



No. RCIL/CO/NTP/2022/NetworkPlanning-Part(2) (25420) Dated: 05.09.2023

### Corrigendum-III

**Sub: Design, Supply, Installation, Testing & Commissioning of MDWDM Muxponder system including Integration with the existing network of RailTel.**

Ref: RailTel/Tender/OT/CO/Project/2023-24/MDWDM Muxponder/010  
Dated: 24.07.2023.

In reference to the above referred tender, the following amendments in the tender document are issued:

SN	Clause no. & Chapter no.	Existing clause description	Revised clause description
1	3.A.3.2(4), Chapter-3A	RailTel will provide Rack Space (Maximum 8 RU) per location and power (DC) for equipment Installation & Commissioning. In case of Rack Space required is more space 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.	RailTel will provide Rack Space (Maximum 12 RU) per location and power (DC) for equipment Installation & Commissioning. In case of Rack Space required is more space in that case bidder shall 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.
2	3.A.3.5-1(i), Chapter-3A (Corrigendum-II)	The system shall support 400G capacity (with client option of 4x 100 GE and 20x10GE at Client side and 4X100G at line side). The system shall provide flexibility to map ODU2/ ODU2e/ ODU3/ ODU4/ ODU flex to 100G line ports. System shall support client side protection. In case of system support client	The system shall support 400G capacity (with client option of 4x 100 GE and 20x10GE at Client side and 4X100G at line side). The system shall provide flexibility to map ODU2/ ODU2e/ ODU3/ ODU4/ ODU flex to 100G line ports. System shall support client protection for 10G services. In case of

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RailTel Corporation of India Ltd. (A Government of India Undertaking)  
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		protection through external module, in that case bidder shall provide 5 ports protection module. These client protection modules shall be used to protect the 10/100G services in case required at any proposed sites. System shall also support line side protection if required in future.	system support client protection through external module, in that case bidder shall provide 5 ports protection module. These client protection modules shall be used to protect the 10G services in case required at any proposed sites. System shall also support line side protection if required in future.
3	3.A.3.1, Chapter-3A	Bidder/OEM shall propose Alien wavelength supported standard Muxponder system 4x100G (with 10G SFP+, Fiber channel, STM-16, 100G QSFP28 client options). Standard Line side Coherent port should support following optical parameters.	Bidder/OEM shall propose Alien wavelength supported standard Muxponder system 4x100G line channel ports {with client option of 10Gbe, OTU2/2e, Fiber channel (FC8 or FC12 or FC 16), STM-64 and 100G QSFP28}. All client options should be available on same cards/module. Standard Line side Coherent port should support following optical parameters.
4	3.A.3.5(11), Chapter-3A (Corrigendum-II)	Each Access solution Muxponder system shall be equipped with 4xQSFP28 LR4 and 20x10G SFP+ LR optics.	Each Access solution Muxponder system shall be equipped with 2xQSFP28 LR4 and 20x10G LR optics.
5	3.A.3.5-1(xiv), Chapter-3A (Corrigendum-II)	System shall be built in such a manner that it should work with existing ROADM network based on above parameters and supplied SDN Controller should provide latest APIs, which shall further facilitate multivendor interoperability at OSS Layer (if required). System shall support configuration management, open APIs, and standards-based SNMP/YANG models. These management features should be available at no cost to	System shall be built in such a manner that it should work with existing ROADM network based on above parameters and supplied SDN Controller should provide latest APIs, which shall further facilitate multivendor interoperability at OSS Layer (if required). System shall support configuration management, open APIs and standards-based SNMP/YANG models. NBI towards OSS should

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		RailTel and the same shall also be acceptable on confirmed roadmap. Confirmed roadmap shall be submitted by bidder along with bid duly vetted by OEM.	support Fault, Performance, Inventory and Service provisioning management via open-source APIs. These management features should be available at no cost to RailTel and the same shall also be acceptable on confirmed roadmap. Confirmed roadmap shall be submitted by bidder along with bid duly vetted by OEM.

Last Date and Time of Submission of bid 25.09.2023 upto 15:00 hrs  
Date and Time of opening of bid 25.09.2023 at 15:30 hrs

All other terms and conditions of the Tender document and previous corrigenda will remain unchanged.

*Ravi Vishwakarma*  
05.09.2023

**(Ravi Vishwakarma)**  
**Sr. DGM/Project**  
**For Principal Executive Director/Infra**