Amendment No. 1 dated 23/11/2026 to the Bidding Documents of Package-C1: DWDM Equipment Package under 'Augmentation of Telecom Backbone Network and associated infrastructure Project'; Spec. No. CC/NT/W-TELE/DOM/A01/26/12493				
S.No.	**Section**	**Clause Ref. No.**	**Existing Provision**	**Amended as**
1	Vol-II Technical Specification_Package-C1	6.15.iv	Backbone: Maximum permissible size Equipment shall fit in ETSI Rack 2200mm (Height) x 600mm (Width) x 600mm (Depth)	**Backbone: Maximum permissible size** Equipment at ROADM, ADD/DROP/ Equalization shall fit in ETSI Rack 2200mm (Height) x 600mm (Width) x 800mm (Depth). Equipment at ILA sites shall fit in ETSI Rack 2200mm (Height) x 600mm (Width) x 600mm (Depth)
2	Vol-II Technical Specification_Package-C1	6.17.v	System shall support Integrated ASE (Amplified Spontaneous Emission) for smooth channel addition with predictable performance from day 1 for both C-Band and L-Band.	System shall support Integrated ASE (Amplified Spontaneous Emission) for smooth channel addition with predictable performance from day 1 for both C-Band and L-Band. Alternatively, bidders can also offer Software-based power control solution available from Day 1 to facilitate the hitless addition and deletion of channels, ensuring uninterrupted network operation.
3	Vol-II Technical Specification_Package-C1	6.20.	The Colorless Channel Mux/ Demux configuration shall support dropping of same channel from minimum 8 directions and provision of dropping of minimum 24 channels.	colourless directionless contentionless shall be based on MxN WSS(wavelength selective switching) technology. ii. The Colorless Channel Mux/ Demux configuration shall support dropping of same channel from minimum 8 directions and shall be provisioned for channel dropping at the required nodes in accordance with the traffic matrix. However, The bidder shall offer a single module type for both the Backbone and Metro networks. Offering multiple module configurations/types for these networks shall not be permitted. iii. A dual ADD/DROP structure shall be provided, with dedicated modules for the main and protection paths.
4	Table_C1_Route_Backbone Part 1	13-Schedule-1 BoQ (unpriced)	BackBone Network (for Details ref Appendix C (BoQ)_Table C1 and C2 for Backbone) Fiber Details - Distnace & Losses are not mentioned for the below Links, Please do provide the details - 1. Hyderabad-N'Sagar 2. Alipurdur-Birpara 3. ILA335-ILA578	Appendix-C_BoQ is revised.

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S.No.	**Section**	**Clause Ref. No.**	**Existing Provision**	**Amended as**
5	Vol-II Technical Specification_Package-C1	6.31	Traffic modules and Optical Protection Modules shall be in inserted same sub-rack and not in optical	Traffic Modules and Optical Protection Modules (OPMs) shall be inserted in same sub-rack. In case the same is not feasible, a separate sub-rack shall be provisioned for the OPMs. The OPMs shall not be inserted in optical subracks (ROADM, AMP, Mux/DEMUX).
6	Vol-II Technical Specification_Package-C1	6.8	The Transponder/ Muxponder (or coherent pluggable) shall be able to support flexible line rates i.e. line rates higher than the rates in offered solution. Example: Example: If the Transponder is configured @ 400G line rate in the solution, the same can also be configured @ 400G to 1200G with step value of 100G. Further, For example: A single port has a line rate of 400G. To enable this, four 100G licenses are required (4 × 100G). Thus: Port capacity: 400G License unit: 100G Licenses needed: 4 PowerTel can scale the line rate in increments of 100G by purchasing additional licenses. Using the per-100G license cost, the line rate can be extended to 500G, 600G, 700G, 800G, 900G, 1000G, 1100G, and 1200G.	If the Transponder is configured @ 400G line rate or higher in the solution, bidders need to specify the used baud rate for each line rate. The bidder must quote the license cost on a per-100G basis for line rate configuration. Also bidder must specify the ultimate capacity of the each port on traffic module(maximum line rate) Example: If the Transponder port is configured @ 400G line rate in the solution. To enable this, four 100G licenses are required (4 × 100G). Thus: Port capacity: 400G License unit: 100G Licenses needed: 4 PowerTel can scale the line rate in increments of 100G by purchasing additional licenses if higher line rate is supported.
7	Vol-II Technical Specification_Package-C1	6.16 ix	Bidders are required to offer only higher-performance minimum 400G or higher line coherent modules and shall not allowed to use standard or low-power ZR/ZR+ variants, ensuring adequate reach,optical power, and interoperability.	Bidders are required to offer only higher-performance minimum 400G line rate pluggable having ~~or higher line coherent modules~~ transmit power of ≥ 0dB to ~~and shall not allowed to use standard or low-power ZR/ZR+ variants,~~ ensuring adequate reach, optical power, and interoperability.
8	Vol-II Technical Specification_Package-C1	6.17 iv	The platform must support Wavelength switched optical network control plan (distributed) based on ITU-T recommendation G.8080 switching.	The platform shall support a distributed WSON control plane in accordance with ITU-T Recommendation G.8080. Alternatively, bidders may propose centralized control plane meeting the technical requirement mentioned in tender documents.
			a) Penalty for delay in Advance Replacement	a) Penalty for delay in Advance Replacement

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S.No.	**Section**	**Clause Ref. No.**	**Existing Provision**	**Amended as**
9	Vol-II Technical Specification_Package-C1	17.5(b)	i. Penalty shall be levied for each of the incident of delay in delivery of advance replacement. Any delay beyond the stipulated time as mentioned in clause 17(3) shall attract a penalty of Rs. 5000/- @ per hour for up to 4 hours and Rs. 10000/- @ per hour from the 5th hour, subject to maximum penalty of Rs. 500,000/- per incident per month.	i. Penalty shall be levied for each of the incident of delay in delivery of advance replacement. Any delay beyond the stipulated time as mentioned in clause 17(3) shall attract a penalty of Rs. 5000/- @ per hour for up to 4 hours and Rs. 10000/- @ per hour from the 5th hour, subject to maximum penalty of Rs. 500,000/- per incident per month.
			b) Penalty for Failure of Equipment/ Modules etc.	b) Penalty for Failure of Equipment/ Modules etc.
			i. In case the Annual Failure Rate of Equipment (for which advance replacement asked by PowerTel) falls short of stipulated criteria, penalty shall be levied on the Contractor as per following:	i. In case the Annual Failure Rate of Equipment (for which advance replacement asked by PowerTel) falls short of stipulated criteria, penalty shall be levied on the Contractor as per following:
			Annual Failure Rate (%) Penalty	Annual Failure Rate (%) Penalty
			< 1% ---- No Penalty	≤ 1% ---- No Penalty
			< 2% & >1% ----10% penalty of AMC cost of Lot	≤ 2% & >1% ----10% penalty of AMC cost of Lot
			< 3% & >2% ----15% penalty of AMC cost of Lot	≤ 3% & >2% ----15% penalty of AMC cost of Lot
			< 4% & >3% ----20% penalty of AMC cost of Lot	≤ 4% & >3% ----20% penalty of AMC cost of Lot
			< 5% & >4% ----25% penalty of AMC cost of Lot	≤ 5% & >4% ----25% penalty of AMC cost of Lot
			> 5% ----50% penalty of AMC cost of Lot	≤ 5% ----50% penalty of AMC cost of Lot
			Note: Annual failure rate will be calculated in the last quarter (for complete Year) as above. After ToC of all Lots, the Annual Failure Rate will be calculated considering all the Equipment together, instead of Lot wise.	Note: Annual failure rate will be calculated in the last quarter (for complete Year) as above. After ToC of all Lots, the Annual Failure Rate will be calculated considering all the Equipment together, instead of Lot wise.
10	Vol-II Technical Specification_Package-C1	19.2 (v)	Dynamic Range : a) ≥46dB at 1310nm b) ≥45 dB at 1550nm	Dynamic Range : a) ≥45dB at 1310nm b) ≥45 dB at 1550nm
				20. Technical Solution & Design requirements
				a. The bidder shall provide a comprehensive and itemized Bill of Quantities (BoQ) covering all proposed equipment and materials, including WSS, transponders, amplifiers, optical power monitoring systems, racks, power cables, accessories, etc. and any other components necessary for the proposed solution, for evaluation purposes.

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S.No.	**Section**	**Clause Ref. No.**	**Existing Provision**	**Amended as**
11	Vol-II Technical Specification_Package-C1	20	….....	b. Bidder shall submit the following details: 1)Line rate, baud rate, spectrum utilization, and design consideration for each network section to ensure achievement of the ultimate capacities specified for the backbone and metro networks 2)Optical power budget calculations for each network element, including the Optical Terminal Section (OTS) and Optical Multiplexer Section (OMS). 3)End-of-life (EoL) OSNR values demonstrating support for the ultimate network capacities of 32 Tbps in the backbone network and 38 Tbps in the metro network. 4)OSNR values from transponder-to-transponder and transponder-to-regenerator links across the complete network. 5)The bidder shall furnish site-wise power and rack space requirements, including detailed information on the power consumption, heat dissipation, and rack space utilization.
12	Vol-III, First Stage, 13-Schedule-1 BoQ (unpriced)	In view of above, the existing file "13-Schedule-1 BoQ (unpriced)" stands replaced with **"13-Schedule-1 BoQ (unpriced)_Rev01"** and is attached herewith this Amendment. Note: Bidders are requested to consider the revised excel file **"13-Schedule-1 BoQ (unpriced)_Rev01"** for bid preparation/submission.		
13	Vol-I, Section-VI - Sample Forms and Procedure, Form No. 22	The existing format of JDU at Form No. 22 at Section-VI, Volume-I of the Bidding Documents stands replaced with **"Form No. 22_Rev01"** and is attached herewith this Amendment. Note: Bidders are requested to consider the revised format **"Form No. 22_Rev01"** for bid preparation/submission.		