

February 25, 2021

## CORRIGENDUM No 1

**Subject: NIT for Supply, Installation & Commissioning Of Campus Wide Wired And Wireless Local Area Network For IIM Bodh Gaya**

**NIT Ref. NO: IIMBG/NIT/2020-21/ Campus LAN/18 dated 12/02/2021**

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With reference to our **NIT Ref. NO: IIMBG/NIT/2020-21/Campus LAN/18** dated 12/02/2021 for **NIT for for Supply, Installation & Commissioning Of Campus Wide Wired And Wireless Local Area Network For IIM Bodh Gaya**. Based on the queries received from various vendors, a corrigendum is hereby issued for additions/deletions/modifications in the conditions and specifications in the following sections/annexures of tender no: IIMBG/NIT/2020-21/ Campus LAN/18 ; Date: 12 February 2021, as tabulated below:

S. No.	Section of NIT & Page Number(s)	Content of NIT requiring Clarification(s)	Bidders Remarks	IIMBG Remarks / Additions /Modifications
1	8. Evaluation Criteria at Page number 11 Bidder Company Registration.	The Company should be registered under Companies Act, 1956 since last Ten years.	We would request you to amend the same as :-  The Company should be registered under Companies Act since last Five years.	Bidder contention not agreed to. Please follow RFP.

2	8. Evaluation Criteria at Page number 11 Incorporation Certificate	Bidder should have experience of at least 10 years (as on end date of tender) in the field of Information Technology business /LAN, MAN, W AN.	Bidders should be asked to submit order copies against the proof of this.	"Valid copy of certificate of incorporation and registration certificate. <b>Bidders should also submit order copies against the proof of this. [Additional]</b>
3	Page 10, 7. Earnest Money Deposit (EMD) Details	1. EMD of Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand only) to be deposited through online mode only (RTGS/NEFT).	Request you to add offline mode of EMD Submission in the shape of Bank Guarantee.	Bidder contention not agreed to. Please follow RFP.
4	17. Technical Specifications: Item no. 10: 12 Fiber Singlemode Cable, Pg 36	Cable Type: 12 fiber Single Mode, Armored, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS2; AS/ACIF S008; AS/NZS 3080, ITU-T REC G 652D, IEC 60793/60794, TIA 568, EIA 455; suitable for use in direct burial, outdoor ducts and backbone cabling.	Since the cable is specified to suite the outdoor applications as well, does it need to comply to the Telcordia GR-20 specifications for OSP cable construction. Please confirm. In case the cable is to be used in indoor/outdoor installations, then we request of consider Fire protected LSFRZH jacket, instead of HDPE.	Cable Type: 12 fiber Single Mode, Armored, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS2; AS/ACIF S008; AS/NZS 3080, ITU-T REC G 652D, IEC 60793/60794, TIA 568, EIA 455; suitable for use in direct burial, outdoor ducts and backbone cabling. <b>"Telcordia G-20 should comply and HDPE/LSFRZH both will be allowed" [Additional]</b>
5	17. Technical Specifications: Item no. 10: 12 Fiber Singlemode Cable, Pg 36	Attenuation: @ 1310nm <=0.35 db/Km MAX, @1550nm <=0.22 db/Km MAX	Pease clarify if the Singlemode Fiber shall comply to CWDM requirements. If yes, then please consider the Loss values at water peak zone, i.e., @1380-1386nm <=0.31dB/Km	Bidder contention not agreed to. Please follow RFP.
6	17. Technical Specifications: Item no. 10: 12 Fiber	Cable weight Kg/Km: 80 Kg/Km	Please allow a suitable range for cable weigth as: 80 -100 Kg/Km	Cable weight Kg/Km: <b>minimum 80 Kg/Km [Modified]</b>

	Singlemode Cable, Pg 36			
7	17. Technical Specifications: Item no. 11: LC-LC Fiber Patch Cord, Pg 37	LC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron	Request you to consider: LC/UPC to LC/UPC Duplex Fiber Optic Patch Cord, 9/125 Micron G.657A1 Bend Insensitive Singlemode.	LC/ <b>UPC</b> to LC/ <b>UPC</b> Duplex Fiber Optic Patch Cord, 9/125 Micron <b>[Modified]</b>
8	17. Technical Specifications: Item no. 11: LC-LC Fiber Patch Cord, Pg 37		Request to consider at a minimum: UL listing for the patch cords.	Bidder contention not agreed to. Please follow RFP.
9	17. Technical Specifications: Item no. 12 : Minimum technical specifications for Fiber Optic Rackmount LIU, loaded with LC adapter plates, Splice Tray and LC Pigtails, Pg 38.	Configurable Fibre drawer is a 1U rack mount unit for storing and terminating incoming fibre cable. Using our vast range of 6 Pak Plates you can configure your fibre system to suit all fibre applications.	The specification and description of the LIU is different and contradictory. Fully loaded LIU as per description (in header and in BOQ) is recommended for all new installations. The given specs suggests that feature may have been copied from any product datasheet. Please clarify if this is some type error and we need to ignore this spec and supply fully loaded shelf, pre-installed with adapters, pigtails, cable management and splice trays, as per description.	<b>Supply of fully loaded shelf, pre-installed with adapters, pigtails, cable management and splice trays, as per description and the rest specification should be same</b> <b>[Modified]</b>

10	17. Technical Specifications: Item no. 13 : Minimum technical specifications for CAT6 UTP Cable, Pg 38	Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair Category 6 Cabling. The Cable should be tested by third party upto 700 MHz and report should be submitted along with bid.	The standard ANSI/TIA/EIA-568-B.2-1 is almost 15 years old. The latest standard is <b>ANSI/TIA 568.2-D</b> . Request to consider the latest standard for product specifications. Also Request to amend the <b>testing limit to 600Mhz</b> instead of 700Mhz.	Category 6 Unshielded Twisted Pair 4 pair cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair Category 6 Cabling. Revised parameters as " <b>The Cable should be tested by third party upto 600-700 MHz and report should be submitted along with bid.</b> " <b>[Modified]</b>
11	17. Technical Specifications: Item no. 13 : Minimum technical specifications for CAT6 UTP Cable, Pg 38	Jacket material should be FR-PVC	Request to consider <b>Jacket material of LSZH, compliant to IEC 60332-3-22, IEC 61034-2 and 60754-2.</b>	Jacket material should be FR-PVC/ <b>LSZH</b> <b>[Modified]</b>

12	17. Technical Specifications: Item no. 13 : Minimum technical specifications for CAT6 UTP Cable, Pg 39	Max. Temperature 75°C	Please amend this to <b>+60°C</b>	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted. Conductor Solid Copper Conductor Diameter 0.56±0.005mm (23 AWG) Insulator Polyolefin Outer Diameter 6.0±0.4mm <b>Max. Temperature +60°C or better</b>  <b>[Modified]</b>
13	17. Technical Specifications: Item no. 13 : Minimum technical specifications for CAT6 UTP Cable, Pg 39	Missing IEEE 802.3bt PoE compliance	Please confirm if the intended CAT6 cabling system need to <b>comply to the latest IEEE 802.3bt (Type 4) specifications</b> for efficient PoE transmission to AP's.	Bidder contention not agreed to. Please follow RFP.
14	17. Technical Specifications: Item no. 13 : Minimum technical specifications for CAT6 UTP Cable, Pg 39	Missing electrical properties & 3rd party certifications.	Please consider at a minimum: <b>Max DC resistance of Cable: &lt;7.61Ohm/100m;</b> <b>Cable must be ETL Verified to ANSI/TIA 568.2-D and ISO/IEC 11801 for CAT6.</b>	Bidder contention not agreed to. Please follow RFP.

15	17. Technical Specifications: Item no. 16 : Minimum technical specifications for 24 port CAT6 Patch Panel, Pg 39	19" 24-port, loaded with Jack, A key product used in both Category 6 link and channel gigabit ethernet applications. The IDC section consists of V-shaped contacts that flex not fatigue when terminated. Each port features spring-loaded shutter and can be colour coded to match jack outlets. Offering both front and rear labelling options, the patch panel is constructed of cold-rolled steel for additional strength and durability.	The language and features like 'spring-loaded shutters' are specific to single brand. Hence request you to consider generic specification for " <b>CAT6 UTP Modular Patch Panel compliant to ANSI/TIA 568-C.2 or latest, 24 port, 1U, with rear cable manager. Panel construction with Powder coated steel material.</b> "	<p><b><i>CAT6 UTP Modular Patch Panel compliant to ANSI/TIA 568-C.2 or latest, 24 port, 1U, with rear cable manager. Panel construction with Powder coated steel material.</i></b></p> <p><i>[Modified]</i></p>
16	17. Technical Specifications: Item no. 17 : Minimum technical specifications for CAT6 Information Outlet, Pg 40	Cat 6 Jack is designed to maintain clean secure connections. The RJ-45 jack features 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback – the spring-loaded shutter pops out an improperly seated patch cord—all with single-handed plug-in and removal.	Please consider generic performance based features as " <b>CAT6 UTP Modular Jack complaint to ANSI/TIA 568-C.2, UL listed, IEEE 802.3bt (Type 4) PoE compliant, shall have strain relief and bend limiting unit to protect termination contacts. Plug Retention force of min 85N. Must be certified for 4 connector channel performance upto 600Mhz.</b> "	<p><b><i>CAT6 UTP Modular Jack complaint to ANSI/TIA 568-C.2 or latest.</i></b></p> <p><i>[Modified]</i></p>

17	9. Terms & Conditions of Contract : 9.3 Special terms and Condition: Additional Condition: Page 14	Additional Terms and Condition added; rest of special terms and conditions will remain same.	-	<p><i>The quoted passive items (OFC and UTP components) should be from a single OEM for better compatibility.</i></p> <p><i>The quoted Active items (Network Switches and their module, Wireless controller, and Access Points) should be from a single OEM for better compatibility.</i></p>
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In view the above amendments, the schedule of this NIT has been revised and the Revised Schedule is as given below:-

**Revised Schedule:**

**Last date for submission of Bids - 10/03/2021 Up to 18:00 hrs**

**Date and time of opening of Technical Bid - 11/03/2021 12:00 hrs onwards.**

All other Terms and Conditions will remain unchanged.

**For any further clarifications, please contact the Tender Inviting Authority as given below.**

**Chief Administrative Officer**  
**Indian Institute of Management Bodh Gaya**  
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