

Response to Pre-Bid Query against Tender No. RCIL_ER_22-23_1411 Dt. 22.08.2022

Response to RfC and Query Against Tender No. JNTCL/2022/01/00					
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				max 2 more optional ILA sites apart from sites are available 3A1.2.2. Bidder is also required to submit full link budget calculation of required channels 40 along with input parameters Vs output of planning tool. Fiber Characteristic – Forward and reverse path for the existing and New DWDM ILA and OADM Locations are placed in clause 3A1.2.2.	We understand that where the span loss are greater than 33 dB, we can use max 2 additional ILA if required to reach signal @ end location. or we can use total max 2 ILA additional to site mentioned under fiber loss details sheet.	Bidder can use max 2 additional ILA if required to reach signal @ end location.
				Fiber losses details table 1st Fiber Loss (forward) and 2nd Fiber Loss (reverse fibers)	We have observed that there is significant attenuation difference between forward and reverse fiber. Please allow the bidder to use the lower fiber losses where loss difference is greater than or equal to 1.0dB.	Bidder shall use the higher fiber losses.
7	8.A.1.4 & CHAPTER- 8-A	115	8.A.1.4.3	System shall support CFP/ with following client side services & specified reach on 100G Transponder	Request Railtel to confirm CFP should be pluggable in nature.	Pluggable
8	8.A.4.7 & CHAPTER- 8-A	119	8.A.4.7	DWDM Coloured 10G SFP+	Tender talks about 100G line side only. Please share why 10G coloured SFP+ is required. If it is not required, request railtel to remove the clause	10G coloured SFP+ is not required, not included in the SOR.
9	8 & CHAPTER- 8-B	120	8.B.1	Rack should preferably be of 19"/21" size from equipment manufactures and make or from branded quality manufacturers like APW President or Rittal. In case of any other make, it should be approved by RailTel prior to offering the same for inspection.	Request Railtel to allow to supply racks of any standard company in market and do not limit it to two makes.	No change in the tender specification
10	8 & CHAPTER- 8-B	120	8.B.2	Approx. external size of rack: 2200H x 600W x 600D excluding top bolted canopy.	In the market, all OEMs prefer to make 300mm depth DWDM equipments. So, 600mm depth is not required. Request railtel to change the clause to 300mm depth for the offered rack.	No change on the tender specification
11	8 & CHAPTER- 8-B	120	8.B.3	Dust & water protection to IP41 level should be provided in each rack	IP41 standard is for outdoor racks where waterproofing is required. Since, all the racks(if offered) will be supplied for Indoor deployments. Request you to remove this clause.	Dust & water protection shall be aviable
12	8 & CHAPTER- 8-B	120	8.B.7	Bolted canopy at the top (extending 50mm outside on all four sides).	It has no use in case of high end equipments, request railtel to delete the clause	Deleted
13	8 & CHAPTER- 8-B	120	8.B.10	600mm front door with transparent toughened glass fitted on MS sheet on sides with rubber beading, locks & keys.	Since, Railtel has asked for 100G equipments which dissipates lot of heat. So, closed door racks should not be deployed. Railtel should change this clause to perforated doors so that sufficient air can reach to equipments.	Front door shall be as per the requirement of DWDM equipment.

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14	8 & CHAPTER- 8-B	120	8.B.11	600mm MS plain rear panel having ventilation holes at bottom side with dust filters.	Since, Railtel has asked for 100G equipments which dissipates lot of heat. So, closed door racks should not be deployed. In case perforated racks are allowed, bottom holes are not required. Railtel should change this clause to perforated doors so that sufficient air can reach to equipments.	No change on the tender specification
15	8 & CHAPTER- 8-B	120	8.B.21	Finish: powder coated light Grey RAL 7035 on outside & powder coated white on the inside.	Normal power coating is sufficient for the supplied	Finish: powder coated light Grey on outside & powder coated white on the inside.
16	Chapter-3	27	3D.4.3	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)	No change on the tender specification
17	Chapter-3	27	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 the Tenderer.	How many metres of Earthing cable to be considered.Please clarify.	No change on the tender specification

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18	Chapter-3	35	3F.1	3F.1 TRAINING Tenderer shall train personnel of Purchaser/engineer in all aspects of DWDM communication system. It shall be explicitly understood, that Purchaser's/Engineer's personnel shall be fully associated during Engineering, Installation, Testing and Commissioning activities and this opportunity shall be taken by Tenderer to impart on the job training.	How many batches, days, participants of training & location. Please clarify	One batch, 5 participants
19	Chapter-4	38	4.A.2.4.1	4.A.2.4 Warranty Support 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 qualified engineer at NOC Kolkata location to the satisfaction of RailTel support during the warranty period. 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.	NOC Engineer requirement is not shared in SOR. Please clarify how many engineers required in NOC & for how many years.	Dedicated support of engineer at NOC is not required.

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Chapter-4	39	4.A.2.5.	4.A.2.5. Maintenance Supervision After 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. 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.	NOC Engineer requirement is not shared in SOR. Please clarify how many engineers required in NOC & for how many years.	Dedicated support of engineer at NOC is not required. Support is required during Warranty period and AMC period.
Chapter-7	2,3	7.4.1.1	2. If contractor fails to return the repaired card within stipulated time of 30 days from the date of receipt then the OK (good conditioned) cards/SFPs/parts etc will be provided by the contractor for the subsequent in this period free of cost till replacement with the repaired card. 3. All transportation, freight and insurance charges will be borne by the contractor	As a std practice, One side shipment cost from customer location to supplier Repair centre to be borne by Railtel. Please confirm,	No change in the tender condition

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22	Chapter-7	105	7.5.2	Duration of Repair - Deduction/Penalties 1. More than 30 days and upto 40 days 1.10% of the cost of affected part/module (from the date of receipt) 2. More than 40 days and upto 50 days 2.25% of the cost of affected part/module (from the date of receipt) 3. More than 50 days and upto 60 days 3.75% of the cost of affected part/module (from the date of receipt) 4. More than 60 days (from the date of receipt) 4. Full cost of affected part/module receipt)	1. R&R TAT of 30 days is it 30 calendar days or working days. Please confirm 2. 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	1. 30 calendar days 2. Tender condition is clear
23	Chapter-3	6		Supply of DWDM System as per technical requirement and specifications as defined in Chapter- 3 of Tender Document	As per SOR , we understand that DWDM hardware to be supplied without spare , please confirm	Yes , No Spare proposed in tender
24	Chapter-3B	21	3B.1	RailTel desires to create 100G network between Ranchi - Barkakana, Barkakana - Parasnath, Parasnath - Garwa Road, Parasnath - Chandrapura, Chandrapura - Adra and Ranchi - Chandrapura. The required network would be Dense Wave Division Multiplexing (DWDM) based system. The system must be highly intelligent, with very basic, robust and simple architecture. The details of functionality required are given in following clauses of this chapter	We understand that Bidder/OEM can take leverage of existing/deployed 10G & 100G DWDM Hardware & Management system, Please confirm	No leverage of existing/deployed 10G & 100G DWDM Hardware & Management system
	Chapter -3A	16	3.A.1.4.22	Optical Amplifier (Booster amplifier/Pre-amplifier/LA) characteristic. d. The Optical amplifiers have to work on 80@ 50GHz or 40 @ 100GHz channels from day one.	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 100G/200G from day one.	No change is proposed
	CHAPTER- 8A	116	8.A.1.3.2.1	100G Transponder shall support 100GbE & OTU4 client rates with the same pluggable/fixed module.	As per Traffic matrix mentioned under clause 3.A.1.2.1.A, 10X10G Muxponder is required only. Please confirm whether 100G transponder required or not? If yes kindly share the traffic matrix of 100G too.	Only 10X10G Muxponder is required
	CHAPTER- 8A	121	8.A.4.7	DWDM Colored 10G SFP+ 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) is 80 Km (40dB loss) here means unamplified application? If yes, the it is not possible to drive the signal to 40dB without amplification.	This is not the part of SOR

Terms
As per clause

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