Response to pre-bid query

RailTel/Tender/OT/CO/Project/2025-26/OTN/22 dated 27.11.2025

Annexure-B

SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
1	Bay Datacom	3.A.2.1 OVERVIEW OF THE SCOPE OF WORK	15	Project Management, Supply of all related goods and providing all related services including custom clearance if required, transportation, installation, testing, commissioning & AT of the telecom system and training of RailTel personnel. The bidder is requested to design the DWDM system with a minimum line rate of 200Gbps or more per channel (single carrier). Proposed Traffic module shall have capability support 400G or higher line rate capacity (single carrier). DWDM OTN system shall support 'C band' as per ITU-T grid for the green field network. The DWDM OTN Solution offered (Chassis) shall support minimum capacity of 2.4 Tbps. Platform should support Centralized or on-board OTN cross connection capability. Platform should support up to 6-degree Cross Connection capability.	As per the requirement, the traffic module shall support a 400G or higher line-rate capacity with an OTN cross-connection capability of 2.4 Tbps using 6 degrees. However, if the traffic is distributed across 6 directions with a 400G line rate, then a minimum OTN cross-connection capacity of 4.8 Tbps is required; otherwise, the traffic module line rate cannot be upgraded to 400G. Please confirm	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
2	Bay Datacom	3.A.3.1.B DESIGN OF NETWORK Traffic Cards (Line & Client) in day 1	16	At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces. i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. The OEM/Bidder can have option to propose an Optical Protection Switch (OPS)-based solution for inter-location connectivity where multiple optical links exist between the same pair of locations. ii. Nos of 10G client Ports: 16x10GE/OTU2/OTU2e SFP+ equipped with LR optics (10km). iii. Nos of multi-rate client Ports: 8x1GE /STM1/ STM4/STM16 SFP equipped with LR optics (10km). iv. Nos of 100G client Ports: 4x100GE/OTU4 QSFP28 equipped with LR optics(10km).	As per clause 3.A.2.1, the DWDM OTN solution (chassis) shall support a minimum capacity of 2.4 Tbps, and as per clause 3.A.3.1.B, the required client traffic is 16×10G + 8×1G + 4×100G, which is approximately 600G in total. If this 600G client traffic has to be transmitted in 6 directions using a 400G line rate, please confirm how this transmission is expected to be achieved. If 600G client traffic must be distributed across 6 directions, then the minimum OTN cross-connection capacity required would be approximately 7.2 Tbps. Please confirm the required OTN cross-connection capability.Since the 100G, 10G, and 1G client interfaces cannot be supported on a single module, please confirm whether we may propose separate traffic modules for these client types. Additionally, 10G traffic can also be extracted using an MPO cable by cascading 10G ports, so please confirm if we may propose this option as well. Technically, whether the 10G traffic is extracted using SFP+ ports or through MPO, there is no difference in features or application. Normally, industry standards specify that two cuts are sufficient for restoration, so it is unclear why the traffic needs to be transmitted in 6 directions. Using 6 directions will create commercial obligations and may also impact operational simplicity. Therefore, our suggestion is to restrict the traffic to either 3 or 4 directions, as the solution was prepared similarly in Tender #013, #015, #009, and #010. As per RailTel metro and long-haul network design, only 1+1 protection has been configured for a long time and has been working well during fiber-cut scenarios, as fiber cuts are relatively infrequent in the RailTel network. Therefore, we request that the traffic transmission be restricted to a maximum of 3 directions.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
3	Bay Datacom	3.A.3.1 C DESIGN OF NETWORK Traffic Cards (Line & Client) in day	16	At Tier-2 Locations (other than Tier-1 locations), Offered equipment shall support at least 800G Line capacity with following interfaces.i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction.ii. Nos of multi-rate client Ports: 4x10GE/OTU2/OTU2e SFP+ & 8x1GE /STM1/STM4/STM16 SFP equipped with LR optics (10km)	Request to revise the change of AMC percentage from 3.5% to 5% since 3.5% is very less to provide long term maintenance support. Also as per Railtel recent tender ref No RailTel/Tender/SLT/CO/Project/2025-26/DWDM/020 Dated: 23.07.2025, Its mentioned 5% per annum towards Long Term Maintenance Support after completion of warranty period.	Please read Clause 4.A.3 of Tender document.
4	Bay Datacom	3.A.3.2.4 DESIGN OF NETWORK Following shall support	17	200G uplink should be able to configure with QPSK/8QAM/16QAM whereas when configured in 100G it should support QPSK modulation.	As per the requirement, 200G should be configurable with QPSK/8QAM/16QAM modulation formats, and we understand that any of these modulation schemes should be supported at the 200G line rate. Please confirm.There is a significant difference in reachability between 200G QPSK and 16QAM. If 16QAM is used, the requirement for regeneration will be much higher compared to QPSK. If additional regeneration is required, please confirm whether RailTel will provide the necessary additional hardware to enable 200G channel operation.	May please refer clause 3.A.3.2 of CHAPTER-3A of Tender .
5	Nokia	3.A.3.1 B DESIGN OF NETWORK	16	At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces.	As we understand there are 6 ciites (including Chennai) are tier-I but in Annexure-II, Chennai is mentioned Tier II, Kindly confirm.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
6	Nokia	3.A.3.1 B (i) DESIGN OF NETWORK	16	Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. The OEM/Bidder can have option to propose an Optical Protection Switch (OPS)-based solution for inter-location connectivity where multiple optical links exist between the same pair of locations.	Please confirm same clause is applicable for tier-2 City configuration as well.	Optical Protection Switch (OPS)-based solution is applicable to both Tier-1 and Tier-2 deployments. The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
7	Nokia	Annexure-II, B. LINKS	153	SL. NO. 31: Link ADI-ST, ADI-ANND-PRTN-PLJ-ST & SL. NO. 32: Link ADI-ST, VIA TTSL	Please confirm both links has same source and destination(Work & Protect) or both needs to be considered independent.	Both links are having same source and destination, Bidder can propose Optical Protection Switch (OPS)-based solution for these Links .The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
8	Nokia	3.A.3.1 B (i) DESIGN OF NETWORK	16	Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction.	Please confirm 200G coherent uplink ports needs to be considered based on the Link detail as mentioned in Annexure-I, B. LINKS detail.	As per Topology (Annexure-I).
9	Nokia	Annexure-II, B. LINKS	151 & 153	Annexure-II, A. LOCATIONS Station Name is Ludhina, and Station code is LDH, where as in Annexure B. LINKS, SL. No. 6, Link Name is BTI-LUD.	Please confirm Station code mentioned in this Link LUD is LDH.	LDH and LUD is same location
10	Nokia	3.A.4.17.1 TRAINING OF PURCHASER'S PERSONNEL	22	15 days man week training on the equipment and network operation shall be provided by the Tenderer to RailTel in RailTel/OEM/Bidder premises with no cost to RailTel.	Pls clarify if traning requirment is for 1 week of training for 15 people.	In two batches
11	Ganpati	4.A.12.1 (3) Eligibility Criteria Requirements for Bidders- Technical Capability	45	The Tenderer must have successfully completed any of the following during last 07(seven) years,ending last of month previous to the one in which tender is invited	The Tenderer/OEM must have successfully completed any of the following during last 07(seven) years,ending last of month previous to the one in which tender is invited	Tender clause is Clear
12	Ganpati	4.A.12.1 (3) Eligibility Criteria Requirements for Bidders- Technical Capability	46	# Similar Work: Projects of Telecom Transmission Network /DWDM/OTN/IT /Data Network /Broadband Network /Radio Network in Government /PSUs /Telecom Service Providers network /ISP Network.	# Similar Work: Projects of Telecom Transmission Network /DWDM/OTN/IT /Data Network /Broadband Network /Radio Network in Government /PSUs /Telecom Service Providers network /ISP Network/SMPS & Battery Bank	Tender clause is Clear

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
13	Arsenal	4.A.6. 1 PERFORMANCE BANK GUARANTEE (SECURITY DEPOSIT)	41	The successful bidder has to furnish security deposit in the form of Performance Bank guarantee @ 10% of issued PO/ LOA value, the same should be submitted within 30 days of issue of LOA/PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO. This PBG should be from a Scheduled Bank and should cover warranty & AMC period plus four months for lodging the claim. The performance Bank Guarantee will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty and AMC obligations, under the contract.	We wish to respectfully highlight that the existing tender conditions do not include the provision for submitting Insurance Surety Bonds in lieu of the Earnest Money Deposit (EMD) and Performance Bank Guarantee (PBG). In alignment with the Ministry of Finance (Department of Expenditure) directives, bidders are allowed to use Insurance Surety Bonds as an acceptable instrument for both EMD and PBG requirements. Therefore, we request that the tender terms be suitably amended to incorporate this provision and enable bidders to submit Insurance Surety Bonds for fulfilling the EMD and PBG obligations.	EMD as Surety Bond is agreed. Please see Corrigendum Point no. 01. PBG as Insurance Surety Bond is not agreed.
14	Arsenal	4.A.22.1 EARNEST MONEY DEPOSIT (EMD)	63	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.		Please see Corrigendum, Point-06
15	Arsenal	7.6.2 PBG	141	The contractor is required to submit a Performance Bank Guarantee (PBG) within 30 days from the date of issue of LOA for AMC @ 10% of the total AMC cost of five years valid for a period 3 months beyond the AMC period of 5 years from the date of issue of LOA. The Proforma for PBG is given in Form No. 1 of tender document. If the AMC period got extended, the PBG will also be extended accordingly.		Please see Corrigendum, Point-06
16	SISL	3.A.2.1	15	Project Management, Supply of all related goods and providing all related services including custom clearance if required, transportation, installation, testing, commissioning & AT of the telecom system and training of RailTel personnel. The bidder is requested to design the DWDM system with a minimum line rate of 200Gbps or more per channel (single carrier). Proposed Traffic module shall have capability support 400G or higher line rate capacity (single carrier). DWDM OTN system shall support ‘C band’ as per ITU-T grid for the green field network. The DWDM OTN Solution offered (Chassis) shall support minimum capacity of 2.4 Tbps. Platform should support Centralized or on-board OTN cross connection capability. Platform should support up to 6-degree Cross Connection capability.	As per the requirement, the traffic module shall support a 400G or higher line-rate capacity with an OTN cross-connection capability of 2.4 Tbps using 6 degrees. However, if the traffic is distributed across 6 directions with a 400G line rate, then a minimum OTN cross-connection capacity of 4.8 Tbps is required; otherwise, the traffic module line rate cannot be upgraded to 400G. Please confirm	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
17	SISL	3.A.3.1.B	16	At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces. i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. The OEM/Bidder can have option to propose an Optical Protection Switch (OPS)-based solution for inter-location connectivity where multiple optical links exist between the same pair of locations. ii. Nos of 10G client Ports: 16x10GE/OTU2/OTU2e SFP+ equipped with LR optics (10km). iii. Nos of multi-rate client Ports: 8x1GE /STM1/ STM4/STM16 SFP equipped with LR optics (10km). iv. Nos of 100G client Ports: 4x100GE/OTU4 QSFP28 equipped with LR optics (10km).	As per clause 3.A.2.1, the DWDM OTN solution (chassis) shall support a minimum capacity of 2.4 Tbps, and as per clause 3.A.3.1.B, the required client traffic is 16×10G + 8×1G + 4×100G, which is approximately 600G in total. If this 600G client traffic has to be transmitted in 6 directions using a 400G line rate, please confirm how this transmission is expected to be achieved. If 600G client traffic must be distributed across 6 directions, then the minimum OTN cross-connection capacity required would be approximately 7.2 Tbps. Please confirm the required OTN cross-connection capability. Since the 100G, 10G, and 1G client interfaces cannot be supported on a single module, please confirm whether we may propose separate traffic modules for these client types. Additionally, 10G traffic can also be extracted using an MPO cable by cascading 10G ports, so please confirm if we may propose this option as well. Technically, whether the 10G traffic is extracted using SFP+ ports or through MPO, there is no difference in features or application. Normally, industry standards specify that two cuts are sufficient for restoration, so it is unclear why the traffic needs to be transmitted in 6 directions. Using 6 directions will create commercial obligations and may also impact operational simplicity. Therefore, our suggestion is to restrict the traffic to either 3 or 4 directions, as the solution was prepared similarly in Tender #013, #015, #009, and #010. As per RailTel metro and long-haul network design, only 1+1 protection has been configured for a long time and has been working well during fiber-cut scenarios, as fiber cuts are relatively infrequent in the RailTel network. Therefore, we request that the traffic transmission be restricted to a maximum of 3 directions.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
18	SISL	3.A.3.1.C	16	At Tier-2 Locations (other than Tier-1 locations), Offered equipment shall support at least 800G Line capacity with following interfaces. i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. ii. Nos of multi-rate client Ports: 4x10GE/OTU2/OTU2e SFP+ & 8x1GE /STM1 /STM4/STM16 SFP equipped with LR optics (10km)	As per the client traffic requirement, only 4×10GE is needed, and this can be supported even with a 100G line rate. In that case, what is the benefit of having a 200G line rate on Day-1, If any additional traffic is required in the future, an extra line port can be added to transmit it. Therefore, please confirm the purpose of mandating a 200G line rate on Day-1.	Pass through traffic will be there in these Tier-2 Locations . Bidders shall propose their solutions in accordance with the tender conditions.
19	SISL	3.A.3.2.4	17	200G uplink should be able to configure with QPSK/8QAM/16QAM whereas when configured in 100G it should support QPSK modulation.	As per the requirement, 200G should be configurable with QPSK/8QAM/16QAM modulation formats, and we understand that any of these modulation schemes should be supported at the 200G line rate. Please confirm. There is a significant difference in reachability between 200G QPSK and 16QAM. If 16QAM is used, the requirement for regeneration will be much higher compared to QPSK. If additional regeneration is required, please confirm whether RailTel will provide the necessary additional hardware to enable 200G channel operation.	May please refer clause 3.A.3.2 of CHAPTER-3A of Tender .
20	SISL	4.A.41.1	68	Preference to Make in India: The provisions of the revised “Public Procurement (Preference to Make in India) Order 2017-revision” dated 19-07-2024 (or subsequent revisions, if any till opening of tender) by Department of Promotion of Industry and Internal Trade (DPIIT), GoI shall apply to this tender.	We understand MII clause is applicable in this RFP. However, there are very few OEMs who are meeting the technical specifications but they are not falling under MII guideline. Kindly suggest if MII clause can be relaxed for this RFP.	Tender clause is Clear
21	Praruh	7.6.2 Performance Bank Guarantee	141	The contractor is required to submit a Performance Bank Guarantee (PBG) within 30 days from the date of issue of LOA for AMC @ 10% of the total AMC cost of five years valid for a period 3 months beyond the AMC period of 5 years from the date of issue of LOA. The Proforma for PBG is given in Form No. 1 of tender document. If the AMC period got extended, the PBG will also be extended accordingly.	We would like to bring to your kind notice that the current tender document does not provide the option to submit Insurance Surety Bonds against the EMD and Performance Bank Guarantee (PBG). As per the Ministry of Finance (Department of Expenditure) guidelines, bidders are permitted to submit Insurance Surety Bonds as a valid alternative to traditional instruments for both EMD and PBG. In view of the above, we kindly request you to incorporate the clause allowing submission of Insurance Surety Bonds for EMD and PBG in the tender document and permit bidders to furnish the same. Ministry of Finance guildlines link attached for your ready reference.	Please see Corrigendum, Point-06

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
22	Praruh	7.6.4 Payment Terms	141	AMC charges shall be paid on quarterly basis by the respective Regional General Managers/ Executive Director of the concerned Region after successful completion of maintenance within 30 days from the date of invoicing accompanied with Invoice, Monthly trouble ticket report, Monthly repair report subject to any deductions or recovery (which the RailTel may be entitled to make under contract) through RTGS. Monthly reports will be shared with RailTel regularly. Format will be mutually decided by RailTel and Contractor.	In the previous RailTel tenders, the below AMC payment terms were included, but the same clause is not mentioned in this tender. Request you to please add the AMC payment clause. (Previous Railtel tender no. for your reference- RailTel/Tender/OT/CO/TP/2025-26/Internet Gateway & Security system/06 Dated: 12.11.2025 & RailTel/Tender/OT/CO/TP/2025-26/ITSM/04) **Note: If the bidder intends to claim advance payment against the Annual Maintenance Cost, Bidder shall provide a Performance Bank Guarantee (PBG) equivalent to the amount claimed and claimed period plus four months along with a valid warranty certificate from the OEM.** Also, as per Ministry of Finance guidelines, Insurance Surety Bond is allowed against PBG. Request you to please include this option and allow us to submit Insurance Surety Bond for PBG. https://doe.gov.in/files/circulars_document/FInal_GFR_upto_31_07_2024.pdf https://doe.gov.in/files/circulars_document/Amendment_to_General_Financial_Rules_2017_0.pdf https://doe.gov.in/files/circulars_document/Amendment_in_General_Financial_Rules_2017_Rule_171_i_Performance_Security_Regarding.pdf	Tender clause is Clear
23	Praruh	4.A.6.1 Performance Bank Guarantee (Security Deposit)	41	The successful bidder has to furnish security deposit in the form of Performance Bank guarantee @ 10% of issued PO/ LOA value, the same should be submitted within 30 days of issue of LOA/PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO. This PBG should be from a Scheduled Bank and should cover warranty & AMC period plus four months for lodging the claim. The performance Bank Guarantee will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty and AMC obligations, under the contract.	We would like to bring to your kind notice that the current tender document does not provide the option to submit Insurance Surety Bonds against the EMD and Performance Bank Guarantee (PBG). As per the Ministry of Finance (Department of Expenditure) guidelines, bidders are permitted to submit Insurance Surety Bonds as a valid alternative to traditional instruments for both EMD and PBG. In view of the above, we kindly request you to incorporate the clause allowing submission of Insurance Surety Bonds for EMD and PBG in the tender document and permit bidders to furnish the same.	EMD as Surety Bond is agreed. Please see Corrigendum Point no. 01. PBG as Insurance Surety Bond is not agreed.
24	Praruh	4.A.22.1 EARNEST MONEY DEPOSIT (EMD) AND COST OF TENDER DOCUMENT	62-63	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 would like to bring to your kind notice that the current tender document does not provide the option to submit Insurance Surety Bonds against the EMD and Performance Bank Guarantee (PBG). As per the Ministry of Finance (Department of Expenditure) guidelines, bidders are permitted to submit Insurance Surety Bonds as a valid alternative to traditional instruments for both EMD and PBG. In view of the above, we kindly request you to incorporate the clause allowing submission of Insurance Surety Bonds for EMD and PBG in the tender document and permit bidders to furnish the same.	EMD as Surety Bond is agreed. Please see Corrigendum Point no. 01. PBG as Insurance Surety Bond is not agreed.
25	Praruh	3.A.3.1 DESIGN OF NETWORK. B	16	At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces.	As we understand there are 6 ciites (including Chennai) are tier-I but in Annexure-II, Chennai is mentioned Tier II, Kindly confirm.	Chennai is Tier-1 Location
26	Praruh	3.A.3.1 DESIGN OF NETWORK. B.i	16	Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. The OEM/Bidder can have option to propose an Optical Protection Switch (OPS)-based solution for inter-location connectivity where multiple optical links exist between the same pair of locations.	Please confirm same clause is applicable for tier-2 City configuration as well.	Optical Protection Switch (OPS)-based solution is applicable to both Tier-1 and Tier-2 deployments. The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
27	Praruh	Annexure-II, B. LINKS	153	SL. NO. 31: Link ADI-ST, ADI-ANND-PRTN-PLJ-ST & SL. NO. 32: Link ADI-ST, VIA TTSL	Please confirm both links has same source and destination(Work & Protect) or both needs to be considered independent.	Both links are having same source and destination, Bidder can propose Optical Protection Switch (OPS)-based solution for these Links .The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
28	Praruh	3.A.3.1 DESIGN OF NETWORK. B.i	16	Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction.	Please confirm 200G coherent uplink ports needs to be considered based on the Link detail as mentioned in Annexure-I, B. LINKS detail.	As per Topology (Annexure-I).
29	Praruh	Annexure-II, B. LINKS	151 & 153	Annexure-II, A. LOCATIONS Station Name is Ludhina, and Station code is LDH, where as in Annexure B. LINKS, SL. No. 6, Link Name is BTI-LUD.	Please confirm Station code mentioned in this Link LUD is LDH.	LDH and LUD is same location
30	Praruh	3.A.4.17 TRAINING OF PURCHASER’S PERSONNEL	22	15 days man week training on the equipment and network operation shall be provided by the Tenderer to RailTel in RailTel/OEM/Bidder premises with no cost to RailTel.	Pls clarify if traning requirment is for 1 week of training for 15 people.	In two batches
31	Sterlite	4.A.22. EARNEST MONEY DEPOSIT (EMD) AND COST OF TENDER DOCUMENT	63	4.A.22.1 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.	Please allowing the use of Insurance Surety Bonds (ISB) as an alternative to EMD requirements as per powers conferred under Section 14 (2) (i) of IRDA Act, 1999 & IRDA Guidelines issuedvide IRDAI/NL/GDL/SIC/01/01/2022 3rd January, 2022. We kindly request your office to permit the submission of our EMD in the form of an Insurance Surety Bond. Many other government tenders already explicitly accept ISBs as a valid form of EMD/Bid Security.This would not only align with recent government practices but also facilitate the ease of compliance for various bidders, as well as ensure timely participation in the tendering process.	EMD as Surety Bond is agreed. Please see Corrigendum Point no. 01. PBG as Insurance Surety Bond is not agreed.
32	Sterlite	Clause 4.A.4, Chapter-4A	87	Delivery, installation, Commissioning & Integration period 90 days from date of issue of LOA/Purchase Order	Due to constraints in the delivery of materials to the site—since product delivery generally requires 10–12 weeks, followed by an additional 8–10 weeks for equipment installation across multiple sites—we request that the project timeline be extended from 90 days to 180 days.	Tender clause is Clear

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
33	Tejas	3A & 3.A.2/1	15	Project Management, Supply of all related goods and providing all related services including custom clearance if required, transportation, installation, testing, commissioning & AT of the telecom system and training of RailTel personnel. The bidder is requested to design the DWDM system with a minimum line rate of 200Gbps or more per channel (single carrier). Proposed Traffic module shall have capability support 400G or higher line rate capacity (single carrier). DWDM OTN system shall support 'C band' as per ITU-T grid for the green field network. The DWDM OTN Solution offered (Chassis) shall support minimum capacity of 2.4 Tbps. Platform should support Centralized or on-board OTN cross connection capability. Platform should support up to 6-degree Cross Connection capability.	As per Clause No. 3.A.3.1 – **Traffic Cards (Line & Client) in Day-1**, we would like to humbly request consideration for the following points. These changes will not dilute the ultimate requirement of the tender but will provide flexibility and cost optimization: **1) Line Rate Requirement:** Current clause mandates a minimum line rate of 200G and also requires support for 400G or higher line rate capacity. **Our request:** Please make the 400G or higher line rate upgradation optional, not mandatory. This will allow vendors to offer cost-effective solutions while still meeting the end cusromer requirement. **Cross-Connect Capacity:** Current clause asks for a minimum capacity of 2.4 Tbps. **Our request:** Based on the required traffic, 1.6 Tbps cross-connect capacity is more than sufficient. We request that minimum capacity should be reduced from 2.4T to 1.6T as cross-connect capacity. These adjustments will ensure compliance with the tender's objectives while enabling competitive pricing and broader participation from OEMs. We kindly request your approval for these changes.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
34	Tejas	3A & 3.A.2/4	15	The platform should have single Chassis base system, house with Traffic cards, cards and controller cards.	We respectfully request the competent authority to allow multi-chassis architecture in the tender. This is because the tender specifies multiple requirements, including: 1) Support for different types of interfaces 2) Provision for Optical Line Protection (OLP) for direct connectivity Meeting all these requirements within a single chassis may lead to design limitations and increased cost and will restrict our particiption. Allowing multi-chassis will provide Flexibility to accommodate diverse interface types and Cost optimization without compromising performance or reliability We assure that permitting multi-chassis will not dilute the ultimate requirement of the tender and will help achieve the objectives effectively. Kindly consider this request and grant approval.	Bidder/OEM can propose external chassis for Optical Line Protection (OLP) only . However The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
35	Tejas	3A 3.A.3.1 D/2	16	Traffic module should support Test Set capability on board so that external test equipment is not allowed.	PLM please comment on it's support	Tender clause is Clear
36	Tejas	3A & 3.A..3.1 D/7	16	Line interface should support 100G to 400G line rate to enable rate selection based on the requirement in case required.	Request to competative authority please amed the clause as "Line interface should support 100G to 200G".	Tender clause is Clear
37	Tejas	3A & 3.A.3.2 (1)	17	Rack Space Allocation: RailTel will provide the following infrastructure support for network (Active Modules) deployment: Up to 12 RU. Proposed Equipment should be mount in 300-mm ETSI One Rack and 12 RU Space in existing Rack.	As per the tender specifications, the rack depth has been mentioned as 300mm. Considering newer equipment designs for better airflow and cable management requirement, **we request equipment depth to be flexible upto 800mm of racks. It will help us overcome the challenge of depth of 300mm and hence enable participation from leading domestic OEM like Tejas.**	In case additional space is required, the Bidder/OEM shall provide a smart 42- RU rack with a cooling capacity of 2 kW in rack, along with provision for an external outdoor unit.
38	Tejas	3A & 3.A.3.2 (5)	18	End to end OSNR support for QPSK modulation 11db for 100G and 15 db for 200G services.	As the tender specifies L1 ASON and there is no In-Line Amplifier (ILA) involved, stringent OSNR requirements may not be necessary. Relaxing these specifications will ensure practical feasibility and cost optimization without compromising performance. Proposed OSNR Range: 100G channels: 11 dB – 12 dB 200G channels: 15 dB – 18 dB These values are widely supported by all major OEMs and are generally available in the market. Adopting this range will provide RailTel with a competitive cost advantage while maintaining industry-standard performance. We believe this adjustment will encourage broader participation and better pricing from vendors. Hence request you to accept propose suggestion/solution.	A relaxation of 0.5 dB is permitted for 100G and 0.2 db for 200G channels. However, for 200G channels, the bidder can propose a dual-carrier based solution to ensure compliance with the end-to-end OSNR requirements and the functionality specified in the tender.
39	Tejas	3A & 3.A.3.2 (11)	18	<table><tr><th>SN</th><th>Active Component</th><th>Types of Models allowed</th></tr><tr><td>1</td><td>Chassis</td><td>Max. One Type</td></tr></table>	Request to competent authority please allow multi-chassis. This is because tender is asking multiple requirement like multiple type of interface and OLP for the direct connectivity etc.	Bidder/OEM can propose external chassis for Optical Line Protection (OLP) only . However The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.
40	Tejas	3A & 3.A.3.2 (15)	18	Equipment should have power Supply and Filter 1+1 for redundant.	Redundancy for Power Supply is standard requirement. Please calrify regarding filters	Tender clause is Clear
41	Tejas	4.A.12.1 & 4.A.41.1 (3, iv, vi)	44, 68-70	Eligibility Criteria of the bidders, 2018 DoT PPP-MII Policy & OM dated 19.02.2020	We would like to bring to your notice that the current RFP invariably intents to procure notified goods which are covered in the PPP-MII policy including the Nodal Ministry order. The eligibility criteria seeks past experience of DWDM/ Optical Transport Equipment deployment and inline to the 2018 & 2024 Nodal Ministry gazette orders, the items are notified at sr. no. 9, 10 & 10, 11 respectively. Further, these items are listed explicitly in the OM dated 19.02.2020. In view of the same, we request you to review and implement the DPIIT's approved DoT gazette order allowing products meeting the stipulated local content criteria as per the orders.	Tender clause is Clear

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
42	Tejas	4.A.41. (IV) Public Procurement:	68	As per para 9 of PPP-MIII order 16.09.2020, bidder shall be required to indicate percentage of local content and provide self-certification in his bid (without mention of any price) that the item offered meets the local content requirement for Class-I/Class-II local supplier, as the case may be and shall also give details of the location(s) at which the local value addition is made. In case of procurement for a value in excess of Rs. 10 Crores, the bidder shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. Bidder shall upload the certificate along with their technocommercial bid. The bidder shall also provide calculation of Local Content with price Break-up of "Local Content" and "Imported Content" for each SOR item (certified by CA/Statutory Auditor) as per DPIIT's PMI Policy and its clarifications and same shall be uploaded by the bidder along with their price bid. In case of any false declaration, action shall be taken in line with the provisions of the PPP-MIII order. Performa for selfcertification regarding local content is given in the Notification No. 18-10/2017-IP dated 29th August 2018 issued by Department of Telecommunications. Self certification in the prescribed performa is required to be submitted by both bidder and OEM. The cost of transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. will not be taken into account for calculating local content in any item. The contact details of CA/Statutory Auditor along with UDIN No. shall be mandatorily mentioned on certificate from CA/Statutory Auditor.	Please refer clause 9 C at page no -6 of the revised "Public Procurement (Preference to Make in India) Order 2017-revision" dated 19-07-2024 (or subsequent revisions, if any till opening of tender) by Department of Promotion of Industry and Internal Trade (DPIIT), that to submit the Statutory Auditor certificate at the time of execution of proejct. Pls confirm.	Tender clause is Clear
43	Tejas	CHAPTER-3A (D)	26	DC distribution Box (DCDB)	From Wall mounted DCDB to Rack DCDB. Please confirm the Supply of Rack DCDB,MCBB & Power cable from Wallmount DCDB to Rack DCDB for equipment.	AC power from Mains to the Power plant Rack will be taken by the Bidder with installation of MCB/DCDB Box of required capacity.
44	Tejas	CHAPTER-7 7.4.1.1-1	139	The Contractor will take- over the defective cards/SFPs from RNOC/site where equipment is installed and hand-over the repaired card at the same location. The following activities will be performed by the contractor:	As a standard industry practise,Railtel has to ship the cards from their sites /NOCs to Supplier Repair Centre. After Repair Supplier Shall ship the repaired unit to customer location..Please clarify	Tender clause is Clear
45	Tejas	CHAPTER-7 7.4.1.1-3	139	There will be initial one time activity of all existing faulty cards being repaired by Contractor before commencement of the AMC. AMC will cover only equipments which are in working condition.	Railtel to provide list of existing faulty cards before commencement of AMC.Once received Tejas will verify the cards are repairable or non repairable.Railtel should not send any burnt/damage/Water Seepage cards to Tejas, in case any cards received by Tejas in burnt/Physical damage condition, Tejas will return back such cards in same condition. A card will be considered burnt/physically broken if it is so visible to naked eye or with tests at Lab/equipment's.Physical inspection +logistics cost +Taxes Per card to be paid if card is declared as not repairable.Separate R&R quote will be provided for these repairable cards and then once PO received cards will be repaired. Is the understanding correct, please confirm.	Tender clause is Clear
46	Tejas	CHAPTER-7 7.4.1.1-4	139	The received defective part will be got repaired by the contractor within 30 days from the date of receiving and will be installed/handed over to RailTel authorized representative at NOC/site. The contractor will also give probable reason for repeated failure of cards/ modules.	R&R TAT is 30 calender days.Tejas shall repair the defective product/Card/Module and ship it back to Railtel within 30 calender days Turnaround Time (TAT) from the date of product/Card/module received at Tejas repair center. Please clarify	Tender clause is Clear
47	Tejas	CHAPTER-7 7.4.2	140	If any part goes beyond repair due to Contractor at the time of repair being carried out, this is to be communicated to RailTel and after agreed upon, it will be labeled as "unworkable". If it will be required to deploy a new part on that location that will be provided by the contractor to RailTel free of cost. To achieve this, contractor is required to always keep adequate spares with it during the period of AMC. However, this excludes damaged, spoiled, rusted or misused parts. Any such parts will be not-repairable and no replacements shall be provided by contractor. RailTel will have to purchase fresh spares in case the cards are non repairable due to these reasons.	Please consider along with damaged,spoiled and rusted or misued parts water seepage, burnt/Physical damage condition should also be considered as part of not repairable parts.	Only Water seepage (on account of RailTel) and Physical damage condition (on account of RailTel) should be considered as part of not repairable parts. Howevre, Burnt should be considered as manufacturing defect and Bidder should arrange the alternate spare card/module for the same.
48	Tejas	CHAPTER-7 7.5.2	140	**Duration of Repair - Deduction/Penalties** 1.More than 30 days and upto 40 days (from the date of receipt) 10% of the cost of affected part/module 2.More than 40 days and upto 50 days (from the date of receipt) 25% of the cost of affected part/module 3.More than 50 days and upto 60 days (from the date of receipt) .75% of the cost of affected part/module 4.More than 60 days (from the date of receipt) Full cost of affected part/module	Ideally the penalty % should be AMC cost of the affected part/module. Penalty % is of AMC cost of the affected part/module or Supply cost of the affected part/module.Please clarify	Tender clause is Clear
49	Tejas	Annexure-III 6.1.2 & 6.2.2	158	Run the 48 hours RFC test long-term test for 100GbE/ 10GbE client service: Traffic is running error free.	During the 48 Hrs RFC testing,in case of fiber cut in the network (Due to customer fiber/infra issue) How many time we have to perform the RFC test again.Please clarify	Tender clause is Clear
50	TCTSL	For Project Management			Project Milestone	Tender clause is Clear
51	TCTSL	For OTN Design purpose			Traffic matrix or Heat Map	Tender clause is Clear
52	TCTSL	For OTN Design purpose			Site Lat Long, Type (Indoor/Outdoor), Current consumption (In Amp), Topology diagram, DWDM Segment - Distance and fiber losses	Tender clause is Clear
53	TCTSL	Acceptance test			AT format - Power Plant and OTN Testing	Tender clause is Clear
54	TCTSL	Infra			EB Supply - Single phase at all sites?	Tender clause is Clear
55	TCTSL	Infra			How the single phase will be extended, will be the raw supply or extension from another SMPS	Tender clause is Clear
56	TCTSL	Infra			Understand that RAILTEL needs 1+0 SMPS with 1+0 battery set up. It's not 1+1 set up for redundancy.	Tender clause is Clear
57	TCTSL	Infra			Will the new power plant be used for existing DWDM equipment? If yes, who will do the cut over	Tender clause is Clear
58	TCTSL	Infra			Earthing - only extension is required from Bus bar mounted in wall to the rack and equipment. Earthing pit is the responsibility of RAILTEL	Earthing pit is the responsibility of RAILTEL.
59	TCTSL	Infra			RAILTEL has to own the cooling of OTN equipment inside shelter. Direction of the cooling should be towards OTN equipment	Tender clause is Clear
60	TCTSL	Infra			Dust free environment - RAILtel responsibility	Tender clause is Clear
61	TCTSL	3.A.5.1.B	24	The technical specification of SMPS based power plant battery charger 230V AC/48V DC 50 Amp UC with 25A (2+1), Single phase SMPS Based Battery Charges with Two(2) Battery paths for VRLA Maintenance free Battery along with lightening Protection unit (LPU) and surge protection device and DCDB (with all connecting materials)	Why Two(2) Battery paths for VRLA Maintenance free Battery is mentioned while the requirement is single Lithium-Ion battery	Please see Corrigendum, Point-07
62	TCTSL	OTN I&C			Will the OTN equipment installation in the same floor of DWDM at all sites	Tender clause is Clear
63	TCTSL	OTN I&C			OTN equipment to be installed in RAILTEL Indoor Rack and Power plant to be installed in 19 inch Telecom rack?	Tender clause is Clear
64	TCTSL	Spare			Chassis or Card BER (Beyond Economic repair) cases during AMC - whose responsibility?	Tender clause is Clear
65	TCTSL	Contracting Framework			**Contracting Framework**: Please confirm the legal framework that will govern the engagement. Will the RFP terms form the final contract, or will a separate, detailed contract be issued post-award?	Tender clause is Clear

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
66	TCTSL				Limitation of Liability: The RFP does not specify any limitation of liability. We propose the following clause: "NOTWITHSTANDING ANY OTHER PROVISION HEREOF, NEITHER PARTY NOR ITS AFFILIATES SHALL BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES (INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST PROFITS, LOST REVENUES, LOSS OF GOODWILL, LOSS OF ANTICIPATED SAVINGS, LOSS OF CUSTOMERS, LOSS OF DATA, INTERFERENCE WITH BUSINESS OR COST OF PURCHASING REPLACEMENT SERVICES) ARISING OUT OF THE PERFORMANCE OR FAILURE TO PERFORM UNDER ANY PURSUANT SOW OR THESE TERMS AND CONDITIONS, WHETHER OR NOT CAUSED BY THE ACTS OR OMISSIONS OR NEGLIGENCE OF ITS EMPLOYEES OR AGENTS OR SUBSIDIARIES OR THEIR EMPLOYEES OR AGENTS, AND REGARDLESS OF WHETHER SUCH PARTY HAS BEEN INFORMED OF THE POSSIBILITY OF THE LIKELIHOOD OF SUCH DAMAGES. Contractors (and Contractors' affiliates') total and aggregate liability, for any and all claims, under the Agreement and all SOWs/ Purchase Orders issued/ executed hereunder shall in no event exceed the Fees paid or payable over the prior twelve (12) months by Purchaser under the respective Purchase Order under which such liability arose."	Tender clause is Clear
67	TCTSL	Termination (4.A.30.1)			Termination (4.A.30.1): The termination clause appears unilateral and does not specify any cure period. Please confirm if the final contract will provide mutual termination rights and a reasonable cure period before termination for cause.	Tender clause is Clear
68	TCTSL	4.A.12.1 Eligibility Criteria Requirements for Bidders: Technical Capability: (sr.no 3)	45		kindly note that we have NDA signed with all our customers / partner it may be a breach of confidentiality if we share the PO copies, Please let us know if it is ok to submit a masked PO with limited details visible. We may be able to submit the CA certificate stating the same.	For client credentials where NDA has been signed, the bidder may submit the corresponding NDA document along with a self-declaration confirming the requirements of the eligibility criteria for which the NDA is being submitted. Also, CA Certificate may be given along with masked POs.
69	Delta	3.A.5.1	22	3.A.5.1 TECHNICAL REQUIREMENTS & SPECIFICATIONS A. For Lithium Ion Battery 1) For 48V/ 100 AH (100AH x1) Lithium-Ion Battery sets along with Indoor Rack: The technical specification of 48V/100 AH (100AH x1) Lithium-Ion battery should generally conform to TEC spec. No. TEC 67030:2024 or Latest. Special Note: Scope of Installation & Commissioning of Lithium-Ion Batteries: a) Bidder has to erect and commission the battery bank. b) Bidder has to record the individual cell and output voltages in charge mode. c) Bidder has to visit during final commissioning and integration with charger as and when required (By phone/Physically). Note: Indoor Rack for Lithium Ion Battery to cater up to 600Ah Ultimate Capacity	Is battery rack a separate enclosure? Or Can we consider it as part Power supply rack (Like BSNL composite rack in which battery and power system both are housed in one single rack)	Bidder/OEM can propose single rack in housed Charger & Battery.
70	Delta	3.A.5.1	22	2) For 48V/ 200 AH (100AH x2) Lithium-Ion Battery sets along with Indoor Rack: The technical specification of 48V/200 AH (100AH x2) Lithium-Ion battery should generally conform to TEC spec. No. TEC 67030:2024 or Latest. Special Note: Scope of Installation & Commissioning of Lithium-Ion Batteries: a) Bidder has to erect and commission the battery bank. b) Bidder has to record the individual cell and output voltages in charge mode. c) Bidder has to visit during final commissioning and integration with charger as and when required (By phone/Physically). Note: Indoor Rack for Lithium Ion Battery to cater up to 600Ah Ultimate Capacity	Is battery rack a separate enclosure? Or Can we consider it as part Power supply rack (Like BSNL composite rack in which battery and power system both are housed in one single rack)	Bidder/OEM can propose single rack in housed Charger & Battery.
71	Delta	3.A.5		3) For 48V/ 1000 AH (100AH x10) Lithium-Ion Battery sets along with Indoor Rack: The technical specification of 48V/100 AH (100AH x10) Lithium-Ion battery should generally conform to TEC spec. No. TEC 67030:2024 OR any other Combination as per TEC. Special Note: Scope of Installation & Commissioning of Lithium-Ion Batteries: a) Bidder has to erect and commission the battery bank. b) Bidder has to record the individual cell and output voltages in charge mode. c) Bidder has to visit during final commissioning and integration with charger as and when required (By phone/Physically). Note: Indoor Rack for Lithium Ion Battery to cater up to 600Ah Ultimate Capacity	Is battery rack a separate enclosure? Or For 1000AH, do we need to consider two separate battery rack of 600AH capacity ?	Bidder/OEM can propose single rack in housed Charger & Battery.

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<table>
<tr><th>SN</th><th>Firm Name</th><th>Clause No. & Chapter No.</th><th>Page No.</th><th>Description of clause</th><th>Query of the bidder</th><th>RailTel Response</th></tr>
<tr><td>72</td><td>Delta</td><td>3.A.5</td><td>27</td><td>Table:
<table>
<tr><td>Scope of Installation</td><td>Length of cable (maximum)</td><td>Specification of cable for 25A Single Phase (3+1)/ 50A (2+1)</td><td>Specification of cable for 25A Single Phase (6+2)</td><td>Specification of cable for 50 A Single Phase (6+2)</td><td>Specification of cable for 100 A Three Phase (6+2)</td></tr>
<tr><td>AC Main to Charger</td><td>*25 Mtr</td><td>16 Sq mm, Copper (Red & Black)</td><td>16 Sq mm, Copper (Red & Black)</td><td>150 Sq mm, 2-Core, Copper (Red & Black)</td><td>50 Sq mm 3.5- Core, Copper</td></tr>
<tr><td>Charger to load</td><td>*25 Mtr</td><td>35 Sq mm Copper, (Red & Black)</td><td>35 Sq mm Copper, (Red & Black)</td><td>185 Sq mm Copper, (Red & Black)</td><td>370 (2 x 185) Sq mm Copper, Red & Black</td></tr>
<tr><td>Charger to battery</td><td>*5 Mtr</td><td>35 Sq mm Copper, (Red & Black)</td><td>35 Sq mm Copper, (Red & Black)</td><td>185 Sq mm Copper, (Red & Black)</td><td>150 Sq mm Copper, Red & Black</td></tr>
<tr><td>Earth cable</td><td>*25 Mtr</td><td>16 Sq mm Copper (Green)</td><td>16 Sq mm Copper (Green)</td><td>35 Sq mm Copper (Green)</td><td>35 Sq mm Copper</td></tr>
</table></td><td>Is battery rack a separate enclosure?
Or
Can we consider it as part Power supply rack? (Like BSNL composite rack in which battery and power system both are housed in one single rack)
(If it is a composite rack, then Charger to Battery cable 5mtr requirement need to be revised).</td><td>In case of single rack for housed Charger & Battery, Bidder can propose Charger to Battery cable based on actual requirement .</td></tr>
<tr><td>73</td><td>Delta</td><td>4.A.5.1 & 4.A.5.2</td><td>40 & 41</td><td>4.A.5. PAYMENT TERMS
Payment for Supply Items: 75% payment of the value of part supply (Schedule-A) would be made on receipt of material by the consignee 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:

4.A.5.2 15% payment of the value of Schedule-A shall be made by RailTel on successful Installation & Commissioning at site and Site Acceptance Test (SAT) Report issued by concerned region. Further 5% payment of the value of Schedule-A shall be made by RailTel on issue of Provisional Acceptance Certificate (PAC) as per clause 3.B.7.1, Chapter-3B. Last 5% payment of the value of Schedule-A shall be made by RailTel on issue of Final Acceptance Certificate (FAC).</td><td>Request to please amend payment terms as below:
i) 95% of the value of the part supply of Equipment on receipt by the consignee at site duly inspected and accompanied with above mentioned documents.
ii) Balance 5% value of the part supply on successful installation & commissioning at site based on SAT report issued by concern Region. Bidder has to install and commission the equipment within 30 days from the communication by RailTel EIC (Engineer in charge) in this regard. In case installation and commissioning is delayed due to any reason beyond the control of the Contractor then 20% payment can be released after submission of a bank Guarantee of equal amount valid for a period of one year.</td><td>Tender clause is Clear</td></tr>
<tr><td>74</td><td>Delta</td><td>Clause 4.A.2.1, Chapter-4A</td><td>37 & 87</td><td>Chapter-5
Warranty of Power Plant:
Power plant (Charger and Lithium Ion Battery) are to be warranted for 66 months from date of delivery or 60 months from the date of placement in service (Site Acceptance Testing, SAT), whichever is earlier.</td><td>Request to please amend payment terms as below:
The Battery Chargers are to be warranted for 30 months from date of invoice or 24 months from the date of placement in service, whichever is earlier. The Li-Ion Batteries are to be warranted for 66 months from date of invoice or 60 months from the date of placement in service, whichever is earlier</td><td>Tender clause is Clear</td></tr>
<tr><td>75</td><td>Delta</td><td>Clause 4.A.4, Chapter-4A</td><td>87</td><td>Delivery, installation, Commissioning & Integration period
90 days from date of issue of LOA/Purchase Order.</td><td>Request to consider as below:
Delivery, installation, Commissioning & Integration period
180days from date of issue of LOA/Purchase Order.</td><td>Tender clause is Clear</td></tr>
<tr><td>76</td><td>Targus</td><td>3.A.2.1</td><td></td><td>Project Management, Supply of all related goods and providing all related services including custom clearance if required, transportation, installation, testing, commissioning & AT of the telecom system and training of RailTel personnel. The bidder is requested to design the DWDM system with a minimum line rate of 200Gbps or more per channel (single carrier). Proposed Traffic module shall have capability support 400G or higher line rate capacity (single carrier). DWDM OTN system shall support ‘C band’ as per ITU-T grid for the green field network. The DWDM OTN Solution offered (Chassis) shall support minimum capacity of 2.4 Tbps. Platform should support Centralized or on-board OTN cross connection capability. Platform should support up to 6-degree Cross Connection capability.</td><td>As per the requirement, the traffic module shall support a 400G or higher line-rate capacity with an OTN cross-connection capability of 2.4 Tbps using 6 degrees. However, if the traffic is distributed across 6 directions with a 400G line rate, then a minimum OTN cross-connection capacity of 4.8 Tbps is required; otherwise, the traffic module line rate cannot be upgraded to 400G. Please confirm</td><td>The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.</td></tr>
</table>

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SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
77	Targus	3.A.3.1.B		At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces. i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. The OEM/Bidder can have option to propose an Optical Protection Switch (OPS)-based solution for inter-location connectivity where multiple optical links exist between the same pair of locations. ii. Nos of 10G client Ports: 16x10GE/OTU2/OTU2e SFP+ equipped with LR optics (10km). iii. Nos of multi-rate client Ports: 8x1GE /STM1/ STM4/STM16 SFP equipped with LR optics (10km). iv. Nos of 100G client Ports: 4x100GE/OTU4 QSFP28 equipped with LR optics (10km).	As per clause 3.A.2.1, the DWDM OTN solution (chassis) shall support a minimum capacity of 2.4 Tbps, and as per clause 3.A.3.1.B, the required client traffic is 16×10G + 8×1G + 4×100G, which is approximately 600G in total. If this 600G client traffic has to be transmitted in 6 directions using a 400G line rate, please confirm how this transmission is expected to be achieved. If 600G client traffic must be distributed across 6 directions, then the minimum OTN cross-connection capacity required would be approximately 7.2 Tbps. Please confirm the required OTN cross-connection capability. Since the 100G, 10G, and 1G client interfaces cannot be supported on a single module, please confirm whether we may propose separate traffic modules for these client types. Additionally, 10G traffic can also be extracted using an MPO cable by cascading 10G ports, so please confirm if we may propose this option as well. Technically, whether the 10G traffic is extracted using SFP+ ports or through MPO, there is no difference in features or application. Normally, industry standards specify that two cuts are sufficient for restoration, so it is unclear why the traffic needs to be transmitted in 6 directions. Using 6 directions will create commercial obligations and may also impact operational simplicity. Therefore, our suggestion is to restrict the traffic to either 3 or 4 directions, as the solution was prepared similarly in Tender #013, #015, #009, and #010.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
78	Targus	3.A.3.1.C		At Tier-2 Locations (other than Tier-1 locations), Offered equipment shall support at least 800G Line capacity with following interfaces. i. Nos of 200G Line Ports: As per Topology (Annexure-I) equipped with Coherent optics supporting 200G line rate over DWDM Network at each direction. ii. Nos of multi-rate client Ports: 4x10GE/OTU2/OTU2e SFP+ & 8x1GE /STM1 /STM4/STM16 SFP equipped with LR optics (10km)	As per the client traffic requirement, only 4×10GE is needed, and this can be supported even with a 100G line rate. In that case, what is the benefit of having a 200G line rate on Day-1, If any additional traffic is required in the future, an extra line port can be added to transmit it. Therefore, please confirm the purpose of mandating a 200G line rate on Day-1.	Pass through traffic will be there in these Tier-2 Locations . Bidders shall propose their solutions in accordance with the tender conditions.
79	Targus	3.A.3.2.4		200G uplink should be able to configure with QPSK/8QAM/16QAM whereas when configured in 100G it should support QPSK modulation.	As per the requirement, 200G should be configurable with QPSK/8QAM/16QAM modulation formats, and we understand that any of these modulation schemes should be supported at the 200G line rate. Please confirm. There is a significant difference in reachability between 200G QPSK and 16QAM. If 16QAM is used, the requirement for regeneration will be much higher compared to QPSK. If additional regeneration is required, please confirm whether RailTel will provide the necessary additional hardware to enable 200G channel operation.	May please refer clause 3.A.3.2 of CHAPTER-3A of Tender .
80	Ciena	3.A.3.2 Chapter-3 (15)	19	Equipment should have power Supply and Filter 1+1 for redundant	We understand the clause means " Equipment should have power Supply and Fan Redundancy" instead. Pls confirm.	Filters means Fan
81	Ciena	3.A.4.17 Chaper-3 b	22	DWDM System shall support DCN realization via Optical Supervisory Chanel (OSC).	1. As Photonic layer is not part of scope of supply of this tender, OSC can't be used for DCN. We understand OEM is free to use GCC for management communication as per OTN standards for DCN realization. Pls confirm. 2. We understand RailTel will provide DCN connectivity including any router/switch ports to the GNE nodes as will be defined in LLD. The desired bandwidth for DCN & HW is in scope of RailTel to extend connectivity to Management servers. Pls confirm.	This will not be applicable for this requirement .
82	Ciena	3.A.3.1 Chapter-3 B	16	At Tier-1 Locations (Delhi, Mumbai, Chennai, Kolkata, Guwahati and Secunderabad), Offered equipment shall support at least 400G Client capacity and 800G Line capacity with following interfaces.	Here Chennai is listed as Tier-1 location while in Annexure-II, S. No. 54, Chennai is listed as Tier-2 location. We understand that Chennai is Tier-1 location. Please confirm.	Chennai is Tier-I Location.
83	Ciena	3.A.3 Chapter-3 A	16	DWDM OTN Network shall be designed and implemented based on Topology given in Annexure-I.	Please provide the Day-1 and end of life traffic matrix that need to serviced on this OTN layer. This is needed to ensure right product positioning and to ensure proposed solution is matching the RailTel's expectation.	The tender specifies a minimum capacity requirement. Bidders shall propose their solutions in accordance with the tender conditions.
84	Ciena	Form No. 14 & Form No 19 B.iii./3	127/134	Jointly and severly	We understand OEM is submitting an undertaking that SW doesn't contain any malicious code independently. With this undertaking, OEM is bound to ensure to meet RailTel's expectation of a network free of malicious security breaches. While we are committed & work on trust with our partners/SI's, we do not see any requirement of Jointly & Severely liability declaration in present form. We request you to please modify the language accordingly.	Please see Corrigendum, Point-02
85	Ciena	Form No. 14 c	127	Own Manufacturing setup	Global OEM's in general have outsourced the manufacturing to EMS provider like Flex/Sanmina & do not own any specific manufacturing hubs. We request you or modify the clause accordingly instead of 'have own manufacturing setup"	Please see Corrigendum, Point-04
86	Ciena	Form No. 14 c	127	Proof of IPR and source code	We need to understand the clause as we already have Trusted source & Trusted product status, where IPR related information was submitted to NSCS. We understand that RailTel being an operator has the access to get that information from NSCS. So we request you to modify the clause & don't seek any proof of IPR & source code by means of this undertaking.	Please see Corrigendum, Point-03
87	Ciena	3.B.4	31	FAT	The HW platform proposed in this tender has already been supplied as part of previous contracts to RailTel. We request you to allow FAT at bidder premises instead of OEM factory.	Tender clause is Clear

SN	Firm Name	Clause No. & Chapter No.	Page No.	Description of clause	Query of the bidder	RailTel Response
88	Ciena	3.A.4.17 Chaper-3	22	Training	Kindly confirm if OEM academy certificate is mandatory or training completion certification from bidder will suffice the requirement.	Tender clause is Clear
89	Ciena	7.5.1	140	7.5.1 Technical Support Services KPIs & SLA: Severity Levels/KPIS: Critical: Respond 1Hr, Restore 6 Hr; Major: Respond 3Hr, Restore BE; Minor: Respond 5Hr, Restore BE *BE-Best Effort	Sometimes restoration effort take time due to alarm correlation & providing support guidance to on field engineer. We request to modify the SLA's to as below: Severity Level: Critcal: Respond 1 Hr, Restore 8 Hr; Major: Respond 24 BHr, Restore NA; Minor: Respond 36 BHr, Restore NA BHr: Business Hour	Tender clause is Clear
90	Ciena	4.A.16.3	60	PoC	We understand successful bidder has to conduct PoC at their premise. Pls confirm. Kindly also provide HW requirements for this PoC…Tier-I & Tier II node split for PoC?	Tender clause is Clear
91	Ciena	3.A.3.1 Chapter-3 b	16	The OEM/Bidder can have option to propose Optical Protection Switch based solution	1. We understand that for Optical protection, switching has to be based on Pre-FEC BER and signal degrade conditions as well and not only on signal power levels. Please confirm. 2. In Clause 3.A.3.2, Chassis type allowed is only one type, we understand that Optical protection switch has to be installed in same chassis. Please confirm.	Both links are having same source and destination, Bidder can propose Optical Protection Switch (OPS)-based solution for these Links .The Optical Protection Switch (OPS) must support pre-FEC error–based switching with a protection switching time of less than or equal to 50 ms.Bidder/OEM can propose external chassis for Optical Line Protection (OLP) only .
92	Sterlite	4.A.6PERFORMANCE BANK GUARANTEE (SECURITY DEPOSIT)	41	4.A.6.1 The successful bidder has to furnish security deposit in the form of Performance Bank guarantee @ 10% of issued PO/ LOA value, the same should be submitted within 30 days of issue of LOA/PO, failing which a penal interest of 15% per annum shall be charged for the delay period i.e. beyond 30 (thirty) days from the date of issue of LOA/PO. This PBG should be from a Scheduled Bank and should cover warranty & AMC period plus four months for lodging the claim. The performance Bank Guarantee will be discharged by the Purchaser after completion of the supplier's performance obligations including any warranty and AMC obligations, under the contract.	Please consider allowing the Performance Bank Guarantee (PBG) for the warranty period to be issued separately, and the PBG for the AMC to be issued under an annual rollover mode. This will help reduce the overall cost burden associated with maintaining a long-duration PBG. Additionally, banks have expressed concerns about issuing PBGs for extended periods, as they are now generally restricting issuance to a maximum of 5–6 years. Beyond this duration, a renewal process becomes necessary.	Tender clause is Clear
93	Sterlite	4.A.5. PAYMENT TERMS	40	4.A.5.1 Payment for Supply Items: 75% payment of the value of part supply (ScheduleA) would be made on receipt of material by the consignee 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:	Request to allow the Delivery on central site on regional basis to complete the delivery schedule.	Tender clause is Clear
94	Sterlite	3.A.3 DESIGN OF NETWORK 3.A.3.1 (D)(8), (11), (14) - "Coherent plug Tx power 0 dB, flexible grid, high FEC, CDC support"	16-17	8. Line interface should support Coherent Plug with 0db or high Tx transmit power to achieve long reach viability. 11. Line interface should support full monitoring and termination of line G.709 overhead bytes. 14. Line interfaces shall support all photonic add drop architectures like colored directional, colorless directionless, and colorless directionless contention less (CDC).	The RFP asks for a broad feature set (0 dB Tx power, flexible grid, high coding gain FEC, CDC add/drop), but does not state if CDC ROADM or any specific add/drop architecture is actually required in this phase or if integration is only as alien wavelengths over existing DWDM. Please clarify whether for this tender RailTel requires: (a) only transponder/muxponder-based alien wavelength over existing DWDM, or (b) new introduction of ROADM/CDC nodes. If option (b), please provide list of sites and number of degrees per ROADM so that appropriate modules are included in BOM.	The Bidder/OEM shall quote for the OTN-supported Electrical Layer solution, incorporating coherent plugs/modules on the line side only, and excluding any Photonics Layer components.
95	Sterlite	3.A.3 DESIGN OF NETWORK 3.A.3.2 (9) - "Bidden/OEM can also leverage existing Management system deployed in RailTel. If the OEM provides undertaking for long term support for 8 years..."	18	9. The proposed system shall be managed by a single unified system/Controller with DC & DR (active location at Secundrabad and standby location at New Delhi) for all the active components. Bidder shall also propose Controller based Management System for managing system with DC & DR (active and standby). All licenses required for Northbound and Southbound interface (API) should be equipped with offered solution at no additional cost to RailTel. Bidder/OEM can also leverage existing Management system deployed in RailTel, if the OEM shall provide undertaking for long term support for 8 years for all existing components irrespective of End of Life of the existing hardware/License/Software. Hardware/License/Software required for such up gradation shall be included in the price bid.	The clause allows leveraging existing management systems. Please provide current NMS/Controller make, model, software release, and list of required additional licenses (NE count, interface types) so that we can quote upgrades accurately.	If the Bidder/OEM intends to utilize existing management systems, the Bidder/OEM shall provide all necessary additional licenses (including NE count and interface types) required to support the proposed solution.
96	Polycab	Chapter 4A Commercial terms and conditions 4.A.12.1 Eligibility Criteria Requirements for Bidders	45	# Similar Work: Projects of Telecom Transmission Network / DWDM /OTN/IT /Data Network /Broadband Network /Radio Network in Government /PSUs /Telecom Service Providers network /ISP Network.	We understand that the BharatNet Phase 2 project where supply, installation and commissioning of DWDM was one of the Scope of Work, shall be considered as 'Similar Work'. Please confirm - Yes/No.	Tender clause is Clear
97	Polycab	Chapter 4A Commercial terms and conditions 4.A.12.1 Eligibility Criteria Requirements for Bidders	45	# Similar Work: Projects of Telecom Transmission Network /DWDM/OTN/IT /Data Network /Broadband Network /Radio Network in Government /PSUs /Telecom Service Providers network /ISP Network.	We understand that BharatNet Ph2 project, the scope of which includes FTTx network rollout along with OLT/ONT comes under Telecom Transmission Network and hence, shall be considered 'Similar Work' as per definition. Please confirm if our understanding is correct.	Tender clause is Clear
98	Polycab	CHAPTER- 5 BID DATA SHEET (BDS) Clause 4.A.4, Chapter-4A	87	Delivery, installation, Commissioning & Integration period 90 days from date of issue of LOA/Purchase Order.	We request to revise the timeline of 90 days to atleast 180 days. The OEMs supplying OTN devices and power plant will need more time for material delivery on site. Request you to revise the clause as "Delivery, installation, Commissioning & Integration period 180 days from date of issue of LOA/Purchase Order."	Tender clause is Clear
99	Polycab	CHAPTER-3A TECHNICAL REQUIREMENTS AND SPECIFICATIONS 3.A.2 OVERVIEW OF THE SCOPE OF WORK	15	The scope of work would be System Design, Supply of Equipment at various sites/locations of RailTel. The scope also includes installation, testing, commissioning & acceptance of the Muxponder System Network including integration with the existing NOC/OSS system by providing standard northbound API's from supplied controller for management of devices.	Please share make and model of existing NOC / OSS system with which the integration is required. This will help in defining the integration touch points appropriately.	RailTel has VisionWaves Net Singularity platform for OSS.
100	Polycab	Annexure-III FORMAT FOR TESTING OF DWDM EQUIPMENT	158	-	We understand that if the OEM has deployed similar network for another customer, the bidder (in coordination with OEM) can arrange the visit. This will suffice the requirements of POC and no separate POC is required. Please confirm	Tender clause is Clear

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101	Polycab	CHAPTER 4A COMMERCIAL TERMS & CONDITIONS 4.A.20. EXECUTION OF PURCHASE ORDER/LOA 4.A.20.1 POs will be issued Region wise.	62	POs will be issued Region wise.	There are four regions i.e., Northern region, Easter region, Southern region, Western region. If the PO will be issued, how the payment will be made as the price bid format mentioned in Chapter 2 doesn't have region wise break up. Please elaborate	Tender clause is Clear. Regional wise Breakup is not required in Tender document.
102	Polycab	CHAPTER-3A TECHNICAL REQUIREMENTS AND SPECIFICATIONS RailTel's Responsibility	20	a. Rack space for housing the equipment	We understand that the rack and the space in the rack will be provided by RailTel. Please confirm - Yes/No	Yes , RailTel will provide Rack and Space in Rack for Proposed solution for OTN devices including DCDB & MCBB.
103	Polycab	CHAPTER-3A TECHNICAL REQUIREMENTS AND SPECIFICATIONS 3.A.3.2 Following shall support	17	a) Undertake route improvements to reduce losses to acceptable levels; or b) Provide additional hardware necessary to enable 200G channel operation,	We understand that RailTel shall work on the cases where route improvements are required to reduce the losses to acceptable levels. The delay observed to address such cases shall not be considered in the bidder's delivery timeline. Please confirm.	Yes , In such case , Extension/SAT for particular location will be issued to firm.
104	Polycab	CHAPTER-7 DETAILED STANDARD CONDITIONS APPLICABLE FOR THE ANNUAL MAINTENANCE CONTRACT 7.4.0 REPAIR AND RETURN SERVICES 7.4.1.1 Contractor's Responsibility:-	139	4. The received defective part will be got repaired by the contractor within 30 days from the date of receiving and will be installed/handed over to RailTel authorized representative at RNOC/site. The contractor will also give probable reason for repeated failure of cards/ modules.	In case of hardware failures, the faulty hardware will be replaced by a spare hardware. The repair and return of the faulty hardware shall be done in 30 days from the handover of the faulty hardware to the bidder. Please confirm	Tender clause is Clear
105	TCTSL	OTN I&C			Who will provide the racks for OTN installation at each location?	Yes , RailTel will provide Rack and Space in Rack for Proposed solution for OTN devices including DCDB & MCBB.
106	TCTSL	I&C			Can the bidder use the WH of Railtel for the storage of installation materials?	Tender clause is Clear
107	TCTSL	Insurance			Will the ownership of the devices (OTN & Power plant) would be in the name of Railtel or Bidder	Tender clause is Clear
108	TCTSL	Insurance			Who will be the insurance owner of HW and when the insurance will start?	Tender clause is Clear
109	TCTSL	AMC - L1 support			We understand that L1 level troubleshooting will be carried out by Railtel's Field team against each alarm. Any sort of field activities during AMC are excluded from bidder's scope of work.	Yes , RailTel will provide field support during AMC and Warranty Period.
110	TCTSL	AMC - L2/L3 support			We understand, the bidder needs to integrate a pool of resources with RAILTEL's existing NOC team to support TSC & TEC functions for the management of the HW related issues during AMC period. RAILTEL needs to support by providing access to their network (VPN & Direct) & physical access at the Central NOC	Yes, RailTel will provide access to their network through VPN & physical access at the Central NOC in case needed.
111	TCTSL	AMC - L2/L3 support			Please confirm whether the AMC contract (L3 service) would be defined between bidder & OEMs or Railtel & OEMs	Tender clause is Clear
112	TCTSL	AMC - Field Support			Any type of patch or SW upgradations will be carried out remotely during AMC period and in case of any physical support is required, Railtel needs to leverage their FE support in the field, please confrm the same	Yes , RailTel will provide field support during AMC and Warranty Period.
113	TCTSL	AMC - Field Support			Who will provide field support for Repair and Return process? Understand that RAILTEL exisitng FE will provide the same	Tender clause is Clear
114	TCTSL	AMC - Spare			During AMC period, spare to be used for replacing faulty card from 8% stock. Please confirm.	Tender clause is Clear
115	TCTSL	AMC - Spare			Who will be providing WH for keeping the spare of Power Plant and OTN Equipment during AMC period?	Tender clause is Clear
116	TCTSL	AMC - Spare			We understand that RAILTEL will inform spare distribution across WHs for 8% Spare. Incase of any HW faults at sire, RAILTEL will facilitate the spare movement from WH to Site and vice versa	Tender clause is Clear
117	TCTSL	NMS			As per our understanding, no separate NMS /EMS has to be provisioned and Railtel will extend their existing NMS/EMS to monitor the devices. Please confirm the same	Tender clause is Clear
118	TCTSL	I&C			For the IRM supplement & it's installation, please let us know if it falls under Bidder's scope or excluded.	Tender clause is Clear