



**Indian Institute of Management (IIM)
Lucknow**

**Request for Proposal
for
Network Infrastructure Upgrade
Project
(Corrigendum – 1)**

RFP Reference No: IIML/PUR/NETWORK/28/2021-22

Blank Page



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

1 Corrigendum

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
1.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 1	34	The Bidder should have been in operation for a period of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies. The company should have an office in India which is operational.	<p>The Bidder should have been in operation for a period of at least 3 years as of 31-03-2020.</p> <p>The following entities are allowed to participate in the bid process:</p> <ul style="list-style-type: none"> • Companies registered under Companies Act 2013 • Partnership firms registered under Limited Liability Partnerships (registered under LLP Act, 2008) • Partnership firms registered under Indian Partnership Act, 1932 <p>The company should have an office in India which is operational.</p> <p>Document to be provided:</p> <ul style="list-style-type: none"> • Certificate of Incorporation/Registration
2.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 2	34	The Bidder should have an annual turnover of not less than INR 30 Crores per annum during the last three financial years. This turnover should be on	The Bidder should have an average annual turnover during last three audited financial years of not less than INR 30 Crores.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				account of IT- infrastructure Projects, Hardware Commissioning and LAN Set Up.	
3.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 3	34-35	The Bidder should have minimum annual turnover in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business of Rs.15 Crores for each of the last 3 financial years.	The Bidder should have average annual turnover during last 3 audited financial years (in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business) of not less than Rs. 15 Crores.
4.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 7	35	The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation/ Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of Five years as on 31.03.2020. Work Orders confirming year and area of activity. Memorandum and Articles of Associations.	The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation /Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of three years as on 31.03.2020. Work Orders for each of the Years to be submitted along with area of activity. Memorandum and Articles of Associations. confirming year and area of activity.
5.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - 8	36	The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the	The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				<p>process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p>	<p>process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 12 Crore or • Two System Integration projects of minimum – INR 9 Crores each or • Three System Integration projects of minimum – INR 6 Crores each <p>Similar Project means setting up Campus area networking and IT infrastructure and related security (NGFW/ equivalent, SSO / monitoring system software (NMS/ WLC/ NAC) / O&M phase of Networking/ DC Project/ On premise Data Center/ DC system software.</p>
6.	RFP Volume II - Section 10.1	Technical Evaluation Criteria	36	For each section of the Technical Evaluation Matrix the bidder must score a minimum cut off marks of 60 % apart from scoring a minimum of 80 marks in aggregate.	The bidder must score a minimum of 80 marks in aggregate.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
7.	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (a)	36	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 marks	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 9 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 marks
8.	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (b)	36	Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more) i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks * Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.	Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 6 Cr or more) i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks * Note 1: Setting up of Campus (office/ Residence/ Campus) area networking and related security (NGFW/ equivalent/SSO) / monitoring system software (NMS, WLC, NAC) / O&M phase.
9.	RFP Volume II	Earnest Money Deposit		Earnest Money Deposit (EMD)	Refer Section 3 of this document.
10.	RFP Volume I – Section 10.3	Security Components – Lucknow Campus	44	Work Item: Appliance - Next Generation Firewall 8 Gbps combined throughput	Work Item: Appliance - Next Generation Firewall 10 Gbps combined throughput



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				with Application Security, Content inspection, Anti malware & URL filtering Unit: No Qty: 2	with Application Security, Content inspection, Anti malware & URL filtering Unit: No Qty: 2 Note: The above-mentioned change should also be considered in Line-Item no. 1.01 of "Security Components" sheet of the Financial Bid Template.
11.	RFP Volume I – Section 10.3	Security Components – Lucknow Campus	44	Work Item: Annual subscription component of NGFW 8 Gbps Unit: Subscription/ Year Qty: 2	Work Item: Annual subscription component of NGFW 10 Gbps Unit: Subscription/ Year Qty: 2 Note: The above-mentioned change should also be considered in Line-Item no. 1.02 of "Security Components" sheet of the Financial Bid Template.
12.	RFP Volume I – Section 10.5.1	UPS & Electrical Components – Lucknow Campus – Clause no. 7	46	Work Item: UPS Unit: 0.5 K Quantity: 1	Work Item: UPS Unit: 600 VA Quantity: 1



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
					Note: The above-mentioned change should also be considered in Line-Item no. 1.07 of “UPS & Electrical Components” sheet of the Financial Bid Template.
13.	RFP Volume I – Section 10.5.2	UPS & Electrical Components – Noida Campus – Clause no. 3	46	Electrical wiring to distribution points, Electrical switches, changeover <ul style="list-style-type: none"> UPS wiring of 40 KVA and 10 KVA shall be to Electrical distribution board. For Smaller sized UPS, power supply to be provided till access switches i.e. laying electrical cable till Access switch and putting it in conduit. 	Electrical wiring to distribution points, Electrical switches, changeover <ul style="list-style-type: none"> UPS wiring shall be to Electrical distribution board. Note: The above-mentioned change should also be considered in Line-Item no. 2.03 of “UPS & Electrical Components” sheet of the Financial Bid Template.
14.	RFP Volume I - Section 16.2.3	Link load Balancer	79	Link load Balancer	Section Deleted. Note: Line-Item no. 1.22 of “Active Components” sheet of the Financial Bid Template stands deleted. Bidders are requested to put ZERO in the corresponding columns.
15.	RFP Volume I - Section 16.3.1	General Specifications – Clause no. 10	88	The configuration proposed is expected to have adequate upgrade capability in terms of processors, memory, disk storage, etc. This should be achievable	The configuration proposed is expected to have adequate capability so that minimum disruptions is caused to processes and users. Any upgrade,



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				with minimum disruptions to processes and users. Any upgrade, expansion, supply of additional modules, servers or any other item required for successful installation and operations of the system shall be provided without any additional cost.	expansion, supply of additional modules, or any other item required for successful installation and operations of the system shall be provided without any additional cost.
16.	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow – Clause no. 1	89	The switch shall have capability to support Multi-rate 1G/10G/40G ports/slots should be enterprise class.	The switch shall have capability to support Multi-rate 10G/40G ports/slots should be enterprise class.
17.	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow – Clause no. 5	89	Switch should have stacking/VSS bandwidth of 40Gbps or more, shall be supplied with required module & cables.	Switch should have stacking/VSS/VSX bandwidth of 40Gbps or more, shall be supplied with required module & cables.
18.	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow - Clause no. 40	91	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
19.	RFP Volume I - Section 16.3.2.2	Core Switch Noida	92	Switch should have stacking/VSS bandwidth of 25Gbps or more, shall be supplied with required module & cables	Switch should have stacking/VSS/VSX bandwidth of 25Gbps or more, shall be supplied with required module & cables
20.	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause no. 40	94	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
21.	RFP Volume I - Section 16.3.2.3	Distribution Switch – Clause no. 1	95	The 24-port switch shall have capability to support Multi-rate 1G/10G/40G ports/slots and should be enterprise class.	The switch shall have capability to support Multi-rate 10G/40G ports/slots should be enterprise class.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
22.	RFP Volume I - Section 16.3.2.3	Distribution Switch – Clause no. 5	95	Switch should have stacking/VSS bandwidth of 40Gbps or more, shall be supplied with required module & cables	Switch should have stacking/VSS/VSX bandwidth of 40Gbps or more, shall be supplied with required module & cables
23.	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 40	97	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
24.	RFP Volume I - Section 16.3.2.4	Access Switch - 48 Port - Clause no. 14	99	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
25.	RFP Volume I - Section 16.3.2.5	Access Switch - 48 Port PoE+ - Clause no. 13	100	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
26.	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause no. 13	101	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
27.	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port - Clause no. 13	103	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
28.	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE - Clause no. 13	104	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
29.	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 12	105	The switch should be IPv6 ready logo certified from day 1	The switch should be IPv6 ready from day 1.
30.	RFP Volume I - Section 16.3.2.10	GPON	107	GPON in Section Heading & Specifications table	GePON in place GPON, wherever mentioned in heading/specifications table.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
31.	RFP Volume I - Section 16.3.2.10	GPON	107	Us-traffic profile: 2K	Us-traffic profile: 1K
32.	RFP Volume I - Section 16.3.2.10	GPON	107	SVI: 500	Deleted.
33.	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	The proposed NAC solution when deployed without an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.	The proposed NAC solution when deployed with/without an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.
34.	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	The proposed NAC solution must be able to remotely install agents to corporate hosts without end-user interaction	The proposed NAC solution must be able to remotely install agents to corporate hosts.
35.	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregate Throughput 5Gbps - Clause no. 24	121	Must support 802.3af power source when required.	Must support 802.3af/at power source when required.
36.	RFP Volume I - Section 16.3.2.14	Indoor AP - Aggregate Throughput 2Gbps	122	Access point should have 2x10/100/1000 Ethernet and serial/console port	Access point should have 1x10/100/1000 Ethernet and serial/console port



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
37.	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Throughput 1.2 Gbps 2X2/ Higher - Clause 7	124	Aggregate throughput of 1.3 Gbps	Aggregate throughput of minimum 1.2 Gbps
38.	RFP Volume I - Section 16.3.2.16	Indoor AP Throughput 450 Mbps	126	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams
39.	RFP Volume I - Section 16.3.2.16	Indoor AP Throughput 450 Mbps, Clause 2	128	Access Point must provide Kensington lock option for theft protection.	Access Point must provide Kensington lock/ equivalent option for theft protection.
40.	RFP Volume I - Section 16.3.2.16	Indoor AP Throughput 450 Mbps, Clause 7	128	Access point must have an additional USB port for future use.	Deleted
41.	RFP Volume I - Section 16.3.2.16	Indoor AP Throughput 450 Mbps, Clause 9	128	Must have at least 3 dBi Antenna gain on both 2.4 Ghz and 5Ghz	Must have at least 2 dBi Antenna gain on both 2.4 Ghz and 5Ghz
42.	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause 3	129	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Must support minimum of 18dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.
43.	RFP Volume I - Section 16.3.2.17	Home AP 300Mbps - Clause no. 6	129	Must have -97 dB or better Receiver Sensitivity.	Must have -91 dB or better Receiver Sensitivity.
44.	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh/Repeater - Clause 3	130	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Must support minimum of 17dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
45.	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh/Repeater - Clause 6	131	Must have -97 dB or better Receiver Sensitivity.	Must have -91 dB or better Receiver Sensitivity.
46.	RFP Volume I - Section 16.3.2.19	Network Monitoring Solution	132	NMS should support software-based automation capability and it should support multiple application to solve business problems.	Deleted.
47.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 1	135	All Passive components (Copper and Fibre) must be from the same OEM.	All networking Passive components must be from the same OEM.
48.	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 21	137	No of Cores 12 cores	OFC Single-Mode (SM) 9/125 μ m OS2 Armoured Multi-Tube (Cores as per BoM)
49.	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 27	139	Outer Jacket - UV Stabilized High density polyethylene (HDPE) LSZH.	Outer Jacket UV Stabilized High density polyethylene (HDPE)
50.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type-Clause no. 30	140	Operating Temp. -10°C to 75°C	Operating Temp. -10°C to 60°C



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
51.	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 33	141	Cat 6 Unshielded RJ45 Connectors Standard Acrylic unshielded RJ45 connector	Cat 6A Unshielded RJ45 Connectors (As per approved make)
52.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps	144	Specifications of Next Generation Firewall 8 Gbps	Specifications of Next Generation Firewall 10 Gbps
53.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 4	144	The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet.	Deleted.
54.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 5	144	Should support 8 Gbps cumulative throughput including all components of NGFW (FW, AVC, A. virus/A. malware, spyware, IPS) real-world / production performance	Should support 10 Gbps cumulative throughput including all components of NGFW (FW, AVC, A. virus/A. malware, spyware, IPS) real-world / production performance
55.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 9	145	Firewall should have integrated redundant hot-swappable fan tray / modules	Firewall should have integrated redundant hot-swappable or fan tray / modules
56.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 3	153	<ul style="list-style-type: none"> • Throughput: 5 Gbps • HTTP Request Per Second: 600K • Maximum L4 concurrent connections: 14M • Compression Throughput: 1Gbps 	<ul style="list-style-type: none"> • Throughput: 5 Gbps • HTTP Request Per Second: 600K • Maximum L4 concurrent connections: 14M • Compression Throughput: 1Gbps



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				<ul style="list-style-type: none"> • SSL/TLS TPS: 3K with RSA 2K and 2K with ECC, FIPS complied • SSL/TLS Bulk Encryption: 1Gbps • Memory: 8 GB 	<ul style="list-style-type: none"> • SSL/TLS TPS: 3K with RSA 2K and 2K with ECC complied • SSL/TLS Bulk Encryption: 1Gbps • Memory: 8 GB
57.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 5	154	The solution must be able to handle OWASP Top 10 attacks and Application Layer Encryption	The solution must be able to handle OWASP Top 10 attacks
58.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 9	154	The proposed WAF must have Application layer encryption to support the encryption of credentials on real time to ensure the protection from credential based attack.	Clause deleted.
59.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 11	154	Application Layer Encryption service which allows Application security solution to protect credentials and sensitive fields from compromise at the client/browser level.	Clause deleted.
60.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 17	155	Application Layer Encryption	Clause deleted.
61.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 22	157	Offered solution hardware or operating system should be EAL or NDPP (Network Device Protection Profile) certified under Common Criteria Program for security related functions.	Offered solution hardware or operating system should be EAL or NDPP (Network Device Protection Profile) certified under Common Criteria Program for



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
					security related functions OR PCI Compliance.
62.	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 46	163	Administrator must be able to generate all type of reports in pdf, csv and excel format.	Administrator must be able to generate all type of reports in pdf, csv, Json / excel format.
63.	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 46	163	Administrator must be able to generate all type of reports in pdf, csv and excel format.	Administrator must be able to generate all type of reports in pdf, csv, Json / excel format.
64.	RFP Volume I - Section 16.3.8	UPS & Electrical Components	164	-- Addition --	Refer Section 4.1 of this corrigendum for Technical Specifications & Compliance Sheet of UPS & Electrical Components (5 KVA, 3 KVA, 2 KVA, 1 KVA, 600 VA)
65.	RFP Volume I - Section 16.3.8	UPS & Electrical Items	166	27001 & 6 Standard	Deleted.
66.	RFP Volume I	-	-	-- Addition --	Refer Section 5 of this corrigendum for list of existing WAP details.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

2 Revised Tender Schedule

S. No.	Activities	Date & Time for Completion
1.	Bid Submission End Date	Thursday, 18-03-2021 05:00 PM

3 Earnest Money Deposit

Corrigendum on EMP exemption:

- The requirement of furnishing documents during the Pre-qualification Bid by the bidders (as indicated in RFP Volume II document) is hereby revised to include the Bid Security Declaration (as per the revised **Annexure II** enclosed herewith as Annexure) in lieu of the earlier requirement of submitting Earnest Money Deposit (EMD) of Rs. 30 Lacs.
- Under the subject RFP, wherever the term referred as “Earnest Money Deposit (EMD)” shall henceforth denotes “Bid Security Declaration as per revised **Annexure II** (enclosed herewith)” for all kind of understanding without changing the essence of the relevant RFP clauses.
- Consequently, under Section 4 (Fact Sheet), the description details given against the S. No. 4 “Earnest Money Deposit” to be read as “Bid Security Declaration to be submitted by the bidders as per the revised Annexure II (enclosed herewith).
- Also, the under RFP Volume II - Section 6.8 “Earnest Money Deposit/EMD/ Bid Security” to be read as “Bid Security Declaration as per the revised Annexure II (enclosed herewith).
- Similarly, clauses related to forfeiture of EMD to be read as “Breach of Bid Security Declaration” wherever mentioned in RFP Volume II.
- Proposals without Bid Security Declaration in the prescribed format shall be summarily rejected” instead of existing.



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

4 Technical Specifications & Compliance Sheet

4.1 UPS & Electrical Components (5 KVA, 3 KVA, 2 KVA, 1 KVA, 600 VA)

S. No.	Specifications	Compliance (Yes/No)
	UPS Rating 5,3,2,1 KVA	
1.	Technology: Line online double conversion transformer less technology	
2.	Input voltage range 120 V to 300 V, load dependent.	
3.	Output, 230v +/-1%	
4.	Battery minimum (must provide 30-minute backup): 3 x 9 AH for 1 KVA, 2 KVA and 3 KVA I. 8 x7 AH for 5 KVA	
5.	Static bypass inbuilt	
6.	All online ups, to be redundant, (which is one no of UPS means 2 ups is connected, one in standby)	
7.	Every UPS output to be given along with STS switch, so that if one UPS fail, it should switch to other UPS.	



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

S. No.	Specifications	Compliance (Yes/No)
8.	BiS in name of OEM India factory,	
9.	CE, RoHs, from India factory, Indian certification agency	
	UPS: 600 VA offline	
1.	Technology: offline	
2.	Input voltage range 150 V to 290 V	
3.	Output, 230v +/-1%	
4.	LED status display	
5.	Battery minimum (must provide 15-minute backup)	
6.	Alarm for low battery, overload continuous tone alarm	
7.	BiS in name of OEM India factory,	
8.	CE, RoHs, from India factory, Indian certification agency	



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

5 Details of Existing WAPs

S. No.	Campus	Speed	Model	No. of APs
1	Lucknow	450 MBPS	AIR-CAP27021-D-K9	121
2	Noida	450 MBPS	CISCO-AIR-1702I	3
			Total	124



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

6 Annexure

Annexure II -Bid Security Declaration Form

<on the Letterhead of the company>

To,

<Date>

The Chief Administrative Officer (CAO),
Indian Institute of Management Lucknow

Dear Sir,

I/We. The undersigned declare that: I/We understand that bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with IIML for a period of two years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity or its extended period, if any; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity:
 - (i) fail or reuse to execute the contract, if required, or
 - (ii) fail or refuse to furnish the Performance Bank Guarantee, in accordance with the Instructions to Bidders.
- c) If the bidder is found indulging in any corrupt, fraudulent or other malpractice in respect of the bid;

I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of

- (i) the receipt of your notification of the name of the successful Bidder; or
- (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)

in the capacity of (insert legal capacity of person signing the Bid Security Declaration)

Name: (insert complete name of person signing the Bid Security Declaration)



Corrigendum - 1
Request for Proposal for
IIML Network Infrastructure Upgrade Project

Duly authorized to sign the bid for an on behalf of
(insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

__*__*__*__

End of Corrigendum 1



Indian Institute of Management (IIM) Lucknow

Request for Proposal Network Infrastructure Upgrade Project

(Response to Pre-Bid Queries)

RFP Reference No: IIML/PUR/NETWORK/28/2021-22

Blank Page



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
1.	Orbit	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (a)	36	Experience in implementing as System Integrator for e-Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 marks	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU /public listed/ Autonomous bodies in minimum last 5 years (Value of one project - Rs 10 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 marks	Corrigendum	Refer Corrigendum 1.
2.	Orbit	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (b)	36	Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more) i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks * Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.	Experience in Setting Up Campus Network* in minimum last 5 years (Value of one project - Rs 4 Cr or more) i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks * Note 1: Setting up of Campus area networking and related security (Firewall/ equivalent/ SSO) & monitoring system software (NMS/ WLC/ NAC) and its O&M phase	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
3.	Orbit	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - 8	36	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p>	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in minimum last five years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 22 Crore or • Two System Integration projects of minimum – INR 14 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) OR monitoring system software (NMS/WLC/ NAC) and its O&M phase. (in any of the PO)</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
4.	Orbit	RFP Volume II - Section 17	Payment terms	46	Payment at M1 - 5%	Payment at M1 - 10% of C1+C2+C3+C4+C5+C6	Clarification	No Change
5.	Orbit	RFP Volume II - Section 17	Payment terms	46	Payment at M2 - 45%	Payment at M2 - 80% of C1+C2+C3+C4+C5+C6	Clarification	No Change
6.	Orbit	RFP Volume II - Section 17	Payment terms	46	Payment at M3 - 10% +100%of C7	Payment at M2 - 10% of C1+C2+C3+C4+C5+C6+100% of C7	Clarification	No Change
7.	Orbit	RFP Volume I - Section 16.3.1	General Specifications	88	The configuration proposed is expected to have adequate upgrade capability in terms of processors, memory, disk storage, etc. This should be achievable with minimum disruptions to processes and users. Any upgrade, expansion, supply of additional modules, servers or any other item required for successful installation and operations of the system shall be provided without any additional cost.	The proposed platform are modular in architecture and have sufficient memory, processors and storage (flash and RAM) to run the network successfully. Additional processors, memory and storage may not be required. Kindly remove the clause and change it as: Any upgrade, expansion, supply of additional modules, servers or any other item required for successful installation and operations of the system shall be provided without any additional cost.	Corrigendum	Refer Corrigendum 1.
8.	Orbit	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow	89	Switch should have stacking/VSS bandwidth of 40Gbps or more, shall be supplied with required module & cables.	Every OEM uses different technology to achieve active active/ HA mode. Request you to change the clause as Switch should have stacking/VSS/VSX or equivalent bandwidth of 40Gbps or more, shall be supplied with required module & cables	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
9.	Orbit	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow	91	The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication	802.1x and Mac Auth is used for end user authentication. At core/distribution such protocols will never get used. At core layer, device authentication would be required which are directly connected to the core switch like firewall, router etc. For such devices TACACS+/RADIUS is used. Kindly change the clause as :- The switch should support flexible & multiple authentication mechanism, including RADIUS and TACACS+ authentication	No Change	No Change
10.	Orbit	RFP Volume I - Section 16.3.2.2	Core Switch Noida	92	Switch should have stacking/VSS bandwidth of 25Gbps or more, shall be supplied with required module & cables	Every OEM uses different technology to achieve active active/ HA mode. Request you to change the clause as Switch should have stacking/VSS/VSX or equivalent bandwidth of 25Gbps or more, shall be supplied with required module & cables	Corrigendum	Refer Corrigendum 1.
11.	Orbit	RFP Volume I - Section 16.3.2.2	Core Switch Noida	92	Shall support In Service Software Upgrade (ISSU) to provide an upgrade of the entire platform or an individual task/process without impacting hardware forwarding. ISSU supports upgrades, downgrades, and rollbacks, when configured in HA mode.		Clarification	No Change
12.	Orbit	RFP Volume I - Section 16.3.2.2	Core Switch Noida	92	The Switch should support up to 64000 MAC Addresses	At core layer, that much of MAC address are not required. Kindly change it to 32K MAC address.	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
13.	Orbit	RFP Volume I - Section 16.3.2.3	Distribution Switch	95	Switch should have stacking/VSS bandwidth of 40Gbps or more, shall be supplied with required module & cables	Every OEM uses different technology to achieve active active/ HA mode. Request you to change the clause as Switch should have stacking/VSS/VSX or equivalent bandwidth of 40Gbps or more, shall be supplied with required module & cables	Corrigendum	Refer Corrigendum 1.
14.	Orbit	RFP Volume I - Section 16.3.2.3	Distribution Switch	97	The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication	802.1x and Mac Auth is used for end user authentication. At core/distribution such protocols will never get used. At core layer, device authentication would be required which are directly connected to the core switch like firewall, router etc. For such devices TACACS+/RADIUS is used. Kindly change the clause as :- The switch should support flexible & multiple authentication mechanism, including RADIUS and TACACS+ authentication	Clarification	No Change
15.	Orbit	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	12 M gig port out of 48 port is OEM specific specifications. Also considering the discussion, not all 12 M gig ports will be utilized to connect Wi-Fi 6 APs. Request you to change it to Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 8 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
16.	Orbit	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig	105	Switch should have minimum 24 nos. 1G copper full POE+ ports with min. 8 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	8 Mgif port out of 24 port is OEM specific specifications. Request you to change it to Switch should have minimum 24 Mgif ports up to 5G with additional 2x10G SFP+ uplink ports	Clarification	No Change
17.	Orbit	RFP Volume I - Section 16.3.2.14	Indoor AP - Aggregate Throughput 2Gbps	122	Must support 4X4 multiple-input multiple-output (MIMO) with three/four spatial streams	Need clarity if 4x4 MIMO is required at both the bands.	Clarification	Yes
18.	Orbit	RFP Volume I - Section 16.3.2.14	Indoor AP - Aggregate Throughput 2Gbps	122	Access point should have 2x10/100/1000 Ethernet and serial/console port	Two interfaces at AP will never get in used. Kindly change it to Access point should have 1x10/100/1000 Ethernet and serial/console port	Corrigendum	Refer Corrigendum 1.
19.	Orbit	RFP Volume I - Section 16.3.2.14	Indoor AP - Aggregate Throughput 2Gbps	122	Must have -94 dB or better Receiver Sensitivity.	Since in indoor Wifi 6 AP, the receiver sensitivity is asked -95 dBm. Kindly change the same here as well to -95 dBm	Clarification	No Change
20.	Orbit	RFP Volume I - Section 16.3.2.15	Outdoor AP - Aggregate Throughput - 1.3 Gbps	124	Aggregate throughput of 1.3 Gbps	As per the standard calculations, at 2x2 MIMO the max aggregated throughput can be achieved 1.2 Gbps. Kindly change the clause as : Aggregate throughput of 1.2 Gbps	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			2x2/ Higher					
21.	Orbit	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps	126	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	As per industry standard 2x2 MIMO comes with 2 streams. It is never be 2x2 with 3 streams. Also the asked throughput of 450 Mbps can be easily achieved at 2x2 MIMO with 2 special streams at both the bands. Kindly change the clause as :- Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams	Corrigendum	Refer Corrigendum 1.
22.	Orbit	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps	127	Must have -90 dB or better Receiver Sensitivity.	Each radio frequency do have different receiving sensitivity like 11g have -93 and 11b do have -90 dBm. Also considering other APs where in asked fo -95 dBm, Kindly change the same here and change the clause as:- Must have -95 dB or better Receiver Sensitivity.	Clarification	No change
23.	Orbit	RFP Volume I - Section 16.3.2.19	Network Monitoring Solution	132	NMS should support software-based automation capability and it should support multiple application to solve business problems.	NMS is network management tool and is not automation tool. Kindly remove this clause.	Corrigendum	Deleted.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
24.	Arsenal	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 1	34	The Bidder should have been in operation for a period of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies. The company should have an office in India which is operational.	The Bidder should have been in operation for a period of at least 3 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies. The company should have an office in India which is operational.	Corrigendum	Refer Corrigendum 1.
25.	Arsenal	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 2	34	The Bidder should have an annual turnover of not less than INR 30 Crores per annum during the last three financial years. This turnover should be on account of IT- infrastructure Projects, Hardware Commissioning and LAN Set Up.	The Bidder should have an average turnover of not less than INR 30 Crores during the last three financial years. This turnover should be on account of IT- infrastructure Projects, Hardware Commissioning and LAN Set Up.	Corrigendum	Refer Corrigendum 1.
26.	Arsenal	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 3	34-35	The Bidder should have minimum annual turnover in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business of Rs.15 Crores for each of the last 3 financial years.	The Bidder should have an average turnover in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business of Rs.15 Crores for each of the last 3 financial years.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
27.	Arsenal	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 7	35	<p>The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation/ Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of Five years as on 31.03.2020.</p> <p>Work Orders confirming year and area of activity. Memorandum and Articles of Associations.</p>	<p>The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation /Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of three years as on 31.03.2020.</p> <p>Work Orders for each of the Years to be submitted along with area of activity. Memorandum and Articles of Associations. confirming year and area of activity.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
28.	Arsenal	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet Clause no. 8	35-36	<p>The Bidder should be an IT-solutions-provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p>	<p>Please add & modify the clause as below for Start-up's & MSME Bidders</p> <p>The Bidder should be an IT-solutions-provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 10 Crore or • Two System Integration projects of minimum – INR 8 Crores each or • Three System Integration projects of minimum – INR 4 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase Or Supply, Installation and Commissioning / Annual Maintenance Contract of Data Centre Active Equipment / Switches / Wi-Fi Equipment / Data Centre Switches/ Servers/ Storages in Government / PSU.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
29.	Arsenal	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (a)	36	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks	Please add & modify the clause as below for Start-up's & MSME Bidders Experience in implementing as S/system Integrator for e- Governance Projects / IT Infra / Support Projects directly or through MSP in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 5 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
30.	Arsenal	RFP Volume II - Section 10.1	Technical Evaluation Criteria. Point No. S.1(b)		<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more)</p> <p>i. One Project - 2 Marks</p> <p>ii. Two Projects - 5 Marks</p> <p>iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p> <p>* Note 2: Campus includes setting up of Office, Residential and / or Educational campuses</p>	<p>Please add & modify the clause as below for Start-up's & MSME Bidders</p> <p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 5 Cr or more)</p> <p>i. One Project - 2 Marks</p> <p>ii. Two Projects - 5 Marks</p> <p>iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p> <p>Supply, Installation and Commissioning / Annual Maintenance Contract of Data Centre Active Equipment / Switches / Wi-Fi Equipment / Data Centre Switches/ Servers/ Storages in Government / PSU.</p> <p>* Note 2: Campus includes setting up of Office, Residential and / or Educational campuses</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
31.	Arsenal	RFP Volume II - Section 16.6	Performance Bank Guarantee, Page no. 46 / Point no. 1	46	Performance Bank Guarantee will be 10% of Total Commercial Quote (Total Order Value) of the successful Bidder.	Performance Bank Guarantee will be 3% of Total Commercial Quote (Total Order Value) of the successful Bidder. Remarks: We are attaching herewith Govt. of India notification dated 12th November 2020 wherein Govt. has decided to reduce Performance Security from existing 5-10% to 3% of the value of the contract.	Clarification	No change
32.	Arsenal	RFP Volume II - Section 10.1	Performance Bank Guarantee, Page no. 46 / Point no. 1	46	Performance Bank Guarantee will be 10% of Total Commercial Quote (Total Order Value) of the successful Bidder.	Performance Bank Guarantee should be charged against the payment made to the System Integrator against supply, installation and commissioning. Payment against Opex should not be brought under PBG purview as the payment under opex would be paid in arrears spread over the duration of the contract.	No change	No change
33.	Arsenal	RFP Volume I - Section 16.3.2.5	Access Switch – 48 Port PoE+, Clause 1	101	Switch should have minimum 48 nos. 10/100/1000 Base-T ports POE+ with additional 2 nos. SFP+ SM uplink ports	Requesting you to please specify the required POE Power budget day-1 For a 48 Port switch - default PoE Power budget is 740W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.	Clarification	Based on the planned deployment, PoE budget of switch can be >=360W.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
34.	Arsenal	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig, Clause 1	103	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	<p>Requesting you to please specify the required POE Power budget day-1</p> <p>For a 48 Port switch - default PoE Power budget is 740W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.</p>	Clarification	Based on the planned deployment, PoE budget of switch can be >=360W.
35.	Arsenal	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig	103	The Stacking Clause has been missed from the 48 Port POE+ mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port.</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity. Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
36.	Arsenal	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port	104	The Stacking Clause has been missed from the 24 Port switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port.</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity. Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
37.	Arsenal	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE+	105	The Stacking Clause has been missed from the 24 Port POE+ switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port.</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity.</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	No Change
38.	Arsenal	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig	107	Switch should have minimum 24 nos. 1G copper full POE+ ports with min. 8 mGig ports up to 5G with additional 2x10G SFP+ uplink ports	<p>Requesting you to please specify the required POE Power budget day-1</p> <p>For a 24 Port switch - default PoE Power budget is 370W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 24 ports day-1 i.e. 30x24 = 720W, please specify accordingly.</p>	Clarification	Based on the planned deployment, PoE budget of switch can be >=300W.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
39.	Arsenal	RFP Volume I - Section 16.3.2.9	Access Switch - 24 Port PoE+ mGig	107	The Stacking Clause has been missed from the POE+ mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port.</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity.</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	No Change
40.	Arsenal	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	Provide an easy-to-use BYOD ready granular secure access control solution that is context aware, identity enabled, location and device based. The proposed solution must combine Authentication, Authorization, and Accounting (AAA); Posture; Profiling; and Guest Access management services on to a single platform with a minimum endpoint footprint and supports the ability to be managed from a single management console.	<p>We understand the BoQ mentions the overall lic. count for NAC solution is 3500. Requesting you to please specify the lic. count bifurcation for AAA, Profiling, Guest Access Mgmt/BYOD and Posture respectively.</p> <p>Request you to please confirm the exact count for licenses for AAA, Profiling, Guest Access Mgmt, posture etc.</p>	Clarification	Posture validation for 100 desktops. AAA, Profiling, Guest Access Mgmt=3500



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
41.	Arsenal	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	The proposed NAC solution when deployed without an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.	<p>Requesting you to please amend the clause as "20. The proposed NAC solution when deployed with an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.</p> <p>The clause "without an agent" makes us non-compliant, please change this to "with an agent"</p>	Corrigendum	Refer Corrigendum 1.
42.	Arsenal	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	21. The proposed NAC solution must be able to remotely install agents to corporate hosts without end-user interaction	<p>Requesting you to please amend the clause as "21. The proposed NAC solution must be able to remotely install agents to corporate hosts with end-user permission"</p> <p>Any changes in the end-user device i.e. without end-user permission remotely installing agent on the host is not recommended, requesting you to kindly amend the clause.</p> <p>The existing clause - "without end-user interaction makes us non-compliant", please change this to "with end-user permission"</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
43.	Arsenal	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 2	128	Access Point must provide Kensington lock option for theft protection.	<p>Requesting you to please change the clause to "Access Point must provide Kensington lock / equivalent option for theft protection."</p> <p>This makes us non-compliant, please change it to "/equivalent"</p>	Corrigendum	Refer Corrigendum 1.
44.	Arsenal	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 7	128	Access point must have an additional USB port for future use.	<p>Requesting you to please remove this clause</p> <p>Not required, the AP has RJ45 management port for all required console login activities & troubleshooting.</p> <p>This makes us non-compliant, please delete this clause</p>	Corrigendum	Refer Corrigendum 1.
45.	Arsenal	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 9	128	Must have at least 3 dBi Antenna gain on both 2.4 Ghz and 5Ghz	<p>Requesting you to please change the clause to "Must have at least 2 dBi Antenna gain on 2.4 Ghz and 4dBi Antenna gain 5Ghz"</p> <p>The overall EIRP with the AP transmit power and antenna gain makes it 22dBm and 24dBm on 2.4& 5Ghz respectively, so there's no impact on the required performance. It is over and above the required power, requesting to you please amend the antenna gain for us to comply to the requirement</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
46.	Arsenal	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 10	128	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	<p>Requesting you to please change the clause to "Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams"</p> <p>You have asked for a 2x2 MIMO Access Point, none of the APs with 2x2MIMO comes with 3 or 4 Spatial Streams, requesting you to change this to 2 Spatial Streams.</p>	Clarification	Refer response given against the same query of other SI(s).
47.	Arsenal	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 1	159	1. Solution shall enable single sign on for: VPN connection, Gmail (on IIML domain), existing AD and Edu Roam login.	<p>Requesting you to please confirm whether 'VPN' & 'Edu Roam Login' solution supports SAML 2.0 authentication protocol.</p> <p>Also, is it safe to assume that 'SSO for existing AD' means the identities are stored in AD. Please confirm/elaborate.</p>	Clarification	SI must select VPN solution to cater to Project requirement. From Edu Roam website, SAML support couldn't be ascertained.
48.	Arsenal	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 2	159	2. Solution must support SSO for existing in-house/ COTS IIML applications.	Requesting you to please confirm whether existing in-house applications support SAML 2.0 authentication protocol, which is required to facilitate SSO behaviour.	Clarification	IIML shall do necessary software enhancement effort to bring in house/ COTS application to support SAML, wherever necessary.
49.	Arsenal	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 46	163	46. Administrator must be able to generate all type of reports in pdf, csv and excel format.	<p>Requesting you to please modify the point to "Administrator must be able to generate all type of reports in pdf, csv, Json or excel format."</p> <p>Most OEM solutions do not support all format of reporting.</p> <p>Most OEM solutions do not support all format of reporting, kindly amend the clause to comply to the requirement.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
50.	Arsenal	RFP Volume I - Section 16.3.6	Single Sign-On Solution	159	SSO solution for 2000 users	Requesting you to please clarify the bifurcation of 2000 users for Faculty / Staff & Students Our lic. is based on the type of user, please share the bifurcation so that we can size the licenses accordingly, (For Ex. 1500 Students and 500 Faculty/Staff members), this will help us provide you the right mix. Of licenses (as per actual requirement)	Clarification	Students = 1500, Faculty, staff, others =500



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
51.	JIL	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 8	33	<p>The Bidder should be an IT-provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p>	<p>Kindly increase the years 5 to 7 years for similar projects. Kindly decrease the project value to One System Integration project of minimum – INR 16 Crore or</p> <ul style="list-style-type: none"> • Two System Integration projects of minimum – INR 12 Crores each or • Three System Integration projects of minimum – INR 8 Crores each 	Clarification	Refer Corrigendum 1.
52.	JIL	NA	NA	NA	Structured Cabling OEM Criteria: Multiple areas in BOQ and tender	In BOQ and tender where so ever its mentioned Cat 6A UTP cable should be replaced by U/FTP as detailed specifications are of U/FTP (Shielded cable). Nomenclature of Shielded cable with individual pair shielding is U/FTP. Please corelate same with detailed specs.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
53.	JIL	RFP Volume I - Section 16.3.3	Passive Components - General Requirements - Clause no. 4	135	All CAT 6 A and Fibre cables must be LSZH	<p>Please exclude Fiber from this clause as in fiber cable specs its mentioned HDPE jacket moreover fiber is mostly to installed in outside and same should be HDPE</p> <p>Change to:</p> <p>Please change same to All cat 6A cables should be LSZH</p>	Clarification	No Change
54.	JIL	RFP Volume I - Section 16.3.3	Passive Components - Copper Cabling System - Clause no. 8	135	CAT6A Foiled Twisted Pair Cable – Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid).	<p>Please add ETL/3P certificate to be available on respective Lab website which make sure for continuous compliance and follow up program for this product and also proves authenticity of the certification</p> <p>Change to:</p> <p>CAT6A Foiled Twisted Pair Cable –Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid and same certificate should be available on respective lab website).</p>	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
55.	JIL	RFP Volume I - Section 16.3.3	Passive Components - CAT6A SHIELDED RJ45 JACK - Clause no. 10	135	Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2 and should be verified 3P/ETL/GHMT for the support of 10GBASE-Tperformance.	<p>Please add ETL/3P/GHMT certificate to be available on respective Lab website which make sure for continuous compliance and follow up program for this product and also proves authenticity of the certification</p> <p>Change to: Must be compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-C.2 and should be verified 3P/ETL/GHMT for the support of 10GBASE-Tperformance and same certificate should be available on respective lab website</p>	Clarification	No Change
56.	JIL	RFP Volume I - Section 16.3.3	Passive Components - CAT6A SHIELDED RJ45 JACK - Clause no. 17	136	The I/O should be UL Listed and ETL/3P / GHMT Verified	<p>Please add ETL/3P/GHMT certificate to be available on respective Lab website which make sure for continuous compliance and follow up program for this product and also proves authenticity of the certification</p> <p>Change to: The I/O should be UL Listed and ETL/3P / GHMT Verified and certificate to be available on respective lab website</p>	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
57.	JIL	RFP Volume I - Section 16.3.3	Passive Components - CAT 6A SHIELDED PATCH/MOUNTING CORDS (1 Mtr., 2 Mtr. and 3 Mtr.) - Clause no. 20	137	The work area equipment cords shall be comply with TIA/EIA-568-C.2 and Performance Specifications should be tested by ETL/3P in channel for 4 pair Category 6A Cabling	Please add ETL/3P certificate to be available on respective Lab website which make sure for continuous compliance and follow up program for this product and also proves authenticity of the certification Change to: The work area equipment cords shall be comply with TIA/EIA-568-C.2 and Performance Specifications should be tested by ETL/3P in channel for 4 pair Category 6A Cabling.(ETL/3P certificate to be enclosed along with the bid and same certificate should be available on respective lab website).	Clarification	No Change
58.	JIL	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 21	137	No of Cores 12 cores	Please change same to 48 Cores as in BOQ Fiber cable is 48 cores Change to: Please amend : No of Cores 12 cores	Corrigendum	Refer Corrigendum 1.
59.	JIL	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 27	139	Outer Jacket - UV Stabilized High density polyethylene (HDPE) LSZH.	Please delete LSZH as HDPE jacket cannot be LSZH (Low Smoke Zero halogen) Change to: Outer Jacket UV Stabilized High density polyethylene (HDPE)	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
60.	JIL	RFP Volume I - Section 16.3.3	Passive Components - OPTICAL FIBRE CABLING - Clause no. 33	141	Cat 6 Unshielded RJ45 Connectors Standard Acrylic unshielded RJ45 connector	Please Change same to Cat 6A Shielded Field termination Plug .UL listed . Change to: Because complete solution is on shielded U/FTP cable so with this cable Field termination plug is compatible that too should be cat 6A	Corrigendum	Refer Corrigendum 1.
61.	Inspira	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow, Page 89, Clause 2	89	The 24-port switch shall have 12 x 40 GE SFP/SFP+ SM populated slots from day 1 and also support/compatible port/slot speed.	40G is already end of life in Data Centre Request you to please change the clause as "The 24-port switch shall have 12 x 40/100 GE SFP/SFP+ SM populated slots from day 1 and also support/compatible port/slot speed."	Clarification	No Change
62.	Inspira	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow, Page 89, Clause 40	91	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Clarification	Refer Corrigendum 1.
63.	Inspira	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow, Page 89, Clause 41	91	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Equivalent of a specific shall be accepted such as EMC directive.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
64.	Inspira	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause 40	94	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Clarification	Refer Corrigendum 1.
65.	Inspira	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause 41	94	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Equivalent of a specific shall be accepted such as EMC directive.
66.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch- Clause 9	95	The Switch should have at least 4GB/ higher flash memory to work on full load	This is OEM Specific. Switch requires only 2GB for non-blocking full efficiency. Request you to please change the clause as " The Switch should have at least 2GB/ higher flash memory to work on full load"	Clarification	Refer response given against the same query of other SI(s).
67.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch- Clause 10	95	The Switch should have at least 4 GB/ higher DRAM required for optimum performance of Network to meet defined SLAs.	This Clause is OEM specific. Switch requires only 2GB for non-blocking full efficiency. Request you to please change the clause as " The Switch should have at least 2 GB/ higher DRAM required for optimum performance of Network to meet defined SLAs."	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
68.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch- Clause 16	96	The Switch should support 32K IPv4 routes	Higher routes are required in core and already asked for in core. Request to modify the clause as " The Switch should support 16K IPv4 routes"	Clarification	No Change
69.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch- Clause 40	97	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Clarification	Refer Corrigendum 1.
70.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch- Clause 41		Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Equivalent of a specific clause/ condition shall be accepted such as EMC directive.
71.	Inspira	RFP Volume I - Section 16.3.2.3	Access Switch - 48 Port - Clause 11	98	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).
72.	Inspira	RFP Volume I - Section 16.3.2.4	Access Switch - 48 Port - Clause 14	99	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Clarification	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
73.	Inspira	RFP Volume I - Section 16.3.2.5	Access Switch - 48 Port PoE+ - Clause 10	100	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).
74.	Inspira	RFP Volume I - Section 16.3.2.5	Access Switch - 48 Port PoE+ - Clause 13	100	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Clarification	Refer Corrigendum 1.
75.	Inspira	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause 1	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Multi-Gig in access is always 2.5G and no of uplink ports also needs to be higher to cater to multi-gig ports Request you to please change the clause as "Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 2.5G with additional 4x10G SFP+ uplink ports "	Clarification	No change since 5 Gbps WAPs also have been planned to be deployed.
76.	Inspira	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause 2	101	Should support AC/DC power supply	Redundant PSU is required as MultiGig ports always consume 40w+ power Request you to please modify the clause as " Should support Redundant AC/DC power supply"	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
77.	Inspira	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause 10	101	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Equivalent of a specific clause/ condition shall be accepted
78.	Inspira	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause 13	101	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
79.	Inspira	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port - Clause 10	102	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Equivalent of a specific clause/ condition shall be accepted
80.	Inspira	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port - Clause 13	103	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
81.	Inspira	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE - Clause no. 10	104	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Equivalent of a specific clause/ condition shall be accepted
82.	Inspira	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE - Clause 13	104	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
83.	Inspira	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause 1	108	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Multi-Gig in access is always 2.5G and no of uplink ports also needs to be higher to cater to multi-gig ports Request you to please change the clause as "Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 2.5G with additional 4x10G SFP+ uplink ports "	Clarification	No change
84.	Inspira	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause 2	105	Should support AC/DC power supply	Redundant PSU is required as MultiGig ports always consume 40w+ power Request you to please modify the clause as " Should support Redundant AC/DC power supply"	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
85.	Inspira	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause 9	105	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Equivalent of a specific clause/ condition shall be accepted
86.	Inspira	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause 12	105	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
87.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause 2	118	WLC should be dedicated appliance/Dedicated Virtual appliance with support up to 1500 Access points. Should be a single/multiple appliance in High Availability mode. Should have 2 nos. 10G ports.	1500 will be a limitation for expansion Request you to please modify the clauses as " WLC should be dedicated appliance/Dedicated Virtual appliance with support up to 4000 Access points. Should be a single/multiple appliance in High Availability mode. Should have 2 nos. 10G ports."	Clarification	No change
88.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause 7	118	WLC should support L2 and L3 roaming of IPv6 clients	We support IPv6 only on cloud controller as on today. Request you to please change the clause as " WLC should support L2 and L3 roaming with option for IPv6 in future roadmap"	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
89.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause 8	118	Should adhere to the strictest level of security standards, including 802.11i, WPA2, WPA, WEP, 802.1X with multiple Extensible Authentication Protocol (EAP) types, PEAP, EAP-TLS, EAP-TTLS	WPA3 is the latest security standard Request you to please modify this clause as "Should adhere to the strictest level of security standards, including 802.11i, WPA3, WPA2, WPA, WEP, 802.1X with multiple Extensible Authentication Protocol (EAP) types, PEAP, EAP-TLS, EAP-TTLS"	Clarification	No change
90.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Throughput 5Gbps - Clause 5	120	Should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	AP throughput is 3Gbps and input cannot be less than 3Gbps Request you to please modify clause as "Should have 1x 100, 1000, 2500 Multigigabit Ethernet and 1x 100, 1000 gigabit Ethernet (RJ-45) – IEEE 802.3bz"	Clarification	No change
91.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Throughput 5Gbps - Clause 9	120	Must support 4x4 MIMO or higher for both 5 Ghz and 2.4 GHz.	All latest clients use 5Ghz and 2.4 is only used for long range Request you to please change the clause as "Must support 4x4 MIMO or higher to cater to 3Gbps throughput"	Clarification	No change
92.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Throughput 5Gbps - Clause 10	120	Must Support data rate up to 4.8 Gbps.	5Gbps is not practically possible and OEM specific Request you to please change the clause as "Must Support data rate up to 3 Gbps."	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
93.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause 11	120	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	This is to ensure 5Ghz clients are served more efficiently Request you to please change the clauses as "Must support minimum of 21dbm of transmit power in 2.4Ghz and 24 dBm on 5Ghz radios. And should follow the local regulatory Norms."	Clarification	No change
94.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause 17	120	Access Points must support Hardware-based encryption for secure communication.	AES is standard for encryption Request you to please modify the clause as " Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Equivalent of a specific clause/ condition shall be accepted
95.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause 22	121	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.	Few vendors have different models for on-prem and cloud based controller Request you to please change the clause as "Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller. The same AP should also work with cloud controller without change in hardware and software"	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
96.	Inspira	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Through put 2Gbps - Clause 12	122	Must support minimum of 20dbm of transmit power on both 2.4 Ghz & 5GHz Radio.	This will ensure better client serving in coverage area Request to modify it as "Must support minimum of 18dbm of transmit power on both 2.4 Ghz & 5GHz Radio."	Clarification	No change
97.	Inspira	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Through put 2Gbps - Clause 17	122	Must have -94 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -96 dB or better Receiver Sensitivity."	Clarification	No change
98.	Inspira	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Through put 2Gbps - Clause 29	123	The APs must support centralized wireless mode with the use of a controller	Few vendors have different models for on-prem and cloud based controller Request you to please change the clause as "The APs must support centralized wireless mode with the use of a controller and cloud controller without change in hardware and software"	Clarification	No change
99.	Inspira	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/	124	Must have -95 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -96 dB or better Receiver Sensitivity."	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			Higher - Clause 4					
100.	Inspira	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/ Higher - Clause 7	124	Aggregate throughput of 1.3 Gbps	This clause is OEM specific. Request you to please change the clause as "Aggregate throughput of 1.2 Gbps"	Corrigendum	Refer Corrigendum 1.
101.	Inspira	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/ Higher - Clause 15	125	Access point should have 1 10/100/1000Gbps Port	The second can be used for uplink to CCTV as this is outdoor and separate cable is not required for both devices Request to please change It as "Access point should have 2 10/100/1000Gbps Port"	Clarification	No change
102.	Inspira	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/ Higher - Clause 21	125	The Access point shall support operating temperature of -20 to 55°C	Atmospheric temperature in constant 50deg air temperature should be considered as 70deg Request to change the clause as "The Access point shall support operating temperature of - 20 to 70°C"	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
103.	Inspira	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause 12	126	Must support minimum of 20dbm of transmit power on both 2.4 Ghz & 5GHz Radio.	This will ensure even servicing of clients Please change the clause as " Must support minimum of 17dbm of transmit power on 2.4 Ghz & 20 dbm on 5GHz Radio."	Clarification	No change
104.	Inspira	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause 17	127	Must have -90 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -91 dB or better Receiver Sensitivity."	Clarification	No change
105.	Inspira	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause 3	129	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	In room AP required only less coverage Request you to please change the clause as" Must support minimum of 18dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms."	Corrigendum	Refer Corrigendum 1.
106.	Inspira	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause 9	129	Access Points must support Hardware-based encryption for secure communication.	AES is standard Encryption Request you to please change the clause as" Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Equivalent of a specific clause/ condition shall be accepted



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
107.	Inspira	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause 3	130	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	This will ensure even servicing of clients Please change the clause as " Must support minimum of 17dbm of transmit power on 2.4 Ghz & 20 dbm on 5GHz Radio."	Corrigendum	Refer Corrigendum 1.
108.	Inspira	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause 6	131	Must have -97 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -91 dB or better Receiver Sensitivity."	Corrigendum	Refer Corrigendum 1.
109.	Inspira	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause 9	131	Access Points must support Hardware-based encryption for secure communication.	AES is standard Encryption Request you to please change the clause as" Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Equivalent of a specific clause/ condition shall be accepted
110.	Inspira	RFP Volume I	-	-	-	There is a mention of GEPON in several places. Request to modify to GPON.	Clarification	Refer response given against the same query of other SI(s).
111.	Inspira	RFP Volume I	-	-	-	EMS is not asked in the RFP for network management it is an important component, Please ask for the EMS and Provide specification for the same.	Clarification	Functionalities needed for Project have been included in NMS



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
112.	Inspira	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 7	106	ETSI EN 301 489-1 and ETSI EN 301 489-8	Please delete this clause as these standard is for Radio equipment and not for GPON equipment	Clarification	No change
113.	Inspira	RFP Volume I - Section 16.3.8	UPS & Electrical Items - Clause no. 3	165	Output Voltage	We understand that 40kVA Modular UPS output voltage in phase to phase is 400 Volt and Phase to Neutral it will be 230 Volt and each RYB phase will be delivered 13.3kVA	Clarification	As per RFP.
114.	Inspira		40kVA		Charging current(Standard) : 10Amps+/- 1 Apm	In the tender you have required 2 no's of 40kVA for server rack. We understand that this will be used in dual bus mode N+N configuration	Clarification	Charging current should cater to Power supply need of the IIML DC.
115.	Inspira	RFP Volume I - Section 16.3.8	UPS & Electrical Items	166	27001 & 6 Standard	It should be removed this is not relevant for the Standard & performance of the UPS. This is only for the date safety of the organization	Corrigendum	Refer Corrigendum 1.
116.	Inspira	RFP Volume I - Section 16.3.8	UPS & Electrical Items	166	ISO 50001 & 6 Standard Backup time not defined	It should be removed this is not relevant for the Standard& performance of the UPS.This is a single OEM specification	Clarification	30 Minute backup.
117.	Inspira	RFP Volume I - Section 16.3.2.1.	Core Switch Lucknow - Clause 1	89	The switch shall have capability to support Multi-rate 1G/10G/40G ports/slots should be enterprise class.	Pls. amend as "The switch shall have capability to support 10G/40G/100G ports/slots and should be enterprise class". As per IEEE Standard port classification 1G and 10G Transceivers does not insert directly in 40G Fiber Ports. To use 10G required 40G to 4x10G DAC splitter cable which also doesn't not support 1G. Kindly amend the same.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
118.	Inspira	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause 1	95	The 24-port switch shall have capability to support Multi-rate 1G/10G/40G ports/slots and should be enterprise class.	Pls. amend as "The 24-port switch shall have capability to support Multi-rate 1G/10G ports/slots and should be enterprise class." As per IEEE Standard port classification 1G and 10G Transceivers does not insert directly in 40G Fiber Ports. To use 10G required 40G to 4x10G DAC splitter cable which also doesn't not support 1G. Kindly amend the same.	Corrigendum	Refer Corrigendum 1.
119.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 13	119	Should provide a snapshot of air quality in terms of the performance and impact of interference on the wireless network identifying the problem areas.	Kindly remove this clause This is vendor specific clause, Kindly remove the same to wider participation.	Clarification	No change
120.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 14	119	Should provide an Air Quality rating on a per- radio basis to help gauge the impact of interference on the network	Kindly remove this clause This is vendor specific clause, Kindly remove the same to wider participation.	Clarification	No change
121.	Inspira	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 15	119	Should provide real-time charts showing interferers per access point, on a per-radio, per-channel basis.	Kindly remove this clause This is vendor specific clause, Kindly remove the same to wider participation.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
122.	Inspira	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregate Through put 5Gbps - Clause 11	120	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Kindly amend as "Must support minimum of 19dbm or more of transmit power in both 2.4Ghz and 5Ghz radios or as per WIPC regulatory. And should follow the local regulatory Norms". Every OEM chipset has different to broadcast the signal for Radio and Antenna and broadcast signal as per guidelines of WIPC. We follow WIPC guidelines to broadcast the signal as per Indoor criteria including radio and antenna gain. So kindly amend the same.	Clarification	No change
123.	Inspira	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause no. 6	129	Must have -97 dB or better Receiver Sensitivity.	Kindly amend "Must have -94 dB or better Receiver Sensitivity." Kindly amend the same for wider participation.	Clarification	Refer response given against the same query of other SI(s).
124.	Inspira	RFP Volume I - Section 16.3.2.18	Indoor AP / Mesh / Repeater - Clause 6	131	Must have -97 dB or better Receiver Sensitivity.	Kindly amend "Must have -94 dB or better Receiver Sensitivity." Kindly amend the same for wider participation.	Clarification	Refer response given against the same query of other SI(s).
125.	Inspira	RFP Volume I - Section 16.3.2.19	Network Monitoring Solution - Clause 8	132	NMS should be able to collect real time telemetry data from syslog, SNMP, flow etc. or equivalent and should provide end to end visibility, proactive and predictive information for troubleshooting	Kindly remove this clause Kindly remove this clause for wider participation.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
126.	Inspira	RFP Volume I - Section 16.3.2.19	Network Monitoring Solution - Clause 9	132	NMS should support providing, guided remediation for faster resolution of problem	Kindly remove this clause Kindly remove this clause for wider participation.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
127.	Amtrak	RFP Volume II - Section 9	Pre-Qualification Proposal - Clause 8	33	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. Proof of Payments received from Clients.</p>	<p>1. Request you to kindly amend the following which will allow more eligible bidders like us for this project:</p> <p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 22 Crore or • Two System Integration projects of minimum – INR 16 Crores each or • Three System Integration projects of minimum – INR 10 Crores each <p>2. Request you to kindly amend similar project criteria to the following as the current criteria may not be available in all IT system integration project. This amendment will allow more bidders to participate like us</p> <p>"Similar Project means setting up Campus area networking / IT infrastructure and related security (NGFW/ equivalent / SSO) & monitoring system software (NMS /WLC/ NAC) and its O&M phase."</p> <p>Remarks: We have requested this amendment in similar project definition because all IT System integration projects may not have all the components exactly specified in the same definition. It may have most of the items specified. Hence we have requested to amend the same to accept the options.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
128.	Amtrak	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause S.1 (a)	36	Experience in implementing as System Integrator for e-Governance Projects in State/ Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks	Request you to change the Value of one project to Rs 10 Cr or more This will allow more SI bidders like us to qualify	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
129.	Amtrak	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause S.1 (b)	36	<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p> <p>* Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p>	<p>1. Request you to change the Value of one project to Rs 7 Cr or more which allow to qualify more bidders like us</p> <p>2. Request you to kindly amend project criteria to the following as the current criteria may not be available in all IT system integration project. This amendment will allow more bidders to qualify like us:</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent/ SSO) & monitoring system software (NMS/ WLC/ NAC) and its O&M phase.</p> <p>* Note 2: Campus includes setting up of Office/ Residential and / or Educational campuses.</p> <p>We have requested this amendment because all IT System integration projects may not have all the components exactly specified in the same definition. It may have most of the items specified. Hence we have requested to amend the same to accept the options.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
130.	Amtrak	RFP Volume I - Section 8.3	8.3. Part-procurement of BoQ items 8.4. Procurement of complete BoQ items	22 & 23	The SI shall be allowed to procure Wireless access points, Access Switches, and splitters up to 80% of the BoQ mentioned in the RFP after the signing of the Contract.	1. 80% of BOQ will procure at the time of PO ,10% of BOQ will procure at the time of survey report sign-off and rest will procure after go-live may delay the project because approved OEMs in PO take minimum 5-7 weeks to deliver. Hence we request you to amend the same to 90% of BOQ will procure at the time of PO , 5% of BOQ will procure at the time of survey report sign-off and rest will procure after go-live. 2. Also please confirm whether IIM L will procure balance BOQ after go-live which is actual sign-off date and O&M start date.	Clarification	No Change. Subsequent orders shall have extended implementation time frame (in line with main components)
131.	Amtrak	RFP Volume I - Section 11	Implementation Timelines	51	The SI is required to complete the project implementation and make the project "Go-Live" within a period of 14 weeks from the date of award of the contract.	Due to large passive and electrical work we request you to kindly change it to 20 weeks	Clarification	No change. SI must plan for parallel implementation.
132.	Amtrak	RFP Volume I - Section 16.3.6	Single Sign-On Solution	157	-	RFP asked Single Sign-On Solution ,but it is not part of commercial bid/BOQ Kindly confirm	Clarification	Refer Vol-I, Line item 1.04 of Security components



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
133.	Amtrak	RFP Volume II - Section 17	Payment Mile Payment Milestones	48	GST	<p>We request IIM L to confirm that for every invoice raised by the SI ,if partial payment of the basic price is maid then the GST charge in that invoice will be paid to 100% value by IIM.</p> <p>We are requesting the same because GST is statutory and the same is paid by us to government within one month of date of Invoice. Hence we request GST charges to be excluded from mile stone based or equal instalment based payments.</p>	Clarification	No change
134.	Amtrak	RFP Volume I - Section 16.2.3	Link load Balancer	79	Link load Balancer	Specification missing. Kindly provide the same.	Corrigendum	Refer Corrigendum 1.
135.	Amtrak	RFP Volume I - Section 16.3.3	Passive Components Clause 21	137	24 Core Single-Mode(SM) 9/125 μm OS2 Armoured Multi-Tube Optical Fiber Cable 12 cores	In BOQ you have asked for 48 core cable ,but in specification it is mentioned as 24 core and 12 core ,kindly confirm and update the specification accordingly	Clarification	Refer response given against the same query of other SI(s).
136.	Amtrak	RFP Volume I - Section 10	Bill of Material	42	GePON Splitter,GePON Bridge/PoE ONT 4 port, Drop cable (fiber)	Specification missing	Clarification	No Change. SI must plan for reliable component which shall last Project duration.
137.	Amtrak	RFP Volume I - Section 13	Support and Maintenance Team	53	3 Network engineer – For shift Rotations No 3	Is it 3 engineer or 1 engineer per shift	Clarification	Refer RFP where minimum quantity has been specified.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
138.	Amtrak	RFP Volume I - Section 16.3.2.5.	Access Switch – 48 Port PoE+, Clause 1	101	Switch should have minimum 48 nos. 10/100/1000 Base-T ports POE+ with additional 2 nos. SFP+ SM uplink ports	<p>Requesting you to please specify the required POE Power budget day-1</p> <p>For a 48 Port switch - default PoE Power budget is 740W, (with support of max. upto 30W per port (IEEE 802.3at PoE+).</p> <p>In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.</p>	Clarification	Refer response given against the same query of other SI(s).
139.	Amtrak	RFP Volume I - Section 16.3.2.6.	Access Switch - 48 port PoE + mGig, Clause 1	103	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	<p>Requesting you to please specify the required POE Power budget day-1</p> <p>For a 48 Port switch - default PoE Power budget is 740W, (with support of max. upto 30W per port (IEEE 802.3at PoE+).</p> <p>In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
140.	Amtrak	RFP Volume I - Section 16.3.2.6.	Access Switch - 48 port PoE + mGig, Clause 1	103	The Stacking Clause has been missed from the 48 Port POE+mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity,</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
141.	Amtrak	RFP Volume I - Section 16.3.2.7.	Access Switch - 24 Port	104	The Stacking Clause has been missed from the 24 Port switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity,</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
142.	Amtrak	RFP Volume I - Section 16.3.2.8.	Access Switch - 24 Port PoE+	105	The Stacking Clause has been missed from the 24 Port POE+ switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity,</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
143.	Amtrak	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig	107	Switch should have minimum 24 nos. 1G copper full POE+ ports with min. 8 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Requesting you to please specify the required POE Power budget day-1 For a 24 Port switch - default PoE Power budget is 370W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 24 ports day-1 i.e. 30x24 = 720W, please specify accordingly.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
144.	Amtrak	RFP Volume I - Section 16.3.2.9	Access Switch - 24 Port PoE+ mGig	107	The Stacking Clause has been missed from the POE+ mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.	<p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity,</p> <p>Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
145.	Amtrak	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	Provide an easy-to-use BYOD ready granular secure access control solution that is context aware, identity enabled, location and device based. The proposed solution must combine Authentication, Authorization, and Accounting (AAA); Posture; Profiling; and Guest Access management services on to a single platform with a minimum endpoint footprint and supports the ability to be managed from a single management console.	<p>We understand the BoQ mentions the overall lic. count for NAC solution is 3500. Requesting you to please specify the lic. count bifurcation for AAA, Profiling, Guest Access Mgmt/BYOD and Posture respectively.</p> <p>Request you to please confirm the exact count for licenses for AAA, Profiling, Guest Access Mgmt, posture etc.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
146.	Amtrak	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	The proposed NAC solution when deployed without an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.	<p>Requesting you to please amend the clause as "20. The proposed NAC solution when deployed with an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access."</p> <p>Kindly change The clause "without an agent" as "with an agent" for better OEM participation</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
147.	Amtrak	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)	113	21. The proposed NAC solution must be able to remotely install agents to corporate hosts without end-user interaction	<p>Requesting you to please amend the clause as "21. The proposed NAC solution must be able to remotely install agents to corporate hosts with end-user permission"</p> <p>Any changes in the end-user device i.e. without end-user permission remotely installing agent on the host is not recommended, requesting you to kindly amend the clause.</p> <p>The existing clause - "without end-user interaction makes us non-compliant", please change this to "with end-user permission"</p>	Clarification	Refer response given against the same query of other SI(s).
148.	Amtrak	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 2	128	Access Point must provide Kensington lock option for theft protection.	<p>Requesting you to please change the clause to "Access Point must provide Kensington lock / equivalent option for theft protection."</p> <p>This makes us non-compliant, please change it to "/equivalent"</p>	Clarification	Refer response given against the same query of other SI(s).
149.	Amtrak	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 7	128	Access point must have an additional USB port for future use.	<p>Requesting you to please remove this clause</p> <p>Not required, the AP has RJ45 management port for all required console login activities & troubleshooting.</p> <p>This makes us non-compliant, please delete this clause</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
150.	Amtrak	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 9	128	Must have at least 3 dBi Antenna gain on both 2.4 Ghz and 5Ghz	<p>Requesting you to please change the clause to "Must have at least 2 dBi Antenna gain on 2.4 Ghz and 4dBi Antenna gain 5Ghz"</p> <p>The overall EIRP with the AP transmit power and antenna gain makes it 22dBm and 24dBm on 2.4& 5Ghz respectively, so there's no impact on the required performance. It is over and above the required power, requesting to you please amend the antenna gain for us to comply to the requirement.</p>	Clarification	Refer response given against the same query of other SI(s).
151.	Amtrak	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps, Clause 10	128	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	<p>Requesting you to please change the clause to "Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams"</p> <p>You have asked for a 2x2 MIMO Access Point, none of the APs with 2x2MIMO comes with 3 or 4 Spatial Streams, requesting you to change this to 2 Spatial Streams.</p>	Clarification	Refer response given against the same query of other SI(s).
152.	Amtrak	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 1	159	1. Solution shall enable single sign on for: VPN connection, Gmail (on IIML domain), existing AD and Edu Roam login.	<p>Requesting you to please confirm whether 'VPN' & 'Edu Roam Login' solution supports SAML 2.0 authentication protocol.</p> <p>Also, is it safe to assume that 'SSO for existing AD' means the identities are stored in AD. Please confirm/elaborate.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
153.	Amtrak	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 2	159	2. Solution must support SSO for existing in-house/ COTS IIML applications.	Requesting you to please confirm whether existing in-house applications support SAML 2.0 authentication protocol, which is required to facilitate SSO behaviour.	Clarification	Refer response given against the same query of other SI(s).
154.	Amtrak	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 46	163	46. Administrator must be able to generate all type of reports in pdf, csv and excel format.	Requesting you to please modify the point to "Administrator must be able to generate all type of reports in pdf, csv, Json or excel format." Most OEM solutions do not support all format of reporting Most OEM solutions do not support all format of reporting, kindly amend the clause to comply to the requirement.	Corrigendum	Refer Corrigendum 1.
155.	Amtrak	RFP Volume I - Section 16.3.6	Single Sign-On Solution, Clause 59	159	SSO solution for 2000 users	Requesting you to please clarify the bifurcation of 2000 users for Faculty / Staff & Students Our lic. is based on the type of user, please share the bifurcation so that we can size the licenses accordingly, (For Ex. 1500 Students and 500 Faculty/Staff members), this will help us provide you the right mix. Of licenses (as per actual requirement)	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
156.	Amtrak	RFP Volume I - Section 16.3.5.3	Web application Firewall - Clause	53	Web application Firewall	Gartner clause is asked in asked in Wireless and other components. WAF is critical security component, hence request to add Gartner clause for Web Application Firewall as well. "WAF OEM must be in Gartner Leaders/Challengers quadrant of Web Application Firewall Report "	Clarification	No Change. Please refer GoI guidelines on Make In India Security products.
157.	Amtrak	RFP Volume I - Section 10.5	UPS & Electrical Components	47	UPS & Electrical Components	Specification missing for 5,3,2,1,600 VA,0.5 KVA UPS. Also no high capacity UPS 40/10 is mentioned for Noida although in BOQ for Noida campus point no 3:-Electrical wiring to distribution points 40 KVA and 10KVA is mentioned ,kindly confirm.	Corrigendum	Refer Corrigendum 1.
158.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 1	32	The Bidder should have been in operation for a period of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies. The company should have an office in India which is operational.	The Bidder should have been in operation for a period of at least 3 Financial years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies. The company should have an office in India which is operational. Remarks: As per the Govt. of India, Being a start-up & MSME company we should get some relaxation in Eligibility Criteria and performance. (Request to change the clause and allow us to participate for this tender)	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
159.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 3	32	The Bidder should have minimum annual turnover in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business of Rs.15 Crores for each of the last 3 financial years.	The Bidder should have minimum Average annual turnover in IT Infrastructure, LAN Set Up and associated monitoring & Security Software related business of Rs.15 Crores in last three financial years i.e., (F.Y. 2017-18,2018-2019, 2019-20. respectively). Remarks: As per the Govt. of India, Being a start-up & MSME company we should get some relaxation in Eligibility Criteria and performance. (Request to change the clause and allow us to participate for this tender)	Corrigendum	Refer Corrigendum 1.
160.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 7	33	The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation/ Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of Five years as on 31.03.2020.	The Bidder should be an established IT System Integrator in India and should have been in the business of System Integration/ Hardware Implementation/ Network Services and associated software /IT Infrastructure, Operation & Maintenance for a period of Three years as on 31.03.2020. Remarks: As per the Govt. of India, Being a start-up & MSME company we should get some relaxation in Eligibility Criteria and performance. (Request to change the clause and allow us to participate for this tender)	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
161.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig - Clause no. 12	101	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification.	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification or relevant industry compliance Remarks: Request to change to allow participation in multi-gigabit access category	Clarification	Refer response given against the same query of other SI(s).
162.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 11	105	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP/ equivalent or above under Common Criteria Certification.	Switch / Switch's Operating System should be tested and certified for EAL 2/NDPP or above under Common Criteria Certification or relevant industry compliance Remarks: Request to change to allow participation in multi-gigabit access category	Clarification	No change
163.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 7	106	ETSI EN 301 489-1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	No change
164.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 7	106	ETSI EN 301 489-8 Electromagnetic Compatibility and Radio spectrum Matters(ERM);Electromagnetic Compatibility (EMC) Standard for Radio Equipment and services	Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
165.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 15	107	Us-traffic profile 2K	OLT doesn't require US specific traffic profiles it can create 1K bandwidth profiles that can be used for both US/DS direction	Clarification	Refer response given against the same query of other SI(s).
166.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 16	107	Ds-traffic profile 2K	OLT doesn't require US specific traffic profiles it can create 1K bandwidth profiles that can be used for both US/DS direction	Clarification	Refer response given against the same query of other SI(s).
167.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 17	107	DBA profile	1K (BW-Profile controls us/ds rates)	Clarification	No change
168.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 19	108	Line profile	OLT doesn't require line profiles(can be configured with the ONT).	Clarification	SI must fulfil functional requirement with equivalent, if needed.
169.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 20	108	Unique profile	OLT doesn't require unique profiles	Clarification	No change.
170.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 21	108	Rule profile	OLT doesn't require rule profiles	Clarification	No change
171.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 35	109	SVI 500	Not required in proposed solution FTTH, this requirement is specifically for internet service provider not in commercial FTTH environment.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
172.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10.	GPON - Clause no. 49	110	STP Instances (RSTP/PVSTP) on GE port	Need to change STP protocol support in ONT, because there is no requirement of STP in ONT as its customer premises equipment.	Clarification	No change
173.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 24	114	The NAC client must support installation onto the following operating systems:	The NAC client must support installation onto the following operating systems: Microsoft, Mac OS Remarks: Maximum OEM Agent supports Windows, MacOS and Linux. Android has dissolvable client	Clarification	No Change
174.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 24	114	Microsoft (windows 8 and above), Mac OS, Android, iOS		Clarification	No Change
175.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 25	114	The proposed solution must comply to the following industries recognized certifications: PCI-DSS FIPS-2 NDCPP PCI-DSS FIPS-2 NDCPP	Request to remove this clause	Clarification	No change
176.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.14	Indoor AP - Aggregate Throughput 2Gbps -	122	Access Point should have 2X10/100/1000 ethernet and serial console port	Remove serial console port Remarks: Technically serial console port is not required as AP can be access through SSH/GUI/Telnet	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			Clause no. 8					
177.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause no. 8	126	Access Point should have 1X10/100/1000 ethernet and serial console port	Remove serial console port Remarks: Technically serial console port is not required as AP can be access through SSH/GUI/Telnet	Clarification	No change
178.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.18	Indoor AP / Mesh / Repeater - Clause 2	130	Access Point should have ethernet and serial console port	Remove serial console port Remarks: Technically serial console port is not required as AP can be access through SSH/GUI/Telnet	Clarification	No change
179.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.20	Rack - 42U - Clause no. 13	134	Aluminium extruded profile with detachable side panel	Aluminium/ MS extruded profile with detachable side panel	Clarification	Equivalent of a specific clause/ condition shall be accepted
180.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.20	Rack - 42U - Clause no. 16	134	Heavy Duty Extruded Aluminium Frame for rigidity	Heavy Duty Extruded Aluminium/ MS Frame for rigidity	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
181.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 4	144	The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet.	All OEMs have their own architecture to deliver the required performance. We understand that objective is to ensure that proposed solution should comply to the performance & functional parameters asked in specification. Many of leading OEM has adopted ASIC architecture to accelerate performance. Fortinet provides best of performance & features among all competitors and hold a leading position in Security Effectiveness, Ability to Execute, Completeness of Vision (as highlighted in third party evaluation reports by GARTNER , NSS etc). Because of ASIC (Application specific integrated circuit) based architecture, FortiGate delivers high performance on the box, which directly translates to more optimized solution offering with lower TCO. This clause is restricting participation of a leading OEM (recognized by Gartner, NSS etc.) from bidding. Moreover we understand that, this point has no significance in deriving solution. Suggest to delete this clause so that all leading OEMs participate equally. Remarks: Kindly delete this clause.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
182.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 9	145	Firewall should have integrated redundant hot-swappable fan tray / modules	Fortinet's architecture is based on multiple fan modules within the platform to ensure that there is no "Single Point Of Failure" and also to ensure more efficient cooling even in the case of fan failure, through adjustment of fan speeds. Request to revise the clause to "Firewall should have integrated redundant fan tray/ modules." Remarks: Firewall should have integrated redundant fan tray / modules	Corrigendum	Refer Corrigendum 1.
183.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 1	164	Each module should be arranged in such a manner that the total UPS KVA rating = actual rating + 1 module for redundancy. Maximum module to be	MODULAR 3/1 10K ±240V X 5-MODULES (FOR 40KVA 3/1 N+1)	Clarification	Refer response given against the same query of other SI(s).
184.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 2	165	Voltage Range - 190V~520V AC Load Dependent	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% Load	Clarification	No Change
185.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 2	165	THDi - < 3% @ Linear Load	< 5% @ full linear load	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
186.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 3	165	Efficiency - Up to 95% Dual Conversion Mode, 99% ECO Mode	Up to 94% Dual Conversion Mode, 97% ECO Mode	Clarification	No change
187.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 6	166	Quality - ISO 9001, ISO 14001, OHSAS 18001, ISO 27001, ISO 50001, RoHS	should be deleted ISO 50001, RoHS	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
188.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 6	Clause 16.3.8. / Page # 167	<ul style="list-style-type: none"> • True Online Double-conversion Modular hot-swappable design for ease of power expansion, installation and maintenance. • Standard 19" form factor with tower/rack convertible design • Parallel operation with common battery • DSP technology guarantees high reliability • ECO mode operation for energy saving • Emergency power off function (EPO) <ul style="list-style-type: none"> • Generator compatible • Customized system for 4 Module • Total rack size to house 4 Nos. of module • Each module have own Monitoring System with LED + LCD • Centralized Monitoring System for detailed Monitoring of Entire Parameters • Manufacturer must be an ISO 9001, 14001, OHSAS18001 and 27001 certified • The product should be RoHS and CE certified • Must have all over India service centres 	YES, Only LCD Display	Clarification	Monitoring could be using LCD or LED.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
189.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 6	Clause 16.3.8. / Page # 167	Each module should be arranged in such a manner that the total UPS KVA rating = actual rating + 1 module for redundancy . Maximum module to be lower than 10 KVA	MODULAR 3/1 10K ±240V X 2-MODULES (FOR 10KVA 3/1 N+1)	Clarification	No change
190.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 11	167	THDi - < 3% @ Linear Load	< 5% @ full linear load	Clarification	No change
191.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 12	168	Efficiency - Up to 95% Dual Conversion Mode, 99% ECO Mode	Up to 94% Dual Conversion Mode, 97% ECO Mode	Clarification	Refer response given against the same query of other SI(s).
192.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 15	168	Quality - ISO 9001, ISO 14001, OHSAS 18001, ISO 27001, ISO 50001, RoHS	should be deleted ISO 50001, RoHS	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
193.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.8	UPS and Electricals Items - Clause no. 18	169	<ul style="list-style-type: none"> • True Online Double-conversion Modular hot-swappable design for ease of power expansion, installation and maintenance. • Standard 19" form factor with tower/rack convertible design • Parallel operation with common battery • DSP technology guarantees high reliability • ECO mode operation for energy saving • Emergency power off function (EPO) • Generator compatible • Customized system for 4 Module • Total rack size to house 4 Nos. of module • Each module have own Monitoring System with LED + LCD • Centralized Monitoring System for detailed Monitoring of Entire Parameters • Manufacturer must be an ISO 9001, 14001, OHSAS18001 and 27001 certified • The product should be RoHS and CE certified • Must have all over India service centres 	YES, Only LCD Display	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
194.	Niveshan Technologies India Pvt. Ltd.					Also would like to inform that redundancy is not available below 10KVA On-Line UPS Systems being small rating UPS's & requesting to get this changed as under	Clarification	No Change
195.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.2.7	Passive Components, a) Optic Fibre Cable (OFC):	83		<p>Clarification: All the fiber cable should be Bend Insensitive for both Multi mode and Single mode. Single Mode fiber cable should be compliant to ITU-T G.657.A1, OS2 for FTTH(GPON) Connectivity.</p> <p>Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive to allow the installer and customer the peace of mind that the performance (attenuation) will not degrade due to high bends during the fiber laying.</p>	Clarification	No Change
196.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.2.7	Passive Components, b) CAT 6A Cable:	83	A Cat 6A cable provides bandwidth of 500 MHz and data transfer speeds up to 10 Gbps and may be stretched to 100 meters in length.	Compliance As per standards the CAT 6A cabling system should support up to 500 MHz, hence 250 MHz is not applicable for Cat 6A and it's for Cat 6 Cabling.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
197.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.2.10	GPON Splitter	106		<p>GPON passive products parameter specifications(Splitters and other related products) are not mentioned in the tender.</p> <p>Suggestion GPON Passive products specifications should be considered in the tender. Otherwise some bidders can supply local fiber splitters(i.e. Non-Uniformity in the Splitter Output) and other related products to the Passive GPON.</p>	Clarification	No Change
198.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 1	135	All Passive components (Copper and Fibre) must be from the same OEM.	<p>All networking passive Components (FTTX Products(including Fiber Splitters) with Fiber Cables/Fiber Distribution Cabinet/Fiber Guide, Pre-Terminated Fiber Solution and Copper Solution) must be from single OEM make only.</p> <p>Suggestion All networking passive components should be from single OEM, to reduce the non-performance issue, to provide end to end functionality and single OEM ownership for passive components.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
199.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 2	135	For CAT 6 A cables including patch cords must be ± each individual pair separately shielded.	For Category 6A cables including patch cords must be 4 pair, 24 AWG, U/UTP LS0H/LSZH cable jacket. Compliance with Suggestion Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in an educational institute, grounding will be a major challenge at both ends of the cable.	Clarification	No Change
200.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 4	135	All CAT 6 A and Fibre cables must be LSZH.	For CAT 6A UTP Cables must be LSZH as per IEC 60332-3-22 and Fiber Cable, Gel-Free, Armoured, MDPE Sheath & UV Stabilized Compliance with Suggestion The Cat 6A Cable should be compliant with IEC 60332-3-22 flammability rating for a bunch of cables, Justification – Cables are laid in bunches and not in single wires in most environments. The flammability ratings of the cable should be compliant to bunch of cables rather than to a single cable. The standard which defines this aspect is IEC 60332-3-22. Gel free cables are better as compared to Gel filled cables for various reasons. One of the biggest problems with gel is the fact it is highly inflammable. Hence gel filled cables should be avoided inside buildings. Cable should be Gel Free.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
201.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: COPPER CABLING SYSTEM - Clause no. 8	135	CAT6A Foiled Twisted Pair Cable – Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid).	<p>CAT6A U/UTP 10G LSZH cable. The LSZH version must comply with the following Fire Safety standards:</p> <ol style="list-style-type: none"> 1) ISO/IEC 60332-3-22: Vertical Flame Spread 2) ISO/IEC 60754-2: Acidity 3) ISO/IEC 61034-2: Smoke Density <p>Conductor 23 AWG having NVP: 60-70% Transmission Standards shall be ANSI/TIA-568-C.2 / ISO/IEC 11801 Class EA (ETL/3P certificate to be enclosed along with the bid).</p> <p>Compliance</p> <p>Since the requirement is for Education Campus building , shielded cabling must be avoided to ensure easy installation and maintenance. Shielded systems would need proper grounding of each and every node on both ends, which would practically be very difficult to achieve. Hence it is requested to change to unshielded CAT6A system, which is available with all OEM's globally and is a fully certified 10g solution today.</p> <p>Accordingly I/O ,Patch cord and Jack panel need to be changed from Shielded to Cat 6A U/UTP. The Cat 6A U/UTP Cable should be compliant with IEC 60332-3-22 flammability rating for a bunch of cables, Justification – Cables are laid in bunches and not in single wires in most environments.</p> <p>As per ANSI/TIA Standards Cat 6A NVP Range should be 60 - 70%.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
202.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT6A SHIELDED RJ45 JACK - Clause 8	135	Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid).	Compliance Cat 6A RJ45 Jack need to be changed from Shielded to Cat 6A U/UTP. Information outlet (jacks) should be considered according to the copper cable.	Clarification	No Change
203.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT6A SHIELDED RJ45 JACK - Clause 18		Mechanical Characteristic: Jack Connector: Contact Plating: >0.75 micrometres Gold/Ni	Contact Plating: >0.50 micrometres Gold only. Suggestion Ni or Nickel should not be accepted because it's conducting properties are much lower than the Gold plating.	Clarification	No Change
204.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT 6A SHIELDED PATCH/MOUNTING CORDS (1	137	CAT 6A SHIELDED PATCH/MOUNTING CORDS (1 Mtr., 2 Mtr. and 3 Mtr.)	CAT 6A U/UTP PATCH/MOUNTING CORDS shall be 4 pair, 23 AWG, U/UTP LS0H/LSZH cable jacket as per IEC 60332-3 (1 Mtr., 2 Mtr. and 3 Mtr.). Compliance Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in an educational institute, grounding will be a major challenge at both ends of the cable.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			Mtr., 2 Mtr. and 3 Mtr.)					



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
205.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 21	137	24 Core Single-Mode(SM) 9/125 μm OS2 Armoured Multi-Tube Optical Fiber	<p>24 core, Single-Mode(SM) 9/125 μm OS2, Armored, Loose-tube, Gel-Free with water block protection & FRP Rod (Multi tube construction Cable).</p> <p>All Single Mode Fiber Cable Shall comply with ITU specification ITU- G.652.d & Bend Insensitive as per ITU-T G.657.A1</p> <p>Compliance with Suggestion</p> <p>a) SM Fiber should comply ITU-T G.652.D & ITU-T G.657.A1(Bend Insensitive), Gel free cables are better as compared to Gel filled cables for various reasons. One of the biggest problems with gel is the fact it is highly inflammable. Hence gel filled cables should be avoided inside buildings. Cable should be Gel Free.</p> <p>b) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. Hence is it always desirable that the fiber cores of the cable are Bend Insensitive to allow the installer and customer the peace of mind that the performance (attenuation) will not degrade due to high bends during the fiber laying.</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
206.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 26	138	Optical Characteristics:- Polarisation Mode Dispersion (PMD) :- " 0.06(SV/VT NP) Proof Stress level :- > 0.7 (~ 1%) Gpa Core-Cladding Concentricity error :- " 0.5—P Cladding non-circularity :- " 0.7 %, Diameter of outer coating layer :- 242 ± 5 µm	Cable 12 cores Compliance We request you to kindly allow the Fiber Cable as per Outdoor Fiber Cable Standard.	Clarification	No change.
207.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 27	138	Construction Details : Outer Jacket: UV Stabilized High density polyethylene (HDPE) LSZH.	Construction Details: Outer Jacket should be MDPE: Medium density polyethylene jacket, Rodent protection, suitable for direct burial application. Jacket must be UV stabilized & PE. Compliance Outdoor Fiber Cable with HDPE Sheath can crack after a long time in Outdoor environment. MDPE has very good drop resistance and shock resistance. It is less sensitive and has a higher stress-cracking resistance than HDPE. Cable sheath should be MDPE. HDPE with LSZH Sheath is not required for Outdoor direct burial Fiber Cabling at the same time.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
208.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Adaptors (Single mode) - Clause no. 29	140	Type: Adaptors should be snap mount for easy insertion and removal. Shuttered feature protects from light emissions and dust.	Shuttered feature/Dust Cap protects from light emissions and dust. Compliance Every OEM have using different way to protect from dust. We request you to kindly allow Shuttered feature or Dust Cap, both have the same functionality.	Clarification	No change. However Equivalent of a specific clause/ condition shall be accepted
209.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type- Clause no. 30	140	Cordage Outer Diameter 2.0mm $\pm 0.1\text{mm}$ x 4.1 $\pm 0.2\text{mm}$	Cordage Outer Diameter 0.9 mm mm to 2.0mm $\pm 0.1\text{mm}$ x 4.1 $\pm 0.2\text{mm}$ Compliance For inside the Fiber LIU, Smaller diameter fiber Pigtails are better to save the Fiber LIU space & Management.	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
210.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type- Clause no. 30	140	Operating Temp. -10°C to 75°C	Operating Temperature -20 °C to +60 °C Compliance Temperature Range should be as per the standard.	Corrigendum	Refer Corrigendum 1.
211.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type- Clause no. 30	140	Retention Strength 100N	Cable Retention Strength, maximum 2.00 lb @ 90 ° / 5.00 lb @ 0 ° Compliance Should be Generic. Hence it is requested that the same be allowed.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
212.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type - Clause no. 30	140	ADDITIONAL	<p>Pigtails should be Bend Insensitive with LSZH Sheath as per IEC 60332-3</p> <p>Suggestion For Performance Since the Fiber Cable is Bend Insensitive, then the Fiber Pigtails should also be Bend Insensitive. Fiber Pigtails should be LSZH Sheath as per Flame Test IEC 60332-3.</p>	Clarification	No change
213.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pigtail 9/125 Single mode OS2 LC Type - Clause no. 30	140	ADDITIONAL	<p>Optical Performance of Pigtails: Return Loss, minimum: 50.0 dB</p> <p>Suggestion We recommend that the customer should mention the most important parameter when it comes to performance, Return Loss. The Return Loss should be mentioned as this will distinguish good brands from lower end brands with poor performance.</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
214.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31	141	Cordage O.D (Duplex): 2.0mm ± 0.1mm x 4.1 ± 0.2mm	Cordage O.D (Duplex): 1.6 to 2.0mm ± 0.1mm x 4.1 ± 0.2mm Compliance For inside the rack, Smaller diameter fiber patch cord is better to save the rack space. Cable: 2.0x4.1 mm is specific to OEM.	Clarification	No Change
215.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31		Operating Temperature -10°C to +70°C	Operating Temperature -20 °C to +60 °C Compliance Fiber Patch Cord Temperature Range should be as per the standard.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
216.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31		Additional	Fiber Patch Cords should be Bend Insensitive with LSZH Sheath as per IEC 60332-3 Suggestion For Performance Since the Fiber Cable is Bend Insensitive, then the Fiber patch cords should also be Bend Insensitive. Fiber Patch Cord should be LSZH Sheath as per IEC 60332-3. Bend Insensitive is recommended for GPON Solution.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
217.	QI	RFP Volume II - Section 9.1	Pre-Qualification Proposal - Clause 8	34	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Core or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. Proof of Payments received form Clients.</p>	<p>a) Please amend this clause as requested below:</p> <p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 20 Core or • Two System Integration projects of minimum – INR 14 Crores each or • Three System Integration projects of minimum – INR 8 Crores each <p>b) Please amend the similar project tas requested below:</p> <p>Similar Project means setting up IT networking / IT infrastructure and related security (NGFW/ equivalent) & monitoring system software (NMS / NAC) and its O&M phase."</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
218.	QI	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (a)	36	Experience in implementing as System Integrator for e-Governance Projects in State/ Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more). i. One Project – 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks	Please amend this to Rs 8 Cr or more	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
219.	QI	RFP Volume II - Section 10.1	Technical Evaluation Criteria - S.1 (b)	36	<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p> <p>* Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p>	<p>Please change this to 5 Cr or more</p> <p>Please do the following changes</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent) & monitoring system software (NMS/ NAC) and its O&M phase.</p> <p>* Note 2: Campus includes setting up of Office/ Residential / Training Centre or Educational campuses.</p>	Clarification	Refer response given against the same query of other SI(s).
220.	QI	RFP Volume II - Section 16.6	Performance Bank Guarantee - Clause no. 1	44	<p>Performance Bank Guarantee will be 10% of Total Commercial Quote (Total Order Value) of the successful Bidder.</p>	<p>As Per New GOI norms kindly change it to 3% of Total Commercial Quote (Total Order Value without tax) of the successful Bidder.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
221.	QI	RFP Volume I - Section 11	Implementation Timelines	49	The SI is required to complete the project implementation and make the project "Go-Live" within a period of 14 weeks from the date of award of the contract.	Please change this to 24 weeks	Clarification	Refer response given against the same query of other SI(s).
222.	QI	RFP Volume II - Section 17	Payment Mile Payment Milestones	46	M2	Please amend the Payment milestone M2 to 65% of Format 18:C1+C2+C3+C4+C5+C6 instead of 45% Format 18 : C1+C2+C3+C4+C5+C6	Clarification	No Change
223.	QI	RFP Volume XXXX		General T&C	SI should under no condition be allowed to outsourced any part of the project (except cable laying/digging)	Please amend this the following: SI should be allowed to outsourced any part of the project (including cable laying/digging) if required with permission from IIM L	Clarification	No change.
224.	QI	RFP Volume XXXX			Gartner Requirement	This requirement should be for all active components in the RFP	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
225.	ODYSSEY COMPUTE R	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause No. 1	32	The Bidder should have been in operation for a period of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies.	The Bidder/s shall be a Partnership firm/Proprietorship firm/company registered/incorporated in India and must have existence of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation / relevant certificate. Remarks: Why only Company is allowed while Any legal entity which is doing business in India since last 5 year and working with government vertical with the significant turnover is legitimate?	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
226.	ODYSSEY COMPUTER	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause No. 8	33	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase</p>	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 12 Crore or • Two System Integration projects of minimum – INR 10 Crores each or • Three System Integration projects of minimum – INR 07 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase</p> <p>Remarks: What was the justification for the project value of 24 Crore as single project ? It seems that this is done deliberately to decrease the competition and avoid local partners. The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration should be 100% of the estimated project value.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
227.	ODYSSEY COMPUTE R	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause No. S.1 (a)	36	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more).	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 07 Cr or more). Remarks: The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration in comparison must not be more than 7 Cr.	Corrigendum	Refer Corrigendum 1.
228.	ODYSSEY COMPUTE R	RFP Volume II - Section 10.1	Page 216 clause : 10.1 Technical Evaluation Criteria		For each section of the Technical Evaluation Matrix the bidder must score a minimum cut off marks of 60 % apart from scoring a minimum of 80 marks in aggregate. In case, the bidder fails to score less minimum cut off marks in any of the sections, the technical proposal of that bidder would be rejected and therefore the bidder's commercial quote shall not be opened.	For Technical Evaluation Matrix the bidder must score a minimum of 70 marks in aggregate. In case, the bidder fails to score less minimum cut off marks the technical proposal of that bidder would be rejected and therefore the bidder's commercial quote shall not be opened. Remarks: This is done deliberately to favour specific organizations to compromise the fair competition. Refer the point S1.a, where for 2 projects only 5 marks are given which is only 50% of the specified section. Hence to achieve the 60% criteria bidder must provide 3 projects. This type of scoring is non compliance with the CVC guidelines.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
229.	ODYSSEY COMPUTE R	RFP Volume II - Section 10.1	Page 216 clause : 10.1 Technical Evaluation Criteria		<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. * Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p>	<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 07 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. * Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p> <p>Remarks: The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration in comparison must not be more that 7 Cr.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
230.	ODYSSEY COMPUTE R	RFP Volume II - Section 10.1	Page 216 clause : 10.1 Technical Evaluation Criteria		1. Experience and Credentials : 20 marks 2. Understanding of Project requirements : 20 marks 3. Bill of Materials proposed for the Project Components: 10 Marks 4. Proposed Resources: 20 marks 5. Technical Presentation : 15 Marks 6. O & M Roadmap for Project Components: 15 Marks	The marking schema shows that only 40 marks are being used for the project related skills and manpower matrix. While committee reserves the right of 60 marks based on other parameters which are completely subjective in nature. This gives the right to committee to deliberately debar a specific company from bid participation. The marking schema should be justified in terms of other government projects.	Corrigendum	Refer Corrigendum 1.
231.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 7	106	<ul style="list-style-type: none"> ETSI EN 301 489-1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements 	Kindly remove this clause Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	Refer response given against the same query of other SI(s).
232.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 7	106	<ul style="list-style-type: none"> ETSI EN 301 489-8 Electromagnetic Compatibility and Radio spectrum Matters(ERM);Electromagnetic Compatibility (EMC) Standard for Radio Equipment and services 	Kindly remove this clause Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	Refer response given against the same query of other SI(s).
233.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 15	107	Us-traffic profile : 2K	Us-traffic profile : 1K OLT doesn't require US specific traffic profiles it can create 1K bandwidth profiles that can be used for both US/DS direction	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
234.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 16	107	Ds-traffic profile : 2K	Ds-traffic profile : 1K OLT doesn't require US specific traffic profiles it can create 1K bandwidth profiles that can be used for both US/DS direction	Clarification	No change
235.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 17	107	DBA profile : 2K	DBA profile : 1K 1K (BW-Profile controls us/ds rates)	Clarification	No change
236.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 19	108	Line profile : 2K	Kindly remove this clause	Clarification	Refer response given against the same query of other SI(s).
237.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 20	108	Unique profile : 2K	Kindly remove this clause	Clarification	Refer response given against the same query of other SI(s).
238.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 21	108	Rule profile : 2K	Kindly remove this clause	Clarification	No change
239.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 25	108	MAC address aging default 300 sec (10-100000s)	MAC address aging default 300 sec (10-3600s)	Clarification	No Change
240.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 25	108	MAC learning 64 K	MAC learning 32 K Need to modify, because as there is no requirement for 64K MAC addresses)	Clarification	No Change
241.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 32	108	ARP 8000	ARP 500 500 entries are more than sufficient	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
242.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 35	109	SVI : 500	Kindly remove this clause Not required in proposed solution FTTH, this requirement is specifically for internet service provider not in commercial FTTH environment.	Corrigendum	Refer Corrigendum 1.
243.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 36	109	ACL : 2K	ACL : 256 as the OLT will be deployed in FTTH environment, hence, there is not much requirement for ACLs,	Clarification	Refer response given against the same query of other SI(s).
244.	ODYSSEY COMPUTE R	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 49	110	STP Instances (RSTP/PVSTP) on GE port :1	Kindly remove this clause	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
245.	Targus Technologies Pvt. Ltd.	RFP Volume II - Section 16.6	Performance Bank Guarantee	44		<p>At Present PBG asked is 10%, request to reduce it to 3%, as per GOVT of India Notification during COVID-19 conditions.</p> <p>Ref: - As per Govt of India, Ministry of Finance Notification: MO no F9/4 2020-PPD Dated 12. Nov 2020, that all Awarded Tenders will have to submit the PBG of 3%.</p> <p>Please take 2 Different PBG</p> <p>1) for Hardware component till 3 Year of warranty + 6 Months DLP) @ 3 % 2) for O&M till 7 Year @ 3 % (This will secure your service cost default for LD and issues if any)</p>	Clarification	Refer response given against the same query of other SI(s).
246.	Targus Technologies Pvt. Ltd.	RFP Volume II - Section 17	Payment Milestones	46	Payment of Hardware components	<p>50% on Delivery</p> <p>20% on Installation</p> <p>10% on UAT /FAC - Final Acceptance</p> <p>10% on Onsite Training & Third party Audit report</p> <p>10% on Final Handover with Documentation</p>	Clarification	No change.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
247.	Targus Technologies Pvt. Ltd.	RFP Volume II - Section 17	Payment Milestones	46	O&M Part 7 Years - Format 18	<p>You have separate PBG for this amount quoted by SI, SI should get Quarterly payment on meeting desired SLA- discussed with IIML</p> <p>O&M should have price bid Column separately on quarterly basis. Under respective heads. To easy out cash flow.</p> <p>for Active components/ Passive/ Security/ UPS/ Manpower/</p>	Clarification	No change.
248.	Targus Technologies Pvt. Ltd.	RFP Volume II - Section 17	Payment Milestones	46	Warranty	<p>Warranty will start from the installation of Material.</p> <p>O&M /AMC should in addition to warranty period asked. E.g. 3 Years + 4 Years AMC with O&M Maintenance engineer.</p> <p>This will have clarity to IIML for clear warranty part.</p>	Clarification	O&M covers AMC, on site support engineers, OEM support, etc. Refer RFP.
249.	IVALUE	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow - Clause no. 2	89	The 24-port switch shall have 12 x 40 GE SFP/SFP+ SM populated slots from day 1 and also support/compatible port/slot speed.	<p>40G is already end of life in Data Centre</p> <p>Request you to please change the clause as "The 24-port switch shall have 12 x 40/100 GE SFP/SFP+ SM populated slots from day 1 and also support/compatible port/slot speed."</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
250.	IVALUE	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow - Clause no. 40	91	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
251.	IVALUE	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow - Clause no. 41	91	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Refer response given against the same query of other SI(s).
252.	IVALUE	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause no. 40	94	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
253.	IVALUE	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause no. 41	94	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
254.	IVALUE	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 9	95	The Switch should have at least 4GB/ higher flash memory to work on full load	This is OEM Specific. Switch requires only 2GB for non-blocking full efficiency. Request you to please change the clause as " The Switch should have at least 2GB/ higher flash memory to work on full load"	Clarification	Refer response given against the same query of other SI(s).
255.	IVALUE	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 10	95	The Switch should have at least 4 GB/ higher DRAM required for optimum performance of Network to meet defined SLAs.	This Clause is OEM specific. Switch requires only 2GB for non-blocking full efficiency. Request you to please change the clause as " The Switch should have at least 2 GB/ higher DRAM required for optimum performance of Network to meet defined SLAs."	Clarification	Refer response given against the same query of other SI(s).
256.	IVALUE	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 16	96	The Switch should support 32K IPv4 routes	Higher routes are required in core and already asked for in core. Request to modify the clause as " The Switch should support 16K IPv4 routes"	Clarification	Refer response given against the same query of other SI(s).
257.	IVALUE	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 40	97	The switch should be IPv6 ready logo certified from day 1	This clause is OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
258.	IVALUE	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 41	97	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	EMC Directive 89/336/EEC has a same functionality as EN 300 386 Request you to please modify the clause " Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386/EMC Directive 89/336/EEC, IEC/EN 61000-4-11 & ROHS."	Clarification	Refer response given against the same query of other SI(s).
259.	IVALUE	RFP Volume I - Section 16.3.2.4	Access Switch - 48 Port - Clause no. 11	98	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Equivalent of a specific clause/ condition shall be accepted
260.	IVALUE	RFP Volume I - Section 16.3.2.4	Access Switch - 48 Port - Clause no. 14	99	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
261.	IVALUE	RFP Volume I - Section 16.3.2.5	Access Switch - 48 Port PoE+ - Clause no. 10	100	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
262.	IVALUE	RFP Volume I - Section 16.3.2.5	Access Switch - 48 Port PoE+ - Clause no. 13	100	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
263.	IVALUE	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause no. 1	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Multi-Gig in access is always 2.5G and no of uplink ports also needs to be higher to cater to multi-gig ports Request you to please change the clause as "Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 2.5G with additional 4x10G SFP+ uplink ports "	Clarification	Refer response given against the same query of other SI(s).
264.	IVALUE	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause no. 2	101	Should support AC/DC power supply	Redundant PSU is required as MultiGig ports always consume 40w+ power Request you to please modify the clause as " Should support Redundant AC/DC power supply"	Clarification	Refer response given against the same query of other SI(s).
265.	IVALUE	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause no. 10	101	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
266.	IVALUE	RFP Volume I - Section 16.3.2.6	Access Switch - 48 Port PoE+ mGig - Clause no. 13	101	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
267.	IVALUE	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port - Clause no. 10	102	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).
268.	IVALUE	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port - Clause no. 13	103	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
269.	IVALUE	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE - Clause no. 10	104	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).
270.	IVALUE	RFP Volume I - Section 16.3.2.8	Access Switch - 24 Port PoE -	104	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			Clause no. 13					
271.	IVALUE	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 1	105	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Multi-Gig in access is always 2.5G and no of uplink ports also needs to be higher to cater to multi-gig ports Request you to please change the clause as "Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 2.5G with additional 4x10G SFP+ uplink ports "	Clarification	Refer response given against the same query of other SI(s).
272.	IVALUE	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 2	105	Should support AC/DC power supply	Redundant PSU is required as MultiGig ports always consume 40w+ power Request you to please modify the clause as " Should support Redundant AC/DC power supply"	Clarification	Refer response given against the same query of other SI(s).
273.	IVALUE	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 9	105	Switch should support IPv4 and IPv6 ACLs, VLAN, Port and Time-based access list with time ranges/ equivalent.	Time-based Access list is a OEM specific. Request you to please change the clause as " Switch should support IPv4 and IPv6 ACLs, VLAN, Port and access list with time ranges/ equivalent."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
274.	IVALUE	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 12	105	The switch should be IPv6 ready logo certified from day 1	It's a OEM specific. Request you to please change the clause as " The switch should be IPv6 ready from day 1"	Corrigendum	Refer Corrigendum 1.
275.	IVALUE	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 2	118	WLC should be dedicated appliance/Dedicated Virtual appliance with support up to 1500 Access points. Should be a single/multiple appliance in High Availability mode. Should have 2 nos. 10G ports.	1500 will be a limitation for expansion Request you to please modify the clause as " WLC should be dedicated appliance/Dedicated Virtual appliance with support up to 4000 Access points. Should be a single/multiple appliance in High Availability mode. Should have 2 nos. 10G ports."	Clarification	No Change
276.	IVALUE	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 7	118	WLC should support L2 and L3 roaming of IPv6 clients	We support IPv6 only on cloud controller as on today. Request you to please change the clause as " WLC should support L2 and L3 roaming with option for IPv6 in future roadmap"	Clarification	No Change. Solution must meet on premise deployment requirement and O&M for 7 years.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
277.	IVALUE	RFP Volume I - Section 16.3.2.12	Wireless LAN Controller (WLC) - Clause no. 8	118	Should adhere to the strictest level of security standards, including 802.11i, WPA2, WPA, WEP, 802.1X with multiple Extensible Authentication Protocol (EAP) types, PEAP, EAP-TLS, EAP-TTLS	WPA3 is the latest security standard Request you to please modify this clause as "Should adhere to the strictest level of security standards, including 802.11i, WPA3, WPA2, WPA, WEP, 802.1X with multiple Extensible Authentication Protocol (EAP) types, PEAP, EAP-TLS, EAP-TTLS"	Clarification	No change
278.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Throughput 5Gbps - Clause no 5	120	Should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	AP throughput is 3Gbps and input cannot be less than 3Gbps Request you to please modify clause as "Should have 1x 100, 1000, 2500 Multigigabit Ethernet and 1x 100, 1000 gigabit Ethernet (RJ-45) – IEEE 802.3bz"	Clarification	No change
279.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Throughput 5Gbps - Clause no 9	120	Must support 4x4 MIMO or higher for both 5 Ghz and 2.4 GHz.	All latest clients use 5Ghz and 2.4 is only used for long range Request you to please change the clause as "Must support 4x4 MIMO or higher to cater to 3Gbps throughput"	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
280.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause no 10	120	Must Support data rate up to 4.8 Gbps.	5Gbps is not practically possible and OEM specific Request you to please change the clause as "Must Support data rate up to 3 Gbps."	Clarification	Refer response given against the same query of other SI(s).
281.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause no 11	120	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	This is to ensure 5Ghz clients are served more efficiently Request you to please change the clause as "Must support minimum of 21dbm of transmit power in 2.4Ghz and 24 dBm on 5Ghz radios. And should follow the local regulatory Norms."	Clarification	No change
282.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause no 17	120	Access Points must support Hardware-based encryption for secure communication.	AES is standard for encryption Request you to please modify the clause as " Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
283.	IVALUE	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregated Through put 5Gbps - Clause no 22	121	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.	Few vendors have different models for on-prem and cloud based controller Request you to please change the clause as "Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller. The same AP should also work with cloud controller without change in hardware and software"	Clarification	Refer response given against the same query of other SI(s).
284.	IVALUE	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Through put 2Gbps - Clause no. 12	121	Must support minimum of 20dbm of transmit power on both 2.4 Ghz & 5GHz Radio.	This will ensure better client serving in coverage area Request to modify it as "Must support minimum of 18dbm of transmit power on both 2.4 Ghz & 5GHz Radio."	Clarification	Refer response given against the same query of other SI(s).
285.	IVALUE	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Through put 2Gbps - Clause no. 17	122	Must have -94 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -96 dB or better Receiver Sensitivity."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
286.	IVALUE	RFP Volume I - Section 16.3.2.14	Indoor AP Aggregated Throughput 2Gbps - Clause no. 29	123	The APs must support centralized wireless mode with the use of a controller	Few vendors have different models for on-prem and cloud based controller Request you to please change the clause as "The APs must support centralized wireless mode with the use of a controller and cloud controller without change in hardware and software"	Clarification	No change
287.	IVALUE	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Throughput 1.2 Gbps 2X2/ Higher	124	Must have -95 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -96 dB or better Receiver Sensitivity."	Clarification	Refer response given against the same query of other SI(s).
288.	IVALUE	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Throughput 1.2 Gbps 2X2/ Higher - Clause no. 7	124	Aggregate throughput of 1.3 Gbps	This clause is OEM specific. Request you to please change the clause as "Aggregate throughput of 1.2 Gbps"	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
289.	IVALUE	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/ Higher - Clause no. 15	125	Access point should have 1 10/100/1000Gbps Port	The second can be used for uplink to CCTV as this is outdoor and separate cable is not required for both devices Request to please change It as "Access point should have 2 10/100/1000Gbps Port"	Clarification	Refer response given against the same query of other SI(s).
290.	IVALUE	RFP Volume I - Section 16.3.2.15	Outdoor AP Aggregated Through put 1.2 Gbps 2X2/ Higher - Clause no. 21	125	The Access point shall support operating temperature of -20 to 55°C	Atmospheric temperature in constant 50deg air temperature should be considered as 70deg Request to change the clause as "The Access point shall support operating temperature of - 20 to 70°C"	Clarification	Refer response given against the same query of other SI(s).
291.	IVALUE	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause no. 12	126	Must support minimum of 20dbm of transmit power on both 2.4 Ghz & 5GHz Radio.	This will ensure even servicing of clients Please change the clause as " Must support minimum of 17dbm of transmit power on 2.4 Ghz & 20 dbm on 5GHz Radio."	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
292.	IVALUE	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause no. 17	127	Must have -90 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -91 dB or better Receiver Sensitivity."		
293.	IVALUE	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause no. 3	129	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	In room AP required only less coverage Request you to please change the clause as" Must support minimum of 18dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms."	Clarification	Refer response given against the same query of other SI(s).
294.	IVALUE	RFP Volume I - Section 16.3.2.17	Home AP 300 Mbps - Clause no. 9	129	Access Points must support Hardware-based encryption for secure communication.	AES is standard Encryption Request you to please change the clause as" Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Refer response given against the same query of other SI(s).
295.	IVALUE	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause no. 3	130	Must support minimum of 20dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	This will ensure even servicing of clients Please change the clause as " Must support minimum of 17dbm of transmit power on 2.4 Ghz & 20 dbm on 5GHz Radio."	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
296.	IVALUE	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause no. 6	131	Must have -97 dB or better Receiver Sensitivity.	Request you to please change the clause as "Must have -91 dB or better Receiver Sensitivity."	Clarification	Refer response given against the same query of other SI(s).
297.	IVALUE	RFP Volume I - Section 16.3.2.18	Indoor AP/Mesh /Repeater - Clause no. 9	131	Access Points must support Hardware-based encryption for secure communication.	AES is standard Encryption Request you to please change the clause as "Access Points must support Hardware-based/Equivalent encrypted management traffic between controller and Access point for better security."	Clarification	Equivalent of a specific clause/ condition shall be accepted
298.	SPIT	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 1	32	The Bidder should have been in operation for a period of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies.	The Bidder/s shall be a Partnership firm/Proprietorship firm/company registered/incorporated in India and must having existence of at least 5 years as of 31-03-2020, as evidenced by the Certificate of Incorporation / relevant certificate. Remarks: Why only Company is allowed while Any legal entity which is doing business in India since last 5 year and working with government vertical with the significant turnover is legitimate?	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
299.	SPIT	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 8	33	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <p>1.One System Integration project of minimum – INR 24 Crore or</p> <p>2. Two System Integration projects of minimum – INR 18 Crores each or</p> <p>3.Three System Integration projects of minimum – INR 12 Crores each</p> <p>4. Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC,NAC) and its O&M phase</p>	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <p>1.One System Integration project of minimum – INR 12 Crore</p> <p>2.Two System Integration projects of minimum – INR 10 Crores each or</p> <p>3. Three System Integration projects of minimum – INR 07 Crores each</p> <p>4.Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC,NAC) and its O&M phase</p> <p>Remarks: What was the justification for the project value of 24 Crore as single project ? It seems that this is done deliberately to decrease the competition and avoid local partners. The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration should be 100% of the estimated project value.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
300.	SPIT	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause no. S.1 (a)	36	Experience in implementing as System Integrator for e-Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 15 Cr or more).	Experience in implementing as System Integrator for e- Governance Projects in State / Central / PSU / Autonomous bodies in the last five financial years (Value of one project - Rs 07 Cr or more). Remarks: The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration in comparison must not be more that 7 Cr.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
301.	SPIT	RFP Volume II - Section 10.1	Technical Evaluation Criteria		For each section of the Technical Evaluation Matrix the bidder must score a minimum cut off marks of 60 % apart from scoring a minimum of 80 marks in aggregate. In case, the bidder fails to score less minimum cut off marks in any of the sections, the technical proposal of that bidder would be rejected and therefore the bidder's commercial quote shall not be opened.	For Technical Evaluation Matrix the bidder must score a minimum of 70 marks in aggregate. In case, the bidder fails to score less minimum cut off marks the technical proposal of that bidder would be rejected and therefore the bidder's commercial quote shall not be opened. Remarks: This is done deliberately to favour specific organizations to compromise the fair competition. Refer the point S1.a, where for 2 projects only 5 marks are given which is only 50% of the specified section. Hence to achieve the 60% criteria bidder must provide 3 projects. This type of scoring is non compliance with the CVC guidelines.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
302.	SPIT	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause no. S.1 (b)		<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 10 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. * Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p>	<p>Experience in Setting Up Campus Network* in the last five financial years (Value of one project - Rs 07 Cr or more)</p> <p>i. One Project - 2 Marks ii. Two Projects - 5 Marks iii. Three Projects or more – 10 Marks</p> <p>* Note 1: Setting up of Campus area networking and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase. * Note 2: Campus includes setting up of Office, Residential and / or Educational campuses.</p> <p>Remarks:</p> <p>The estimated project cost is 7 Crore as per the scope of work listed in RFP. The maximum project value for consideration in comparison must not be more that 7 Cr.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
303.	SPIT	RFP Volume II - Section 10.1	Technical Evaluation Criteria - Clause no.		1. Experience and Credentials : 20 marks 2. Understanding of Project requirements : 20 marks 3. Bill of Materials proposed for the Project Components: 10 Marks 4. Proposed Resources: 20 marks 5. Technical Presentation : 15 Marks 6. O & M Roadmap for Project Components: 15 Marks	The marking schema shows that only 40 marks are being used for the project related skills and manpower matrix. While committee reserves the right of 60 marks based on other parameters which are completely subjective in nature. This gives the right to committee to deliberately debar a specific company from bid participation. The marking schema should be justified in terms of other government projects.	Clarification	No change
304.	SPIT	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 7	109	<ul style="list-style-type: none"> ETSI EN 301 489-1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements 	Kindly remove this clause Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	No change
305.	SPIT	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 7	110	<ul style="list-style-type: none"> ETSI EN 301 489-8 Electromagnetic Compatibility and Radio spectrum Matters(ERM); Electromagnetic Compatibility (EMC) Standard for Radio Equipment and services 	Kindly remove this clause Electromagnetic Compatibility (EMC) standard for radio equipment and services;	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
306.	SPIT	RFP Volume I - Section 16.3.2.10	GPON - Clause no. 15		Us-traffic profile : 2K	Us-traffic profile : 1K OLT doesn't require US specific traffic profiles it can create 1K bandwidth profiles that can be used for both US/DS direction	Clarification	Refer response given against the same query of other SI(s).
307.	Velocis	RFP Volume I - Section 16.2.7	Passive Components, a) Optic Fibre Cable (OFC):	83	Additional	All the fiber cable should be Bend Insensitive for both Multi mode and Single mode. Single Mode fiber cable should be compliant to ITU-T G.657.A1, OS2 for FTTH(GPON) Connectivity. Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive to allow the installer and customer the peace of mind that the performance (attenuation) will not degrade due to high bends during the fiber laying.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
308.	Velocis	RFP Volume I - Section 16.2.7	Passive Components, a) Optic Fibre Cable (OFC) - Clause b) CAT 6A Cable	83	A Cat 6A cable provides bandwidth of 250 MHz and data transfer speeds up to 10 Gbps and may be stretched to 100 meters in length.	A Cat 6A cable provides bandwidth of 500 MHz and data transfer speeds up to 10 Gbps and may be stretched to 100 meters in length. Compliance As per standards the CAT 6A cabling system should support up to 500 MHz, hence 250 MHz is not applicable for Cat 6A and it's for Cat 6 Cabling.	Clarification	No change
309.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 1	135	All Passive components (Copper and Fibre) must be from the same OEM.	All networking passive Components (FTTX Products(including Fiber Splitters) with Fiber Cables/Fiber Distribution Cabinet/Fiber Guide, Pre-Terminated Fiber Solution and Copper Solution) must be from single OEM make only. Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
310.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 2	135	For CAT 6 A cables including patch cords must be ± each individual pair separately shielded.	For Category 6A cables including patch cords must be 4 pair, 24 AWG, U/UTP LS0H/LSZH cable jacket. Compliance with Suggestion Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in a educational institute, grounding will be a major challenge at both ends of the cable.	Clarification	No Change
311.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements - Clause no. 4	135	All CAT 6 A and Fibre cables must be LSZH.	For CAT 6A UTP Cables must be LSZH as per IEC 60332-3-22 and Fiber Cable, Gel-Free, Armoured, MDPE Sheath & UV Stabilized Compliance with Suggestion Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in a educational institute, grounding will be a major challenge at both ends of the cable.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
312.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: COPPER CABLING SYSTEM - Clause no. 8	135	CAT6A Foiled Twisted Pair Cable – Category 6A must be solid copper conductor 23 AWG having NVP: 75-77% with 4 pair individually foiled LSZH cable and must be compliant with TIA/EIA-568-C.2 for 500MHz (ETL/3P certificate to be enclosed along with the bid).	<p>CAT6A U/UTP 10G LSZH cable. The LSZH version must comply with the following Fire Safety standards: 1) ISO/IEC 60332-3-22: Vertical Flame Spread 2) ISO/IEC 60754-2: Acidity 3) ISO/IEC 61034-2: Smoke Density Conductor 23 AWG having NVP: 60-70% Transmission Standards shall be ANSI/TIA- 568-C.2 / ISO/IEC 11801 Class EA (ETL/3P certificate to be enclosed along with the bid).</p> <p>Compliance Since the requirement is for Education Campus building , shielded cabling must be avoided to ensure easy installation and maintenance. Shielded systems would need proper grounding of each and every node on both ends, which would practically be very difficult to achieve. Hence it is requested to change to unshielded CAT6A system, which is available with all OEM's globally and is a fully certified 10g solution today. Accordingly I/O ,Patch cord and Jack panel need to be changed from Shielded to Cat 6A U/UTP. The Cat 6A U/UTP Cable should be compliant with IEC 60332-3-22 flammability rating for a bunch of cables, Justification – Cables are laid in bunches and not in single wires in most environments. As per ANSI/TIA Standards Cat 6A NVP Range should be 60 - 70%.</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
313.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT6A SHIELDED RJ45 JACK	135	CAT6A SHIELDED RJ45 JACK	CAT6A U/UTP UNSHIELDED RJ45 JACK Compliance Cat 6A RJ45 Jack need to be changed from Shielded to Cat 6A U/UTP. Information outlet (jacks) should be considered according to the copper cable.	Clarification	No Change
314.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT6A SHIELDED RJ45 JACK - Clause no. 18	136	Mechanical Characteristic: Jack Connector: Contact Plating: >0.75 micrometres Gold/Ni	Contact Plating: >0.50 micrometres Gold only. Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
315.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: CAT 6A SHIELDED PATCH/MOUNTING CORDS (1 Mtr., 2 Mtr. and 3 Mtr.) - Clause no. 20	137	CAT 6A SHIELDED PATCH/MOUNTING CORDS (1 Mtr., 2 Mtr. and 3 Mtr.)	<p>CAT 6A U/UTP PATCH/MOUNTING CORDS shall be 4 pair, 23 AWG, U/UTP LS0H/LSZH cable jacket as per IEC 60332-3 (1 Mtr., 2 Mtr. and 3 Mtr.).</p> <p>Compliance Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in a educational institute, grounding will be a major challenge at both ends of the cable.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
316.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 21	137	24 Core Single-Mode(SM) 9/125 μ m OS2 Armoured Multi-Tube Optical Fiber Cable 12 cores	24 core, Single-Mode(SM) 9/125 μ m OS2, Armored, Loose-tube, Gel-Free with water block protection & FRP Rod (Multi tube construction Cable). All Single Mode Fiber Cable Shall comply with ITU specification ITU- G.652.d & Bend Insensitive as per ITU-T G.657.A1 Compliance with Suggestion Cat 6A solution should be U/UTP because no grounding is required at both ends of the cable. When using laptops, which will be the case in an educational institute, grounding will be a major challenge at both ends of the cable.	Clarification	Refer response given against the same query of other SI(s).
317.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 26	138	Optical Characteristics:- Polarisation Mode Dispersion (PMD) :- " 0.06(SV/VT NP) Proof Stress level :- > 0.7 (~ 1%) Gpa Core-Cladding Concentricity error :- " 0.5—P Cladding non-circularity :- " 0.7 %, Diameter of outer coating layer :- 242 \pm 5 μ m	Fiber Cable shall have as per Standards Compliance: ANSI/TIA/EIA-568-C.3 EIA-455- 104 EN 50173-1 IEC 60794-1 ISO/IEC 11801 Issue 2 Telcordia GR-20-CORE ITUT REC G.652 D & ITU-T G.657.A1 Compliance We request you to kindly allow the Fiber Cable as per Outdoor Fiber Cable Standard.	Clarification	No change.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
318.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 27	138	Construction Details : Outer Jacket: UV Stabilized High density polyethylene (HDPE) LSZH.	<p>Construction Details : Outer Jacket should be MDPE: Medium density polyethylene jacket, Rodent protection, suitable for direct burial application. Jacket must be UV stabilized & PE.</p> <p>Compliance Outdoor Fiber Cable with HDPE Sheath can crack after a long time in Outdoor environment. MDPE has very good drop resistance and shock resistance. It is less sensitive and has a higher stress-cracking resistance than HDPE. Cable sheath should be MDPE. HDPE with LSZH Sheath is not required for Outdoor direct burial Fiber Cabling at the same time.</p>	Clarification	No Change
319.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: OPTICAL FIBRE CABLING - Clause no. 29	140	Type: Adapters should be snap mount for easy insertion and removal. Shuttered feature protects from light emissions and dust.	<p>Shuttered feature/Dust Cap protects from light emissions and dust.</p> <p>Compliance Every OEM have using different way to protect from dust. We request you to kindly allow Shuttered feature or Dust Cap, both have the same functionality.</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
320.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pig tail 9/125 Single mode O S2 LC Type - Clause no. 30	140	Cordage Outer Diameter 2.0mm $\pm 0.1\text{mm} \times 4.1 \pm 0.2\text{mm}$	Cordage Outer Diameter 0.9 mm mm to 2.0mm $\pm 0.1\text{mm} \times 4.1 \pm 0.2\text{mm}$ Compliance For inside the Fiber LIU, Smaller diameter fiber Pigtails are better to save the Fiber LIU space & Management.	Clarification	Refer response given against the same query of other SI(s).
321.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pig tail 9/125 Single mode O S2 LC Type - Clause no. 30	140	Operating Temp. -10°C to 75°C	Operating Temperature -20 °C to +60 °C Compliance Temperature Range should be as per the standard.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
322.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pig tail 9/125 Single mode O S2 LC Type - Clause no. 30	141	Retention Strength 100N	Cable Retention Strength, maximum 2.00 lb @ 90 ° / 5.00 lb @ 0 ° Compliance Should be Generic. Hence it is requested that the same be allowed.	Clarification	No change
323.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pig tail 9/125 Single mode O S2 LC Type		Additional	Pigtails should be Bend Insensitive with LSZH Sheath as per IEC 60332-3 Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
324.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Pig tail 9/125 Single mode OS2 LC Type		Additional	Optical Performance of Pigtails: Return Loss, minimum: 50.0 dB Suggestion a) During installation / laying of fiber cables, not all times the bend radius of the fiber cable can be maintained. b) Hence it is always desirable that the fiber cores of the cable are bend insensitive	Clarification	No change
325.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31	141	Cordage O.D (Duplex): 2.0mm ± 0.1mm x 4.1 ± 0.2mm	Cordage O.D (Duplex): 1.6 to 2.0mm ± 0.1mm x 4.1 ± 0.2mm Compliance For inside the rack, Smaller diameter fiber patch cord is better to save the rack space. Cable: 2.0x4.1 mm is specific to OEM.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
326.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31	141	Operating Temperature -10°C to +70°C	Operating Temperature -20 °C to +60 °C Compliance Fiber Patch Cord Temperature Range should be as per the standard.	Clarification	Refer response given against the same query of other SI(s).
327.	Velocis	RFP Volume I - Section 16.3.3	Passive Components, General Requirements: Fiber Optic Patch Cord LC-LC 9/125 OS2 Single mode - Clause no. 31		Additional	Fiber Patch Cords should be Bend Insensitive with LSZH Sheath as per IEC 60332-3 Suggestion For Performance Since the Fiber Cable is Bend Insensitive, then the Fiber patch cords should also be Bend Insensitive. Fiber Patch Cord should be LSZH Sheath as per IEC 60332-3 Bend Insensitive is recommended for GPON Solution.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
328.	Velocis	RFP Volume I - Section 16.3.2.10	GPON Splitter	84	Additional	<p>GPON passive products parameter specifications(Splitters and other related products) are not mentioned in the tender.</p> <p>Suggestion GPON Passive products specifications should be considered in the tender. Otherwise some bidders can supply local fiber splitters(i.e. Non-Uniformity in the Splitter Output) and other related products to the Passive GPON.</p>	Clarification	No change
329.	Velocis	RFP Volume I - Section 16.2.6	Active Components - Clause no. g) Network Management System	80	NMS solution shall provide 360 visibility of all the Network components in the network. NMS shall be used to identify, configure, monitor, update and troubleshoot network devices including wired and Wi-Fi devices.	NMS Solution Would be required or it is already there in the system Separate licensing and commercials would be incorporated. Also need to clarify no. of nodes to be monitored in NMS Network configuration management module is also required or not	Clarification	All active networking component supplied under this rfp + existing active components (if used).
330.	Velocis	RFP Volume I - Section 16.3.7	Centralized Helpdesk Ticketing Solution - Clause no. 1	162	The proposed solution shall provide a web based service support system to automate incident, problem, change, knowledge management, interactive support, self service, and Asset management.	How many nodes to be incorporated in Asset Management system	Clarification	All assets being supplied in this Project + existing WAPs (details



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
331.	Velocis	RFP Volume I - Section 16.3.7	Centralized Helpdesk Ticketing Solution - Clause no. 5	162	The proposed solution shall provide the flexibility of automated incident assignment based on metrics such as analyst workload, category and location.	How many helpdesk license would be required	Clarification	SI must plan for it based on his O&M approach for the components supplied as part of this Project + 1 user License for legacy hardware existing team.
332.	Velocis	RFP Volume II - Section 17	Payment Milestones	46		Suggestion M1. Submission and approval of the deliverable no's D1, D2 & D3 as per RFP Volume I. 5% of Format 18: C1+C2+C3+C4+C5+C6	Clarification	No Change
333.	Velocis	RFP Volume II - Section 17	Payment Milestones	46	M2. Completion of Procurement, Supply, Installation and Configuration of all the items as per Bill of material and <ul style="list-style-type: none"> Submission & approval of deliverables: D4, D5 and D6 as per RFP Volume I. 45% of Format 18: C1+C2+C3+C4+C5+C6 	Kindly clear 90% payment for the supplied material which includes active components, passive components, Security components, UPS and Electrical components, Non IT components & Ticketing solution. Balance 10% can be paid post implementation. We can provide the separate cost of installation and 7 years AMC/ATS cost which we can	Clarification	No Change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
334.	Velocis	RFP Volume II - Section 17	Payment Milestones	46	M3. On the event of Project “Go-Live” as per RFP Volume I. <ul style="list-style-type: none"> • Submission & approval of deliverables: D7 as per RFP Volume I. • 10% of Format 18: C1+C2+C3+C4+C5+C6 and • 100% of Format 18: C7 	raise the invoice in instalments. In order to achieve this, we suggest you take separate cost for product , implementation and support period and prepare the milestones accordingly.	Clarification	No Change
335.	Velocis	RFP Volume II - Section 17	Payment Milestones	46	Remaining 40% of Format 18: C1+C2+C3+C4+C5+C6 after Go-Live during O & M Phase in 28 Equated Quarterly Instalments	Suggestion	Clarification	No suggestion provided by the SI.
336.	Velocis	RFP Volume I - Section 11	Implementation Timelines	49	The SI is required to complete the project implementation and make the project “Go-Live” within a period of 14 weeks from the date of award of the contract. The SI shall make an effort to complete the project as per defined timelines, however, additional two weeks shall be provided if required.	Kindly increase the project implementation timeline to 28 weeks from the date of award of the contract. Since quite a lot of downtime shall be required at the site to complete the project so 14 weeks might not be sufficient.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
337.	Velocis	RFP Volume I - Section 16.3.2.5	Access Switch – 48 Port PoE +, Clause 1	99	Switch should have minimum 48 nos. 10/100/1000 Base-T ports POE+ with additional 2 nos. SFP+ SM uplink ports	Requesting you to please specify the required POE Power budget day-1 For a 48 Port switch - default PoE Power budget is 740W, (with support of max. up to 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.	Clarification	Refer response given against the same query of other SI(s).
338.	Velocis	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig, Clause 1	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Requesting you to please specify the required POE Power budget day-1 For a 48 Port switch - default PoE Power budget is 740W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 48 ports day-1 i.e. 30x48 = 1440W, please specify accordingly.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
339.	Velocis	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig		Additional	<p>The Stacking Clause has been missed from the 48 Port POE+ mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.</p> <p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity, Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall meet the functional requirement and each access switch will not be loaded with stacking module day-1.</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
340.	Velocis	RFP Volume I - Section 16.3.2.7	Access Switch - 24 Port		Additional	<p>The Stacking Clause has been missed from the 24 Port switch, this is required for the solution and has already been considered in the 48 Port access switch.</p> <p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity, Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
341.	Velocis	RFP Volume I - Section 16.3.2.8.	Access Switch - 24 Port PoE+		Additional	<p>The Stacking Clause has been missed from the 24 Port POE+ switch, this is required for the solution and has already been considered in the 48 Port access switch.</p> <p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink port."</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity, Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
342.	Velocis	RFP Volume I - Section 16.3.2.9	Access Switch 24 Port PoE+ mGig - Clause no. 1	105	Switch should have minimum 24 nos. 1G copper full POE+ ports with min. 8 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Requesting you to please specify the required POE Power budget day-1 For a 24 Port switch - default PoE Power budget is 370W, (with support of max. upto 30W per port (IEEE 802.3at PoE+). In case 30W is required on all 24 ports day-1 i.e. 30x24 = 720W, please specify accordingly.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
343.	Velocis	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 1	111	Provide an easy-to-use BYOD ready granular secure access control solution that is context aware, identity enabled, location and device based. The proposed solution must combine Authentication, Authorization, and Accounting (AAA); Posture; Profiling; and Guest Access management services on to a single platform with a minimum endpoint footprint and supports the ability to be managed from a single management console.	<p>The Stacking Clause has been missed from the POE+ mGig switch, this is required for the solution and has already been considered in the 48 Port access switch.</p> <p>Requesting you to please add the necessary clause "Switch should have dedicated slot/ports for stacking and should support minimum 40 Gbps of stacking bandwidth with stacking ports and cables with minimum 2 switches in stack in addition to downlink, uplink</p> <p>The stacking capability will help various category of switches to inter-connect in the same access rack using backplane connectivity, Suggest you can add the stacking modules as per actual requirement in the BOQ. This will optimize the overall BoQ, shall</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
344.	Velocis	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC)			<p>We understand the BoQ mentions the overall lic. count for NAC solution is 3500. Requesting you to please specify the lic. count bifurcation for AAA, Profiling, Guest Access Mgmt/BYOD and Posture respectively.</p> <p>Request you to please confirm the exact count for licenses for AAA, Profiling, Guest Access Mgmt, posture etc.</p>	Clarification	Refer response given against the same query of other SI(s).
345.	Velocis	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 20	114	<p>The proposed NAC solution when deployed without an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access.</p>	<p>Requesting you to please amend the clause as "20. The proposed NAC solution when deployed with an agent must also be able to achieve enforcement of security policies by blocking, isolating, and repairing noncompliant machines in a quarantine area without needing administrator attention. Once the user's machine is remediated, the user's machine shall be redirected automatically to the assigned network segment for access to the Site resources and the services that they are granted access."</p> <p>The clause "without an agent" makes us non-compliant, please change this to "with an agent"</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
346.	Velocis	RFP Volume I - Section 16.3.2.11	Network Access Control (NAC) - Clause no. 21	114	21. The proposed NAC solution must be able to remotely install agents to corporate hosts without end-user interaction	<p>Requesting you to please amend the clause as "21. The proposed NAC solution must be able to remotely install agents to corporate hosts with end-user permission"</p> <p>Any changes in the end-user device i.e. without end-user permission remotely installing agent on the host is not recommended, requesting you to kindly amend the clause. The existing clause - "without end-user interaction makes us noncompliant", please change this to "with end-user permission"</p>	Clarification	Refer response given against the same query of other SI(s).
347.	Velocis	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause 2	126	Access Point must provide Kensington lock option for theft protection.	<p>Requesting you to please change the clause to "Access Point must provide Kensington lock / equivalent option for theft protection."</p> <p>This makes us non-compliant, please change it to "/equivalent"</p>	Clarification	Refer response given against the same query of other SI(s).
348.	Velocis	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause 7	126	Access point must have an additional USB port for future use.	<p>Requesting you to please remove this clause</p> <p>Not required, the AP has RJ45 management port for all required console login activities & troubleshooting. This makes us non-compliant, please delete this clause</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
349.	Velocis	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps - Clause 9	126	Must have at least 3 dBi Antenna gain on both 2.4 Ghz and 5Ghz	<p>Requesting you to please change the clause to "Must have at least 2 dBi Antenna gain on 2.4 Ghz and 4dBi Antenna gain 5Ghz"</p> <p>The overall EIRP with the AP transmit power and antenna gain makes it 22dBm and 24dBm on 2.4& 5Ghz respectively, so there's no impact on the required performance. It is over and above the required power, requesting to you please amend the antenna gain for us to comply to the requirement</p>	Clarification	Refer response given against the same query of other SI(s).
350.	Velocis	RFP Volume I - Section	Indoor AP Through put 450 Mbps - Clause 10	126	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	<p>Requesting you to please change the clause to "Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams"</p> <p>You have asked for a 2x2 MIMO Access Point, none of the APs with 2x2MIMO comes with 3 or 4 Spatial Streams, requesting you to change this to 2 Spatial Streams.</p>	Clarification	Refer response given against the same query of other SI(s).
351.	Velocis	RFP Volume I - Section 16.3.6	Single Sign-On Solution - Clause 1	157	Solution shall enable single sign on for: VPN connection, Gmail (on IIML domain), existing AD and Edu Roam login.	Requesting you to please confirm whether 'VPN' & 'Edu Roam Login' solution supports SAML 2.0 authentication protocol. Also, is it safe to assume that 'SSO for existing AD' means the identities are stored in AD. Please confirm/elaborate.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
352.	Velocis	RFP Volume I - Section 16.3.6	Single Sign-On Solution - Clause 1	157	Solution must support SSO for existing in-house/ COTS IIML applications.	Requesting you to please confirm whether existing in-house applications support SAML 2.0 authentication protocol, which is required to facilitate SSO behaviour.	Clarification	Refer response given against the same query of other SI(s).
353.	Velocis	RFP Volume I - Section 16.3.6	Single Sign-On Solution - Clause 46	161	Administrator must be able to generate all type of reports in pdf, csv and excel format.	Requesting you to please modify the point to "Administrator must be able to generate all type of reports in pdf, csv, Json or excel format." Most OEM solutions do not support all format of reporting Most OEM solutions do not support all format of reporting, kindly amend the clause to comply to the requirement.	Clarification	Refer response given against the same query of other SI(s).
354.	Velocis	RFP Volume I - Section 16.3.6	Single Sign-On Solution - Clause 59	162	SSO solution for 2000 users	Requesting you to please clarify the bifurcation of 2000 users for Faculty / Staff & Students Our lic. is based on the type of user, please share the bifurcation so that we can size the licenses accordingly, (For Ex. 1500 Students and 500 Faculty/Staff members), this will help us provide you the right mix. Of licenses (as per actual requirement)	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
355.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume II - Section 9.1	Pre-Qualification Eligibility Criteria & Compliance Sheet - Clause no. 8	33	<p>The Bidder should be an IT-solutions provider incorporated in India and should have implemented or in the process of implementation of similar project in the last five financial years as below:</p> <ul style="list-style-type: none"> • One System Integration project of minimum – INR 24 Crore or • Two System Integration projects of minimum – INR 18 Crores each or • Three System Integration projects of minimum – INR 12 Crores each <p>Similar Project means setting up Campus area networking, IT infrastructure and related security (NGFW/ equivalent, SSO) & monitoring system software (NMS, WLC, NAC) and its O&M phase.</p>	<p>Please change it to: One project of Rs12 Crores or Two projects of Rs 9 Crores each or 3 projects of Rs 6 crore each.</p> <p>This will allow experienced vendors to participate and offer best and competitive solution to the institution.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
356.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 2	153	Traffic ports as required: 2x1G RJ-45, 2x1G SFP Fiber Ports and 2x10G SFP+	Device should have enough number of Ports in order to cater current and future requirement. Suggested Clause: Traffic ports Supported: 8x1G RJ-45, 16x1G SFP Fiber Ports and 4x10G SFP+ (Without the Use of Breakout cable) (2x1G RJ-45, 2x1G SFP Fiber Ports and 2x10G SFP+ Populated from Day-1)	Clarification	No change.
357.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 3	153	<ul style="list-style-type: none"> Throughput: 5 Gbps HTTP Request Per Second: 600K Maximum L4 concurrent connections: 14M Compression Throughput: 1Gbps SSL/TLS TPS: 3K with RSA 2K and 2K with ECC, FIPS complied SSL/TLS Bulk Encryption: 1Gbps Memory: 8 GB 	FIPS standard is for US Federal Agencies. It is not relevant for Indian Organizations. Hence We request you to amend it. Suggested Clause: The proposed Appliance should be equipped with minimum Intel 12- core CPU. Memory: 32 GB, SSD and Dual Power Supply. Throughput: 10 Gbps Scalable to 40 Gbps HTTP/Layer 7 Request Per Second: 700K Maximum L4 concurrent connections: 40M SSL/TLS TPS: 10K with RSA 2K and 6K with ECC SSL/TLS Bulk Encryption: 10 Gbps	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
358.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 5	154	The solution must be able to handle OWASP Top 10 attacks and Application Layer Encryption	<p>Web application Firewall should Protect from known and unknown web application threats. It provides full security coverage out-of-the-box of OWASP Top-10 threats, including injections, cross-site scripting (XSS), cross-site request forgery (CSRF), broken authentication, leakage of sensitive information and session management. Application Layer Encryption is not relevant for WAF Application. Hence we Request you to Amend this Clause.</p> <p>Suggested Clause: The solution must be able to handle OWASP Top 10 attacks</p>	Corrigendum	Refer Corrigendum 1.
359.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 9	154	The proposed WAF must have Application layer encryption to support the encryption of credentials on real time to ensure the protection from credential based attack.	<p>Web application Firewall should Protect from known and unknown web application threats. It provides full security coverage out-of-the-box of OWASP Top-10 threats, including injections, cross-site scripting (XSS), cross-site request forgery (CSRF), broken authentication, leakage of sensitive information and session management. Application Layer Encryption is not relevant for WAF Solution. Hence we Request you to remove this Clause.</p> <p>Suggested Clause: Remove this Clause.</p>	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
360.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 11	154	Application Layer Encryption service which allows Application security solution to protect credentials and sensitive fields from compromise at the client/browser level.	Web application Firewall should Protect from known and unknown web application threats. It provides full security coverage out-of-the-box of OWASP Top-10 threats, including injections, cross-site scripting (XSS), cross-site request forgery (CSRF), broken authentication, leakage of sensitive information and session management. Application Layer Encryption is not relevant for WAF Solution. Hence we Request you to Amend this Clause. Suggested Clause: The Proposed WAF should Protect Application From Leaking Sensitive data such as in case of Server Errors. It should not send error page from server directly to the Client but should detect server error and send blank/Custom page to the Client.	Corrigendum	Refer Corrigendum 1.
361.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 17	155	Application Layer Encryption	Web application Firewall should Protect from known and unknown web application threats. It provides full security coverage out-of-the-box of OWASP Top-10 threats, including injections, cross-site scripting (XSS), cross-site request forgery (CSRF), broken authentication, leakage of sensitive information and session management. Application Layer Encryption is not relevant for WAF Solution. Hence we Request you to remove this Clause. Suggested Clause: Remove this Clause.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
362.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 22	157	Offered solution hardware or operating system should be EAL or NDPP (Network Device Protection Profile) certified under Common Criteria Program for security related functions.	PCI is Standard Compliance for the WAF solution and Functionality. Hence request you to Consider it. Suggested Offered solution hardware or operating system should be EAL or NDPP (Network Device Protection Profile) Program OR PCI Compliance. Clause:	Corrigendum	Refer Corrigendum 1.
363.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall - Clause No. 23	157	OEM should be profitable in last 3 years and same can be viewed in public domain.	Pre-Qualification Criteria Such as Customer Reference should be Asked inorder to Check if the procured Component is Deployed and Tested in Various Network and Departments. Suggested OEM should be profitable in last 3 years and same can be viewed in public domain OR OEM should have atleast 5 References in the Government / BFSI / PSU's in the Last 3 Years for the proposed Technology. Also, OEM should have OEM TAC in INDIA. Clause:	Clarification	No change.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
364.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall		New Clause Request	<p>VIRTUALIZATION:</p> <p>The proposed device should have Hypervisor Based Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources.</p> <p>Each Virtual Instance contains a complete and separated environment of the Following:</p> <p>a) Resources, b) Configurations, c) Management, d) OS</p> <p>The proposed device should support 5 Virtual Instance from Day 1 and support upto 10 Virtual Instances for future Scalability on the same hardware. The Proposed Device should NOT have Open Source/3rd party Network Functions. The proposed device should support standard VRRP (RFC - 2338) for High Availability purpose (no proprietary protocol).</p>	Clarification	No change
365.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.3	Web application firewall		New Clause Request	<p>Industry standard Certification should be Considered.</p> <p>The Proposed OEM should be present in Gartner's Leader Quadrant for ADC as per latest Published report.</p>	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
366.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.2.3		77	New Clause Request	<p>Link Load Balancer is asked in the RFP as a Solution requirement but the Technical Specifications for Link Load balancer is missing in the RFP. Hence we request you to include Specifications.</p> <p>OEM ELIGIBILITY CRITERIA:</p> <ol style="list-style-type: none"> 1. OEM should have OEM TAC in INDIA. 2. OEM should have atleast 5 References in the Government / BFSI / PSU's in the Last 3 Years for the proposed Technology. 3. The proposed OEM should be Parent Technology OEM only (Should not be Whitelabeled or Co-branding or 3rd Party Technology). 4. The Proposed OEM should be present in Gartner's Leader Quadrant for ADC as per latest Published report. <p>Technical Requirement:</p> <ol style="list-style-type: none"> 1. The proposed device should have both Inbound and Outbound Link Load Balancing capabilities. It should support Proximity that enables to determine which is the fastest path Available. It should also support 24/7 full-path transaction completion through it advanced application-aware full-path Health Monitoring module and automatically measures the real-time status of two-way routes between the network and the remote user or servers on the internet based on multiple parameters including latency, packetloss, Cost and load time of the link. 2. Traffic Ports: 8 x 10 GE, 12 x 1 GE SFP and 8 x 1 GE RJ45 without use of Break Out Cables. (8 x 	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
						<p>1 G RJ45, 4 x 10 G MM SFP+ populated From Day-1) Device L4 Throughput : 10 Gbps scalable to 40 Gbps." 3. The proposed Appliance should be equipped with minimum Intel 12-core CPU. Memory: 32 GB, SSD Storage and Dual Power Supply. 4. VIRTUALIZATION: The proposed device should have Hypervisor Based Virtualization feature that virtualizes the Device resources—including CPU, memory, network, and acceleration resources. Each Virtual Instance contains a complete and separated environment of the Following: a) Resources, b) Configurations, c) Management, d) Operating System</p> <p>The proposed device should support 5 Virtual Instance from Day 1 and support upto 10 Virtual Instances for future Scalability on the same hardware. The Proposed Device should NOT have Open Source/3rd party Network Functions. 5. The proposed device should support standard VRRP (RFC - 2338) for High Availability purpose (no proprietary protocol).</p>		



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
367.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 2	144	The appliance should support at least 8 * RJ-45 & 4 * 10G Gigabit ports and should be scalable to additional 4 * 10G plus, 2 * 40G ports if required in future.	<p>The Proposed Infrastructure is designed to be Supported by 10 Gig Interfaces. The Core Switch will manage the east west traffic across the network. If required in future additional 10 Gig ports can be provisioned for NGFW and 40 Gig ports can be provisioned for Core/Distribution Switch.</p> <p>The appliance should support atleast 10 * RJ-45 & 4 * 10G Gigabit ports and should be scalable to additional 8 * 10G Gigabit ports if required in future.</p>	Clarification	No change.
368.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 3	144	The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system.	<p>Security Features and performance will function equally well in multicore CPU architecture supporting 32 bit or 64 bit Operating System</p> <p>The appliance hardware should be a multicore CPU architecture and should support minimum 32 Core CPU and 16 GB of RAM</p>	Clarification	No change.
369.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 9	145	Firewall should have integrated redundant hot-swappable fan tray / modules	<p>hot-swappable fan tray / modules is not generic in most of the NGFW OEM</p> <p>Firewall should have integrated redundant fan modules (Removable)</p>	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
370.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 12	145	Firewall should support Nat66/NPTv6 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) , Nat46 (IPv4-to-IPv6) / IPV4 over IPV6 functionality.	NAT46 requirement is not generic Firewall should support Nat66/NPTv6 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) functionality (Kindly consider the suggested changes)	Clarification	No Change
371.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 18	145	Should support more than 10,000 (excluding custom signatures) IPS signatures or more. Should support capability to configure correlation rule where multiple rules/events can be combined together for better efficacy	Most the NGFW OEM support minimum value of required IPS Signatures Should support more than 5,000 (excluding custom signatures) IPS signatures or more.	Clarification	No Change
372.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 30	146	Should support custom Application signature to easily customize security to address new and specific threats and applications quickly	This is specific to particular OEM, Kindly dilute this Clause. This is specific to particular OEM, Kindly dilute this Clause.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
373.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.1	Next Generation Firewall 8 Gbps - Clause no. 42	147	The management platform must provide multiple report output types or formats, such as PDF, HTML, and CSV.	Reporting in CSV is not a generic format in most of the NGFW OEM The management platform must provide multiple report output types or formats, such as PDF/CSV/HTML etc.	Clarification	No Change
374.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.2	Next Generation Firewall 2 Gbps - Clause no. 12	150	Firewall should support Nat66/NPTv6 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) , Nat46 (IPv4-to-IPv6) / IPV4 over IPV6 functionality.	NAT46 requirement is not generic Firewall should support Nat66/NPTv6 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) functionality (Kindly consider the suggested changes)	Clarification	No Change
375.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.2	Next Generation Firewall 2 Gbps - Clause no. 18	150	Should support more than 10,000 (excluding custom signatures) IPS signatures or more. Should support capability to configure correlation rule where multiple rules/events can be combined together for better efficacy	Most the NGFW OEM support minimum value of IPS Signatures Should support more than 5,000 (excluding custom signatures) IPS signatures or more.	Clarification	No Change
376.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.2	Next Generation Firewall 2 Gbps - Clause no. 30	151	Should support custom Application signature to easily customize security to address new and specific threats and applications quickly	This is specific to particular OEM, Kindly dilute this Clause. This is specific to particular OEM, Kindly dilute this Clause.	Clarification	No change



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
377.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.5.2	Next Generation Firewall 2 Gbps - Clause no. 42	152	The management platform must provide multiple report output types or formats, such as PDF, HTML, and CSV.	Reporting in CSV is not a generic format in most of the NGFW OEM The management platform must provide multiple report output types or formats, such as PDF/CSV/HTML etc.	Clarification	No Change
378.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.1	General Specifications - Clause no. 9	88	All product should be supported by back-to-back support from OEM (wherever OEM is offering the same) for the entire duration of the project	All product should be supported by back-to-back support from OEM (wherever OEM has offering available for the same) for the entire duration of the project This will ensure that the bidder quote the OEM provided support wherever it is available.	Clarification	No change.
379.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.1	Core Switch Lucknow - Clause no. 41	91	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11/ EN 61000-3-11 & ROHS. Arista has certified against EN 61000-3-11 instead of EN 61000-4-11. Both are similar standards for electromagnetic emission.	Clarification	Equivalent of a specific clause/ condition shall be accepted
380.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause no. 40	94	The switch should be IPv6 ready logo certified from day 1	Arista has UGCv6 certification for this product. IPv6 logo certification is in process. https://www.iol.unh.edu/registry/usgv6?name=arista	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
381.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.2	Core Switch Noida - Clause no. 41	94	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11/ EN 61000-3-11 & ROHS. Arista has certified against EN 61000-3-11 instead of EN 61000-4-11. Both are similar standards for electromagnetic emission.	Clarification	Equivalent of a specific clause/ condition shall be accepted
382.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 40	97	The switch should be IPv6 ready logo certified from day 1	Arista has UGCv6 certification for this product. IPv6 logo certification is in process. https://www.iol.unh.edu/registry/usgv6?name=arista	Clarification	Refer Corrigendum 1.
383.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.3	Distribution Switch - Clause no. 41	97	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11 & ROHS.	Switch should support EN 60950-1, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 300 386, IEC/EN 61000-4-11/ EN 61000-3-11 & ROHS. Arista has certified against EN 61000-3-11 instead of EN 61000-4-11. Both are similar standards for electromagnetic emission.	Clarification	Equivalent of a specific clause/ condition shall be accepted



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
384.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.6	Access Switch - 48 port PoE + mGig - Clause no. 1	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 8 mGIG ports up to 5G with additional 2x10G SFP+ uplink ports Arista switch has only 8 ports providing 5Gbps. While all other ports are capable to support up to 2.5Gbps. So, please relax this clause.	Clarification	No change
385.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregate Throughput 5Gbps - Clause no. 9	120	Must support 4x4 MIMO or higher for both 5 Ghz and 2.4 GHz.	Must support 4x4 MIMO or higher for 5 Ghz and 2x2 for 2.4 GHz. majority of the clients are 1x1 and 2x2. Since 2.4GHz is congested, so more than 2x2 in 2.4GHz won't be of any benefit.	Clarification	Refer response given against the same query of other SI(s).
386.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregate Throughput 5Gbps - Clause no. 19	120	Must Support data rate up to 4.8 Gbps.	Must Support data rate up to 3 Gbps. 4x4 AP can't support 4.8 Gbps even theoretically. It can be a maximum of 3.6 Gbps only. please relax to 3Gbps as per specs suggested in clause 9.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
387.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.13	Indoor AP Aggregate Throughput 5Gbps - Clause no. 24	121	Must support 802.3af power source when required.	Must support 802.3af/at power source when required. All OEM require 802.3at power for full operations and all switches are with 802.3at support only.	Corrigendum	Refer Corrigendum 1.
388.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.15	Outdoor AP - Clause no. 4	124	Must have -95 dB or better Receiver Sensitivity.	Must have -93 dB or better Receiver Sensitivity. Arista AP supports -93 receiver sensitivity. Please relax this clause.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
389.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.15	Outdoor AP - Clause no. 7	124	Aggregate throughput of 1.3 Gbps	Aggregate throughput of 1.267 Gbps 1.267 is theoretical maximum with 2x2 wave and 80MHz channel width. Please reduce it by few point for compliance.	Clarification	Refer response given against the same query of other SI(s).
390.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450Mbps - Clause no. 2	126	Access Point must provide Kensington lock option for theft protection.	-- please remove this clause This is a low end device similar to Home AP and Mesh/repeater, which doesn't come with kensington lock. Please remove this clause as earlier discussed in meetings.	Clarification	Refer response given against the same query of other SI(s).



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
391.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450Mbps - Clause no. 10	126	Must support 2X2 multiple-input multiple-output (MIMO) with three/four spatial streams	Must support 2X2 multiple-input multiple-output (MIMO) with two spatial streams a 2x2 AP can not support more than 2 spatial streams. Please correct typo.	Clarification	Refer response given against the same query of other SI(s).
392.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450Mbps - Clause no. 26	127	Must be plenum-rated (UL2043).	-- please remove this clause This is a low end device similar to Home AP and Mesh/repeater, which doesn't come with such chassis. Please remove this clause as earlier discussed in meetings.	Clarification	This WAP is planned to be deployed in hostels with low population density.
393.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.17	Home AP 300Mbps - Clause no. 6	129	Must have -97 dB or better Receiver Sensitivity.	Must have -92 dB or better Receiver Sensitivity. Arista AP supports -92 receiver sensitivity. Please relax this clause.	Corrigendum	Refer Corrigendum 1.



Response to Pre-bid Queries
IIML Network Infrastructure Upgrade Project

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
394.	Convergent Wireless Communications Pvt. Ltd.	RFP Volume I - Section 16.3.2.18	IndoorAP /Mesh/Repeater Clause no. 6	131	Must have -97 dB or better Receiver Sensitivity.	Must have -95 dB or better Receiver Sensitivity. Arista AP supports -95 receiver sensitivity. Please relax this clause.	Clarification	Refer response given against the same query of other SI(s).

*** END OF DOCUMENT ***