of minimum 10 label depth.	Router should support Segment Routing and Segment Routing Traffic Engineering (SR-TE), SR PCEP, Any cast SID, binding -segments and BGP-LS with support of minimum 8 label depth.
22	Clause 8.2.6.1-20-i of Chapter-8	Router should have support of Ethernet VPN (EVPN with single homing, multi homing)	Router should have support of Ethernet VPN
23	Clause 8.2.6.1-20-ii of Chapter-8	Router should have support of following features on EVPN: EVPN-IRB, EVPN VPWS, EVPN VPWS Preferred Path over SR-TE Policy	Router should have support of following features on EVPN: EVPN VPWS, EVPN VPWS Preferred Path over SR-TE Policy
24	Clause 8.2.6.1-40-i of Chapter-8	Single Rate Three Color Policer RFC 2697	Single/Dual Rate Three Color Policer RFC 2697
25	Clause 8.2.6.1-27-d of Chapter-8	It shall support IGMP snooping v2/v3	It shall support IGMP v2/v3
26	Clause 4.A.14.2, Chapter-4-A, (Section-I)	Point-2 – Eligibility Criteria Requirements for OEM’s – (i) Router - ₹ 26,05,57,848 (ii) Router’s Coherent Optics/Transponder Solution – ₹ 30,54,96,482	Point-2 – Eligibility Criteria Requirements for OEM’s – For Transponder based solution: (i) Router - ₹ 26,05,57,848 (ii) Transponder Solution – ₹ 30,54,96,482 or For Router Coherent Optics based solution: Router - ₹ 56,60,54,330
27	Form no. 3 of Chapter-6	However, if Authorized Distributor/Partner fails to fulfill the support obligation due to any un-foreseen circumstances, the same shall be provided by us directly or through our subsidiary in India for the mentioned/remaining period at the quoted prices by the bidder.	However, if Authorized Distributor/Partner fails to fulfill the support obligation due to any un-foreseen circumstances, the same shall be provided by us directly or through our subsidiary/partner in India for the mentioned/remaining period at the quoted prices by the bidder.
28	Clause 8.1.11 of Chapter-8	The Router/Router (OS) should be tested and certified for EAL2/NDPP (or above) under common criteria programme for security related functions or under Indian common criteria certification scheme (IC3S) by STQC, DEIT, Government of India.	The Router/Router OS/Series/Family should be tested and certified for EAL2/NDPP (or above) under common criteria programme for security related functions or under Indian common criteria certification scheme (IC3S) by STQC, DEIT, Government of India.
29	Clause 8.1.3.6 of Chapter-8	Bidder must offer license-based Capacity upgrade	Deleted

30	Clause 8.1.3.12 of Chapter-8	<p>Typical Power consideration for PoP (–48 Volt DC Power Supply) RailTel will provide 800 W + N* x 26 W –48 Volt DC Power Supply for Tier-1,2 & 3 Routers for Installation &Commissioning. In case the offered equipment requires more typical power –48 Volt DC supply (on without traffic and Operating temperature less than 30 degrees Celsius), in that case bidder shall provide additional DC Charger (N+1 SMR redundancy) and battery bank of the required capacity and same should be from approved make/model from RDSO/TEC. Two sets of 48 Volt DC Charger (Minimum 300A) & Battery bank (Minimum 1000AH) and should also provide Smart Telecom Rack (42 RU) with inner air conditioning (2 KW & external outdoor unit and SNMP monitoring of Temperature) at locations & installed by bidder with no additional cost to RailTel with all accessories. *Where N is equal to number of Coherent optics installed in Router</p>	<p>Typical Power consideration for PoP (–48 Volt DC Power Supply) RailTel will provide 850 W + N* x 26 W –48 Volt DC Power Supply for Tier-1,2 & 3 Routers for Installation &Commissioning. In case the offered equipment requires more typical power –48 Volt DC supply (on without traffic and Operating temperature less than 30 degrees Celsius), in that case bidder shall provide additional DC Charger (N+1 SMR redundancy) and battery bank of the required capacity and same should be from approved make/model from RDSO/TEC. Two sets of 48 Volt DC Charger (Minimum 300A) & Battery bank (Minimum 1000AH) and should also provide Smart Telecom Rack (42 RU) with inner air conditioning (2 KW & external outdoor unit and SNMP monitoring of Temperature) at locations & installed by bidder with no additional cost to RailTel with all accessories. *Where N is equal to number of Coherent optics installed in Router</p>
31	Clause 8.1.3.12-iii of Chapter-8 :Space consideration	T3 PoP: ≤1RU	T3 PoP: ≤2RU
32	Clause 8.3 -4 of Chapter-8	The SDN controller must be deployed on a single physical server/virtualized server and supports 1000 equivalent Nes.	The SDN controller must be deployed on a single/Multiple physical server/virtualized server and supports 1000 equivalent Nes.
33	Clause 8.2.6.1, SN-40 of chapter 8	Rendezvous Point (RP) - ability to be configured as an RP	Rendezvous Point (RP) - ability to be configured as an RP OR equivalent functionality
34	Clause 8.2.6.1, SN-41 of chapter 8	The Router should support BGP Flow Spec to rapidly deploy and propagate filtering and policing functionalities for protection against DDOS	The Router should support BGP Flow Spec or equivalent functionality to rapidly deploy and propagate filtering and policing functionalities for protection against DDOS
35	Clause 8.3, SN-70 of chapter-8	New	SDN Controller should provide latest APIs, which shall further facilitate multivendor interoperability at OSS Layer (if required) at no cost to RailTel
36	Clause 8.2.6.1, SN-42 of chapter 8	New	Proposed Routers must support third party open SFP (MSA compliant) for Grey optics
37	Clause 8.1.21 of Chapter-8	New	Proposed Routers and Transponders (if applicable) should be register in Trusted Telecom portal of Government of India at time of delivery of Equipment's.

38	Clause 8.2.6.1, SN-7.iv.(c) of chapter-8	Humidity: 5% to 95% (non-condensing)	Humidity: 5% to 90% (non-condensing)
39	Clause 8.2.6.1, SN-10 of chapter 8	Alerts for environmental or other hardware-based alarms should be visibly implemented on the chassis	Alerts for environmental or other hardware-based alarms should be visibly implemented on the chassis or through CLI alarms
40	Clause 8.2.6.1, SN-14-b of chapter-8	Router or Router OS/Series/Family should be tested and certified for EAL 2 / NDPP (Network Device Protection Profile) or above under Common Criteria Program for security related functions or under Indian Common Criteria Certification Scheme (IC3S) by STQC, DEIT, Govt. of India	Deleted
41	Clause 8.2.6.1, SN-19-i of chapter-8	Router should be able to support SR standards on IPv6 whenever it is firmed upt without any cost to RCIL.	Router should be able to support SR for IPv6 traffic without any cost to RCIL.
42	Clause 8.2.6.1, SN-19-vii of chapter-8	Controller instantiated SR Policy (PCEP, BGP) and SR policy based on On demand next hop	Controller instantiated SR Policy (PCEP, BGP)
43	Clause 8.2.6.1, SN-19-xiii,xiv,xv,xvi of chapter-8	XIII-Router should support SRv6 feature from day-1 . Router ASIC should be capable of supporting SRv6 natively and inter-working with SR-MPLS . XIV-Router should support RFC7473, Controlling State Advertisements of Nonnegotiated LDP Applications . XV-Router should support Tree-SID for multicast replication in a segment routing environment. XVI-Segment routing must support feature to monitor the labelled path to avoid any black holing due to missing or incorrect label. This should be available for an end to end SR path.	Deleted
44	Clause 8.3, SN-6 of chapter-8	The SDN controller must support the remote disaster recovery capability. The active and standby controllers must support the database synchronization mechanism.	SDN controller should support HA architecture
45	Clause 8.3, SN-49 of chapter-8	The SDN controller supports route calculation and optimization based on the GIS map	Deleted
46	Clause 8.3, SN-58 of chapter-8	The SDN controller must support real-time collection of network performance information through SNMP or NetStream	The SDN controller must support real-time collection of network performance information through SNMP or NetStream or Telemetry
47	Clause 8.3, SN-63 of chapter-8	Should support BW utilization & QoS	Should support BW utilization and Qos monitoring

48	Clause 3.A.1.4.5	<p>In the case of Transponder based solution, RailTel will provide Rack Space (Max 3RU), power (DC) for equipment Installation, Testing & Commissioning. In case of Rack Space required is more 3 RU in that case bidder should provide & install Smart Telecom Rack (42 RU) with inner air conditioning (2 KW & external outdoor unit and SNMP monitoring of Temperature). In this case DCDB, MCBs, power cables (approx.15 mtr per site) required for extending power from Power distribution point shall be provided by the bidder.</p>	<p>In the case of Transponder based solution, RailTel will provide Rack Space (Max 3RU), power (DC) for equipment Installation, Testing & Commissioning. In case of Rack Space required is more 3 RU in that case bidder should provide & install Smart Telecom Rack (42 RU) with inner air conditioning (2 KW & external outdoor unit and SNMP monitoring of Temperature). In this case DCDB, MCBs, power cables (approx.15 mtr per site) required for extending power from Power distribution point shall be provided by the bidder. Transponder system should have redundant chassis (1+1 ,HA) for Tier-1 Locations.</p>
49	Clause 4.A.18.3	<p>To ensure security and network vulnerabilities & breaches and to discourage false undertaking from OEMs, Security auditing and testing shall be carried out from STQC (Ministry of Electronics & Information Technology) or any other Government Agency from the list of CERT-In empanelled Information Security Auditing Organization agencies as mentioned in Clause 4.A.47 of Chapter-4A (Section-I) and Clause 8.3, Chapter-8 (Section-I), Note, Point-iv.</p>	<p>Accordingly, as per the extent amendment of the National Long Distance (NLD) Service License Agreement for Security related concerns for expansion of Telecom Services in various zones of the country issued vide Department of Telecommunication, Ministry of Communication and IT, Govt. of India's letter no. 10-54/2010-CS-III (NLD) dated: 31.05.2011, the successful tenderer (OEM) shall comply with the provisions stated in the above mentioned directive of DoT and shall have to enter into an agreement with RailTel as per the mutual agreement between Telecom Service Provider and the vendor of equipment, product and services (based on template, available on DoT website), covering all relevant clauses. The tenderer must submit a declaration along with their bid in this regard.</p>

Response to Pre-bid queries against RailTel Tender No. RailTel/Tender/OT/CO/NTP/2023-24/MPLS/007, dated 26-07-2023

SN	Pg No. of Tender	Chapter No.	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/ Reason	RailTel Reply
1	191	Chapter 8	8.4.2	-	As per technical specification customer requirement is 200A PP but rectifier configuration is 50A (6+2) Please confirm the rectifier configuration.		Please read Corrigendum, Point-11 & 12
2	191	Chapter 8	8.4.1 & 8.4.2	-	Please allow BSNL specification no: BSNL/Specification/SMP-001/01/Rev-1/September 2015 battery chargers also.		Please read Corrigendum, Point-11 & 12
3	2	-	Notice Point no-C	Earnest Money Deposit (EMD)- ₹ 87,85,800/- (including GST) to be made in favour of RailTel Corporation of India Ltd. online through e-nivida Portal.	Request you to please add bank guarantee option along with online payment. We also request to share Bank guarantee along with SFMS details.	Due to online payment, the finance cost will increase and it will increase the overall Project cost.	It will be as per Tender document.
4	69	4	4.A.14.1 Point no-3	The bidder should have received a minimum cumulative turnover as mentioned in BDS (Chapter-5, Section-I) from the operations in the last three financial years plus current year upto the date of opening of tender.	Request to amend the clause as under: The bidder should have received a minimum cumulative turnover as mentioned in BDS (Chapter-5, Section-I) from the operations in the last three financial years plus current year/ Provisional balance sheet upto the date of opening of tender.	The current balance sheet is under process.	It will be as per Tender document.
5	73	4	4.A.14.1 Point no-8	End user successfully commissioned and working satisfactorily certificate along with the PO copies clearly mentioning the number of IP/MPLS 100 Gbps (Full Duplex) nodes (As mentioned in BDS, Chapter-5) for at least 12 months (during last 07 (seven) years to be submitted.	Request to amend the clause as under: End user successfully commissioned and working satisfactorily certificate along with the PO copies clearly mentioning the number of IP/MPLS 100 Gbps (Full Duplex) nodes (As mentioned in BDS, Chapter-5) for at least 6 months (during last 07 (seven) years to be submitted.	To increase participation.	Please read Corrigendum, Point-2
6	114	5	Clause 4.A.6, Chapter-4-A, (Section-I)	Performance Bank Guarantee Equivalent to 10% of the total value of the LoA issued	Request to amend the clause as under: Performance Bank Guarantee Equivalent to 3% of the total value of the LoA issued.	Due to higher PBG %,The finance cost will increase and it will increase the overall Project cost.	It will be as per Tender document.
7	16	15	POC	All Bidders offering their Router/Transponder based solution are required to conduct POC immediately after bid opening time as per Clause 4.A.47 of Chapter-4A (Section-I). Bidder are also required to submit details of Hardware/Software offered for POC as per Table-1 (Chapter-7, Annexure-III, Point-3) with-in 7 working days (except Saturday, Sunday and any gazetted Holidays). Bidder is also required to share date of readiness for POC testing.	Please change it to "All Bidders/OEMs offering their Router/Transponder based solution are required to conduct POC immediately after bid opening time as per Clause 4.A.47 of Chapter-4A (Section-I). Bidder/OEMs are also required to submit details of Hardware/Software offered for POC as per Table-1 (Chapter-7, Annexure-III, Point-3) with-in 7 working days (except Saturday, Sunday and any gazetted Holidays). Bidder/OEM is also required to share date of readiness for POC testing".	Bidder may require the OEM assistance to make the POC successful	It will be as per Tender document.
8	194	8.6	Rack Dimension		Width & Depth of Rack is not mentioned in the specifications, kindly specify the same		It will be as per the solution requirement offered by the Bidder.

9	23	3A	Bidder shall provide supported QSFP-DD Coherent full slot mother card + modular Interface card OR 400G Transponder System along with required optics for Cisco NCS 5504 for backbone connectivity with other end Router (Tier1/2/3) through existing DWDM optical layer. 4x100G QSFP28 LR4 Interface shall be available in Cisco NCS 5504 for backbone connectivity	3.A.1.4.1 (note 1)	(a) This item is missing is SOR. Kindly clarify how to include in the price Bid. (b) Kindly also confirm 1x400G DWDM QSFP-DD or 100G DWDM QSFP-DD, and 4x100G LR4 10KM to be offered, as Tier-3 locations have asked for 100G bandwidth links. (c) Kindly also confirm, for external router, this router should be equipped with only one 100G DWDM QSFP-DD 4x100G LR4 10KM to be offered as per this clause interface requirements.	To have more clarity and commercial offer	(a) As mentioned in Clause 3.A.1.4.1 of Note, bidder to quote optics solution against SOR item no. 2.3. Moreover, please read corrigendum, Point-10. (b) It will be as per Tender document. (c) It will be as per Tender document.
10	103	4A	All Bidders offering their Router/Transponder based Solutions are required to conduct POC immediately after bid opening time (as mentioned in BDS). Bidders must ensure that make and model of Hardware & Software used in POC 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 and Software offered for POC, bidder's bid will be technically disqualified. Details of Functional requirement are mentioned in Annexure-III of Chapter-7 (Section-I).	4.A.47.1	All Bidders offering their Router/Transponder based Solutions are required to conduct POC immediately after bid opening time (as mentioned in BDS). Bidders must ensure that make and model / Series of Hardware & Software used in POC should be same as offered in their submitted bids. Please note that no deviation in terms of Make & Model / Series offered in Tender will be permitted. In case of any deviation found in make and model in Hardware and Software offered for POC, bidder's bid will be technically disqualified. Details of Functional requirement are mentioned in Annexure-III of Chapter-7 (Section-I).	Larger participation	It will be as per Tender document.
11	181	CHAPTER-8	Shall support Multi-chassis LAG	8.2.6, Point 38	Shall support Multi-chassis LAG / EVPN Dual homing	Larger participation	Please read Corrigendum, Point-7
12	183	CHAPTER-8	Web Services based operations for configuration and management	17 (c)	Kindly remove this clause	It compromises the security of the device	Please read Corrigendum, Point-5.
13	183	CHAPTER-8	(g) The router should support SPRING	15 (g)	Kindly change the clause to Router should support Source Packet Routing in Networking (SPRING) or Segment routing	SPRING is OEM specific. SPRING or SR is a method of forwarding packets on the network based on the source routing	Please read Corrigendum, Point-4
14	186	CHAPTER-8	RFC 3358: Optional Checksums in IS-IS	33 (j)	Kindly change" RFC 3358: Optional Checksums in IS-IS" or RFC 5310	Not useful once we have Cryptographic authentication support. We're not using the optional checksum TLV, neither adding it nor checking the checksum if present. We support authentication for ISIS (RFC 5310) which provides superior functionality.	Please read Corrigendum, Point-6.
15			RFC related compliance		Kindly allow Feature mentioned in the relevant RFC should be supported.		It will be as per Tender document.
16	14	CHAPTER-2	c) Design, Installation, Testing, Commissioning & Integration of the offered Hardware and Software of Routers shall be done by Router OEM's authorized Engineers.	NOTE (C)	Kindly change this clause as "c) Design, Installation, Testing, Commissioning & Integration of the offered Hardware and Software of Routers shall be done by Router OEM's own Engineers/OEM professional Services. "	Since this is Critical setup , so the Design & pilot Installation of Routers shall be done by Router OEM's own Engineers (OEM professional Services). (as many OEM can authorize any engineers any open available enginner) that would compromise the quality of the Design & Setup.	It will be as per Tender document.

17	176	CHAPTER-8	8.1.19 HLD and LLD shall be vetted by OEM professional services engineers and Network shall also be implement in supervision of OEM professional services engineers	8.1.19	Kindly change this clause as "HLD and LLD shall be prepared by OEM professional services engineers and Network shall also be implement in supervision of OEM professional services engineers"	As Design is the core of the overall setuo and Since this being Critical setup for RAILTEL, so it is requested the Design (HLD, LLD) shall be done by OEM's own Engineers (OEM professional Services), a	It will be as per Tender document.
18	178	CHAPTER-8	Bidder must supply 2x400G Coherent Optics channel hardware for each direction with 200G capacity license as per network topology	8.1.3.9	Kindly remove network topology reference from clause and replace with Annexure-II	As per RFP, Optics/Transponder qty needs to be quoted as per Annexure-II and remove duplicate reference	Please see corrigendum Point-16
19	178	CHAPTER-8	Links of 400G QDD Coherent optics channel hardware for each direction with 100G capacity license as per network topology and as per Annexure-II	8.1.3.10	Kindly remove network topology reference from clause and replace with Annexure-II	As per RFP, Optics/Transponder qty needs to be quoted as per Annexure-II and remove duplicate reference	Please see corrigendum Point-17
20	171	7	Link OSNR	7.4	Is understanding correct that Link OSNR can be measured using External OSA or inbuilt OSNR function in Optics/Transponder?	How Link OSNR needs to be measured? Inbuilt OSNR function is fast and doesn't require expert in field.	OSNR will be measured using inbuilt OSNR fucntion in Optics/Transponder
21	171	7	RFC 2544 Test Duration: 48 Hrs	9	Is understanding correct that error resulted due to RailTel network issue during 48Hrs test duration, test won't be marked as Fail? RailTel will provide PM/Alarm of network for analysis and Test will be restarted post analysis. This time period won't be accounted in 30 days PoC period.	Network condition are dynamic for e.g. Fiber Cut, Fiber Degrade or DWDM Equipment Failure etc.	Agreed. Any RailTel network issue during POC testing will not be marked as Fail.
22	173	7	Coherent Optics/Transponder Performance monitoring: FEC	16	Kindly remove FEC PM	Bit Error Rate is related to FEC. There is no seperate PM like FEC. Typically, PreFEC BER or Post FEC BER supported by system/platform	Please read Corrigendum, Point-3
23	14	CHAPTER-2	c) Design, Installation, Testing, Commissioning & Integration of the offered Hardware and Software of Routers shall be done by Router OEM's authorized Engineers.	NOTE (C)	Kindly change this clause as "c) Design, Installation, Testing, Commissioning & Integration of the offered Hardware and Software of Routers shall be done by Router OEM's own Engineers/OEM professional Services. "		It will be as per Tender document.
24	176	CHAPTER-8	8.1.19 HLD and LLD shall be vetted by OEM professional services engineers and Network shall also be implement in supervision of OEM professional services engineers	8.1.19	Kindly change this clause as "HLD and LLD shall be prepared by OEM professional services engineers and Network shall also be implement in supervision of OEM professional services engineers"		It will be as per Tender document.
25	75	Chapter 4	Supporting document Required :End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) Satisfactory Working certificate for at least 12 months (during last 3 FY and current FY) as on date of opening of tender clearly mentioning the make & model number of the offered Hardware/Software.Undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/family of the offered Hardware/Software.	4.A.14.2/ SN 1. A.	Supporting document Required :End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) Satisfactory Working certificatefor at least 12 months (during last 3 FY and current FY) as on date of opening of tender/ Public Case Study clearly mentioning the make & model number of the offered Hardware/Software. Undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/family of the offered Hardware/Software.		It will be as per Tender document.

26	76	Chapter 4	"Supporting document Required :End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) successfully commissioned and working satisfactorily certificate along with the POs clearly mentioning the number of IP/MPLS 100 Gbps (Full Duplex) nodes (As mentioned in BDS, Chapter-5) for at least 12 months to be submitted."	4.A.14.2/ SN 1. B	"Supporting document Required :End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) successfully commissioned and working satisfactorily certificate along with the POs/ Public Case Study clearly mentioning the number of IP/MPLS 100 Gbps (Full Duplex) nodes (As mentioned in BDS, Chapter-5) for at least 12 months to be submitted."		It will be as per Tender document.
27	76	Chapter 4	"Supporting document Required :For Transponder solution –End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) certificate mentioning Deployment of minimum 100G Alien wavelength in live network over 3rd party DWDM network for minimum length of 500 Kms for at least 12 months as on date of opening of tender in India or Abroad. OR For Router Coherent Optics solution - End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) certificate mentioning Deployment of minimum 100G IP over DWDM for minimum length of 500 Kms network for at least 12 months (during last 3 FY and current FY) as on date of opening of tender in India or Abroad."	4.A.14.2 SN 1.C	"Supporting document Required :For Transponder solution – End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) certificate mentioning Deployment/ Public case Study of minimum 100G Alien wavelength in live network over 3rd party DWDM network for at least 12 months as on date of opening of tender in India or Abroad. OR For Router Coherent Optics solution - End User (Government /PSUs/Telecom Service Providers/Public Listed Company in India or Abroad) certificate/ Public case study mentioning Deployment of minimum 100G IP over DWDM network for at least 12 months (during last 3 FY and current FY) as on date of opening of tender in India or Abroad."		It will be as per Tender document.
28	77	Chapter 4	"OEM should have supplied the hardware/software offered or hardware/software of the same series/family of minimum value (as mentioned in BDS (Chapter-5, Section-I)) during last preceding 3 financial years(i.e., current year and three previous financial years) as on opening date of bid to Government/PSUs/Telecom Service Providers/Public Listed Company in India or Abroad."	4.A.14.2 SN 2	"OEM should have supplied the hardware/software offered or hardware/software of the same series/family of minimum quantity (as mentioned in BDS (Chapter-5, Section-I)) during last preceding 3 financial years(i.e., current year and three previous financial years) as on opening date of bid to Government/PSUs/Telecom Service Providers/Public Listed Company in India or Abroad."	We don't have access to commercial information of the end user PO. End customer price is a confidential information. Request you allow us to share detail quantity supplied which should be minimum quantity mention in BDS (Chapter-5, Section-I)	It will be as per Tender document.

29	77	Chapter 4	"Offered Hardware and Software are having End of Life (EOL) more than 10 years and End of Sale (EOS) more than 4 years from the date of opening of this Tender"	4.A.14.2 SN 4	Offered Hardware and associated Software are having End of Life (EOL) minimum 8 years from the date of opening of this Tender. This clause will be applicable for only Routers and Router's Coherent optics/Transponders. Hardware and software other than mentioned will have EoL minimum 5 years.	"According to guideline from Ministry of Railway on Codal life of Assets , Codal life of Telecommunication Equipments which includes Datacomm,Routers is 5-8 years. Request you to kindly ammend this clause."	It will be as per Tender document.
30	73			4.A.14.1	Bidders are allowed to submit experience in terms of technical qualification of their holding (parent) company / subsidiary company /sister concerned. Please confirm		It will be as per Tender document.
31	73			4.A.14.1	We understand that the following eligibility criteria i.e. Number of IP/MPLS 100 Gbps (Full Duplex) nodes-49 is asked to OEM and also to bidder. So requesting authority to make this clause as below The bidder or its quoted OEM should have Number of IP/MPLS 100 Gbps (Full Duplex) nodes-49		It will be as per Tender document.
32					Under this RFP the Bidder has been referred to as Contractor/Supplier/Bidder. Thus,request the authority to kindly use a single term throughout the RFP document in order to avoid confusion.		Bidder/Supplier/Contractor may be read as Bidder in the Entire Tender document.
33			As a Director, Manager or Secretary in the case of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the authority conferred by Memorandum of Association.		Need to confirm if POA can be issued in favour of any other person other than Director, Company Secretary		Please read clause 4.A.37 for POA and it will be as per Tender document.
34				Chapter 4			Query not clear
35	51		The Bidder will provide the replacement of all Faulty Router equipment/cards/optics/other Router accessories on Next Business Day (NBD) support. To ensure the same, Bidder has to show the NBD support on the OEM portal or OEM certification that all equipment purchased are under NBD support and TAC Support under Severity Level-1. Bidder shall include complete Hardware and Software offered under this Tender. The same will be verified by RailTel or its authorized representative	Chapter 4	Request the authority to kindly clarify if the costs for the replacement of such equipments will be borne by the Bidder. If yes, kindly modify the clause in order to limit the liability of the Bidder as this will be highly exposing the Bidder on financial terms.		It will be as per Tender document.
36	51		The Contractor will take-over the defective Cards/SFPs/Optics, Racks, Battery, Charger, ACs from each of the RailTel POP location or mutually agreed location. The following activities will be performed by the contractor:	Chapter 4	Request the authority to kindly modify the clause in order to limit the liability of the Bidder. Modification requested as follows- The Contractor will take-over the defective Cards/SFPs/Optics, Racks, Battery,		It will be as per Tender document.

37	52	Delivery Period: The replacement for defective part will be arranged by the contractor on next business day support at the Fault site/location and the faulty equipment/cards/accessories will be handed over to him. The penalties mentioned in below will be applicable for not replacing the faulty part within 4 (four) working days. The contractor will also give probable reason for repeated failure of cards/modules.	Chapter 4	Request the authority to kindly increase the time period under this clause for the replacement of defective part as the business operation takes reasonable time to perform such activities .		It will be as per Tender document.
38	63	"Helpdesk Support" shall mean the OEM Certified L-2 Support Engineer at CNOC which shall handle Fault reporting, Trouble Ticketing and related enquiries during this contract.	Chapter 4	Request the authority to kindly clarify if the helpdesk support system will be 24*7*365 or not? If not, then kindly provide clarity on the same.		It will be as per Tender document.
39	67	The Engineer will not leave HQ without the permission of RailTel.	Chapter 4	Request the authority to kindly delete/modify this clause as it will be subject to any case of emergency. Thus, request the authority to propose a clause to provide alternate engineer instead.		Alternate Engineer with same experience and knowledge of RailTel network as decided by CNOC/In-charge may be provided till regular L-2 support engineer come back from leave.
40	67	In addition to the above penalty for breach of the SLA parameters, No payment for the month would be made for all Routers under a Section, where the down time observed for more than 20% of the installed Routers in the Section. In case of frequent SLA breaches, RailTel reserve the right to forfeit the PBG submitted by the bidder.	Chapter 4	Request the authority to kindly delete this clause as it will be very high financial exposure for the Bidder and there should not be any payment withheld or not made by RailTel. And in the event such payment is not made it should be solely attributable to the bidders default		It will be as per Tender document.
41	68	Liquidated Damages. The timely delivery is the essence of this tender. Liquidated damages will be applicable at the rate of half percent per week or part thereof for undelivered portion of SOR subject to a maximum of 10% of the cost of Purchase order/LOA for any reason whatsoever attributed to failure of bidder. RailTel will have the right to cancel the order, place order on alternative source besides levying the liquidated damages as above.	Chapter 4	Request the authority to kindly revise this clause as the 10% should be on the undelivered portion only and not on the cost of PO / LOA. Also, request the authority to kindly vest the cancellation rights of the order with mutual consent of both the Parties and not RailTel have the sole right to cancel the order without Bidder's consent.		It will be as per Tender document.

42	91		Chapter 4	Request the authority to kindly modify the clause in order to limit the liability of the Bidder. Modification requested as follows- Failure of the successful bidder to comply with the requirement of various clauses of tender document shall constitute sufficient ground for the annulment of the award and forfeiture of reasonable amount of the EMD solely for the reasons attributable to the Bidder and Purchaser shall within 15 days return the remaining amount to the bidder, in which event the Purchaser may make the award to any other bidder at the discretion of the Purchaser or call for new offers/ bids at the cost of the Purchaser itself.		It will be as per Tender document.
43	94	If during the Agreement, the performance in whole or in part, by either party, of any obligation under this is prevented or delayed, by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENTS), provided notice of happenings of any such EVENT is given by the affected party to the other, within twenty one (21) days from date of occurrence thereof, neither party shall have any such claims for damages	Chapter 4	Request the authority to modify the clause in order to bring out clarity, modification requested as follows- If during the Agreement, the performance in whole or in part, by either party, of any obligation under this is prevented or delayed, by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction (including but not limited to Covid-19 restrictions), strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENTS), provided notice of happenings of any such EVENT is given by the affected party to the other, within twenty one (21) days from date of occurrence thereof, neither party shall have any such claims for damages against the other, in respect of such non-performance or delay in performance. Provided service under this Agreement shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.		It will be as per Tender document.

44	94	<p>In the event of a Force Majeure, the affected party will be excused from performance during the existence of the Force Majeure. When a Force Majeure occurs, the affected party after notifying the other party will attempt to mitigate the effect of the Force Majeure as much as possible. If such delaying cause shall continue for more than thirty (30) days from the date of the notice stated above, the party injured by the inability of the other to perform shall have the right, upon written notice of thirty (30) days to the other party, to terminate this Agreement. Neither party shall be liable for any breach, claims, damages against the other, in respect of non-performance or delay in performance as a result of Force Majeure leading to such termination</p>	Chapter 4	<p>Request the authority to kindly modify the clause on mutual terms for either Party and to limit the liability of the injured/affected party. Please note that the termination rights under an event of Force Majeure must vest with both the Parties. Modification requested as follows-In the event of a Force Majeure, the Parties affected party will be excused from performance during the existence of the Force Majeure. When a Force Majeure occurs, the affected either party after notifying the other party will attempt to mitigate the effect of the Force Majeure as much as possible. If such delaying cause shall continue for more than thirty (30) days from the date of the notice stated above, either the party injured by the inability of the other to perform shall have the right, upon written notice of thirty (30) days to the other party, to terminate this Agreement. Neither party shall be liable for any breach, claims, damages against the other, in respect of non-performance or delay in performance as a result of Force Majeure leading to such termination</p>		It will be as per Tender document.
45	94	<p>The Arbitral Tribunal shall consist of the Sole Arbitrator appointed by CMD/RailTel Corporation of India Limited, if the value of claim is up to Rs. 10 lakhs. If the value of the claim or amount under dispute is more than Rs. 10 Lakhs, the matter shall be referred to the adjudication of arbitral council. Chairman Managing Director (CMD) of RailTel Corporation shall furnish a panel of three names to the contractor, out of which, contractor will recommend one name to be his nominee and then CMD/RailTel shall appoint one name as RailTel's nominee and these two arbitrators with mutual consent shall appoint a third arbitrator who shall act as the deciding arbitrator in terms of Arbitration and Conciliation Act. The award of the sole arbitrator or the Arbitral council, as the case may be, shall be final and binding on both the parties. Each of the parties agree that notwithstanding that the matter may be referred to Arbitrator as provided herein, the parties shall nevertheless pending the</p>	Chapter 4	<p>Request the authority to kindly delete this clause entirely and replace with a simple clause as appointment of sole arbitrator unilaterally by a party is null and void under law. Modification requested in order to secure the exposure of the Bidder as follows- "The Arbitration shall be conducted by a sole arbitrator mutually appointed by both Parties. The Parties agree that the decision of the arbitrator shall be final and binding on the Parties and the Parties consent to the enforcement of any resulting arbitration order in the courts of any jurisdiction where either Party maintains business operations or assets. "</p>		It will be as per Tender document.

46	95		The Contract shall indemnify and save harmless the RailTel from and against all actions, suit proceedings, losses, costs, damages, charges, claims, and demands of every nature and description brought or recovered against the RailTel by reason of any act or omission of the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual loss or damage sustained, and whether or not any damage shall have been sustained.	Chapter 4	Request the authority to kindly modify the clause on mutual terms in order to limit the liability of the Parties and hold the Parties liable solely for the reasons attributable to them. Both the Parties The Contract shall indemnify and save harmless the each other RailTel from and against all direct actions, suit proceedings, direct losses, direct costs, direct damages, direct charges, direct claims, and demands of every nature and description brought or recovered against the other Party RailTel by reason of any act or omission of either Party the Contractor, his agents or employees, in the execution of the works or in his guarding of the same. All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the actual and direct loss or direct damage sustained, and whether or not any direct damage shall have been sustained		It will be as per Tender document.
47	95		Termination for Default	Chapter 4	High Importance Request the authority to kindly modify the clause of termination on mutual terms since termination rights must vest with both the Parties in order to maintain the business relationship and carry out the business operations effectively.		It will be as per Tender document.
48	95		Risk and Cost	Chapter 4	Request the Authority to kindly delete this clause as it is a very high financial exposure for the Bidder.		It will be as per Tender document.
49	96		Termination for Insolvency	Chapter 4	Request the Authority to kindly modify the clause on mutual terms since either Party can undergo the exposure of being insolvent.		It will be as per Tender document.
50	98		Errors, Omissions & Discrepancies	Chapter 4	Request the Authority to kindly modify the clause on mutual terms since either Party can undergo the exposure of making human errors.		It will be as per Tender document.
51	98		The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and	Chapter 4	Request the authority to kindly modify the clause in order to limit the financial exposure of the Bidder as follows-The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and		It will be as per Tender document.
52	98		The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to intellectual property rights infringement.	Chapter 4	Request the authority to kindly modify the clause in order to limit the financial exposure of the Bidder as follows-The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Supplier to indemnify the Purchaser with respect to intellectual property rights infringement.		It will be as per Tender document.

53	105		Damage to Railway/RailTel Property or Private Life and Property:	Chapter 4	Request the Authority to kindly modify this clause on mutual terms since there is a mutual exposure to both the Parties and either Party may undergo Damage to Property or Private Life and Property. In the event the clause cannot be made mutual it is suggested that the clause be modified to ensure that it atleast covers that Bidder shall be held liable for any direct Damage duly attributable to the bidder only.		It will be as per Tender document.
54	168	Annexure-II		Note III			Query not clear
55	103	4A		4.A.47.1	All Bidders offering their Router/Transponder based Solutions are required to conduct POC immediately after bid opening time (as mentioned in BDS). Bidders must ensure that make and model / Series of Hardware & Software used in POC should be same as offered in their submitted bids. Please note that no deviation in terms of Make & Model / Series offered in Tender will be permitted. In case of any deviation found in make and model in Hardware and Software offered for POC, bidder's bid will be technically disqualified. Details of Functional requirement are mentioned in Annexure-III of Chapter-7 (Section-I).	Larger participation	It will be as per Tender document.
56	14	CHAPTER-2		NOTE (C)	Kindly change this clause as "c) Design, Installation, Testing, Commissioning & Integration of the offered Hardware and Software of Routers shall be done by Router OEM's own Engineers/OEM professional Services. "	Since this is Critical setup, so the Design & pilot Installation of Routers shall be done by Router OEM's own Engineers (OEM professional Services). (as many OEM can authorize any engineers any open available engineer) that would compromise the quality of the Design & Setup.	It will be as per Tender document.
57	Page 58 of 198	CHAPTER 4	4.A.5.1	General Clause	Request to provide mobilisation advance of 10% of PO Value which will be adjusted against further payments.		It will be as per Tender document.
58	Page 94 of 198	CHAPTER 4	4.A.29	Settlement of Disputes/Arbitration	The appointment of arbitrator rights must be granted to the bidder as well. Please make necessary changes in the provision to make it mutual in nature.		It will be as per Tender document.
59	Page 95 of 198	CHAPTER 4	4.A.30.1	Indemnity by Contractors	The indemnity provision is way too broad and must be limited to direct damages payable only in situation where any such damage is caused to Railtel's tangible personal property or loss of life or accident caused due to reasons solely attributable to the bidder's gross negligence or wilful misconduct.		It will be as per Tender document.
60	Page 95 of 198	CHAPTER 4	4.A.32	Risk and Cost	The condition that Railtel reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder under huge financial repercussions which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.		It will be as per Tender document.
61	Page 98 of 198	CHAPTER 4	4.A.42	Limitation of Liability	Exceptions are being made towards applicability of indirect or consequential damages upon liquidated damages. Please modify the language to provide complete exclusion of such indirect or consequential damages under the RFP and cap the overall liability of the bidder to most recent twelve months of charges collected under the relevant purchase order.		It will be as per Tender document.
62	Page 26 of 198	CHAPTER 3	3.A.1.5	Manufacturing, Supply and Storage of Equipment	Understand that any hardware, software, development required for integrating the existing network with network supplied as per RFP will be the responsibility of Purchaser. Kindly confirm.	Clarity on scope	It will be as per Tender document.
63	Page 26 of 198	CHAPTER 3	3.A.1.7.1	3.A.1.7.1	Understand that OEM Professional support is limited to TAC support and Bidder can take OEM professional services on need basis if required. Kindly confirm.	Commercial clarity	Please read "Information to Bidder for Compliance, SN-6, Page-17 for OEM professional Services.

64	Page 26 of 198	CHAPTER 3	3.A.1.7.3	3.A.1.7.3	Understand that any hardware, software, development required for integrating the existing network with network supplied as per RFP will be the responsibility of Purchaser. Kindly confirm.	Clarity on scope	It will be as per Tender document.
65	Page 56 of 198	CHAPTER 4	4.A.4	Phase-wise Delivery/Implementation timelines	Considering the Delivery timeline of Material due to supply chain constraints, suggest the Timeline to be modified as T+12 Months instead of T+6 Months and overall Project timeline to be T+15 Months.	Delivery timeline is challenging	It will be as per Tender document.
66	Page 79 of 198	CHAPTER 4	4.A.14.2 , pg	Offered Hardware and Software are having End of Life (EOL) more than 10 years and End of Sale (EOS) more than 4 years from the date of opening of this Tender.	Request you to kindly revise the requirement that the offered Hardware and Software are having End of Life (EOL) Of 7 years and End of Sale (EOS) more than 4 years from the date of opening of this Tender.	AS OEMS not provide EOL of more than 10 Years	It will be as per Tender document.
67	Page 14 & 160 of 198	CHAPTER- 2	5(a),	RailTel reserves the right to change these sites as per the requirement without any additional financial implication to RailTel.	Kindly provide the Tentative % of sites that can be change	To design the overall Techno commercial Solution.	Tentative variation is sites will be 20 to 25%. Bidder will be informed about the site at the time of issue of LOA.
68	Page 55,56 of 198	CHAPTER 4	4.A.4	Phase-wise Delivery/Implementation timelines Phase 1 : Completion of Design, Supply, Installation, Testing, Commissioning and Integration of Tier-1 Router - D+6 Months Phase 2 : Completion of Design, Supply, Installation, Testing, Commissioning and Integration for Tier-2 and Tier-3 Router including SDN Controller for Tier-1, 2 & 3 Routers - D+12 Months	Request you to modify Completion of Design, Supply, Installation, Testing, Commissioning and Integration of Tier-1 Router to D+ 10 Months , Request you to modify Completion of Design, Supply, Installation, Testing, Commissioning and Integration for Tier-2 and Tier-3 Router including SDN Controller for Tier-1, 2 & 3 Routers to D+12	As Equipment lead time is Extremely High	It will be as per Tender document.

69	Page 92 of 198	CHAPTER 4	4.A.24	<p>Rate Contract</p> <p>4.A.24.1 RailTel would also enter into Rate Contract with the firm to whom the contract is awarded for catering to additional requirement as per items covered in Schedule of requirements (SOR) as and when arise in future. Rate Contract on the successful tenderer would be placed separately and would be operative from the date of PAC of the first Section and would be valid for a period of 12 months. The validity of rate contract may be extended for further 12 months with mutual agreement. This Rate Contract would be at the same rates as finalized in main contract or Variation PO, whichever is lesser. During the validity of Rate Contract, RailTel will place Sub Purchase Orders for items detailed in SOR, as per requirement. The total value of all the Sub Purchase Orders</p>	<p>Rate Contract</p> <p>REquest you to ammend the clause as-</p> <p>RailTel would also enter into Rate Contract with the firm to whom the contract is awarded for catering to additional requirement as per items covered in Schedule of requirements (SOR) as and when arise in future. Rate Contract on the successful tenderer would be placed separately and would be operative from the date of Current Contract and would be valid for a period of 6 months. The validity of rate contract may be extended for further 12 months with mutual agreement. This Rate Contract would be at the same rates as finalized in main contract or Variation PO, whichever is lesser. During the validity of Rate Contract, RailTel will place Sub Purchase Orders for items detailed in SOR, as per requirement. The total value of all the Sub Purchase Orders under Rate Contract shall be restricted to 50% of the value of the Tender, however, there is no guaranteed offtake against this Rate Contract.</p>		It will be as per Tender document.
70	Page 101 of 198	CHAPTER 4	4.A.45.1	<p>As per clause no. 3 (b) of the PPP-MII Order dated 16.09.2020, only bidders offering minimum 20% of local content of supply portion of their offered bid (Class-I Local suppliers/bidders - minimum 50% LC and Class-II Local Suppliers/bidders- minimum 20% LC as per PPP-MII Order) are eligible to participate in this tender. Bid of bidders offering less than 20% local content of supply portion of their offered bid will be SUMMARILY REJECTED.</p>	<p>Majority of the OEMs will have less than 20% of Local Content , Hence pl modify the clause as below:</p> <p>Bidders offering minimum 20% of local content of supply portion of their offered bid (Class-I Local suppliers/bidders - minimum 50% LC , Class-II Local Suppliers/bidders- minimum 20% LC) and Imported partner are eligible to participate in this tender.</p>	As Majority of the OEMs will have less than 20% of Local Content.	It will be as per Tender document.

71	Page 101 of 198	CHAPTER 4	4.A.45.2	.A.45.2 The margin of purchase preference shall be 20% and shall be given to 'Class-I local suppliers/bidders'. 'Margin of purchase preference' means the maximum extent to which the price quoted by a Class-I local suppliers/bidders may be above the L1 (Class-II local suppliers/bidders) for the purpose of purchase preference.	Majority of the OEMs will be imported suppliers in nature hence to provide a level playing feild , Hence pl modify the clause as below: The margin of purchase preference shall be 5% and shall be given to 'Class-I local suppliers/bidders'. 'Margin of purchase preference' means the maximum extent to which the price quoted by a Class-I local suppliers/bidders may be above the L1 (Class-II local suppliers/bidders) and imported vendors for the purpose of purchase preference.	As Majority of the OEMs will be imported suppliers.	It will be as per Tender document.
72	Page 17 of 198	CHAPTER 2	Information to Bidder for Compliance: , Point No 6	Bidder should provide OEM Professional Services upto the issuance of PAC as mentioned in Clause 3.D.8 of Tender document.	Request to ammend as Bidder should provide OEM Certified Professional for providing Services upto the issuance of PAC as mentioned in Clause 3.D.8 of Tender document.		It will be as per Tender document.
73	Page 10 of 198	CHAPTER- 2	SCHEDULE OF REQUIREMENT (SOR) Schedule-A – Supply	1.6 Supply of Air Conditioner (along with one Timer for 2 ACs) as mentioned in Chapter-8 of Tender Document. Nos 62	Kindly clarify that bidder needs to provide the 62 Air conditioner and 32 no. timer.	For scope clarity	Yes.
74	Page 11 of 198	CHAPTER- 2	SCHEDULE OF REQUIREMENT (SOR) Schedule-A – Supply	2.7 Supply of Air Conditioner (along with one Timer for 2 ACs) as mentioned in Chapter-8 of Tender Document. Nos 206	Kindly clarify that bidder needs to provide the 206 Air conditioner and 103 no. timer.	For scope clarity	Yes.
75	Page 24 of 198	CHAPTER-3	SCOPE OF WORK AND TECHNICAL REQUIREMENTS	3.A.1.4.6 In case of Transponder based solution, - 48 Volt DC Power Supply (600W) will be made available by in the existing rack with MCB. In case the offered equipment requires more – 48 Volt DC Power Supply, in that case bidder shall provide DC Charger (N+1 SMR redundancy) and battery bank of the required capacity and same should be from approved make/model from RDSO/TEC. Two sets of 48 Volt DC Charger (Minimum 150A) & Battery bank (Minimum 600AH) at locations should be provided & installed by bidder with no additional cost to RailTel.	Kindly clarify that bidder needs to provide the Battery and charger as per specifications clause 8.4 Battery & Charger as per the SOR reequipments.	For scope clarity	It will be as per Tender document.

76	Page 26 of 198	CHAPTER-3	3. A.1.6 Site Preparation 3.A.1.6.1 RailTel' s Responsibility	Following shall be done by RailTel: - (c) Extending Earthing of value less than 1ohm required for MPLS Router equipment.	Kindly confirm that Earthing cables will be extended till equipment level by Railtel	For scope clarity	Bidder will extend the Earthing cable from RailTel bus bar installed at POP to the equipment supplied under this Tender. Approx. distance is 15 metre from RailTel Bus Bar to the Rack.
77	Page 194 of 198	Chapter 8	8.5 Air Conditioner along with Digital/Analog Timer	Heavy Duty Split Type Non Inverter Room Air Conditioner of following Configuration: Capacity 2.0 T.R , 230 Volt, 50 Hz, Single Phase, Rated Capacity 6.6 kW , Total Rated Input Power 1.850 kW, minimum EER 3.57, Indoor unit fan having minimum three settings L/M/H, with suitable refrigerant with star rating 2 or above, with LCD Remote Control.	Rated Capacity of the AC varies OEM to OEM wise, So as per our understanding Rated capacity of the 6.6 KW is the minimum requirements and bidder can propose higher also.	For AC specifications clarity	Requirements mentioned in the clause is minimum requirements. Bidder is free to provide better configuration as mentionde in the Tender clause.
78	Page 194 of 198	Chapter 8	8.5 Air Conditioner along with Digital/Analog Timer	General	Kindly clarify that Stabilizer is not required along with Air-conditioner, If required kindly add in the SOR	For scope clarity	Bidder is free to supply the Air Conditioner (AC) with stablizer or without stablizer depending upon the AC configuration mentioned in Tender document.
79	Page 194 of 198	CHAPTER-8	8.6 19" 42U Rack	ix. P ower Distribution Unit(PDU) Adequate and Redundant power distribution units with electronically controlled circuits for surge and spike protection, isolated input to ground and output to ground	Kindly provide the type of PDU - AC or DC powered Also provide the details of the type of the sockets and sockets quantity per PDU	For scope clarity	It will be as per the scope and equipment offered by the Bidder.
80	Page 179 of 198	Chapter 8	8.1.3 Technical requirement of Coherent Optics/Transponder System and Network Design Approach	RailTel will do alien wavelength provisioning in the existing DWDM network with appropriate channel width.	As we undestand customer will do all the activity related to DWDM resource provision till WDM end points , SI will only do the Patching of WDM with router for all three category POP locations. Any hardware like SFP & mother card required at WDM side part of customer scope. kindly clarify.	For scope clarity	Yes.
81	Page 179 of 198	Chapter 8	8.1.3 Technical requirement of Coherent Optics/Transponder System and Network Design Approach	Based on measured OSNR of alien wavelength in field, RailTel may decide if any REGEN to be added or fiber loss reduction or dial down line rate in consultation with Bidder.	As we understand , addition of REGEN pop & integrate the same in network will be part of customer scope , SI involvement not required . All hardware required for REGEN node will also be supplied by customer. Kindly clarify.	For scope clarity	Please read Clause 3.A.1.4.8 (Page no -24) of Tender document.
82	Page 179 of 198	Chapter 8	8.1.3 Technical requirement of Coherent Optics/Transponder System and Network Design Approach	To meet OSNR requirement, if Regen or downgrade line rate is decided then RailTel will place variation order for additional hardware and for project execution perspective, spare inventory can be used.	As we understand, MPLS & MPLS related hardware is part of this RFP SOR scope.DWDM hardware (Chesis, mothercard, etc) for expansion requirements will be supplied by customer . Kindly clarify	For scope clarity	Please read Clause 3.A.1.4.8 (Page no -24) of Tender document.

83	Page 179 of 198	Chapter 8	8.1.3 Technical requirement of Coherent Optics/Transponder System and Network Design Approach	During implementation RailTel will share complete network information for Alien wavelength commissioning in network.	400G Alien wavelength solution proposed in this RFP is very much Span length & fiber loss sensitive solution. If detail fiber loss & link wise span length of DWDM link share, we can plan the real time traffic simulation through OEMS design tools. kindly share the details.	For solution clarity	Please read Clause 3. A.1.4.9 (Page no -25) of Tender document.
84	Page 18 of 198	CHAPTER-3	Detailed Bill of Material (BOM) format against each Supply Items (Schedule-A) and AMC Item (Schedule-C) (Format-I)	1.2 Supply of H/w & S/w for DWDM QSFP-DD ZR+	As we understand this is for router side requirements. For WDM ROADM side requirement , customer will provide both hardware , Software & mother card if any.	For scope clarity	It will be as per Tender document.
85	Page 18 of 198	CHAPTER-3	Detailed Bill of Material (BOM) format against each Supply Items (Schedule-A) and AMC Item (Schedule-C) (Format-I)	1.3 Supply of H/w & S/w for QSFP 28 LR4	As we understand this is for router side requirements. For WDM ROADM side requirement , customer will provide both hardware , Software & mother card if any.	For scope clarity	It will be as per Tender document.
86	2	OPEN E-TENDER NOTICE	(c.)	-	₹ 87,85,800/- (including GST) to be made in favour of RailTel Corporation of India Ltd. online through e-nivida Portal.	We request you to allow submission of EMD in form of Bank Guarantee. Please provide BG format for EMD and also advise EMD validity period.	It will be as per Tender document.
87		1	2	-	A sum of ₹ 87,85,800/- submitted online on RailTel enivida portal is herewith forwarded as "Earnest Money". The full value of Earnest Money shall stand forfeited without prejudice to any other rights or remedies if,		It will be as per Tender document.
88	15	2	Note / Pt:11		The Bidders are required to meet all eligibility criteria including Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened	Field PoC for all participating OEMs and bidders would make tech evaluation very lengthy and time taking process. For technical evaluation purpose, we request RailTel to consider LAB PoC. Moreover, RailTel must conduct a field PoC post outcome of financial bid evaluation with commercially lowest bidder. Hence, we request to change the clause: The Bidders are required to meet all eligibility criteria including LAB Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened. Commercially lowest bidder would also need to go through field PoC as mentioned in the RFP prior to award of the contract.	It will be as per Tender document.

89	17	2	Information to Bidder for Compliance	2	The Tenderer/bidder should be an Original Equipment Manufacturer (OEM) or authorized representative of OEM as specified in clause No 4.A.14.2 of Tender.	<p>1. As per tender terms Bidder should be either OEM or authorized representative of OEM"</p> <p>2. As per Point no 8, Clause no 4.A.14.1 "Bidder has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter- 5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies."</p> <p>As bidder could be authorized representative of OEM. This requirement may be met by either bidder or OEM.</p> <p>You are requested to amend this requirement as: "Bidder/OEM has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter- 5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government</p>	Clause 4. A. 14.1 eligibility to be met by the bidder and Clause 4. A.14.2 eligibility to be met by the OEM respectively.
90	73	4	4.A.14.1	8	Bidder has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter- 5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies.		Please read Corrigendum, Point-2
91	47	CHAPTER-3	3.E.2	3	Continuous online training during installation, warranty & AMC phase	Kindly confirm if this is linked to the clause no 3.E.1 for training of 40 (Man Weeks) personnel of RailTel/Engineer and covered under the same 40 man weeks training.	40 (Man weeks) personnel are required to be provided for training by the selected bidder. Continuous online training during installation, warranty & AMC phase will be provided by the resident Engineer deployed at CNOC for the entire project duration.
92	55	CHAPTER 4	4.A.3.3		Value of PBG will be @10% of the total value of LOA for AMC of five years or as per Government of India guidelines applicable at the time of issue of LOA for AMC. This PBG of AMC shall be submitted by the bidder within 30 days from the date of issue of LOA for the AMC. In case bidder does not submit the PBG in the stipulated time period, RailTel may encash the PBG given with the original LOA.	We request you to kindly allow the bidder to submit the AMC PBG on Yearly bases for the respective AMC amount under obligation. Bidder will provide the amended /adjusted AMC PBG on year on year bases.	It will be as per Tender document.
93	58	CHAPTER 4	4.A.5.1.1		75% payment of the value of the hardware items against LOA/PO would be made on receipt of material by the consignee (at site /the stores, to be decided by RailTel) duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:	Kindly modify the term "hardware" with the "supply" . The supply may be inclusive of hardware and software parts.	It will be as per Tender document.
94	168	Annexure-II	Note: (i)		Total 400G Links for T1 to T1 =64 Nos and bidder is required to offer QSFP DD optics/Transponder for these 64 Links	For T1-T1 links, considering 64 links and 1+1 routers at each location, 400G ZR+ SFPs total Qty = 256 (64*2*2) to be supplied. Kindly clarify.	Yes Qty 256 (64*2*2) to be supplied, Please read Annexure-II of Chapter-7 and Clause 8.1.3.9 of Chapter-8

95	173	Annexure-II	16		Coherent Optics/Transponder Performance monitoring Coherent Optics should be able to provide performance monitoring parameters such as: OSNR Tx/Rx Power threshold crossing Bit Error Rate FEC	For measuring OSNR, OSA is required as Optics cannot measure this parameter. So request you to kindly delete this clause "OSNR" from the requirement.	OSNR will be measured using inbuilt OSNR function in Optics/Transponder.
96	177	8	8.1.2 Capacity Planning / Pt:3		Tier-3: 12 Nos and equipped with 6x QSFP28 100G (10km) optics. In case of LR (Single lambda) optics, Bidder shall also provide additional MSA compliant optics for other end equipment's (6xQSFP28 100G LR1)	We understand that these additional 6 x QSFP28 100G LR1 SFPs are only to be considered for only 26 T3 locations where existing routers are already installed. Kindly clarify.	It will be applicable for all Tier-3 locations
97	178	8	8.1.3.7		Coherent optics/Transponder System must support following Back-to-Back OSNR to meet PoP Requirement: 2) 200G 16-QAM or equivalent ~30GBd 19.5dB 3) 200G 8-QAM or equivalent ~40GBd 17.5dB 4) 200G DP-QPSK or equivalent ~60GBd 15.5dB 5) 300G 8-QAM or equivalent ~60GBd 20dB	As RailTel is intending to do subrating to cover longer distances, Pt:2) and Pt3) are contradictory whereas Pt4) is apt. Pt2) 200G/19.5dB OSNR and Pt3) 200G/17.5dB OSNR cite very high OSNR rates which is going to be operationally inefficient & difficult for RailTel to manage and maintain. Whereas Pt4) 200G/15.5dB OSNR is suitable for RailTel with low OSNR requirement such that it can cover higher distances. Hence, we request RailTel to make Pt2) & Pt3) deployment models as deleted/optional.	It will be as per Tender document.
98	178	8	8.1.3.6		Bidder must offer license-based Capacity upgrade	All the links for proposed T1-T3 network are going to be built on 400G ZR+ optics hardware which supports 400G throughput capacity and can run links on substrates of 100G, 200G etc. We understand from the RFP that as per their business requirement, RailTel must have the liberty to utilize and upgrade the network links procured in the RFP without any interface usage, bandwidth, time based capping. Also inline with clause as per "Pg:15 / Note: #7", "Any license fee required to be paid for hardware & software during the life cycle of the equipment shall be included in the rate quoted by the tenderer. There shall be no post contractual liability of license fee on RailTel for hardware & software supplied by tenderer". Hence, we understand that all the licenses for capacity upgrade from 100G to 400G must be available to RailTel from Day-1. RailTel must be free to upgrade it's network from 100G->200G and so on to 400G without any intervention or commercial implication from the bidder. Kindly clarify the clause by	Please read Corrigendum, Point-29

99	187	8	8.2.6.1		RFC 3446, Anycast Rendezvous Point (RP) Mechanism using Protocol Independent Multicast (PIM) and Multicast Source Discovery Protocol (MSDP)	We request to modify the clause as follows: RFC 3446, Anycast Rendezvous Point (RP) Mechanism using Protocol Independent Multicast (PIM) OR Multicast Source Discovery Protocol (MSDP)	Please read Corrigendum, Point-8
100	15	2	Note/Pt:11	The Bidders are required to meet all eligibility criteria including Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened	Field PoC for all participating OEMs and bidders would make tech evaluation very lengthy and time taking process. For technical evaluation purpose, we request RailTel to consider LAB PoC. Moreover, RailTel must conduct a field PoC post outcome of financial bid evaluation with commercially lowest bidder. Hence, we request to change the clause as: The Bidders are required to meet all eligibility criteria including LAB Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened. Commercially lowest bidder would also need to go through field PoC as mentioned in the RFP prior to award of the contract.		It will be as per Tender document.
101	168	Annexure-II	Note: (ii), (iii)	(ii) Total 100G Links for T1 to T2 & T3, T2 to T3, T2 to T2 & T3 to T3 =236 Nos and bidder is required to offer QSFP DD optics/Transponder for these 236 Links. (iii) In addition to above, 236 links, bidder shall also provide additional QSFP-DD optics/Transponder based solution for additional 11 numbers of 100G Links for Tier-2 & Tier-3 locations for Link engineering purpose at CNOC	For T1-T2/T3, T2-T2/T3, T3-T3; considering 236 + 11 links and 1 router at each location, 400G ZR+ SFPs total Qty = 494 [2*(236+11)] to be supplied. Kindly clarify.		Yes , Qty 494 [2*(236+11)] to be supplied . Please read Annexure-II of Chapter-7 and Clause 8.1.3.10 of Chapter-8
102	73	Technical Capability-2	4.A.14.1 Eligibility Criteria Requirements for Bidders:	Bidder has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies.	We request you to kindly amend this clause as below: Bidder has successfully Supply & commissioned and working satisfactorily minimum number of IP-MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter5) (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies.	The Core solution of RFP is IP-MPLS Routers; Currently in TC-2 IP/MPLS Router experience asked and not for Supply only for Commissioning. For betterment of RFP we request you to please consider IP-MPLS Router Supply & Commissioning Experience for Bidder.	It will be as per Tender document.
103	115	BDS / Point-8	Number of IP/MPLS 100 Gbps (Full Duplex) nodes –49	Number of IP-MPLS 100 Gbps (Full Duplex) nodes –40	All Routers are IP; as core scope of this RFP we request you to please consider IP-MPLS Router experience; We request you to please consider min 40 100G IP-MPLS Routers STIC at the time of bid submissions.		It will be as per Tender document.

104	15	2	Note/Pt:11	The Bidders are required to meet all eligibility criteria including Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened	Field PoC for all participating OEMs and bidders would make tech evaluation very lengthy and time taking process. For technical evaluation purpose, we request RailTel to consider LAB PoC. Moreover, RailTel must conduct a field PoC post outcome of financial bid evaluation with commercially lowest bidder. Hence, we request to change the clause as: The Bidders are required to meet all eligibility criteria including LAB Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened. Commercially lowest bidder would also need to go through field PoC as mentioned in the RFP prior to award of the contract.		It will be as per Tender document.
105	10	2	SCHEDULE OF REQUIREMENT (SOR)	Schedule-A–Supply	SDN is mentioned in the technical specifications however not available in SOR items. Kindly clarify.		Please refer Breakup as mentioned in Format-I (Page-17 of Tender) of SOR. Bidder to provide the Breakup of all the items including SDN Controller. Amount for SDN controller may be filled in the available SOR supply items.
106	14	2	Note/Pt:4	Bidder has to quote single make and model for each SOR Item. All the Routers, Router Coherent optics, SDN Controller shall be of the same make (OEM)	SDN software is understood to be supplied by Routing OEM. We understand that the servers/compute/storage/OS etc for deploying the SDN software is in RailTel scope. Kindly clarify		Hardware and Software for SDN Controller is in Bidders Scope.
107	15	2	Note/Pt:11	The Bidders are required to meet all eligibility criteria including Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened	Field PoC for all participating OEMs and bidders would make tech evaluation very lengthy and time taking process. For technical evaluation purpose, we request RailTel to consider LAB PoC. Moreover, RailTel must conduct a field PoC post outcome of financial bid evaluation with commercially lowest bidder. Hence, we request to change the clause as: The Bidders are required to meet all eligibility criteria including LAB Proof of Concept (POC) mentioned in this tender document. Financial bid of only those bidders who have successfully completed POC and those who are technical eligible, will be opened. Commercially lowest bidder would also need to go through field PoC as mentioned in the RFP prior to award of the contract.		It will be as per Tender document.

108	70	CHAPTER 4	<p>Technical Capability-1: The Bidder must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works# each costing not less than the amount equal as mentioned in BDS (Chapter-5, Section-1), or Two similar works# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-1), or One similar work# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-1). For Start-ups (recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry),the bidder should have completed in last three financial years plus current year upto the date of opening of tender : Single order of similar work# for an amount as mentioned in BDS (Chapter-5, Section-1) OR Two orders of similar work# for an</p>		<p>4 Request you to kind amend this clause as: The Bidder must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works# each costing not less than the amount equal as mentioned in BDS (Chapter-5, Section-1), or Two similar works# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-1), or One similar work# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-1). For Start-ups (recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry),the bidder should have completed in last three financial years plus current year upto the date of opening of tender : Single order of similar work# for an amount as mentioned in BDS (Chapter-5, Section-1) OR Two orders of similar work# for an amount as mentioned in BDS (Chapter-5, Section-1) OR Three orders of similar work# for an amount as mentioned in BDS (Chapter-5, Section-1) Note: (i) In case of Consortium, Lead bidder/any consortium partner should meet the eligibility criteria as defined in Clause 4.A.15. (ii) In case of JV, requirement to be met as per Clause no. 4.A.15.14.15 of Tender document.</p>	<p>The specified clause pertaining to project experience required for the tender appears to be excessively stringent. This clause restricts the pool of potential bidders, limiting competition and potentially resulting in higher costs. We respectfully request you to kindly amend this clause, as this adjustment would encourage maximum participation, promote competitiveness, and ultimately lead to lower costs.</p>	<p>It will be as per Tender document.</p>
109	73	CHAPTER 4	<p>Technical Capability-2: Bidder has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter-5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies. Note: Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, 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. AND its subsequent Clause in BDS</p>		<p>8 Request you to kind amend this clause as: Note: (i) In case of Consortium, Lead bidder/any consortium partner should meet the eligibility criteria as defined in Clause 4.A.15. Bidder/Consortium Partner has successfully commissioned and working satisfactorily minimum number of IP/MPLS of 100 Gbps (Full Duplex) nodes (as mentioned in BDS Chapter-5) for at least 12 months (during last 07 (seven) years, ending last day of month previous to the one in which tender is invited) in any Government department or Public Sector Units or public listed companies. Note: Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, 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. AND its subsequent Clause in BDS</p>	<p>The specified clause pertaining to project experience required for the tender appears to be excessively stringent. This clause restricts the pool of potential bidders, limiting competition and potentially resulting in higher costs. We respectfully request you to kindly amend this clause, as this adjustment would encourage maximum participation, promote competitiveness, and ultimately lead to lower costs.</p>	<p>It will be as per Tender document.</p>

110	64	4	4.A.8.6	Penalty Penalties shall be calculated and is to be deducted from the Annual Maintenance Charges on quarterly basis. Overall penalty in a quarter shall not exceed 15% of the due amount of the quarterly AMC work executed by the Bidder.	We request the authority to keep overall penalty in a quarter at 10%.	Generally 10 % penalty is the standard practice in a project.	It will be as per Tender document.
111	69	4	4.A.14.1	Eligibility Criteria Requirements for Bidders: -----	We request tendering authority to kindly allow either of the consortium partners to meet the defined eligibility criteria.	As per the tender terms "All partners of the consortium shall be jointly and severally liable to RailTel for the execution of the entire contract in accordance with its terms." so in that scenario either of the consortium partner should be able to meet the defined eligibility criteria.	It will be as per Tender document.
112	80	4	4.A.15.2	The Lead bidder should meet the eligibility criteria. In their own interest the tenderers, who form such consortia, are advised to investigate capabilities, availability of resources, experienced personnel, financial soundness, past experience and concurrent engagements of Constituting partners.	We request tendering authority to kindly allow either of the consortium partners to meet the defined eligibility criteria.	As per the tender terms "All partners of the consortium shall be jointly and severally liable to RailTel for the execution of the entire contract in accordance with its terms." so in that scenario either of the consortium partner should be able to meet the defined eligibility criteria.	It will be as per Tender document.
113	115	5	Clause 4.A.14.1, Chapter-4-A, (Section-I)	Point-8– Technical Capability-2 Number of IP/MPLS 100 Gbps (Full Duplex) nodes – 49	We request the tendering authority to relax this clause by allowing OEM/Bidder should meet the technical capability-2.	Since the same experience is sought for the OEM in the tender, we request the tendering authority to relax this clause by allowing OEM/Bidder should meet the technical capability-2.	It will be as per Tender document.
114	115	5	Clause 4.A.14.2, Chapter-4-A, (Section-I)	Point-1 - B – Number of IP/MPLS 100 Gbps (Full Duplex) nodes - 49	We request the tendering authority to relax this clause by allowing OEM/Bidder should meet the technical capability-2.	Since the same experience is sought for the OEM in the tender, we request the tendering authority to relax this clause by allowing OEM/Bidder should meet the technical capability-2.	It will be as per Tender document.
115	General			General	Request the authority to provide format for: 1. Power of Attorney for signing authority 2. Power of Attorney for signing authority of lead bidder in a consortium/JV	Generally every tender provides their own format for power of attorney.	1. For POA, please read clause 4.A.37. No tender specific format is provided in Tender document. 2. For JV and Consortium, please refer Form no. 11 & 12, Chapter-6 of Tender document.
116	178	8	8.1.3.6		Request RailTel to relax this requirement.	Capacity based license for device is available however capacity based license for Coherent is not possible because reducing the capacity means driving more distance. Hence, full capability of the Optics will always get utilized.	It will be as per Tender document.

117	23	3	3.A.1.4.1	Note: 1	In case of external Transponder option for existing Tier-3 sites we understand that 4x100G LR4 Optics & any additional resources like Ports, cards etc on the existing Routers would be provided by RailTel.	Need clarity to prepare the BoQ	It will be as per Tender document.
118	23	3	3.A.1.4.1	Note: 2	In case of external Transponder option for existing Tier-3 sites we understand that 4x100G LR4 Optics & any additional resources like Ports, cards etc on the existing Routers would be provided by RailTel.	Need clarity to prepare the BoQ	It will be as per Tender document.
119	24	3	3.A.1.4.6		Request RailTel to relax this requirement considering the fully loaded traffic conditions & Ambient Temperature	Typical Power assumption is generally misleading as definition of each OEM is separate as each OEM tests their devices as Typical Power on different parameters like Fully Loaded/With Traffic or without traffic/ Operating temperature/ IMIX traffic etc. Hence would lead to confusion	It will be as per Tender document.
120	24	3	3.A.1.4.7	ii.	Request to relax the requirement for Cross Domain, Topology based Corelation Engine	These are the custom efforts & often not available by default. Capabilities are available in Solution however it will require Custom efforts by both DWDM & IP vendor.	It will be as per Tender document.
121	25	3	3.A.1.4.9		We understand that OEM needs to provide inputs for the Link Budget calculation. However Optical Planning Tool is not in scope of Bidder.	As IP Vendors do not have Optical Planning Tool, request RailTel to use their existing planning tool in this case.	Please read Corrigendum, Point-1
122	175	8	8.1.11		Kindly allow Roadmap for the same.	Certificate to be provided before FAC.	It will be as per Tender document.
123				4.A.10.1.1	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 goods will be issued by purchaser to supplier and risk of goods shall remain with supplier until the issue of PAC by CNOC In-charge/RailTel through its concerned ED/GGM/GM. Insurance policy has to be kept valid by the contractor till issue of PAC by CNOC In-charge/RailTel through its concerned ED/GGM/GM	We request you to amend the insurance clause as Insurance will be only till first point of delivery by the bidder. And also insurance company will not provide insurance till PAC so we request you to remove this clause. Insurance company will not do the insurance from Bidder perspective. it has to be considered by the tenderer - as if any claims arises (post Targus Delivery at 1st point of site.) railtel can claim it. Targus cannot claim any damages.	It will be as per Tender document.
124							It will be as per Tender document.
125			4.A.4		Change in Timelines	Change in Timelines	It will be as per Tender document.
126					All the Bidders/OEM are required to deposit Tender Cost and EMD amount as mentioned in NIT and BDS through e-Nivida Portal as —Tender Cost & —Earnest Money”. Tender cost and EMD in no other form shall be accepted. Offers without applicable EMD amount and tender cost shall be summarily rejected.	We request you to kindly accept the EMD in the form of BG also.	It will be as per Tender document.
127			Page no 17-20	Detailed Bill of Material (BOM)	In page no 20 in the details BOM under schedule C I (a) (iii) AMC for Item Number 3 However, in the Schedule A there no Item no 3 Please clarify		Bidder to give the Breakup of AMC items as given in Format-I. However, total yearly amount has to be mentioned at SOR Item no. 1 of Schedule-C i.e. AMC.

128			Clause 8.1.3.20		"8.1.3.20 Coherent optics or Transponder must support following Performance monitoring parameter and configurable TCA reporting PM Parameters Description iii. LBC Sets the LBC (laser bias current) threshold or TCA reporting status in mA. vii. PCR Sets the PCR (polarization change rate) threshold or TCA reporting status. viii. PDL Sets the PDL (polarization dependent loss) threshold or TCA reporting status. x. SOPMD Sets the SOPMD (second order polarization mode dispersion) threshold or TCA reporting status. xiii. PostFEC BER Sets the post-FEC BER threshold or TCA reporting status."	All these parameters are provided in datasheet by OEM as part of supported features in the solution. These are applicable for the entire line-system and hence monitoring alarms or configuring TCA from router is going to be partial/misleading information. Hence we request that these values be requested from OEMs for sub mission and not as configurable TCA.	Please see Corrigendum Point-14
129			14	2	Bidder must validate all the quantities quoted in their technical solution proposed supported by calculations, datasheets and design documents as same would be required for the technical evaluation of the offer. Bidder would be responsible for ensuring the complete system is operational and meeting the requirements as mentioned in the tender document.	Kindly allow solution document during technical evaluation, instead of design document HLD/LLD is required during implementation phase	Please see Corrigendum Point-19
130			172	7	Traffic Protection Test (LOS (Fiber Cut)) & Signal Degrade/ Pre-FEC BER Signal Failure):	Kindly change as below "Traffic Protection Test (LOS (Fiber Cut))/ Signal Degrade/ Pre-FEC BER Signal Failure): In Live network, it is not feasible to create Signal Degrade or PreFEC BER scenario for traffic protection test.	Please see Corrigendum Point-20
131			115	Clause 4.A.14.2 of Chapter-4-A, SECTION-I CHAPTER- 5 BID DATA SHEET (BDS)	Point-2 – Eligibility Criteria Requirements for OEM's – (i) Router - ₹ 26,05,57,848 (ii) Router's Coherent Optics/Transponder Solution – ₹ 30,54,96,482	SFP's prices are always bundled with Router. Getting PO only with SFP value is not feasible as none of the customers procure SFP's independently. Hence our request is to club point no (i) & (ii) & ask for a PO value of 566054330 Cr INR	Please see Corrigendum Point-26
132			24	3.A.1.4.3	Existing OADM sites equipped with 8 Channel Mux/De-mux (minimum) with 100 GHz channel spacing or OADM (ROADM) sites equipped with 40 Channel Mux/Demux (minimum) with 100 GHz. RailTel will ensure 75GHz passband (in Mux/Demux & ROADM) for Alien Wavelength	We understand that third party DWDM line system mux/dmux will minimum provide 75GHz passband @3dB. Kindly confirm. Also, we request Railtel to share min. bandwidth @0.5dB for third party Mux/Dmux.	RailTel will ensure 75GHz passband @3dB (in Mux/Demux & ROADM) for Alien Wavelength with bandwidth @0.5dB.
133			33	3.B.1.4.1	IP Network Architecture for Tier-1	ADI is the site mentioned as Tier-1 in the topology but not seen as a location in Tier-1 location table, Kindly confirm if ADI is T-1 or T2 site?	ADI is Tier-2 Site
134			44	3	Test Name	Segment routing is proposed to simplify network by avoiding additional protocols like RSVP / LDP, this will help us to reduce Control plane states and enable next gen programmability. Recommend replacing RSVP with Segment Routing, SR Network can interwork with LDP using SR-MS functionality.	It will be as per Tender document.

135			44	4	Test Name	Segment routing is proposed to simplify network by avoiding additional protocols like RSVP / LDP, this will help us to reduce Control plane states and enable next gen programmability. Recommend replacing RSVP with Segment Routing, SR Network can interop with LDP using SR-MS functionality.	It will be as per Tender document.
136			44	13	Test Name	Can we showcase this using TWAMP.	It will be as per Tender document.
137			172		LDP over RSVP	Ciena recommends to use latest gen protocol like Segment Routing, which will add simplicity to the network & also help to automate provisioning, so LDP can still work in underlay network & we will have LDP-SR interworking with mapping server functionality. So kindly confirm if we can use SR as an alternate solution?	It will be as per Tender document.
138			174		SDN Controller: Bi-directional LSP creation(Dynamic & ERO) based on RSVP	SDN controller will orchestrate SR tunnels as well as RSVP tunnels is the ask? whereas Ciena recommend to remove RSVP from the network to have simplified network, this will also help to have single controller to orchestrate SR tunnels.	It will be as per Tender document.
139			177	6	Capacity Planning	For Tier-1, Non-blocking packet switching throughput (In full duplex) capacity asked is 9.6Tb, but if we calculate port asked capacity then it is coming out to be 10.4Tb, so we have to reduce 2x400G interfaces or 8x100G interface to get Non blocking 9.6Tb switch fabric capacity.	It will be as per Tender document.
140			177	6	Capacity Planning	For Tier-3, Non-blocking packet switching throughput (In full duplex) capacity asked is 2.4Tb, but if we calculate port asked capacity then it is coming out to be 2.64Tb, so we have to reduce 1x400G interfaces or 6x100G interface to get Non blocking capacity of <2.4Tb switch fabric capacity.	It will be as per Tender document.
141			177	8.1.3.2	Minimum Tx power of Coherent optics must be 0dBm to ensure output is connected to existing Mux/Demux	we understand that Tier1/2/3 devices will connect to underlay DWDM system with amplifiers, so coherent optics with launch power < 0dbm should work & should be allowed. Kindly confirm.	It will be as per Tender document.
142			178	8.1.3.9.ii	For Day#1, Tier 1 PoP Optics requirement, Bidder must supply 2x400G Coherent Optics channel hardware for each direction with 200G capacity license as per network topology	So the connectivity with DWDM for all directions will be over 200G line rate or 400G, kindly confirm	It will be as per Tender document.
143			179	8.1.3.12	Space Consideration	For Tier-3, please allow to use 2U product positioning considering the Port & capacity requirement.	Please see Corrigendum Point-31

144			189	34	The router shall support Virtual Router Redundancy Protocol (VRRP) as per IETF RFC 3768	Functionality to use VRRP can be implemented with different workaround, so Ciena will implement this ask with alternate solution. So hope alternate solution will be acceptable.	It will be as per Tender document.
145			191	39 (C)	OSPF V3	Ciena recommend to use ISIS as a IGP protocol for IPv4 & IPv6, this is will avoid running multiple protocol for IPv4 & IPv6 or migrations.	It will be as per Tender document.
146			191	39 (E)	VRRPv3	Functionality to use VRRP can be implemented with different workaround, so Ciena will implement this ask with alternate solution. So hope alternate solution will be acceptable.	It will be as per Tender document.
147			191	40 (C)	Rendezvous Point (RP) - ability to be configured as an RP	we understand that for multicast traffic delivery using alternate multicast protocols like PIM-SSM / NG-MVPN can also be used to deliver end to end MC traffic over this network, Kindly confirm.	Please see Corrigendum Point-33
148			191	40 (F)	RFC 3446, Anycast Rendezvous Point (RP) Mechanism using Protocol Independent Multicast (PIM) and Multicast Source Discovery Protocol (MSDP).	we understand that for multicast traffic delivery using alternate multicast protocols like PIM-SSM / NG-MVPN can also be used to deliver end to end MC traffic over this network, Kindly confirm.	Please see Corrigendum Point-8
149			191	40 (g)	RFC 3618, Multicast Source Discovery Protocol (MSDP)	we understand that for multicast traffic delivery using alternate multicast protocols like PIM-SSM / NG-MVPN can also be used to deliver end to end MC traffic over this network, Kindly confirm.	Please see Corrigendum Point-18
150			191	41	The Router should support BGP Flow Spec to rapidly deploy and propagate filtering and policing functionalities for protection against DDOS	we understand this functionality but this can be implemented with alternate methodologies?	Please see Corrigendum Point-34
151			188		The SDN controller must be deployed on a single physical server/virtualized server and supports 1000 equivalent Nes.	we understand that cluster based configuration can be proposed & with multiple VM support on single server may lead to very high end server requirement, so Ciena recommend to use multiple servers / VM based deployment architecture, Kindly confirm.	Please see Corrigendum Point-32

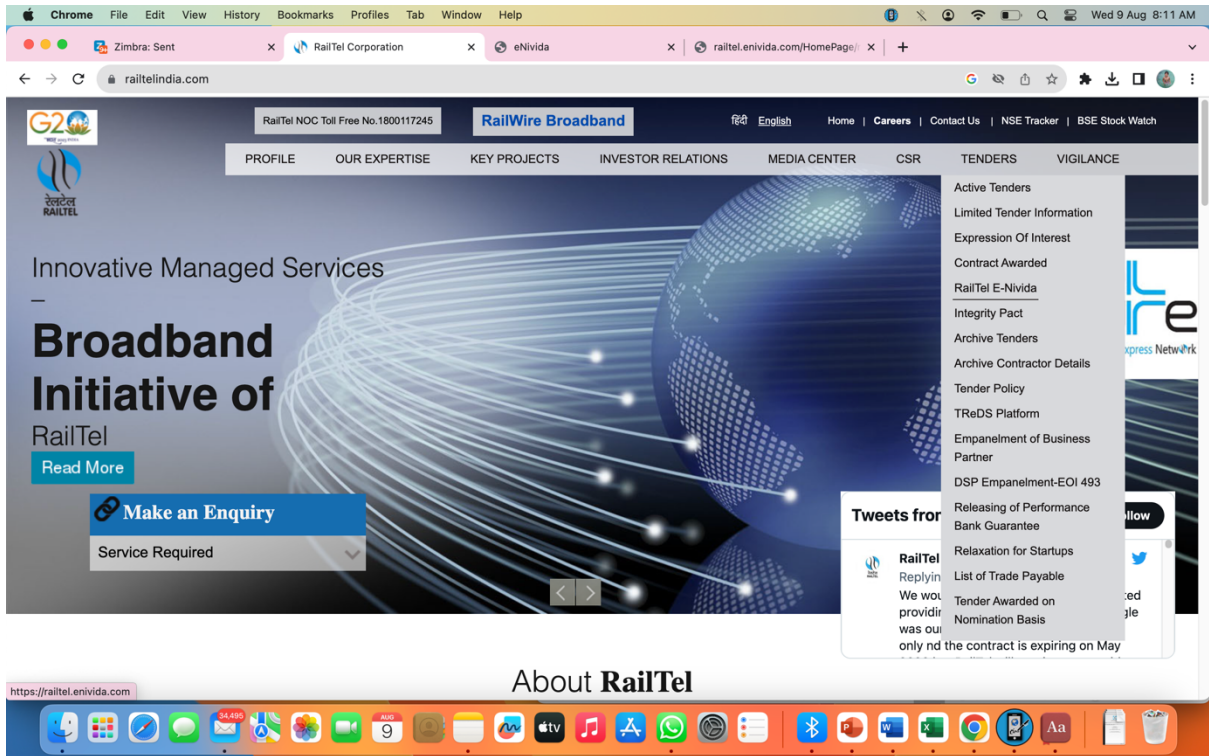
152			188		The SDN controller should be able to manage RSVP-TE LSPs, SR-TE LSPs policies at the same time	Segment routing is proposed to simplify network by avoiding additional protocols like RSVP / LDP, this will help us to reduce Control plane states and enable next gen programmability. Recommend replacing RSVP with Segment Routing, SR Network can interop with LDP using SR-MS functionality.	It will be as per Tender document.
153			52	4.A.2.4.5.1	The replacement for defective part will be arranged by the contractor on next business day support at the Fault site/ location and the faulty equipment/cards/accessories will be handed over to him. The penalties mentioned in below will be applicable for not replacing the faulty part within 4 (four) working days.	The clause is asking for the 'replacement' in NBD. Same clause mentions about replacing the faulty card in 4 hrs. We request your goodself to kindly explain the process and word "replacing" which appear in the clause.	It will be as per Tender document.
154			55	4.A.4	Phase-wise Delivery/Implementation timelines	As this is a prestigious Project of M/s Railtel. We request you to kindly provide 06 (Six) months for the delivery of the project in place of 04 (four) months. Subsequently add 02 (two) months in following timelines. Kindly Confirm.	It will be as per Tender document.
155			103	4.A.47.6	In case, more than one bidder has offered same Make and Model of their Router/Transponder based solution, based on Bidder's request, RailTel may conduct single POC for bidder's offered solution.	We under that one OEM can offer their equipment to ONLY one Bidder/ SI. Kindly Confirm.	It will be as per Tender document.
156			178	8.1.3.7	Coherent optics/Transponder System must support following Back-to-Back OSNR to meet PoP Requirement	We understand that proposed Coherent Optics B2B OSNR tolerance value(s) shall be better (less than or equal to) the specified value(s) as per table of this clause. Kindly confirm	Back-to-Back OSNR defined in clause is Minimum
157			3	3.A.1.4.1	In case of external Transponder option/ Tier-3 Router Options, for existing Tier-3 sites we understand that 4x100G LR4 Optics & any additional resources like Ports, cards etc on the existing Routers would be provided by RailTel.	Need clarity to prepare the BoQ	It will be as per Tender document.
158			3	3.A.1.4.9	We understand that OEM needs to provide inputs for the Link Budget calculation. However Optical Planning Tool is not in scope of Bidder.	As IP Vendors do not have Optical Planning Tool, request RailTel to use their existing planning tool in this case.	It will be as per Tender document.
159			3	3.A.1.4.10.3	Need clarification whether requirement is for Bandwidth Planner or Optical Link Budget Planner	Need clarification whether requirement is for Bandwidth Planner or Optical Link Budget Planner	It will be as per Tender document.
160			4	4.A.14.2	Request Railtel to modify the Eligibility Criteria for OEM based on consolidated value of Router plus Coherent Optics and its supporting Cards & software through multiple Purchase Orders. Coherent Optics must be a part of atleast one Purchase Orders out of multiple Purchase Orders.	As Router+ Optics are complementing & work together. Also For successful deployment of the solution, Router and Optics gets deployed from same OEM.	Please see Corrigendum Point-26

161			6	Form No. 3	Request Railtel to allow OEM to suggest alternate Partner in case the Bidder fails to fulfill the Support Obligation due to any Un-foreseen circumstances.	Same has been agreed by RailTel in Earlier Tenders also.	Please see Corrigendum Point-27
162			8	8.1.11	Request Railtel to allow Router or Router OS/Series/Family to allowed for EAL2/NDPP Certification	OEM does not qualify there all products for each certification as there are dedicated efforts invoooved for the certification. However, some of the series or products go for qualification.	Please see Corrigendum Point-28
163			8	8.1.3.6	Request RailTel to relax this requirement.	Capacity based license for device is available however capacity based license for Coherent is not possible beacause reducing the capacity means driving more distance. Hence, full capability of the Optics will always get utilized.	Please see Corrigendum Point-29
164			8	8.1.3.12	Request to allow 850W instead of 800W	Higher Density Devices requires more Colling hence more Power is required.	Please see Corrigendum Point-30
165				19 (xvii)	Router should support Segment Routing and Segment Routing Traffic Engineering (SR-TE), SR PCEP, Segment Routing for IPv6, On demand next hop, Any cast SID, binding -segments and BGP-LS with support of minimum 8 label depth.	As per uniformity in clause 4 (d)	Please see Corrigendum Point-21
166				20 (i)	Router should have support of Ethernet VPN (EVPN with single homing, multi-homing)	As this feature would not be needed, as the core network architecture is mesh in nature	Please see Corrigendum Point-22
167				20 (ii)	Router should have support of following features on EVPN: EVPN-IRB , EVPN VPWS, EVPN VPWS Preferred Path over SR-TE Policy	As this feature would not be needed, as the core network architecture is mesh in nature	Please see Corrigendum Point-23
168				27	d) Dual Rate Three Color (2R3C) Policer RFC 2697	Most of QoS deployments are done with Dual Rate 3 Color (2R3C) configuration.	Please see Corrigendum Point-24
169				38	Kindly delete	As this feature would not be needed, as the core network architecture is mesh in nature	Please see Corrigendum Point-7
170				40	we would request to modify IGMP snooping v2/v3 or IGMpv2/v3	Since these is a Core device, snooping is not needed.	Please see Corrigendum Point-25
171				4.A.14.2 Point 2	Kindly allow to OEM to submit combined eligibility ₹ 56,00,00,000		Please see Corrigendum Point-26
172			8.2.6.1	7.iv.(c)	Request to allow Humidity: 5% to 90% (non-condensing)		Please see Corrigendum Point-38
173			8.2.6.1	10	Request to allow "Alerts for environmental or other hardware-based alarms should be visibly implemented on the chassis or through CLI alarms."	Environmental related alarms are generally provided through CLI in IP devices	Please see Corrigendum Point-39
174			8.2.6.1	14(b)	Request Railtel to allow "Router or Router OS/Series/Family should be tested and certified for EAL 2 / NDPP (Network Device Protection Profile) or above under Common Criteria Program for security related functions or under Indian Common Criteria Certification Scheme (IC3S) by STQC, DEIT, Govt. of India."	OEM does not qualify all products for each certification as there are dedicated efforts invoooved for the certification. However, some of the series or products go for qualification.	Please see Corrigendum Point-40

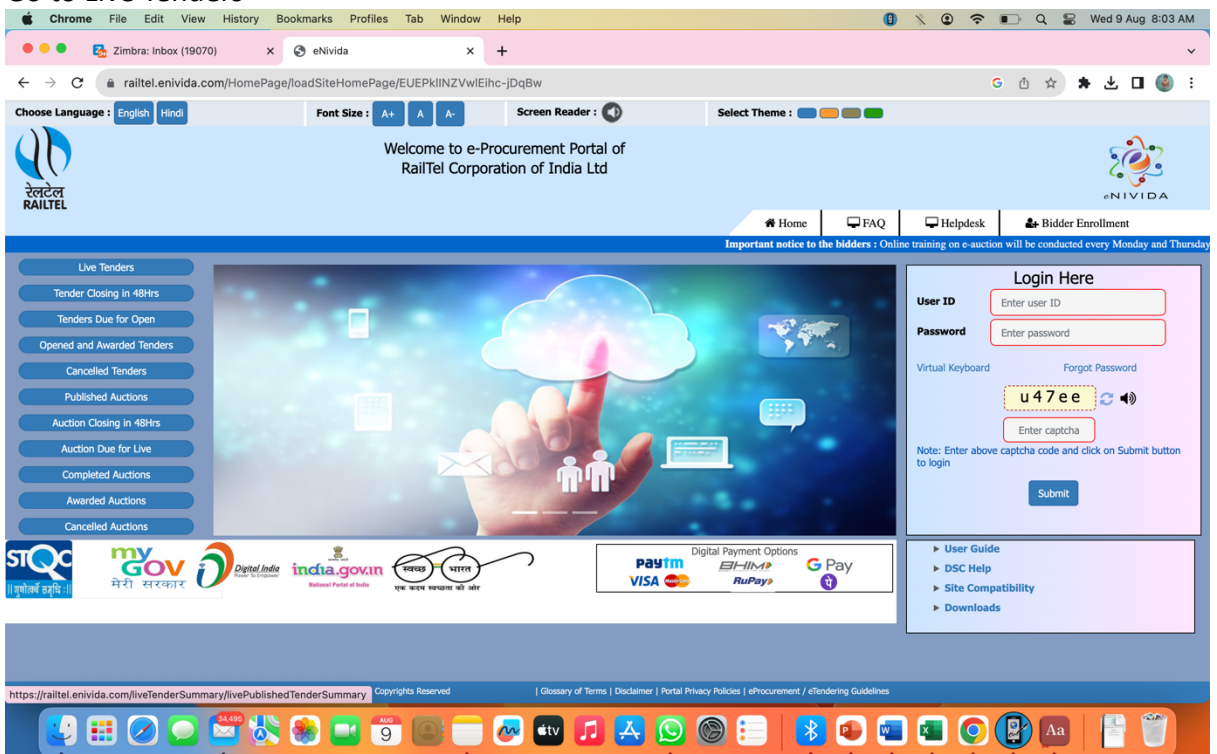
175			8.2.6.1	38	Request Railtel to make this clause Optional	As newer/better open standard option such as ESI-LAG is available	Please read Corrigendum, Point-7
176			Schedule-A Supply	2.4	Kindly share the split of QSFP28 LR4 split for T2 & T3 Locations	This will be required in case to provide LR1 Optics instead of LR4 for T3 Location	QSFP28 LR4 optics is required for T1 & T2 Locations only
177			3.A.1.4.1	Note: 3	In case of Tier-3 Router Options, Since we understand that 4x100G Client side Grey connectivity is required, whether 4x100LR Optics can be provided or 6x100G Optics are required on T3 Router as per Specifications given in the Tender for T3 Router.	Need clarity to prepare the BoQ	In case of Tier-3 Router Option, 6x QSFP28 100G (10km) optics is required . In case of LR (Single lambda) optics, Bidder shall also provide additional MSA compliant optics for other end equipment's (6x QSFP28 100G LR1) as per Specifications given in the Tender for T3 Router..
178			8.1.2		Request RailTel to allow capacity based license for Routers based on actual Port Speeds configured on Routers. for E.g. in case of T1 Routers switching capacity is 9.6T and License would be 7.2T(16X400G ports operating at 200G + 8X400G grey ports + 8x100G QSFP28)	This will allow RailTel to save on the CapEX.	It will be as per Tender document.
179			8.1.2	2	Request RailTel to allow 400G-DAC of 1M/2.5M length for Back to Back connectivity in Tier 1 Locations instead of QDD-400G 2Km Optics	This will help RailTel to reduce the requirement of Optics on both the ends. Also DAC consumes 1.5W against 12W of FR Optics. Hence, helps to save CAPEX & OPEX for RailTel.	It will be as per Tender document.
180			8.2.6.1	4.(i)	Request RailTel to allow L3VPN scale less than or equal to 30.	L3VPN services does not get terminated on Core Routers, Hence higher L3VPN count would not be required	It will be as per Tender document.
181			8.2.6.1	19.i	Request Railtel to make this clause Optional		Please read Corrigendum, Point-41
182			8.2.6.1	19.vii	Request Railtel to relax this clause as "Controller instantiated SR Policy (PCEP, BGP)"		Please read Corrigendum, Point-42
183			8.2.6.1	19.xiii	Request Railtel to make this clause Optional		Please read Corrigendum, Point-43
184			8.2.6.1	19.xiv	Request Railtel to make this clause Optional		Please read Corrigendum, Point-43
185			8.2.6.1	19.xv	Request Railtel to make this clause Optional		Please read Corrigendum, Point-43
186			8.2.6.1	19.xvi	Request Railtel to make this clause Optional		Please read Corrigendum, Point-43
187			8.2.6.1	19.xvii	Request RailTel to relax the clause as "Router should support Segment Routing and Segment Routing Traffic Engineering (SR-TE), SR PCEP, Any cast SID, binding - segments and BGP-LS with support of minimum 8 label depth."		Please read Corrigendum, Point-21
188			8.3	6	Request RailTel to modify this clause to "SDN controller should support HA architecture"	HA Architecture is available	Please read Corrigendum, Point-44

189			8.3	49	Request RailTel to make this clause Optional	As Route or Path Calculation can happen based on Networking Paramaters like IGP, Latency. Route/Path calculation cannot happen based on Geolocation distance	Please read Corrigendum, Point-45
190			8.3	58	Request RailTel to modify the clause to "The SDN controller must support real-time collection of network performance information through SNMP or NetStream or Telemetry"	As Telemetry is more realtime than SNMP/Netstream	Please read Corrigendum, Point-46
191			8.3	63	Request RailTel to clarify the expectation on BW Utilization & QoS	Need clarity whether QoS configuration or monitoring is required	Please read Corrigendum, Point-47

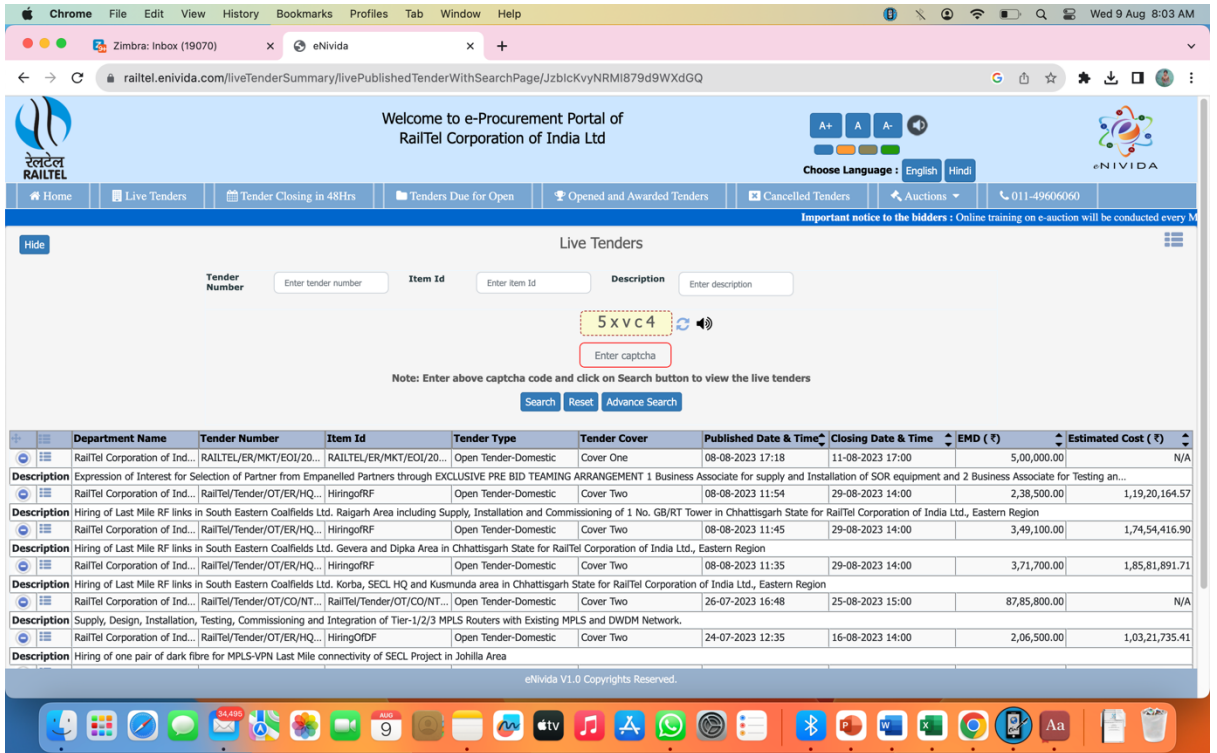
1. Go to Google → type raitel enivida and search or RailTelIndia website → go to Tenders → Click ENIVIDA portal



2. Go to Live Tenders



3. Enter Tender Number as "7" in the field, enter captcha and search → All Tenders will come, check the tender with EMD of Rs 87,85,800/-.



4. Click on left side and click on "View Tender Document".

5. Tender download link will appear and click the button to download the Tender document

