

Dated: 18.10.2022



**RailTel Corporation of India Ltd
(A Government of India Enterprise)**

6th floor, Tower II East Kidwai Nagar,
Plate-A, Kidwai Nagar, New Delhi,
Delhi 110023

Website: www.railtelindia.com

Corrigendum –IV

Sub: Request for proposals for “Supply and Rate Contract for procurement of Switches, Routers, Servers and SFPs for RailWire Network upgradation”.

Ref:i) This office Tender No. RailTel/Tender/OT/CO/RW/2022-23/RailWireN/wUpgradation/04
Dated: 30.08.2022

- ii) Corrigendum-I dated 06.09.22
- iii) Corrigendum-II dated 15.09.22
- iv) Corrigendum-III dated 13.10.22

1. Following amendments in tender Clauses as follows:

SN	Clause No.	Old clause in the Tender	Revised clause in Corrigendum
	SOR- XV	NIL	All the SOR items should met the technical requirement and specifications given in the chapter-3 B) TECHNICAL SPECIFICATIONS. (New Clause Added)
1	Item no. 2 -SOR	Supply of 40G Uplink Switch (2X40G and 24 X 10G)	Supply of 40G Uplink Switch (2X40G and 12X10G)
2	Point no. 2, Clause 4.A.12.1, Eligibility Criteria Requirements for OEMs	OEM should be ISO 9001, 14001, 27001.	OEM (Hardware) should be ISO 9001, 14001.
3	Point no. 3, Clause 4.A.12.1, Eligibility Criteria Requirements for OEMs	OEM should be having CMMI Maturity Level certificate	Deleted
4	Point no. 4, Clause 4.A.12.1, Eligibility Criteria Requirements for OEMs	OEM should have ISO/IEC 15408-1:2009 certificate	Deleted

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

CIN : L64202DL2000GOI107905

Registered & Corporate Office : Plate-A, 6th Floor, Office Block, Tower-2, East Kidwai Nagar, New Delhi - 110023
T : +91 11 22900600, F +91 11 22900699 | Website : www.railtelindia.com

5	Point no. 7, Clause 4.A.12.1 , chapter-4A Eligibility Criteria Requirements	OEM should have Service Centre at min 04 locations in major cities in India.	OEM (Hardware) should have Service/Delivery/Support Centre at min 04 locations in major cities in India".
6	Point XII, SOR, Page no. 8	Only Class-I & Class-II local suppliers are eligible to participate in this tender. Purchase preference will be given to Class-I local supplier meeting the criteria of minimum 50% Local Content (LC) or as notified in the Notification no. 18-10/2017-IP dated 29.08.2018 issued by Department of Telecommunication (DOT) and Notification No. 33(1)/2017-IPHW dated 14.09.2017 issued by MeitY or latest notification issued till opening of tender.	“Only Class-I local suppliers (meeting minimum 50% local content) & Class-II local suppliers (meeting minimum 20% local content) are eligible to participate in this tender. In case of no bid (technically qualified) received from Class-I/Class-II local suppliers , bids of non-local suppliers may be considered subjected to approval of competent authority. Purchase preference will be given to Class-I local supplier meeting the criteria of minimum 50% Local Content (LC) or as notified in the Notification no. 18-10/2017-IP dated 29.08.2018 issued by Department of Telecommunication (DOT) and Notification No. 33(1)/2017-IPHW dated 14.09.2017 issued by MeitY or latest notification issued till opening of tender. “
7	Clause 1.2, OVERVIEW OF THE SCOPE OF WORK Chapter-3A	The scope of work would be Supply along with & Integration (Supervision) of all the networking equipment's at five locations viz New Delhi, Mumbai, Secunderabad and kolkata	The scope of work would be Supply along with & Integration (Supervision) of all the networking equipment's at four locations viz New Delhi, Mumbai, Secunderabad and Kolkata.
8	Point no. 2, B 2) TECHNICAL SPECIFICATIONS, Chapter-3	16 Nos. 1/10G SFP+, 2 Port 40G QSFP+ port.	12 Nos. 1/10G SFP+, 2 Port 40G QSFP+ port.
9	Point no. 13, B 1) & B2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should support Dying Gasp for quick trouble shooting during power failures or system shutdowns.	Switch should support Dying Gasp OR Syslog /SNMP-Trap for trouble shooting during power failures/system shutdowns
10	Point no. 15, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support for Automatic Negotiation of link speed and duplex to help minimize the configuration & errors.	Deleted

11	Point no. 16, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support centralized VLAN Management. VLANs created on the Core Switches shall be propagated to all the other switches automatically, thus reducing the overhead of creating / modifying / deleting VLANs in all the switches in turn eliminating the configuration errors & troubleshooting. It shall support GVRP / VTP for VLAN pruning and management	Deleted
12	Point no. 20, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support IGMP snooping v1, v2 and v3, IGMP Proxy , IGMP Querier and MLDv1, MLD Querier.	It shall support IGMP snooping v1, v2 and v3, IGMP Proxy , IGMP Querier and MLD / MLD Querier
13	Point no. 29, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	It shall support Optical Transceiver Digital Diagnostic Monitoring and support 802.3ah link layer remote loopback and discovery	It shall support Optical Transceiver Digital Diagnostic Monitoring and link layer monitoring through 802.3ah or UDLD/IPSLA.
14	Point no. 31, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support Auto sensing speed on 10/100/1000 ports, Auto negotiating half/full duplex on all ports and Auto-MDIX	Deleted
15	Point no. 34, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	There shall be supports WRR, WRED, SP, and WRR+SP	There shall be supports WRR/WRED/SRR
16	Point no. 35, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	There shall be Shaping and Scheduling – SP, WRR, SPQ + WRR, WFQ, Weighted Deficit Round Robin (WDRR)	There shall be Shaping and Scheduling support of WRR/WRED/SRR
17	Point no. 47, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support Port Mirroring (minimum 4 mirror session) based on port basis and VLAN basis to support intrusion prevention system deployment in different VLANs. It shall support bidirectional data on mirror port which allows IDS to take action when an intruder is detected. It should support RSPAN.	It shall support Port Mirroring (minimum 4 mirror session) based on port basis / VLAN basis to support intrusion prevention system deployment in different VLANs.
18	Point no. 54, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	It shall have Remote Monitoring software agent to support for enhanced traffic management, monitoring, and analysis or FNF (flexible netflow) or any industry standard	Deleted

19	Point no. 55, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall have Time-Domain Reflectometer (TDR) or equivalent technology to diagnose and resolve cabling problems on copper ports	Deleted
20	Point no. 56, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall support Unidirectional Link Detection (UDLD)	It shall support Unidirectional Link Detection (UDLD) or similar mechanism to detect unidirectional link faults
21	Point no. 62, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	All Gigabit Ethernet ports (in case available) support IEC standard surge protection (6kV)	Deleted
22	Point no. 63, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should support Surge Protection on power input and on Ethernet ports as per EN standard	Deleted
23	Point no. 64, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should support Surge Protection to ± 4 kV (line-earth) and ± 2 kW (line-line) on power input	Switch should support Surge Protection to ± 2 kV (line-earth) and ± 2 kW (line-line) on power input
24	Point no. 65, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Loopback Detection (LBD) and Switch should support 802.3ah link layer remote loopback and discovery	Loopback Detection (LBD).
25	Point no. 69, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Should support authentication to allow an IP phone and a PC to authenticate on the same switch port while being placed on the appropriate voice and data VLANs.	Should support authentication to allow an IP phone and a PC to authenticate on the same switch port while being placed on the appropriate voice and data VLANs OR Should support 802.1x based access control.
25	Point no. 70, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Should support GVRP VLAN Trunking Protoc	Deleted
26	Point no. 71, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support Port-based VLAN, MAC-based VLAN, VLAN Trunking, Voice VLAN and Surveillance VLAN, Private VLAN, GVRP, GARP, IP-Subnet Based VLAN and ISM VLAN (MVR), Guest VLAN	It support Port-based VLAN, MAC-based VLAN, VLAN Trunking, Voice VLAN and Surveillance VLAN, Private VLAN, GVRP/, GARP/VTP, IP-Subnet Based VLAN and ISM VLAN (MVR)/IGMP Filtering, Guest VLAN
27	Point no. 73, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Should support MAC Authentication Bypass (MAB) and WebAuth with downloadable ACLs	Should support MAC Authentication Bypass (MAB)
28	Point no. 75, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support flex link	It should support flex link or backup link

29	Point no. 76, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support TWAMP. Should support TWAMP responder and receiver for IPv6	Deleted
29	Point no. 79, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support In-Service Software Upgrade (ISSU)	It should support In-Service Software Upgrade (ISSU)/Upgrade online/ Hot patch
31	Point no. 84, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	It shall support access list based on IPv4/v6 address Protocol type IPv6 flow label VLAN-ID MAC-ID DSCP IPv6 traffic class TCP/UDP Port and User-defined packet content	It shall support access list based on IPv4/v6 address, Protocol type, VLAN-ID, MAC, DSCP, IPv6 traffic class, TCP/UDP Port
33	Point no. 91, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	Switch should support PVST+ to have different stp instance for each vlan	Switch should support PVST.
34	Point no. 93, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	Should have extensive support for IP SLA and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications or similar technology	Deleted
35	Point no. 102, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support DHCP server screening and client filtering, DHCP Client, DHCP Server and DHCP Relay with option 82,66 and 67.	It should support DHCP Client, DHCP Server and DHCP Relay with option 82.
36	Point no. 106, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It should support L2 Protocol Tunneling for STP, GVRP and LACP	It should support L2 Protocol Tunnelling STP
37	Point no. 118 vii), B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter3	vii)Dying Gasp Traps or alarms	Deleted
38	Point no. 120 i), B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	i)Operating Temperature - min -5 to 50 °C	i)Operating Temperature - min 0 to 50 °C
39	Point no. 122, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should have safety compliance of CE, LVD	Switch should have safety and EMC compliance of CE and FCC
40	Point no. 124, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for	Deleted

		EMC (Electro Magnetic Compatibility) requirements.	
41	Point no. 125, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements	Deleted
42	Point no. 126, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should be IPv6 logo ready Certified	Switch should be IPv6 ready
43	Point no. 127, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	It shall have comprehensive debugging features required for software & hardware fault diagnosis. Switch should support Dying Gasp for quick trouble shooting during power failures or system shut downs.	It shall have comprehensive debugging features required for software & hardware fault diagnosis
44	Point no. 128, B 1) & B 2) TECHNICAL SPECIFICATIONS, Chapter-3	Switch should come with default accessories like Switch 3PIN Power cable, RJ-45 console cable, 2 mounting brackets for 19" rack mounting, Mounting kit, Quick Installation Guide	Switch should come with default accessories like Switch 3PIN Power cable (In case of AC power Supply), RJ-45 standard console cable compatible to other OEMs like Cisco, 2 mounting brackets for 19" rack mounting, Mounting kit
45	Point no. 1, B 4) TECHNICAL SPECIFICATIONS, Chapter-3	The OTN device should equipped with 2 x100G and 1x200G (OR 2x100G) DWDM line interfaces including optics of CFP/CFP2/QSFP28/QSFP-DD and 8x100G QSFP28 interfaces . The OTN device should support atleast 6x100/200G DWDM interfaces if required by upgrading OS/License/Hardware. OTN device should also support third party optics (MSA compliant SFP).	The OTN device can be Router/Switch and same should equipped with 3 x100G DWDM line ports including DWDM optics of CFP/CFP2/QSFP28/QSFP-DD and 6x100G QSFP28 interfaces. The OTN device should also option atleast 3x100/200G DWDM Interface if required by upgrading OS/License/Hardware. OTN device should also support third party optics (MSA compliant SFP). Proposed Equipment series/family of same type of OS shall have IP-MPLS interoperability with multiple OEMs (like Cisco, Juniper and Nokia). The product series/family with DWDM optics should be deployed at least one Telecom Service providers in India. Customer letter/Public Case studies with satisfactory performance of the offered make with IP/MPLS should be submitted along with offer.
46	Point no. 11, B 4) TECHNICAL SPECIFICATIONS, Chapter-3	The OTN device should support IPFIX, Netflow, Jflow or equivalent if required by upgrading OS/License.	The OTN device should support IPFIX/Netflow, /Jflow/sflow or equivalent if required by upgrading OS/License

47	Point no. 1.11, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Router shall have IP-MPLS interoperability with routers of other multiple OEMs. The product should be tested at EANTC or any other renowned LAB for INTEROPERABILITY in Multi-OEM FOR IP/MPLS. The product series/family should be deployed at least two major Service provider, Govt, Railways. Customer letter (Govt/PSU/ISP) with satisfactory performance of the offered make with IP/MPLS.	Proposed Router series/family of same type of OS shall have IP-MPLS interoperability with routers of other multiple OEMs. The product series/family of same type of OS should be tested at EANTC or any other renowned LAB for INTEROPERABILITY in Multi-OEM FOR IP/MPLS. The product series/family should be deployed at least two major Service provider, Govt, Railways. Customer letter/Public Case studies (Govt/PSU/ISP) with satisfactory performance of the offered make with IP/MPLS should be submitted along with offer.
48	Point no. 2.2, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Router shall support LDP, MPLS-TE with FRR, R-LFA, TI-LFA for sub 50 msec protection.	Router shall support LDP, MPLS-TE with FRR and TI-LFA for sub 50 msec protection.
49	Point no. 2.6, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Router shall support performance monitoring for Layer-2 and layer-3 services (Y.1731/Y.1564, TWAMP, SAA or equivalent).	Router shall support performance monitoring for Layer-2 and layer-3 services (Y.1731/Y.1564/CFM, TWAMP or equivalent).
50	Point no. 2.9, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	BGP Prefix independent control (EDGE and Core).	BGP Prefix independent control (EDGE / Core).
51	Point no. 2.10, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Router shall support BFD with interval of 10ms or less	Router shall support BFD with interval of 50 ms or less
52	Point no. 4.4, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Ingress and egress packet filtering based on L2-L4 criteria at wire speed. The possibility to log the actions on individual filter rules shall be supported.	Ingress and egress packet filtering based on L2-L4 criteria at wire speed. The possibility to log the deny actions on individual filter rules shall be supported
53	Point no. 5.4, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Minimum 500 MPLS layer-3 VPN's.	Minimum 32 MPLS layer-3 VPN.
54	Point no. 6.7, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Operating temperature: 0°C to 45°C.	Operating temperature: 0°C to 40°C.

55	Point no. 9.4, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	The router should be able to act as Path computation client in the PCE architecture defined in RFC 4655	The router should be able to act as Path computation client in the PCE architecture defined in RFC 4655 or should support BGP-LS
56	Point no. 9.5, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	The router should support PCECP as defined in RFC5440	The router should support PCECP as defined in RFC5440 or should support BGP-LS
57	Point no. 10.9, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	The system should support REST API for communication with third party tools and applications	The system should support REST-API/Yang and Netconf for communication with third party tools and applications
58	Point no. 11.2, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Traffic Steering of SR policies with Autoroute Include and Segment Routing TI-LFA SRLG Protection	Traffic Steering of SR policies and Segment Routing TI-LFA SRLG Protection
59	Point no. 11.3, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	LSP ping, trace-route, Pseudo wire Ping over Segment Routing, trace route for binding-SID	LSP ping, trace-route
60	Point no. 11.4, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	MPLS-LDP interworking with SR-ISIS and SR-OSPF	MPLS-LDP interworking with SR-ISIS / SR-OSPF and LDP over RSVP. Roadmap for same may be acceptable however functionality should available before Final Acceptance (FAC) .
61	Point no. 11.6, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Shall support SR and MPLS (LDP) Interworking Mapping Serve	Shall support SR and MPLS (LDP) Interworking Mapping Server. Roadmap for the same may be acceptable however functionality should available before Final Acceptance (FAC) .
61	Point no. 11.8, B 6) TECHNICAL SPECIFICATIONS, Chapter-3	Router ASIC should be capable of supporting SRv6 natively and inter-working with SR-MPLS in future .SRv6-MPLS inter-working in future with software enhancement	Router ASIC should be capable of supporting SR MPLS natively
62	Point no. 2, B 7) TECHNICAL SPECIFICATIONS, Chapter-3	The router should have option for 6x400G DWDM QSFP DD ports and 12x10/25/50G SFP56 by upgrading the license/OS/Optics/Hardware .400G QSFP DD all ports should support ZR & ZR+ 400G optics	The router should have option for 6x400G DWDM QSFP DD ports and (12x10/25/50G SFP56 OR 6x100G QSFP28/QSFP-DD ports (supporting breakout in all ports)) by upgrading the license/OS/Optics/Hardware. 400G QSFP DD all ports should support ZR & ZR+ 400G optics

64	Point no. 4 b), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	b) IPv6 RIB/FIB: 6M/750K	b) IPv6 RIB/FIB: 3.5M/450K
65	Point no. 4 g), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	g) Firewall Filters: Ingress 2K/Egress 8K	g) Firewall Filters: "Ingress 2K/Egress 2K"
66	Point no. 4 h), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	h)RSVP LSP ingress/transit: 15K/15K	h) RSVP LSP ingress/transit: 10K/10K
67	Point no. 4 i), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	i) Segment Routing IGP prefix Scale : 40K	i)Segment Routing IGP prefix Scale: 10K
68	Point no. 7, B 7) TECHNICAL SPECIFICATIONS, Chapter-3	Router should have redundant DC (with the operating range of -40 to -72 VDC) power supply.	Router should have redundant DC (with the operating range of -40 to -60 VDC) power supply
69	Point no. 19 f), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	Round Robin, WFQ, CBWFQ scheduling algorithms	Round Robin, WFQ / CBWFQ scheduling algorithms
70	Point no. 22 i), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	i) Support for LFA and Ti-LFA	Support for LFA / Ti-LFA
71	Point no. 22 k), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	k) Support for RSVP fast hellos	Support for RSVP fast hellos / FRR
72	Point no. 26 e), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	RFC8669 Segment Routing Prefix SID extensions for BGP	Optional
73	Point no. 26 f), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	RFC8360 RPKI support	RFC8360 / RFC8210 RPKI support
74	Point no. 26 h), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	RFC2154 OSPF MD5	RFC2154 OSPF MD5 or OSPF MD5 authentication

75	Point no. 29 a), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	EN 55022 Class A Emissions (Europe)	EN 55022/EN55032 Class A Emissions (Europe).".
76	Point no. 30 e), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	The router should support PCECP as defined in RFC5440.	"Optional".
77	Point no. 31 i), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	The system should support REST API for communication with third party tools and applications	The system should support REST- API/Yang and Netconf for communication with third party tools and applications
78	Point no. 32, B 7) TECHNICAL SPECIFICATIONS, Chapter-3	Router Should Support Dual Image/Partition with USB flash drive booting option for OS recovery	Router should Support Dual Image/Partition with USB flash drive option for OS recovery/booting
79	Point no. 39 b), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	Traffic Steering of SR policies with Autoroute Include and Segment Routing TI-LFA	Traffic Steering of SR policies and Segment Routing TI-LFA SRLG Protection
80	Point no. 39 c), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	LSP ping, trace-route over Segment Routing, trace route for binding-SID	LSP ping, trace-route
81	Point no. 39 d), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	MPLS-LDP interworking with SR-ISIS and SR-OSPF	MPLS-LDP interworking with SR-ISIS / SR-OSPF and LDP over RSVP. Roadmap for the same may be acceptable however functionality should available before Final Acceptance (FAC) .
82	Point no. 39 f), B 7) TECHNICAL SPECIFICATIONS, Chapter-3	Shall support SR and MPLS (LDP) Interworking Mapping Server	Shall support SR and MPLS (LDP) Interworking Mapping Server. Roadmap for the same may be acceptable however functionality should available before Final Acceptance (FAC) .

2. All other terms and conditions of the tender remains same.
3. Annexure-I is attached as the Pre Bid Queries response.

Himanshu Kumar
Add.GM/NTP

