



Date: 14-03-2024

Corrigendum - VII

Sub: Tender for “Supply, Design, Installation, Testing, Commissioning, and Integration of OSS solution at Rail-Tel Network (IP-MPLS & DWDM)”.

Ref: (i) This office E-Tender No. RailTel/Tender/OT/CO/NTP/2023-24/OSS/008, Dated 10-11-2023

(ii) Corrigendum-I dated 14.12.23

(iii) Corrigendum-II dated 27.12.23

(iv) Corrigendum-III dated 12.01.24

(v) Corrigendum-IV dated 31.01.24

(vi) Corrigendum-V dated 15.02.24

(vii) Corrigendum-VI dated 29.02.24

In reference to the Tender for the “Supply, Design, Installation, Testing, Commissioning, and Integration of OSS solution at Rail-Tel Network (IP-MPLS & DWDM)” against **E-Tender No. RailTel/Tender/OT/CO/NTP/2023-24/OSS/008**, Dated 10-11-2023, following is issued with the approval of competent authority:

1: Response to firm’s queries (point 1- 12)

2: Extension of Bid End Date/Time as mentioned below:

Present	Revised Tender closing/opening date and time
Bid End Date/Time 15-03-2024 15:00:00	Bid End Date/Time 10-04-2024 15:00:00
Bid Opening Date/Time 15-03-2024 15:30:00	Bid Opening Date/Time 10-04-2024 15:30:00

All other terms and conditions will remain unchanged.

(Himanshu Kumar)

GM/Technology Planning

(For and behalf of RailTel Corporation of India Ltd.)

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Response to Queries related to E-Tender No. RailTel/Tender/OT/CO/NTP/2023-24/OSS/008

S.no.	Section No.	Section	Existing Clause	Queries	Justification	RailTel's Response
1	3.A.1.3.4	Dimensioning Details		For dimensioning of SDN controller kindly confirm the no. of type of routers of SDN enabled devices.		Bidder to consider total no. of 1000 SDN enabled devices in day 1 and same should be upgradable with additional license to 2000 Nos. of SDN enabled devices without any change in the hardware & the base software like OS, DB etc. bidder shall also consider following type of devices for integrations with the SDN controller: 1. CISCO : NCS540 (4x100G and 24x10G) & NCS 5504 2. Juniper: MX960 , MX480, MX204, MX304, ACX7024, ACX7100 & ACX710. 3. Other Router types (defined in Annexure-II & IV of chapter-7) shall be integrated with Device Management System (Fault and Performance) for Legacy Network
2				For dimensioning of SDN controller kindly confirm the no. PM counters for SDN enabled devices.		Bidder to consider 50Nos. of PM counter type supported by SDN enable device.
3				Kindly confirm that L3 VPN services will be Full mesh and Hub-Spoke based .		Yes, L3 VPN services will be Full mesh and Hub- Spoke based .
4	3.A.1.4	OSS Solution Implementation Phases		Kindly confirm the understanding that Inventory means physical inventory chassis, card, slot, self, port to be discovered.		Yes, Inventory means physical inventory chassis, card, slot, self, port to be discovered.
5				Kindly confirm the no. of critical alarms need to be monitored at first phase, Chassis related, Link related, Port related, IGP protocol related		Bidder to consider 25nos. type of critical alarms for integration with OSS/SDN controller for each type of equipment. However bidder to integrate atleast Chassis related, Link related, Port related, IGP protocol related alarms in phase-1 & remaining alarms in phase-2 & 3.
6	3.B.5.	Provisional Acceptance Certificate (PAC)	Fallout task to be triggered in case of failure at targeted system.	We understand that Fall out means roll back of configuration . Kindly confirm the understanding.		Yes, Fall out means roll back of configuration .
7			Fallout task to be triggered in case of failure at targeted system.	We understand that PM data should display CPU, Memory, Temperature, and Port Utilization of devices. Kindly confirm the understanding		Yes, PM data should display CPU, Memory, Temperature, and Port Utilization of devices
8				We understand that existing SDN enabled devices support the PCE (Path Computation Element) feature.		Yes, SDN enabled devices will support the PCE (Path Computation Element) feature.
9	8.2.4.2	Device Management System (Fault and Performance) for Legacy Network - (Point no.8)	The solution shall use concepts such as Micro service-based Container Architecture	Request to change the requirement to "The solution shall use concepts such as Micro service based / Container based Architecture."	This will make the Requirement as non-restrictive, also, any proposed solution will still benefit from cloud based deployment.	Bidder can propose either Micro service based / Container based Architecture.
10				Kindly confirm that railtel will extend the required support for the integration with existing SDN enabled devices for access and existing vendor coordination		Yes, Railtel will extend the required support for the integration with existing SDN enabled devices for access and existing vendor coordination
11		Additional points	Additional point	Since the scope of this tender includes the Implementation of OSS along with integration with different layers . So we request the tendering authority to kindly add the clauses in OEM PQ criteria- " The OSS OEM should have a solution that should be technology agnostics and roadmap for varied technologies including Slicing. OSS OEM should have atleast a reference where the solution is deployed over private/public cloud catering both IP and Optical domain." OSS OEM should have the IPR on his name for respective product offering.		No changes.
12	Annexure II	Chapter 7		For the given scope of Optical DWDM, kindly advice on the DWDM Vendor that need to be integrated as part of this transformational project		Bidder to consider following OEMs make EMS/NMS for the integration with the OSS: 1. Ciena 2. Tejas 3. Nokia 4. Adva Other DWDM OEMs (defined in Annexure-II & IV of chapter-7) shall be integrated with Device Management System (Fault and Performance) for Legacy Network.