

PreBid Queries

GeM Tender No. GEM/2023/B/4147911 dated 31-10-2023

Name of Work : "Supply of TDM over IP Solution, Servers, Switches, SFP and virtual route reflector"

Sr. N.	ATC clause No	Old clause of ATC/Modified in Corrigendum	Request for Amendment/Corrigendum	RailTel Response
1	ATC clause No- 10.1 Eligibility Criteria Requirements for OEMs: SN- 5	Old clause of ATC/Modified in Corrigendum OEM should have Service Centre at min 04 locations in major cities in India	As almost all the OEMS under Make in India does not have their own service centres at multiple locations India. As OEMs under make in India are generally startups and they usually operate through their authorised service centre through their authorised service partners; which are well supported by their centralised service centre therefore we request you to kindly relax the terms and amend as below: OEM/Authorized partner should have Service Centre at min 04 locations in major cities in India. Also, we would like to inform you that similar kind of GeM Tender was invited by RAILTEL vide Tender No.GEM/2023/B/3600186 for Supply installation and maintenance of various items of Railnet equipments wherein below Eligibility Criteria & Supporting Documents was asked: Eligibility Criteria: OEM/Authorized partner should have Service Centre at min 04 locations in major cities in India. Supporting Document: Service centre details along with GST no of each location to be shared along with address and contact no. and person Request you to kindly relax the payment Terms as below: (i) 90% payment against full supply under issued PO and remaining 10 % payment on configuration of Equipment by CNOC/RNC, CNOC/RNOC certificate should be produce in this regard or expiry of 6 months whichever is earlier .	See Corrigendum-VIII
2	ATC clause no-19 (i) Page-16	(i) 80% payment against full supply under issued PO and remaining 20 % payment on configuration of Equipment by CNOC/RNC, CNOC/RNOC certificate should be produce in this regard or expiry of 6 months whichever is earlier	(ii) 90% payment against full supply under issued PO and remaining 10 % payment on configuration of Equipment by CNOC/RNC, CNOC/RNOC certificate should be produce in this regard or expiry of 6 months whichever is earlier .	As per ATC
3	ATC clause no-19 (ii) Page-16	(ii) In case of part supply, 75% payment against Part Supply	(ii) In case of part supply, 85% payment against Part Supply and remaining 15% payment on configuration of equipment by CNOC/RNC, CNOC/RNOC certificate should be produce in this regard or expiry of 6 months whichever is earlier,	As per ATC
4	ATC clause no-8.1 Earnest Money Deposit (EMD)/ Bid Security:	All the Bidders are required to deposit EMD amount of Rs. 8,82,600/- as "Earnest Money" through RTGS/Internet Banking	We request from the department to allow us to submit the EMD in the formof Bank guarantee as well.	As per ATC
5	Annexure-1, clause no-2.1.H. SN-2 (SOR Item No- 5 & 6) Virtual route reflector with SVC Customer Support of 5 Years. Page-32	RR must support Graceful Restart support for (ISIS, BGP, LDP)	RR deployed in redundancy can support this. NA for vRR. Kindly delete this	See Corrigendum-VIII
6	Annexure-1, clause no-2.1.H. SN-2 (SOR Item No- 5 & 6) Virtual route reflector with SVC Customer Support of 5 Years. Page-32	RR must support LDP-IGP Sync	This is needed for P/PE role, not for RR role. Kindly delete this	See Corrigendum-VIII



7	Annexure-1, clause no-2.1.1.H, SN-2 (SOR Item No-5 & 6) Virtual route reflector with SVC Customer Support of 5 Years. Page-32	RR must support Multi-Hop BFD Feature for ISIS,LDP,BGP	Kindly change this for Single -Hop BFD Since it's only for supply scope to bidder so request you to kindly remove the installation & commissioning from the MAF format.	See Corrigendum-VIII
8	Annexure-1, clause no-2.1.D, (i) Technical Specification of server (SOR Item No-3) Page-29	In MAF supply and Installation & Commissioning of our range of products is mentioned. (i)Server should have ILO/IPMI Interface for remote management	As per our understanding it seems that ILO feature is specific to only one OEM. So please revise clause for wide competition as " Server should have Interface for remote management"	As per ATC
9	Annexure-1, clause no-2.1.A, SN-1 Technical Specification (SOR Item No-1) (Page-24)	Router/Metro Ethernet Equipment should support minimum 4x10G SFP+ port & 8x1G SFP Equipped with two no's of 10G SFP+ Single mode fiber optics of Long Haul (60km) and Smart SFP modules (10 Km) (Channelized STM-1).	Router/Metro Ethernet Equipment should support minimum 4x10G-SFP+ port & 8x1G-SFP-4x1G/10G optical port & 4x1G Electrical port Equipped with two no's of 10G Single mode fiber optics of Long Haul (60km) and one no's of Smart SFP modules (Channelized STM-1).	As per ATC
10	Annexure-1, clause no-2.1.A, SN-1 Technical Specification (SOR Item No-2) (Page-24)	Total throughput (Full duplex): Minimum 48 Gbps.	Total throughput (Full duplex): Minimum 48 Gbps 32Gbps.	See Corrigendum-VIII
11	Annexure-1, clause no-2.1.A, SN-1 Technical Specification (SOR Item No-16) (Page-24)	Router/Metro Ethernet Equipment should support redundant DC (with the operating range of -40VDC to -72VDC)	Router/Metro Ethernet Equipment should support redundant-DC dual feeding DC (with the operating range of - 40VDC to -72VDC)	See Corrigendum-VIII
12	Annexure-1, clause no-1, (iv) Technical Specification Page-23	UL, CE and FCC Certificate. These certificates are not required for PIMA however, they have to produce certificate from standard lab approved/ authorized by Govt. of India that their product are equivalent to UL,CE and FCC and meets all standard and specification of UL,CE and FCC	UL,CE and FCC UL/CE/FCC Certificate.	See Corrigendum-VIII
13			Inspection and Testing in India:- This testing will be conducted by RailTel in their premises, Only REMOTE telephonic Support to be considered by OEM.	As per ATC
14			Repair: There will be no replacement for corrosion/burned/damaged cards/modules/shelf. FAT: This is not applicable for OEM.	As per ATC
15			SNMP Integration : Only MIB file for configuration to be provided by OEM.	As per ATC
16			Secured VPN connection for OEM Remote TAC support .	Yes, MIB file is required to intergrate with NMS using SNMP
17			We understand equipment supporting 4X10G SFP+ and 4X1G SFP ports with smart SFP modules can also be proposed. Kindly confirm	RailTel will provide the Secured VPN connection for OEM Remote TAC support
18	Annexure-1, clause no-2.1 A, SOR (1) Page-24	Router/Metro Ethernet Equipment should support minimum 4x10G SFP+ port & 8x1G SFP Equipped with two no's of Single mode fiber optics of Long Haul (60km) and Smart SFP modules (Channelized STM-1).	We understand equipment with 44Gbps throughput can also be proposed. Kindly confirm	As per ATC
19	Annexure-1, clause no-2.1 A, SOR (2) Page-24	Total throughput (Full duplex): Minimum 48 Gbps.	We understand the equipment required is for access application, kindly reduce scale for IPV4 RIB/FIB to min. 1K	As per ATC
20	Annexure-1, clause no-2.1 A, SOR (4) Page-24	IPV4 RIB/FIB : Minimum 124K/30K		As per ATC
21				See Corrigendum-VIII



22	Annexure-1, clause no-2.1 A. SOR (5) Page-24	IPv6 RIB/FIB : Minimum 32K/7.5K	We understand the equipment required is for access application, kindly reduce scale for IPv6 RIB/FIB to min 500	See Corrigendum-VIII
23	Annexure-1, clause no-2.1 A. SOR (6) Page-24	MPLS Labels : Minimum 12K	We understand the equipment required is for access application, kindly reduce scale for MPLS labels to min. 100	See Corrigendum-VIII
24	Annexure-1, clause no-2.1 A. SOR (7) Page-24	Label Stack : 5	We understand the equipment required is for access application, kindly reduce scale for Label stack to 4	See Corrigendum-VIII
25	Annexure-1, clause no-2.1 A. SOR (8) Page-24	L2 / L3 VPN VRF : Minimum L2 VPN: 128, Minimum L3 VRF: 128	We understand the equipment required is for access application, kindly reduce scale for min. L3 VRF to 64	See Corrigendum-VIII
26	Annexure-1, clause no-2.1 A. SOR (11) Page-24	Operating Temperature : (0 to 55 degree C or better)	Please allow temp. range (0°C to +50°C)	See Corrigendum-VIII
27	Annexure-1, clause no-2.1 A. SOR (15) Page-24	Router/Metro Ethernet Equipment shall have option checking configuration before committing and option of rolling back to at least five configurations	We suggest to delete this requirement	See Corrigendum-VIII
28	Annexure-1, clause no-2.1 A. SOR (25) Page-25	The Router/Metro Ethernet Equipment should support Netflow, Jflow or equivalent	We suggest to delete this requirement	See Corrigendum-VIII
29	Annexure-1, clause no-2.1 A. SOR (28) Page-25	Shall support following class of service features: b) Manage congestion using a weighted random early detection (WRED) algorithm	Please allow alternative mechanism using Strict priority and Round robin as well for congestion control in proposed solution	See Corrigendum-VIII
30	Annexure-1, clause no-2.1 A. SOR (34) Page-25	Fast Reroute Extensions to RSVP-TE for LSP Tunnels	We suggest to delete this requirement	See Corrigendum-VIII
31	Annexure-1, clause no-2.1 A. SOR (35) Page-25	The Router/Metro Ethernet Equipment shall Support of Sync-E & PTP technology (License price to be quoted separately)	We suggest to delete this requirement	See Corrigendum-VIII
32	Annexure-1, clause no-2.1 A. SOR (37) Page-26	The Router/Metro Ethernet Equipment shall support the following routing features b) Dynamic Host Configuration Protocol (DHCP) relay	We suggest to delete this requirement	See Corrigendum-VIII
33	Annexure-1, clause no-2.1 A. SOR (37) Page-26	The Router/Metro Ethernet Equipment shall support the following routing features f) RFC 3630, Traffic Engineering (TE) Extensions to OSPF Version 2	We suggest to delete this requirement	See Corrigendum-VIII
34	Annexure-1, clause no-2.1 A. SOR (37) Page-26	The Router/Metro Ethernet Equipment shall support the following routing features m) RFC 5305, IS-IS Extensions for Traffic Engineering	We suggest to delete this requirement	See Corrigendum-VIII



35	Annexure-1, clause no-2.1 A. SOR (37) Page-26	The Router/Metro Ethernet Equipment shall support the following routing features p) IGMP v2 and v3 as described in RFC 2236 and RFC 3376 with IGMP Routing Policies to filter IGMP requests.	We suggest to delete this requirement	See Corrigendum-VIII
36	Annexure-1, clause no-2.1 A. SOR (38) Page-26	The Router/Metro Ethernet Equipment shall support Virtual Router/Metro Ethernet Equipment Redundancy Protocol (VRRP) as per IETF RFC 3768	Please allow alternate solution as well to meet solution requirement	See Corrigendum-VIII
37	Annexure-1, clause no-2.1 A. SOR (43) Page-26	IPv6 Features e) VRRPv3	Please allow alternate solution as well to meet solution requirement	See Corrigendum-VIII
38	Annexure-1, clause no-2.1 A. SOR (44) Page-26	Multicast Feature	We suggest to delete this requirement	See Corrigendum-VIII
39	Annexure-1, clause no-2.1 A. SOR (46) Page-27	The device should comply to the following safety standards c) UL/EN 62368 Information Technology Equipment – Safety g) The device will conform to the following EN/IEC standard i. 61000-4-2 – ESD ii. 61000-4-3 Radiated Immunity iii. 61000-4-4 – EFT iv. 61000-4-5 – Surge v. 61000-4-6 – Low Frequency common immunity	Please allow alternate safety standards EN 60950-1:2006(A11:2009)/ A1:2010/A12:2011/A2:2013 as well Please allow below alternate standards as well for EN/IEC • EN 61000-3-2:2019 • EN 61000-3-3:2013+A1:2019 • CISPR 24 • CISPR 32 Class A • CISPR 35 • EN 300 386 • EN 55024 • EN 55032 • EN 55035	See Corrigendum-VIII
40	Annexure-1, clause no-2.1 A. SOR (46) Page-27			See Corrigendum-VIII
41	Annexure-1, clause no-2.1 A. SOR (47) Page-27	The offered devices must support following functionalities to support 3rd party SDN (in future) (d) The Router/Metro Ethernet Equipment should be able to act as Path computation client in the PCE architecture defined in RFC 4655. (e) The Router/Metro Ethernet Equipment should support PCECP as defined in RFC5440. k) Some of the streaming models/sensors the Router/Metro Ethernet Equipment should support are: Filter statistics RSVP Interface Statistics DHCP statistics	We suggest to delete this requirement	See Corrigendum-VIII
42	Annexure-1, clause no-2.1 A. SOR (50) Page-28		We suggest to delete this requirement	See Corrigendum-VIII
43	Annexure-1, clause no-2.1 A. SOR (57) Page-28	The operating system of the Router/Metro Ethernet Equipments category/series/family should be MEF-9/14 or CE(Carrier Ethernet) Certified.	Please allow MEF-3 certified equipment also as alternate	See Corrigendum-VIII



44	Annexure-1, clause no-2.1 A. SOR (65) Page-29	Segment Routing: ii) The Router/Metro Ethernet Equipment should support SR-MPLS dataplane and protocols OSPF, IS-IS and BGP Segment routing extensions iii Traffic Steering of SR policies with Autoroute Include and Segment Routing TI-LFA SRLG Protection	We suggest to delete "Traffic Steering of SR policies with Autoroute Include and Segment Routing TI-LFA SRLG Protection" requirement	See Corrigendum-VIII
45	Annexure-1, clause no-2.1 A. SOR (65) Page-29	Segment Routing: vi) TI-LFA with IGP (Link, Node, Local SRLG, Remote SRLG protection)	We suggest to delete this requirement	See Corrigendum-VIII
46	Annexure-1, clause no-2.1 A. SOR (65) Page-29	Segment Routing: vii) Controller instantiated SR Policy (PCEP, BGP)	We suggest to delete this requirement	See Corrigendum-VIII
47	Annexure-1, clause no-2.1 A. SOR (65) Page-29	Segment Routing: viii) Router/Metro Ethernet Equipment should have capability to calculate Bandwidth based path using centralized controller.	We suggest to delete this requirement	See Corrigendum-VIII
48	Annexure-1, clause no-2.1 A. SOR (65) Page-29	Segment Routing: xi) Label distribution protocol and segment routing should coexist and there should support option to prefer LDP over segment routing.	We suggest to delete "there should support option to prefer LDP over segment routing" requirement	See Corrigendum-VIII
49	Annexure-1, clause no-2.1 A. SOR (66) Page-29	EVPN Features ii) Router/Metro Ethernet Equipment should have support of following features on EVPN: EVPN-IRB, EVPN VPWS, EVPN VPWS Preferred Path over SR-TE Policy	We suggest to delete this requirement	See Corrigendum-VIII
50	Annexure-1, clause no-2.1 C. SOR (Item No. 2) Page-30	Technical specifications of Smart SFP modules (STM-4) 6. Should support DDMI feature.	We suggest to delete this requirement	See Corrigendum-VIII
51	Annexure-1, clause no-2.1 C. SOR (Item No. 2) Page-31	Technical specifications of Smart SFP modules (STM-4) 7. Should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid.	We suggest to delete this requirement	See Corrigendum-VIII
52	Annexure-1, clause no-2.1 F. SOR (Item No. 4) Page-31	Technical specifications of SFP+ (10Kkm) 1. Should be compatible with OEM equipment's like Cisco, Juniper, D Link, Zyxel, Edge Core and Extreme	We suggest to delete this requirement	As per ATC
53	Annexure-1, clause no-2.1 F. SOR (Item No. 4) Page-31	Technical specifications of SFP+ (10Kkm) 5. Should support DDMI feature.	We suggest to delete this requirement	As per ATC
54	Annexure-1, clause no-2.1 F. SOR (Item No. 4) Page-31	Technical specifications of SFP+ (10Kkm) 6. Should be having valid ISO 9000 & ISO 14000 certification on the date of opening of bid.	We suggest to delete this requirement	As per ATC



55	Eligibility Criteria for OEM (Hardware): 10.1 Eligibility Criteria Requirements for OEMs: Serial No. 7	The OEM shall ensure that Intellectual Property Rights of Hardware (including MAC address) and Source Code and of Software must not reside in any Country that shares a Land Border with India. Moreover, OEM must ensure that they are not getting 3rd party manufacturing from any Country that shares a Land Border with India. Note – OEMs from country that shares a Land Border with India are allowed to offer their products' provided OEM's is registered with DPIIT.	As per our understanding, OEM need to submit undertaking against land and Border clause. Please clarify	As per ATC
56	Technical specification 2.1 C (SOR Item No-3) point €	It should have a minimum of 2xUSB 3.0 ports and shall support booting from the USB port. It should be equipped with 6x960GB SSD nvme enterprise disks suitable for working on a 24x7 basis. It should be supporting RAID 0/1 and 5.	Best of our knowledge 6 NVMe disks are required with RAID 5 support. The RAID cards available currently support only 4 NVMe drives, which means that 2 RAID cards have to be used - if this is done, the disks will not be available in 1 volume. For Best optimisation of the solution at Commercial & Technical - Use 4 Nos NVMe Disk with RAID 5.	See Corrigendum-IX
57	2.1 A. SOR (24) Page-25	The Router/Metro Ethernet Equipment should support filtering based on different parameters like: src ip, dst ip, src port, dst port, protocol etc	Please allow alternate solution for filtering by using classifiers and flow point based filtering as well.	See Corrigendum-VIII
58	Clause-10 Page-5	10.1 Eligibility Criteria Requirements for OEMs: 3. The Equipment offered by the OEM or equipment of the same series/family from the same OEM should have received PO or supply record from any Government/PSUs/Govt Telecom Service Providers network in India.	Please allow supply record from Private telecom service providers Network in India as well.	See Corrigendum-VIII
59	clause 8.1 (i) Page-3	Offers without a complete amount of Earnest Money shall be summarily rejected.	While uploading on GEM, it is indicated as "EMD/EPBG not required". There is no option seen for payment. Can we submit the bid without EMD?	Please see ATC clause 8.1 (iv)
60	Clause 24, Page-18	Offline submission	Can we courier the documents to the address mentioned? If so, please provide us some contact details for confirmation on delivery	As per ATC



