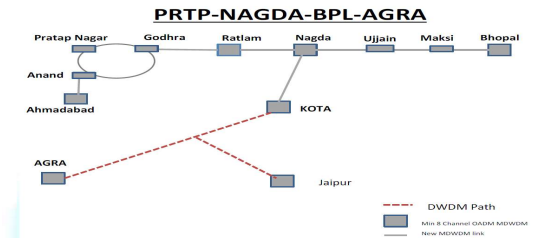
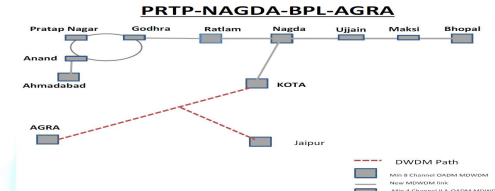


Consolidated Pre Bid Queries																															
SN	Clause no. & Chapter no.	Page NO.	Subclause no./Point no.	Content of the Clause requires clarification	Points of clarifications required	Remarks	RailTels Response																								
1	CHAPTER-3E INSPECTION AND INSTALLATION, TESTING & COMMISSIONING	61	3E.8	SPARES Unit rates for each spares required for operation and maintenance shall be provided. Tenderer shall also provide the address, contact person, fax, telephone no. of the manufacturer of the spare parts, if different from the tenderer itself. The Tenderer shall warrant that spare part for the system would be available for minimum of 10 years after system commissioning (taking over). After this period if the Tenderer discontinues the production of the spare parts, then he shall give at least 12 months notice prior to such discontinuation so that Purchaser may order the requirements of spares in one lot. 8% mandatory spares (for operation and maintenance) shall be provided for all electronic cards including mother boards, back plane for each system, subsystem, equipment, etc. (with round off at the higher side with two cards minimum), as against SOR item no. A2. Spares shall be provided from the same manufacturing facilities/location from where the respective equipment, subsystems are offered. The list of the required spares being supplied with unit cost and total cost should be attached along with the bid.	With reference to "CHAPTER-3D EMI, ENVIRONMENT AND POWERSUPPLY" Clause 3D.2 All equipment, test instruments, special tools and fixtures etc. shall be able to work at the specified parameters under environmental conditions specified for QM – 333 Categories B 2 and should be capable of maintaining the guaranteed performance with operational lifetime of 15 years minimum. This is contradiction of clause CHAPTER-3-B NETWORK REQUIREMENTS AND EQUIPMENT CHARACTERISTICS clause 3E.8. Kindly Clarify		Tender condntions are very clear, No change is proposed. In clause 3D.2 RailTel is asking for performace with operational lifetime of 15 years minimum and in clause 3E.8 availability of spares for minimum of 10 years after system commissioning (taking over). Both are different.																								
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14	Chapter 3A	3.A.1.2.1 .B	22	Following is the proposed network topology for DWDM link engineering & solution design. Details of Routes are: 1. Chennai to Mumbai.	Fourth segment (Chennai -Mumbai) is fully Alien. We recommend to have a separate RFP for pure Alien solution for this segment. This will give all vendors to have equal chance and Railtel will also get best of the product available in Industry. Existing vendors must not be part of this Alien requirement as this segment no longer alien for them.		Tender condtions are very clear, No change is proposed.																								
15	Chapter 3A	3.A.1.2.1 .B	27	Bidder shall consider fiber losses with 1 dB additional fiber repair margin per span for Alien Wavelength design & 6 dB fiber repair margin and max fiber loss can be considered upto 33 db per span in New DWDM backbone system (e.g. if current fiber losses is 30 db , fiber repair margin will be 3db, this will not applicable for those spans where optional ILA sites are available in annexure-II) . In case of span fiber loss is equal or more than 33 db in that case 1 dB additional fiber repair margin per span shall be considered.	There are many spans where fibre losses would be 33/34db after adding repair margins , We suggest that Railtel should allow more additional ILA's for long term proper working of DWDM nw.		Tender condtions are very clear, No change is proposed .																								
16	Annexure1		169-181	Link Losses	Two fiber loses are given , Is bidder allowed to use any of the fiber, kindly confirm.		In case of fiber loss variations is more than 2 dB in 1st Fiber Loss and 2nd Fiber Loss of same fiber pair. In that case Bidder is allowed to consider lower of both these fiber loss value for Link engineering.																								
17	Annexure1		169-181	Link Losses	Two fiber loses are given , At many links diffrence in losses for two fibres / forward -reverse loss is very high . We request to correct the fibre losses table where ever the gap in losses is higher than 2db between forward and reverse loss.																										
18	Chapter 3	3.A.1.4.2	42	Bidder shall propose minimum 4-degree Flex Grid C- band WSS at ROADM sites in Backbone segment depicted in 1.2.1.	ROADM's or WSS are part of one time optical infra for any DWDM network which means that they should cater for atleast 10 years. We strongly recommend Railtel not to allow anything below 8 degree Flex Grid C-band WSS at ROADM sites.		Tender condtions are very clear, No change is proposed.																								

19	CHAPTER- 8A	8.A.1.1	158	New DWDM system specs	Wave tracker based optical channel monitoring is mandatory for long haul transport , we recommend to make this as mandatory requirement. This will ensure seamless monitoring and speed up trouble shooting.		Tender condtions are very clear, No change is proposed.
20	Chapter 3A	3.A.1.2.1	17-18	RailTel invites solution for following routes with traffic matrix of DWDM network . SN 2, 6, 9, 10, 14, 20, 21, 22	For Protected traffics which are bypassing through new DWDM as well as Alien DWDM , we recommend that Alien Vendor should provide the Optical Protection Switch at the locations where traffic is added to the Alien Segment. This will allow proper traffic management on the new DWDM NMS. For exapmle this scenario is applicable for Mughalsarai - Kolkatta Traffic along with other traffic mentioned at SN 2 , 6,9,10,14,20,21,22		Tender condtions are very clear, No change is proposed.
21	Chapter-4A	12.3	2	Eligibility Criteria Requirements for OEM's: Satisfactory Working Performance of the same series/family from the same OEM by the user is required to be submitted and it should be issued during last one year from the date of opening of Tender.	Nokia has acquired Alcatel International in 2016. Customer orders & reference letter 's has Alcatel International not in Nokia's name. Hope this is acceptable to Railtel.	Nokia & Alcatel International Incorporation document can be submitted to prove that Alcatel International is art of Nokia.	It may be considered if bidder submit douments related to acquisition of Alcatel International by Nokia.
22	CHAPTER-3E INSPECTION AND INSTALLATION, TESTING & COMMISSIONING	61	3E.8	SPARES Unit rates for each spares required for operation and maintenance shall be provided. Tenderer shall also provide the address, contact person, fax, telephone no. of the manufacturer of the spare parts, if different from the tenderer itself. The Tenderer shall warrant that spare part for the system would be available for minimum of 10 years after system commissioning (taking over). After this period if the Tenderer discontinues the production of the spare parts, then he shall give at least 12 months notice prior to such discontinuation so that Purchaser may order the requirements of spares in one lot. 8% mandatory spares (for operation and maintenance) shall be provided for all electronic cards including mother boards, back plane for each system, subsystem, equipment, etc. (with round off at the higher side with two cards minimum), as against SOR item no. A2. Spares shall be provided from the same manufacturing facilities/location from where the respective equipment, subsystems are offered. The list of the required spares being supplied with unit cost and total cost should be attached along with the bid.	With reference to "CHAPTER-3D EMI, ENVIRONMENT AND POWERSUPPLY" Clause 3D.2 All equipment, test instruments, special tools and fixtures etc. shall be able to work at the specified parameters under environmental conditions specified for QM – 333 Categories B 2 and should be capable of maintaining the guaranteed performance with operational lifetime of 15 years minimum. This is contradiction of clause CHAPTER-3-B NETWORK REQUIREMENTS AND EQUIPMENT CHARACTERISTICS clause 3E.8. Kindly Clarify	10 or 15 years	Tender condtions are very clear, No change is proposed. In clause 3D.2 RailTel is asking for performace with operational lifetime of 15 years minimum and in clause 3E.8 availability of spares for minimum of 10 years after system commissioning (taking over). Both are different.
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31	Chapter 3A	3.A.1.2.1 .B	18-21	Following is the proposed network topology for DWDM link engineering & solution design. Details of Routes are: 1.Delhi to Kolkata 2.Delhi to Mumbai 3.Bangalore to Mumbai & Bangalore to Chennai 4.Chennai to Mumbai.	The first three routes are Majorly new segments where Railtel is looking to have green field deployment. We recommend to remove the small legs of Alien segments in these three routes so that it is a fair competition for every vendor. Fourth segment (Chennai -Mumbai) is fully Alien. We recommend to have a separate RFP for pure Alien solution for this segment. This will give all vendors to have equal chance and Railtel will also get best of the product available in Industry.		Tender condtions are very clear, No change is proposed.																								
32	Chapter 3A	3.A.1.2.1 .B	22	Following is the proposed network topology for DWDM link engineering & solution design. Details of Routes are: Chennai to Mumbai.	Fourth segment (Chennai -Mumbai) is fully Alien. We recommend to have a separate RFP for pure Alien solution for this segment. This will give all vendors to have equal chance and Railtel will also get best of the product available in Industry. Existing vendors must not be part of this Alien requirement as this segment no longer alien for them.		Tender condtions are very clear, No change is proposed.																								
33	Chapter 3A	3.A.1.2.1 .B	27	Bidder shall consider fiber losses with 1 dB additional fiber repair margin per span for Alien Wavelength design & 6 dB fiber repair margin and max fiber loss can be considered upto 33 db per span in New DWDM backbone system (e.g. if current fiber losses is 30 db , fiber repair margin will be 3db, this will not applicable for those spans where optional ILA sites are available in annexure-II) . In case of span fiber loss is equal or more than 33 db in that case 1 dB additional fiber repair margin per span shall be considered.	There are many spans where fibre losses would be 33/34db after adding repair margins , We suggest that Railtel should allow more additional ILA's for long term proper working of DWDM nw.		Tender condtions are very clear, No change is proposed.																								
34	Annexure1		169-181	Link Losses	Two fiber loses are given , Is bidder allowed to use any of the fiber. kindly confirm.		In case of fiber loss variations is more than 2 dB in 1st Fiber Loss and 2nd Fiber Loss of same fiber pair. In																								

35	Annexure1		169-181	Link Losses	Two fiber losses are given , At many links difference in losses for two fibres / forward -reverse loss is very high . We request to correct the fibre losses table where ever the gap in losses is higher than 2db between forward and reverse loss.		that case Bidder is allowed to consider lower of both these fiber loss value for Link engineering.																																																																																																																								
36	Chapter 3	3.A.1.4.2	42	Bidder shall propose minimum 4-degree Flex Grid C- band WSS at ROADM sites in Backbone segment depicted in 1.2.1.	ROADM's or WSS are part of one time optical infra for any DWDM network which means that they should cater for atleast 10 years. We strongly recommend Railtel not to allow anything below 8 degree Flex Grid C-band WSS at ROADM sites.		Tender conditons are very clear, No change is proposed.																																																																																																																								
37	CHAPTER- 8A	8.A.1.1	158	New DWDM system specs	Wave tracker based optical channel monitoring is mandatory for long haul transport , we recommend to make this as mandatory requirement. This will ensure seamless monitoring and speed up trouble shooting.		Tender conditons are very clear, No change is proposed.																																																																																																																								
38	Chapter 3A	3.A.1.2.1	17-18	RailTel invites solution for following routes with traffic matrix of DWDM network . SN 2 , 6 , 9 , 10 , 14 , 20 , 21 , 22	For Protected traffics which are bypassing through new DWDM as well as Alien DWDM , we recommend that Alien Vendor should provide the Optical Protection Switch at the locations where traffic is added to the Alien Segment. This will allow proper traffic management on the new DWDM NMS. For exapmle this scenario is applicable for Mughalsarai - Kolkatta Traffic along with other traffic mentioned at SN 2 , 6,9,10,14,20,21,22		Tender conditons are very clear, No change is proposed.																																																																																																																								
39	Chapter-4A	12.3	2	Eligibility Criteria Requirements for OEM's: Satisfactory Working Performance of the same series/family from the same OEM by the user is required to be submitted and it should be issued during last one year from the date of opening of Tender.	Nokia has acquired Alcatel International in 2016. Customer orders & reference letter 's has Alcatel International not in Nokia's name. Hope this is acceptable to Railtel.	Nokia & Alcatel International Incorporation document can be submitted to prove that Alcatel International is art of Nokia.	It may be considered if bidder submit douments related to acquisition of Alcatel International by Nokia.																																																																																																																								
40	4A	72	5	Payment terms:	We understand that bidder have to submit the bid in INR only. Bids with foreign currency are NOT allowed in the tender. Request to Kindly Confirm.		Yes																																																																																																																								
41	4A	72	5.1	75% payment of the value of the supply items would be made on receipt of material by the consignee....	We request RailTel to modify 'Equipment Payment' as 90% payment on delivery; 5% on PAC 5% on FAC Kindly Confirm.		Tender conditons are very clear, No change is proposed. Standered payment clause for contract covered supply and I&C.																																																																																																																								
42	4.A.12	76	2(3)	Technical Capability: Completion certificates with Satisfactory working and value of the work completed from the User Organizations is required to be submitted.	We understand that against this Technical eligibilty clause , the bidder have to submit the user certificate mentioning the successfully completion of the Scope as per Purchase Order (PO) along with PO number and amount. Request you to Kindly Confirm.		Yes																																																																																																																								
43	4.A.12.3	82	3	OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.	OEMs and Customer are binded by mutual non-disclosure agreement where both the parties (OEM & Customer) are are not authorised to share any such confidential information to anyone. We request you to kindly consider 'Self-Declaration' from OEM in support of this clause. request you to kindly Confirm.		Tender conditons are very clear, No change is proposed. Already asked for self certificate.																																																																																																																								
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45	Annexure-1	169 -180		First Fiber loss means End A - End B (towards B) and Second Fiber means loss End B- End A (towards A)	Request RailTel to confirm if this is correct understanding		Yes																																																																																																																								
46	Annexure-1	172 / Multiple		Fiber Type mentioned as G.653	In few Section Fiber type is mentioned as G.653 as well, Looks like its TYPO Request RailTel to kindly confirm if all the BB / NLD Fiber type is G.652D.		Please see point no.6 of corrigendum-I																																																																																																																								

47	Annexure -1	174	72	Fatehpur Sikri node type is mentioned as OADM	It looks Typo as its ILA site. Request RailTel to confirm if its ILA site ONLY.		Please see point no. 7 of corrigendum-I
48	Annexure4	161		Manmad to Chalesgaon	This link is not captured in Topology. Looks extra, Request RailTel to clarify if its extra link		This is existing DWDM Network of ADVA it comes in between Manmad to Bhusaval.
49	Annexure4	193		Purna site mentioned as ILA in excel sheet whereas in Topology its OADM site	Request RailTel to clarify its ILA or OADM		Please see point no. 10 of corrigendum-I
50	12.3/2	81		Eligibility Criteria Requirements for OEM's: - Satisfactory Working Performance of the same series/family from the same OEM by the user is required to be submitted and it should be issued during last one year from the date of opening of Tender.	We got issued user experience certificate for new DWDM deployment for 500 Kms on Jun'2020 at the time of 100G DWDM Tender#549 which was cancelled Previously. Because of on-going Pandemic situation most of Customer's staff working remotely so its very difficult to get user certificate again. There requesting RailTel to allow "issued user certificate during last one year from the date of release of Tender" instead of Opening of Tender.		Old certificate with copy of email confirming current satisfactory working of equipments from user organisation (as defined in tender) may be submitted.
51	4.A.2.4 Warranty Support	68		To enforce fulfillment of support objectives, bidder shall make available services of two qualified engineer at NOC location in each Region (8 in total) to the satisfaction of RailTel for level 2 support during the warranty period	As per SOR 4 nos of REs to quoted per SoR (Pkg1 and Pkg2) and however as per this statement its 8 nos in total. Incase if any OEM/Bidder bidding for both Pkgs they need to quote for 4+4 = 8 REs and incase if any OEM/Bidder is only going for 1 Pkgs they need to quote for only 4 REs. Request RailTel to clarify this point.		Please read note VIII of SOR, "RailTel has right to optimize the NMS, LCT, L2 Enginner Support & Electronics at Comman Node of DWDM/MDWDM at the time of award/implementation."
52	B4 SoR	9		Cost per Engineer for level 2 support for two years during Warranty Period as per clause 4.A.2.4 of Chapter- 4A.	Warranty period is of 36 months (1 Year Maintenance supervision and post that 2 yrs warranty) whereas the RE requested in SoR are for 2 Yrs. only. Request RailTel to clarify if no REs would be required during Maintenance supervision period otherwise Please modify the duration from 2 Yrs. to 3 Yrs. in SoR.		Already clarify in clause 4.A.2.5.1, "the proposed network is commissioned and placed in service and after provisional acceptance certificate is issued, the contractor shall be responsible for proper maintenance supervision of the network free of cost for a period of twelve months from the date of provisional acceptance for last route."
53	4.A.2.5/Maintenance Supervision	69		For this purpose he shall prepare a maintenance plan and make available the services of qualified maintenance engineers stationed at the location approved by Purchaser's Engineer who will guide and supervise the RailTel maintenance staff. The tenderer shall keep minimum two maintenance engineers at the locations approved by RailTel , who will visit the total installation as per the instructions of Purchaser's Engineer or earlier if the situation so warrants with the provision that monthly reports of the failures and health of the equipment is generated from the NMS and is made available jointly signed by contractor and RailTel Official. In addition two NMS trained engineer (one for each SOR package) shall be provided at the NOC location in each Region , as part of maintenance supervision obligation.	These resources are not been captured as part of SoR. Could you please clarify if these are to be considered in Bill of Material.		It is the part of Design, Installation, Testing, Commissioning and Integration of DWDM & NMS system
54	3.A.1.3.1	31, 32, 33, 34 , 35		10G and STM16 Colored DWDM Plugs are asked for Routers and existing SDH OEMs chassis	Hope these OEMs accept 3rd Party MSA plugs. Request Railtel to confirm if Bidder can propose MSA plugs and incase of any interop issue RailTel will takeup with existing OEMs to ensure no blocking on their chassis / Software to accept 3rd Party MSA Plugs.		Tender condtions are very clear, No change is proposed .
55	4A	72	5	Payment terms:	We understand that bidder have to submit the bid in INR only. Bids with foreign currency are NOT allowed in the tender. Request to Kindly Confirm.		Yes
56	4A	72	5.1	75% payment of the value of the supply items would be made on receipt of material by the consignee....	We request RailTel to modify 'Equipment Payment' as 90% payment on delivery; 5% on PAC 5% on FAC Kindly Confirm.		Tender condtions are very clear, No change is proposed . Standered payment clause for contract covered supply and I&C.
57	4.A.12.3	82	3	OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.	OEMs and Customer are binded by mutual non-disclosure agreement where both the parties (OEM & Customer) are are not authorised to share any such confidential information to anyone. We request you to kindly consider 'Self-Declaration' from OEM in support of this clause. request you to kindly Confirm.		Tender condtions are very clear, No change is proposed. Already asked for self certificate.

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BLR-MUM & BLR-CHN	Arsikere	OADM	Tiptur	ILA	25	Yes	10.8	12.8	-2																																																																																																																						
BLR-MUM & BLR-CHN	Tiptur	ILA	Tumkur	ILA	78.6	Yes	30.6	27.9	2.7																																																																																																																						
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60	Annexure-1	172 / Multiple		<p>Fiber Type mentioned as G.653</p>	<p>In few Section Fiber type is mentioned as G.653 as well, Looks like its TYPO</p> <p>Request RailTel to kindly confirm if all the BB / NLD Fiber type is G.652D.</p>		<p>Please see point no.6 of corrigendum-I</p>																																																																																																																								
61	Annexure -1	174	72	<p>Fatehpur Sikri node type is mentioned as OADM</p>	<p>It looks Typo as its ILA site.</p> <p>Request RailTel to confirm if its ILA site ONLY.</p>		<p>Please see point no. 7 of corrigendum-I</p>																																																																																																																								
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63	Annexure4	193		<p>Purna site mentioned as ILA in excel sheet whereas in Topology its OADM site</p>	<p>Request RailTel to clarify its ILA or OADM</p>		<p>Please see point no. 10 of corrigendum-I</p>																																																																																																																								
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69	CHAPTER-1 OFFER LETTER	6	2	All bidders are required to deposit EMD amount as per details given below through eNivida Portal as "Earnest Money: Package-SOR-1 Package (DWDM) EMD Amount-Rs. 18.5 Lakhs Package-SOR-2 Package (MDWDM) EMD Amount-Rs. 16.8 Lakhs *Offers without applicable EMD amount mentioned above shall be summarily rejected.	We would like to apprise you that Government of India has issued a Memorandum Vide Mmemorandum No-No. F.9/4/2020-PPD dated 12th November 2020 issued by Ministry of Finance Department of Expenditure Procurement Policy Division, Government of India. According to this memorandum bidder has to submit a Bid Securing declaration instead of BG or any other payment mode. We request you to kindly amend this clause as: Bidder has to submit a bid securing declaration against EMD/ bid security.		Please see point no. 2 of corrigendum-I
70	CHAPTER 4A COMMERCIAL TERMS & CONDITIONS	77	3	In case of substantially completed work, certificate from user for bidder share regarding total value of bidders share of work and value of completed work (minimum 80% of total value of bidders share of work) is required to be submitted.	Most of the project involves the maintenance of solution provided by bidder. And total order value includes CAPEX and OPEX cost. Hence, we request you to kindly amend this clause as: In case of substantially completed work, certificate from user for bidder regarding total value of bidders work and value of completed work (minimum 80% of total CAPEX value of bidders work) is required to be submitted. Bidder can submit either certificate from the user or can also submit a certificate from a practicing CA certifying that at least 80% of the CAPEX value of order has been executed as on the date of submission of bid.		Tender condtions are very clear, No change is proposed .
71	CHAPTER 4A COMMERCIAL TERMS & CONDITIONS	93	4.A.25 & 4.A.25.1	4.A.25 Clause wise Compliance 4.A.25.1 For Bidder – Bidder has to submit Nil Deviation (Form No. 13, Chapter-6) form as a compliance against all the terms and conditions of Tender document. Bidder may submit Deviation, if any, in his bid from Tender document in the format given in Form no. 13. However in case of submission of any Deviation from Tender conditions, RailTel reserves the right to reject the bid without giving any justification.	As per our understanding bidder has to submit Nil Deviation (Form No. 13, Chapter-6) form against the Clause by clause compliance of tender along with the clause by compliance to technical specification. Kindly confirm.		Yes
72	CHAPTER-2 SCHEDULE OF REQUIREMENT	12	VIII	SOR wise NMS components shall be as follows: a) First location: One main NMS (DC) server. b) Second location: Disaster Recovery (DR) server. c) Two client to be provided at each region.	As per SOR-1 & SOR-2, 8 LCT require. So, kindly confirm that the two clients is same as LCT or we have to provide the additional client. If yes, please share the specification and qty as per the SOR-1 & SOR-2.		8 LCT are required for each SOR. Both client are same for each region.
73	CHAPTER 4A COMMERCIAL TERMS & CONDITIONS	69	4.A.2.5. Maintenance Supervision	The tenderer shall keep minimum two maintenance engineers at the locations approved by RailTel.	We assume that the maintenance engineer are the same L2 engineer as per the SOR-1 & SOR-2.		Yes
74	CHAPTER 4A COMMERCIAL TERMS & CONDITIONS	69	4.A.2.5. Maintenance Supervision	In addition two NMS trained engineer (one for each SOR package) shall be provided at the NOC location in each Region, as part of maintenance supervision obligation	There are four region so according to this 4 NMS engineer require. Please clarify it. Also please share the Qualification of RE required.		Yes Please see point no.1 of Corrigendum-I
75	4A	72	5	Payment terms:	We understand that bidder have to submit the bid in INR only. Bids with foreign currency are NOT allowed in the tender. Request to Kindly Confirm.		Yes
76	4A	72	5.1	75% payment of the value of the supply items would be made on receipt of material by the consignee....	We request RailTel to modify 'Equipment Payment' as 90% payment on delivery; 5% on PAC 5% on FAC Kindly Confirm.		Tender condtions are very clear, No change is proposed. Standered payment clause for contract covered supply and I&C.
77	4.A.12	76	2(3)	Technical Capability: Completion certificates with Satisfactory working and value of the work completed from the User Organizations is required to be submitted.	We understand that against this Technical eligibilty clause, the bidder have to submit the user certificate mentioning the successfully completion of the Scope as per Purchase Order (PO) along with PO number and amount. Request you to Kindly Confirm.		Yes
78	4.A.12.3	82	3	OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Firm Name, Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The same should be issued by authorized signatory.	OEMs and Customer are binded by mutual non-disclosure agreement where both the parties (OEM & Customer) are are not authorised to share any such confidential information to anyone. We request you to kindly consider 'Self-Declaration' from OEM in support of this clause. request you to kindly Confirm.		Tender condtions are very clear, No change is proposed. Already asked for self certificate.

79	Annexure-1	169 -180		<div>Fiber Spans have fiber loss variation is > 2dB between A-B vs B-A on same fiber span & Length</div> <table><thead><tr><th>Sector Name</th><th>END A</th><th>Node Type</th><th>END B</th><th>Node Type</th><th>Fiber Length (in Km)</th><th>Fiber Type (G652D or not)</th><th>1st Fiber Loss (in dBm)</th><th>2nd Fiber Loss (in dBm)</th><th>Diff dB A-B vs B-A</th></tr></thead><tbody><tr><td>BLR-MUM & BLR-CHN</td><td>Madgaon</td><td>ODAM</td><td>Castlerock</td><td>ILA</td><td>67.7</td><td>Yes</td><td>19</td><td>23.5</td><td>-4.5</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Londa</td><td>ODAM</td><td>Alnawar</td><td>ILA</td><td>37.5</td><td>Yes</td><td>17.1</td><td>22.2</td><td>-5.1</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Alnawar</td><td>ILA</td><td>Hubli</td><td>ODAM</td><td>65</td><td>Yes</td><td>29.7</td><td>31.8</td><td>-2.1</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Haveri</td><td>ILA</td><td>Devangere</td><td>ILA</td><td>75.6</td><td>Yes</td><td>20.9</td><td>23.5</td><td>-2.6</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Arsikeri</td><td>ODAM</td><td>Tiptur</td><td>ILA</td><td>25</td><td>Yes</td><td>10.8</td><td>12.8</td><td>-2</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Tiptur</td><td>ILA</td><td>Tumkur</td><td>ILA</td><td>78.6</td><td>Yes</td><td>30.6</td><td>27.9</td><td>2.7</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Dodbele</td><td>ILA</td><td>Banglore</td><td>ODAM</td><td>43.4</td><td>Yes</td><td>31</td><td>28.9</td><td>2.1</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>MAQ (Manglore)</td><td>ODAM</td><td>Kabakpattur</td><td>ILA</td><td>56.1</td><td>Yes</td><td>24.1</td><td>17.6</td><td>6.5</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Sub-RD</td><td>ILA</td><td>Saklespur</td><td>ILA</td><td>65</td><td>Yes</td><td>20</td><td>16.2</td><td>3.8</td></tr><tr><td>BLR-MUM & BLR-CHN</td><td>Tindivaram</td><td>ILA</td><td>Chengalpattu</td><td>ILA</td><td>76.3</td><td>Yes</td><td>23.2</td><td>28.4</td><td>-5.2</td></tr><tr><td>NDL-HOL</td><td>Mugalserai</td><td>ODAM</td><td>Babus Road</td><td>ILA</td><td>61.572</td><td>G652D</td><td>26.2</td><td>28.2</td><td>-2</td></tr></tbody></table>	Sector Name	END A	Node Type	END B	Node Type	Fiber Length (in Km)	Fiber Type (G652D or not)	1st Fiber Loss (in dBm)	2nd Fiber Loss (in dBm)	Diff dB A-B vs B-A	BLR-MUM & BLR-CHN	Madgaon	ODAM	Castlerock	ILA	67.7	Yes	19	23.5	-4.5	BLR-MUM & BLR-CHN	Londa	ODAM	Alnawar	ILA	37.5	Yes	17.1	22.2	-5.1	BLR-MUM & BLR-CHN	Alnawar	ILA	Hubli	ODAM	65	Yes	29.7	31.8	-2.1	BLR-MUM & BLR-CHN	Haveri	ILA	Devangere	ILA	75.6	Yes	20.9	23.5	-2.6	BLR-MUM & BLR-CHN	Arsikeri	ODAM	Tiptur	ILA	25	Yes	10.8	12.8	-2	BLR-MUM & BLR-CHN	Tiptur	ILA	Tumkur	ILA	78.6	Yes	30.6	27.9	2.7	BLR-MUM & BLR-CHN	Dodbele	ILA	Banglore	ODAM	43.4	Yes	31	28.9	2.1	BLR-MUM & BLR-CHN	MAQ (Manglore)	ODAM	Kabakpattur	ILA	56.1	Yes	24.1	17.6	6.5	BLR-MUM & BLR-CHN	Sub-RD	ILA	Saklespur	ILA	65	Yes	20	16.2	3.8	BLR-MUM & BLR-CHN	Tindivaram	ILA	Chengalpattu	ILA	76.3	Yes	23.2	28.4	-5.2	NDL-HOL	Mugalserai	ODAM	Babus Road	ILA	61.572	G652D	26.2	28.2	-2	<div>In Few of sections the difference in fiber loss A-B vs B-A is close to 5 dB which is not good operationally for 100G/200G DWDM system. 100G/200G NLD DWDM system require better fiber maintenance in order to achieve Bi-directional optimum DWDM performance. we suggest to keep both sides fiber loss same or variations shall not be more than 2 db.</div> <div>Request RailTel to allow OEMs to consider lower of both these fiber loss value for Link engineering, same was permitted previously as well.</div>	<div>In case of fiber loss variations is more than 2 dB in 1st Fiber Loss and 2nd Fiber Loss of same fiber pair. In that case Bidder is allowed to consider lower of both these fiber loss value for Link engineering.</div>
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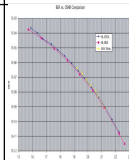
89	3.A.1.3.1	31, 32, 33, 34, 35		10G and STM16 Colored DWDM Plugs are asked for Routers and existing SDH OEMs chassis	Hope these OEMs accept 3rd Party MSA plugs. Request Railtel to confirm if Bidder can propose MSA plugs and in case of any interop issue RailTel will takeup with existing OEMs to ensure no blocking on their chassis / Software to accept 3rd Party MSA Plugs.		Tender conditions are very clear, No change is proposed.
90	Annexure 1	174	4	Chennai to Mumbai existing Link details missing	Chennai to Mumbai existing Link details missing	Need Link details for Chennai to Mumbai Link	Please see point 5.1 of clause 3.A.1.1 of Chapter-3A
91	4.A.23	93	4.A.23.1	Certain benefits/preferential treatment shall be extended to the registered MSEs as per guidelines issued in the latest notification of Ministry of MSME/ Government of India.	Railtel to consider our request and extend EMD Exemption to MSME, will be of Great support to us during this Pandemic Situation		Tender clause is very clear. MSME are already exempted for EMD & Tender Cost
92	e)	3		Estimated cost of work (excluding AMC)	Whether the estimated cost of work mentioned is including taxes and Duties?		The estimated cost is including taxes
93	Clause 22, Chapter 4A	92	22.1	All the Bidders/OEM are required to deposit Tender Cost as mentioned in NIT and EMD amount as detailed given in offer letter Chapter-1, 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.	As per MoF circular No. F.9/4/2020-PPD dt 12 Nov 2020, it has been outlined that due to economic slowdown due to pandemic, the EMD should not be asked from the bidders. Quoting: "In view of above, it is reiterated that notwithstanding anything contained in Rule 171 of GFRs 2017 or any other Rule or any provision contained in the Procurement Manuals, no provisions regarding Bid Security should be kept in the Bid Documents in future and only provision for Bid Security Declaration should be kept in the Bid Documents" Unquoting Attaching the circular for your kind reference. Will request you to kindly remove EMD clause.		Please see point no. 2 of corrigendum-I
94	Clause 4.A.8, Chapter 4A	75	4.A.8.2	The Contractor should ensure the stores brought to site, against risks in consequence of war and invasion, as required under the Emergency Risk (Goods) Insurance Act in force from time to time.	Request you to kindly elaborate more on the Risk & expected coverage		Tender conditions are very clear, No change is proposed. Standard clause for Insurance
95	Clause 4.A.8, Chapter 4A	75	4.A.8.3	It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favour of RailTel. The contractor shall keep the policy/policies current till the equipment are handed over to the purchaser. It may also be noted that in the event of contractor's failure to keep the policy current and alive, renewal of policy will be done by purchaser for which the cost of the premium plus 20% of premium shall be recovered from the contractor.	This clause is one side & we request you to make it neutral. Since the insurance will be done by the bidder, thus the beneficiary for the has to be on their the name of the bidder & not Railtel. However, policy can be endorsed on Railtel's name. Thus request for the change on the same accordingly.		Tender conditions are very clear, No change is proposed. Standard clause for Insurance
96	4.A.27, Chapter 4A	94	4.A.27.1	4.A.27.1 If during the Agreement, the performance in whole or in part, by either party, of any obligation under this is prevented or delayed, by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENTS), provided notice of happenings of any such EVENT is given by the affected party to the other, within twenty one (21) days from date of occurrence thereof, neither party shall have any such claims for damages against the other, in respect of such non- performance or delay in performance. Provided service under this Agreement shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.	In view of the current situation, we would like to propose slight change in the clause as below: If during the Agreement, the performance in whole or in part, by either party, of any obligation under this is prevented or delayed, by reason beyond the control of the parties including war, hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, epidemic, quarantine restriction, pandemic (including but not limited to Covid-19), strikes and lockouts (as are not limited to the establishments and facilities of the parties), fire, floods, earthquakes, natural calamities or any act of GOD (hereinafter referred to as EVENTS), provided notice of happenings of any such EVENT is given by the affected party to the other, within 30 (Thirty) twenty one (21) days from date of occurrence thereof, neither party shall have any such claims for damages against the other, in respect of such non- performance or delay in performance. Provided service under this Agreement shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.		Tender conditions are very clear, No change is proposed. Standard clause for Force Majeure
97	4.A.31, Chapter 4A	95	4.A.31.1	The Maximum Liability of tenderer to any Loss/Damages to RailTel including Liquidity Damages and Performance Guarantee shall be limited to 100% of Value of contract.	This clause is one sided, thus will request you to kindly make slight change as below: The Maximum Liability of tenderer to any Loss/Damages to RailTel including Liquidity Damages and Performance Guarantee shall be limited to applicable purchase order/statement of work/invoice giving rise to such liability. 100% of Value of contract.		Tender conditions are very clear, No change is proposed. Standard clause for Risk & Cost

98	4.A.28, Chapter 4A	94	4.A.28	4.A.28 In case of any dispute concerning this order both the tenderer and RailTel shall try to settle the same amicably through mutual discussion/negotiations. Any unsettled dispute shall be settled in terms of Indian Act of Arbitration and conciliation 1996 or any amendment thereof. Place of arbitration shall be New Delhi. Arbitrator shall be appointed by Chairman & Managing Director, RailTel Corporation of India Limited.	<p>We request appointment of a panel of 3 Arbitrators. Rationale - it is pertinent to mention that in the current clause on Arbitration, as the Bidder does not have equal right to represent / litigate vide Arbitration. We request to have a fair chance to represent ourself in the event of any dispute / conflict vide arbitration. Thus, we propose a panel of 3 Arbitrators, one from each side, post which those 2 Arbitrators shall appoint 1 Arbitrator. Thus we request for change in clause as follows:</p> <p>In case of any dispute concerning this order both the tenderer and RailTel shall try to settle the same amicably through mutual discussion/negotiations. Any unsettled dispute shall be settled in terms of Indian Act of Arbitration and conciliation 1996 or any amendment thereof. Place of arbitration shall be New Delhi. Arbitrator shall be appointed by Chairman & Managing Director, RailTel Corporation of India Limited. The disputes or differences shall be referred to a Arbitration panel consisting of 3 Arbitrators. Each party shall appoint 1 Arbitrator each and the 2 Arbitrators shall appoint the third arbitrator who shall act as the Presiding Officer.</p>	<p>Tender condions are very clear, No change is proposed.</p> <p>Standered clause for Settlement of Disputes</p>																												
99	4.A.30, Chapter 4A	95	4.A.30	The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the Tenderer, terminate this contract in whole or in part. a) If the tenderer fails to deliver any or all of the goods within the time period(s) specified in the contract. b) If the tenderer fails to perform any other obligation(s) under the contract; and c) If the tenderer, in either of the above circumstance(s) does not remedy his failure within a period of 30 days (or such longer period as the Purchaser may authorize in writing) after receipt of the default notice from the Purchaser.	<p>This clause is one sided & only in favour of purchaser. There shall also be right to the bidder/contractor, if in case of the purchaser does not fulfil its obligation. Thus will request you to kindly add below point in the clause.</p> <p>In the event of any material breach on part of Purchaser to fulfil its obligations under this Agreement, Contractor shall terminate the Contract by giving to Purchaser prior 30 (Thirty) days written notice.</p>	<p>Tender condtions are very clear, No change is proposed.</p> <p>Standered clause for Termination for Default</p>																												
100	4.A.32, Chapter 4A	95	4.A.32	The purchaser may at any time terminate the LOA/Sub PO/PO by giving a written notice to the yenderer, without compensation to the tenderer, if the tenderer becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.	<p>Request for change in clause as below: Both PartiesThe purchaser may at any time terminate the AgreementLOA/Sub PO/PO by giving a written notice to the other partytenderer, without compensation to the other Party tenderer, if the other Partytenderer becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to either Partythe Purchaser.</p>	<p>Tender condtions are very clear, No change is proposed.</p> <p>Standered clause for Termination for Insolvency</p>																												
101	12.3	81	S No 2	<p>Eligibility Criteria Requirements: The Equipment offered by the tenderer for 100G deployment of DWDM & Alien DWDM system for minimum length of 500 Kms for at least last 12 months, in India or Abroad.</p> <p>Supporting Document Required: satisfactory Working Performance of the same series/family from the same OEM by the user is required to be submitted and it should be issued during last one year from the date of opening of Tender.</p>	<p>We understand as per Clause 12.3 against eligibility criteria of the OEM, the equipment should be satisfactory working for at least last 12 months in India or abroad. But the supporting documents asked for the same specifies that they should be issued during the period of last 1 year. Kindly clarify if the supporting documents issued before the timeframe of one year from the date of opening of tender should also be considered. We would also like to request that since last 1 year everything was closed globally, the timeframe of the supporting documents should be increased to more than 1 year.</p>	<p>Old certificate with copy of email confirming current satisfactory working of equipments from user organisation (as defined in tender) may be submitted.</p>																												
102	4.B.2 (a)	100	5,6,11,17,18,19	"TECHNICAL BID" The bid shall consist of the following:- POA, PMA certificate and Form:3, 7, 8, 11, 12 is asked on stamp paper with notary.	<p>Kindly note that due to pandamic lockdown throughput the country , stamp paper and notary service is not available.Hence we request Railtel to allow us to submit the same on our company letter head else extension of bid submission would be required to prepare the documents untill lockdown opens.</p>	<p>Please see point no.3 of corrigendum-I</p>																												
103	Clause 4.A.12.2 (3), Chapter-4A (Technical Capability)	108	S No 2	<table><tr><th>Table-1 Qualifying Cretirea for Bidder</th><th colspan="3">Eligibilty Creteria (In Cr.)</th></tr><tr><th>Description</th><th>SOR-1</th><th>SOR-2</th><th>SOR-1 + SOR-2</th></tr><tr><td>Single Order 60% of SOR Value</td><td>20.21</td><td>18.28</td><td>38.49</td></tr><tr><td></td><td></td><td></td><td></td></tr></table> <table><tr><th>Table-2 Qualifying Cretirea for OEM</th><th colspan="3">Eligibilty Creteria (In Cr.)</th></tr><tr><th>Description</th><th>SOR-1</th><th>SOR-2</th><th>SOR-1 + SOR-2</th></tr><tr><td>Value of supplied equipment/ software offered or equipment/software of the same series/family</td><td>11.79</td><td>10.66</td><td>22.45</td></tr></table>	Table-1 Qualifying Cretirea for Bidder	Eligibilty Creteria (In Cr.)			Description	SOR-1	SOR-2	SOR-1 + SOR-2	Single Order 60% of SOR Value	20.21	18.28	38.49					Table-2 Qualifying Cretirea for OEM	Eligibilty Creteria (In Cr.)			Description	SOR-1	SOR-2	SOR-1 + SOR-2	Value of supplied equipment/ software offered or equipment/software of the same series/family	11.79	10.66	22.45	<p>Kindly clarify whether we have to submit three different deployment(Supply & Services) proof documents as per vlaue mentioned for SOR-1, SOR-2, SOR-1+SOR-2 (Cumulative) requirement or single order of value more than 38.49 Cr will fulfill the requirement of both package.</p>	<p>Please refer point no 1.b of footnote of Schedule of requirement of Chapter 2.</p>
Table-1 Qualifying Cretirea for Bidder	Eligibilty Creteria (In Cr.)																																	
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104	Clause 4.A.12.3, Chapter-4A	108	S No 1	<table><tr><th>Description</th><th>SOR-1</th><th>SOR-2</th><th>SOR-1 + SOR-2</th></tr><tr><td>Value of supplied equipment/ software offered or equipment/software of the same series/family</td><td>11.79</td><td>10.66</td><td>22.45</td></tr></table>	Description	SOR-1	SOR-2	SOR-1 + SOR-2	Value of supplied equipment/ software offered or equipment/software of the same series/family	11.79	10.66	22.45	<p>If any participant is bidder as well as OEM, is it require to fulfill both qualifying cretirea and need to submit different deployment (Supply & Services) proof documents for Table-1 (38.49 Cr) and Table-2(22.45Cr). Pls confirm.</p>	<p>OEM has to meet eligibility criteria for bidder and OEM both</p>																				
Description	SOR-1	SOR-2	SOR-1 + SOR-2																															
Value of supplied equipment/ software offered or equipment/software of the same series/family	11.79	10.66	22.45																															
105	Additional Query				<p>Is Reverse auction applicable in this tender since this railtel tender come under contract type "Works" and having tender estimate more than 50Cr. Pls confirm.</p>	<p>Reverse Auction is not applicable in this tender.</p>																												
106	4.A.2.5	69	4.A.2.5.1	Maintenance Supervision: In addition two NMS trained engineer (one for each SOR package) shall be provided at the NOC location in each Region, as part of maintenance supervision obligation	<p>Can Bidder/OEM take leverage and use existing NOC engineer if already deployed in Railtel region office. Pls confirm.</p>	<p>No</p>																												

107	5.7	27	5.7	Bidder/OEM can use same DWDM Network (Proposed system) components like chassis, OSC system and modules at common locations/paths for different DWDM routes without impacting traffic and functionality of DWDM Network of particular routes.	For offering level playing opportunity to all bidders, all the bidders should mandatorily propose new equipments at all the sites otherwise incumbent bidders will have an unfair advantage of not proposing new chassis at the sites. Please confirm.		Tender conditions are very clear. No change is proposed.																		
108	10	41	d.	DCM should be use as minimum as possible to run 10G network as per traffic matrix requirement and MDWDM optical layer should also be design to run 10G links (line side) in between neighbour Node OADMs (Example: 10G Links (line side, P to P) should be possible to run in between Gudur to Reningunta and Gudur to Chennai).	We understand that it is required to offer DCMs for only those links requiring Nx10G Line side design for MDWDM links. Please confirm if our understanding is correct.		Tender conditions are very clear, No change is proposed. Please see point no 10. d of Clause 3.A.1.3.1 of Chapter-3A.																		
109	11	41	11	Bidder/OEM can use proposed and existing DWDM Network of same OEM make components like chassis, OSC system and modules in MDWDM Network at common locations/paths.	In case, the incumbents are allowed to use available slots for deployed DWDM Systems,the modules can be procured from existing RCs (Rate Contracts) and respective demands can be diluted from this Tender at the time of procurement. AMC of the Equipments are always calculated with respect to the Tenders. Hence it will be very complicated for Railtel or incumbent OEMs to reach out the AMC for earlier deployed equipments & the equipment supplied as per part of this tender. In case Railtel retains this clause, we request you to also suggest us the AMC calculation to be considered. Please clarify.		Please see point no.4 of corrigendum-I																		
110	3.A.1.4.11	42	3.A.1.4.11	The WSS system for DWDM Network shall provide software controlled Variable Optical Attenuators (VOA). The optical power per channel must be adjusted automatically, without using external measurement equipment. The adjustment arising out of adding/removing channels has to be done without manual adjustment and shall be possible without affecting other channels; it shall either be triggered by a software command or automated.	Please confirm if it is mandatory or optional to propose VOA for MDWDM & 10G line rates.		Tender conditions are very clear. Equipment/Modules should be proposed based on requirement of Tender.																		
111	3.A.1.4.18	43	3.A.1.4.18	DWDM and MDWDM Line port shall be provided with tunable laser covering the complete C band for 40 discrete wavelengths at 50/100 GHz spacing for fast provisioning of transparent end to end services and spare part reduction	As per clause 8.A.4.7 point no. 3, Page-166 of tender, fixed 10G SFP on router is required while clause 3.A.1.4.26 refers to Tunable Lasers. As there is a conflict on theabove two clause, please clarify if the Bidder is required to offer fixed colored 10G Laser or Tunable 10G DWDM SFPs. Kindly confirm		Tunable Lasers is applicable for Transponder/Muxponder only.																		
112	3.A.1.4.26	44	5	Inner Amplifier <table border="1"><thead><tr><th>S.No.</th><th>Active Component</th><th>Types of Model allowed</th></tr></thead><tbody><tr><td>1</td><td>Chassis (ROADM, OADM, Regen, ILA)</td><td>Max. Four Type</td></tr><tr><td>2</td><td>Amplifiers (Booster, Pre-Amp , Midstage and In-line Amplifier)</td><td>Max. Four types</td></tr><tr><td>3</td><td>WSS</td><td>Max. Two type</td></tr><tr><td>4</td><td>Mux/Demux (Ch. Add/drop)</td><td>Mux /Demux three types</td></tr><tr><td>5</td><td>Inner Amplifier</td><td>Only One type</td></tr></tbody></table>	S.No.	Active Component	Types of Model allowed	1	Chassis (ROADM, OADM, Regen, ILA)	Max. Four Type	2	Amplifiers (Booster, Pre-Amp , Midstage and In-line Amplifier)	Max. Four types	3	WSS	Max. Two type	4	Mux/Demux (Ch. Add/drop)	Mux /Demux three types	5	Inner Amplifier	Only One type	Inner amplifier is not a standard terminology used in ITU-T Standards. No ITU-T standard defines any amplifier characteristics other than Booster Amplifier, Pre-Amplifier and Inline Amplifier. As there already is a mention of 4 types of amplifiers being allowed. We understand that any amplifier used in DWDM offering should be anyone of these 4 amplifiers only. We request you to remove any reference of "Inner Amplifier" in the tender. We suggest to make the ammendements in the Number of amplifiers as 5 types of allowed amplifier. Moreover Inner amplifier is a terminology used by one specific OEM for offering their solution and hence is required to be diluted for not giving any unfair advantage to that particular OEM. Hence we request for deletion of "Inner Amplifier" & "ammendments of "Amplifiers (Booster, Pre-Amp,Midstage and In-Line Amplifier)" as "Max Five types" in order to accomodate that specific OEM. Kindly confirm.		Please see point no.5 of corrigendum-I (Inner Amplifier category has been merge with Amplifier category. Bidder is allowed to give inner amplifier (as a In line amplifier) in amplifier category as the type of model allowed is max five")
S.No.	Active Component	Types of Model allowed																							
1	Chassis (ROADM, OADM, Regen, ILA)	Max. Four Type																							
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4	Mux/Demux (Ch. Add/drop)	Mux /Demux three types																							
5	Inner Amplifier	Only One type																							
113	Additional Query				We understand that it is mandatory for all the bidders (incumbent OEMs as well as new OEMs) to propose New NMS HW & SW at DC and DR location for managing the offered DWDM Network as envisaged in the Tender. Kindly confirm.		Tender conditions are very clear. Equipment/Modules should be proposed based on requirement of Tender.																		
114	3.A.1.4.40.1.8	47		3.A.1.4.40.1.8 Earthing will be made available on Earthing bus- bar on the wall in equipmentroom. Racks if applicable (for new DWDM layer), DCDB, MCBs, power cables (approx. 15 mtr per site) required for extending power from Power distribution point shall be provided by the Bidder.	1.Power cards will be redundant,Power cable also we have to consider total of 60 Mts(2x (Red+Black)=2x(15+15) =60 Metres)per site.Please clarify. 2.Please clarify the gauge of power cable (16 sqmm)		Tender conditions are very clear. Equipment/Modules should be proposed based on requirement of Tender.																		
115	3D.4.3	56		The 48V DC supply shall be extended to equipment rack using stranded PVC insulated copper cable as per IRS/TEC specs. Tenderer shall workout on power consumption of the equipment at each location and furnish the details in the bid. The tenderer will supply DC power cable with double current capacity of the required current for dropping 8x100G channels from each direction at client level. The length of DC power/earthing cable shall be assessed and supplied by tenderer for each site as per site requirement. Physical work shall be done by RailTel. Alarm Cable of minimum 20 m length should also be supplied with 20% of equipments to extend external/power supply alarms from charger to the equipment for monitoring the alarms from NMS.	1.Power cards will be redundant,Power cable also we have to consider total of 60 Mts(2x (Red+Black)=2x(15+15) =60 Metres)per site.Please clarify. 2.Please clarify the gauge of power cable (16 sqmm)		Tender conditions are very clear. Gauge of the power cable should be planned based on the offered product (on maximum Load) of OEM.																		

116	3D.5.1	56		<p>3D.5 EARTHING</p> <p>3D.5.1 The earthing arrangement shall be provided by RailTel for earthing of optical and digital equipment at the equipment room on a bus bar with value less than one ohm (approx.). The extension of the same to the equipment rack / equipment using earth cable 16 sq mm (min.) copper of ISI make, will be the responsibility of theTenderer.</p>	How many metres of Earthing cable to be considered.Please clarify.		As per site requirement.
117	4.A.2.4.1	68		<p>4.A.2.4 Warranty Support</p> <p>4.A.2.4.1 Material for repair during Warranty Period shall be handed over /taken over to contractors engineer at regional NOC's or mutually agreed RailTel PoP location. To enforce fulfillment of support objectives, bidder shall make available services of two qualified engineer at NOC location in each Region (8 in total) to the satisfaction of RailTel for level 2 support during the warranty period. The cost for Technical Engineering support etc., may be quoted as provided for in SOR. The Contractor's Engineer shall be responsible to identify the fault and advise corrective measures and ensure that defective cards are replenished. The cost of cards repairs etc. shall be included in the quoted bid price towards warranty.</p>	1.In SOR -1 (B4) and SOR-2 (B4) the no of engineer requirement is 4 Engineer for warranty period of 2 years. Here in Clause 4.A.2.4 is the requirement is mentioned as "bidder shall make available services of two qualified engineer at NOC location in each Region (8 in total) to the satisfaction of RailTel for level 2 support during the warranty period". Please clarify how many engineers per year per region as part of Warranty NOC Support..		It is clarified that, two qualified engineer at NOC location in each Region (8 in total) to the satisfaction of RailTel for level 2 support during the warranty period.
118	4.A.2.5.	69		In addition two NMS trained engineer (one for each SOR package) shall be provided at the NOC location in each Region, as part of maintenance supervision obligation. The NOC engineer will ensure that the down time shall not be more than 4 hours for equipment failure. Additional manpower if considered necessary shall be provided by contractor to stabilize the network. A penalty of Rs. 1000/- per hour of down time of network shall be imposed on the contractor for not meeting the down time prescribed. The Contractor's Engineer shall be responsible to identify the fault and advise corrective measures and ensure that defective cards are replenished.	1. Two NMS trained engineer (one for each SOR package) is not covered as part of SOR. Please clarify.		Please see point no.1 of Corrigendum-I
119	4.A.3.4	71		4.A.3.4 As part of level-2 support, two experienced engineer (one for each SOR package) should be available at the NOC location in each Region during general shift (to be available beyond shift hours, when needed, for meeting SLAs) and should work for RailTel's exclusive requirement.	1.NOC engg requirement is mentioned only for Warranty period of 2 years in SOR. For AMC Period 8 Engg per year for 5 years there is no tab in Schedule of Services.Please clarify. As per tender,AMC to be considered at 3.5% of BOQ value per year.If 8 Engg per year will be part of 3.5% of BOQ Value then AMC will not be worth of 3.5%.Kindly clarify. 2. In both the SORs NOC Engineer requirement is not added. Please clarify 3.Do we have to provide services of 8 Engineer for 5 years for each SOR separately.Pls clarify.		8 enginners are part of AMC and bidder has to provide the same. Biider is allowed to quote AMC as per their actual expenditure.
120	7.5.2	149		<p>Duration of Repair - Deduction/Penalties</p> <p>1.More than 30 days and upto 40 days part/module (from the date of receipt) 1.10% of the cost of affected</p> <p>2.More than 40 days and upto 50 days part/module (from the date of receipt) 2.25% of the cost of affected</p> <p>3.More than 50 days and upto 60 days part/module (from the date of receipt) 3.75% of the cost of affected</p> <p>4.More than 60 days (from the date of receipt) 4.Full cost of affected part/module</p>	1.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 2.30 days SLA is calender days or Business Days.Please clairify.		Its supply cost of affeted part/ module. 30 days SLA will be count by calender days.
121	3.A.1.3	34	b.	Router/SDH MUX side SFP+ (DWDM coloured SFP)/STM-16 SFP shall be supplied by Bidder as per technical specification given in clause 8.A.4.7 of Chapter 8A. Bidder can also propose 10G transponder instead of DWDM 10G SFP+ (Router side) / STM-16 SFP as per specifications given in clause 8.A.1.3 of Chapter 8A of DWDM & MDWDM Technical Specifications. In that case, Transponder should have minimum line/client-side ports as per traffic matrix requirement. Clients side should be equipped with 10G SFP+/XFP (1310nm)/STM-16 SFP.	1. please provide confirmation about FEC support on the 3rd party routers. 2. If there is a 3R site in between location where bidder has proposed pluagbles on 3rd party router., how 3R at site acc to design will be ensured by Railtel. 3. Also confirm if all the 10G ports on router are with SFP+ form factor, not XFP form factor. Pls Clarify.		1. FEC support is not avilable on Routers and SDH Mux 2 .Bidder should proposed soloution based on traffic matrix requirement , Any additional Hardware/Software will not provided at 3R Sites by RailTel. 3.SFP+ may be considered.
122		41		Bidder/OEM can use proposed and existing DWDM Network of same OEM make components like chassis, OSC system and modules in MDWDM Network at common locations/paths.	Since this is a two package bid for Long Haul DWDM and MDWDM, how can the hardware be shared between two packages? Please clarify		No Bidder has to offer independent solution for both SOR packages.
123		43		Bidder/OEM can use proposed and existing DWDM Network of same OEM make components like chassis, OSC system and modules in MDWDM Network at common locations/paths.	Since this is a two package bid for Long Haul DWDM and MDWDM, how can the hardware be shared between two packages? Please clarify		No Bidder has to offer independent solution for both SOR packages.

124		52		The Optical amplifiers have to work on 80 @ 50GHz or 40 @ 100GHz channels from day one.	As per the trend in last few tenders, we have observed that RailTel's network is evolving towards flexi grid environment with higher bit rates like 200G/300G being offered by various bidders. In this tender also, one of the alien section have 200G/300G bit rates. In this tender, RailTel has asked for flexi grid WSS. However, the amplifier being asked is Fixed Grid amplifier. Therefore, we request RailTel to amend the clause as per below: The optical amplifiers should support flexi grid network having higher bit rates of 200G/300G/400G from day-1.		Tender conditions are very clear. No change is proposed.
125		137		100G client interface shall be LR4 with dual rate at Delhi and SR4 at other locations	Does the 100G SR4 client at locations other than Delhi should be dual rate or only 100GE? Please clarify.		Tender condtions are very clear. SR4 is 100GE only
126		31		DWDM Colored 10G SFP+ 2. Should support 80 km optical distance on direct fiber and 150 KM with optical fiber distance (losses 0.5db/km) on MDWDM Network (amplified application).	a) Does 80 Km (40dB loss) here means unamplified application? If yes, the it is not possible to drive the signal to 40dB without amplification. B) is 150 Kms amplified solution with 75dB Losses? Again this is not possible even with amplifiers. Is this 80km/150km reach required in a single span or there will be various ILA's/OADM in between? Please clarify.		A.Tender condtions are very clear. Please see point no. 10 of clause 8.A.4.7 of Chapter 8A. B. Bidder/OEM may consider multiple ILA/OADM in between.
127		140		Design of MDWDM Network	In the link type with "Muxponder" and client side capacity as 2x10G or 4x10G. What is the line side wavelength RailTel is looking for? 10G or 100G? Please clarify.		Tender condtions are very clear. Bidder/OEM may use any wavelength for nx10G traffic (line side) based on the offred solution. For the client side SFP for muxponder, bidder may offer a wavelength 1310. Please refer point b of clause no. 3.A.1.3.1 of Chapter-3A.
128				Fiber losses in forward and reverse fibers	We have observed that there is significant difference between forward and reverse fiber in the new DWDM segment and the Existing Alien segment as well. For the coherent 200G or higher line rates to work, the difference between the forward and reverse fibers should be ideally be less than 0.25dB. Moreover, these kind of loss fluctuations can be easily fixed with fiber maintenance. Please allow the bidder to use the lower fiber losses in New DWDM and Alien DWDM segment where loss difference is greater than or equal to 1.0dB		In case of fiber loss variations is more than 2 dB in 1st Fiber Loss and 2nd Fiber Loss of same fiber pair. In that case Bidder is allowed to consider lower of both these fiber loss value for Link engineering.
129				New DWDM Sections having no traffic	Does the bidder need to provide optical layer including amplifiers, ROADM, Mux-Demux etc. in the SoR BoQ for the sections in New DWDM links which have no traffic passing through them? Please clarify.		Optical Layer should be proposed as per network topology diagram and transponder/Muxponder/SFP with protection sytem (if required) should be proposed as per traffice matrix defined in Tender documentnt
130				Interconnection of Delhi-Kolkata, Delhi-Mumbai, Bangalore-Chennai, Bangalore-Mumbai topologies	Does RailTel intends to interconnect the 3 new DWDM topologies or they will remain as shown in tender (isolated from each other). For Example: NDLS, Mumbai, Panvel, Bhusaval etc are some of the common nodes amongst these topologies. Does the bidder need to consider them as separate in every topology since no traffic is going from one topology to another? Please clarify.		Yes, RailTel intends to interconnect the new DWDM topologies at common DWDM Locations. RailTel also intends to interconnect the MDWDM topologies at common MDWDM Locations.
131				RailTel will provide Rack Space, p o w e r (DC) for equipment Installation & Commissioning.	Please clarify, whether the rack provided by RailTel will have PDU power points to terminate equipment power cables or the bidder needs to extend power to the RailTel Rack.		Please see clause no. 3.A.1.4.40 of Chapter-3A
132				Many sites are common are common in the NLD and Metro networks. But the classification of sites are different. The sites which are ILA in NLD, are classified as OADM in MDWDM. For ex: Chengalpattu is ILA in NLD while it is a 3 Degree OADM in Metro. In such a case, we suggest that RailTel should specify explicitly that NLD nodes cannot be used for Metro and vice versa.	Please clarify the Site architecture for such sites. Will it be different for DWDM and different for MDWDM?		Tender condtions are very clear. Both topology of DWDM and MDWDM are different, accordingly bidder are required to propose independent solutions for both SOR as per tender condition

133	4.A.12.2.(2) (Financial Capability)	76		Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant / Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.	The bidder would like to mention that as a proof of Financial capability Audited Balance Sheet are sufficient as the same are signed and stamped by a authorized chartered accountant. There is no need for Form 16A/26AS from client as these forms are internal document of our client and are for private use only. Moreover these forms do not show the nature of transaction , thereby does not have any meaningful impact of financial capability clause		Please see point no. 12 of Corrigendum-I																																																		
134	Table-1 Qualifying Criteria for Bidder	108		<table><tr><th colspan="5">Table-1 Qualifying Criteria for Bidder</th></tr><tr><th rowspan="2">SN</th><th rowspan="2">Clause No</th><th rowspan="2">Description</th><th colspan="3">Eligibility Criteria (in Cr.)</th></tr><tr><th>SOR-1</th><th>SOR-2</th><th>SOR-1 + SOR-2</th></tr><tr><td rowspan="4">1</td><td rowspan="4">Clause 4.A.12.2 (2), Chapter-4A (Financial Capability)</td><td>The bidder should have received a minimum cumulative contract amount from the operations.</td><td>50.5</td><td>45.7</td><td>96.2</td></tr><tr><td>For Startup- The bidder should have received a minimum cumulative contract amount from the operations.</td><td>16.84</td><td>15.235</td><td>32.08</td></tr><tr><td>Single Order 60% of SOR Value</td><td>20.21</td><td>18.28</td><td>38.49</td></tr><tr><td>Two Orders each of 40% of SOR Value</td><td>13.47</td><td>12.19</td><td>25.66</td></tr><tr><td rowspan="4">2</td><td rowspan="4">Clause 4.A.12.2 (3), Chapter-4A (Technical Capability)</td><td>Three Orders, each of 30% of SOR Value</td><td>10.10</td><td>9.14</td><td>19.25</td></tr><tr><td>For Startup- Single Order 35% of SOR Value</td><td>11.79</td><td>10.66</td><td>22.45</td></tr><tr><td>For Startup- Two Orders each of 20% of SOR Value</td><td>6.74</td><td>6.09</td><td>12.83</td></tr><tr><td>For Startup- Three Orders, each of 15% of SOR Value.</td><td>5.05</td><td>4.57</td><td>9.62</td></tr></table>	Table-1 Qualifying Criteria for Bidder					SN	Clause No	Description	Eligibility Criteria (in Cr.)			SOR-1	SOR-2	SOR-1 + SOR-2	1	Clause 4.A.12.2 (2), Chapter-4A (Financial Capability)	The bidder should have received a minimum cumulative contract amount from the operations.	50.5	45.7	96.2	For Startup- The bidder should have received a minimum cumulative contract amount from the operations.	16.84	15.235	32.08	Single Order 60% of SOR Value	20.21	18.28	38.49	Two Orders each of 40% of SOR Value	13.47	12.19	25.66	2	Clause 4.A.12.2 (3), Chapter-4A (Technical Capability)	Three Orders, each of 30% of SOR Value	10.10	9.14	19.25	For Startup- Single Order 35% of SOR Value	11.79	10.66	22.45	For Startup- Two Orders each of 20% of SOR Value	6.74	6.09	12.83	For Startup- Three Orders, each of 15% of SOR Value.	5.05	4.57	9.62	1) The bidder would like to clarify that for provenances of financial capability , can the bidder use the same Purchase/work order reference in SOR-1 & SOR-2 , because as per clause no-1.b (Page no-11) both the SOR-1 & SOR -2 are to be considered as independent of one another. 2) Also in the Technical capability , kindly confirm the bidder understanding "that in the requirement for two order each of 40% of SOR value" the bidder has to provide two orders in each SOR-1 & SOR-2 package eligibility requirement.		Bids against both SORs will be evaluated independently. However bidders are allowed to use common purchase orders/work orders as financial eligibility for both SOR-1 & SOR-2 as detailed in table under SOR-1 + SOR-2. Bidder is also allowed to use separate work orders/ Purchase Orders for each SOR.
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135	Table point no. VIII	12		Bidder has to provide their complete solution independently for SOR-1 & SOR-2.	Kindly confirm bidder understanding that different NMS (DC & DR) are to be considered for SOR-1 & SOR-2 independently		Yes																																																		
136				General term	After bid result is declared , will there be a separate agreement (between RailTel & L1 bidder) for SOR-1 & SOR-2 or there will be a common agreement for SOR-1 and SOR-2 if the tender winning party is same for both the SOR-1 & SOR-2 package		Separate agreement for SOR-1 & SOR-2																																																		
137	3A	3.A.1.3	29	The required network shall be Dense Wave Division Multiplexing (DWDM) based system and End of Life (EoL) shall not be less than 8 Years and capacity shall be 800 Gbps in Backbone line side. The system must be programmable and highly intelligent, with very basic, robust and simple architecture. Proposed solution shall work seamlessly with 100G and 10G channels.	We understand that 800Gbps line capacity is required in each direction at OADM site in MDWDM.		Bidder should proposed 800G DWDM System at each OADM Sites with Min 8 Channel Mux/Demux System at each directions . Some of Locations Bidder can proposed (as per topology) Min 4 Channel Mux/Demux with express port. Please see clause no 3.A.1.3.1 of chapter-3A.																																																		
138	3A	3.A.1.3	29	The required network shall be Dense Wave Division Multiplexing (DWDM) based system and End of Life (EoL) shall not be less than 8 Years and capacity shall be 800 Gbps in Backbone line side. The system must be programmable and highly intelligent, with very basic, robust and simple architecture. Proposed solution shall work seamlessly with 100G and 10G channels.	As per traffic matrix it seems requirement can't fulfill through 8 channel Mux/Demux at Main/POP site so recommendation is to use 40 channel Mux/Demux at OADM(Main/POP) site to consider future network capacity expansion as well. Intermediate sites requirement can fulfill through 4 channel mux/demux(express port), First traffic requirement is less , second Main/POP site traffic can by pass through express port , Hence no need 8 channel mux/demux at intermediate sites. If use less channel Mux/Demux system then generation of non linearity would be less in a link and can get better performance of Main/POP traffic.		Tender clause is very clear. No change is proposed.																																																		
139	3A	3.A.1.3.1	34	Router/SDH MUX side SFP+ (DWDM coloured SFP)/STM-16 SFP shall be supplied by Bidder as per technical specification given in clause 8.A.4.7 of Chapter 8A. Bidder can also propose 10G transponder instead of DWDM 10G SFP+ (Router side) / STM-16 SFP as per specifications given in clause 8.A.1.3 of Chapter 8A of DWDM & MDWDM Technical Specifications	We understand that coloured SFP+/XFP/SFP has to provide by OEM at Router/SDH MUX side , if any regenerator is required to pass through the traffic at intermediate site then Railtel will provide router/SDH MUX. At regenerator site if any mapping is required between coloured ports to pass through the traffic using SFP+/XFP/SFP then all configuration would be done by RailTel at router side.		1. FEC support is not available on Routers and SDH Mux 2. Bidder should proposed solution based on traffic matrix requirement , Any additional Hardware/Software will not provided at 3R Sites by RailTel. 3.SFP+ may be considered.																																																		
140	3A	3.A.1.3.1	41	Bidder/OEM can use proposed and existing DWDM Network of same OEM make components like chassis, OSC system and modules in MDWDM Network at common locations/paths.	We understand that Bidder/OEM can take leverage of existing/deployed 10G & 100G DWDM & MDWDM Hardware & Management system. Please confirm		Please see point no.4 of corrigendum-I																																																		
141	3A	3.A.1.4.34	46	Protection switching shall be triggered based on Loss of Signal and Pre-FEC BER signal failure/Degrade signal failure	we understand that switching shall be triggered LOS and Pre FEC BER/OSNR/Degrade condition, Please confirm		Protection switching shall be triggered based on Loss of Signal and Pre-FEC BER signal failure/Degrade signal failure (OSNR).																																																		