Indian Institute of Management (IIM)

Lucknow

Request for Proposal

for

Network Infrastructure Upgrade Project

Corrigendum – 2

&

Response to additional pre-bid queries

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Corrigendum - 2
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 3.	RFP Issuing Authority	10	Email : cao@iiml.ac.in	Email :purchase@iiml.ac.in (For all future correspondence)
2.	RFP Volume I • Section 16.3.2.1	Core Switch Lucknow, Clause no 24	90	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.
		Core Switch Lucknow, Clause no 31	91	The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication	The switch should support flexible & multiple authentication mechanisms, including 802.1X/Radius & TACACS+, MAC authentication
3.	RFP Volume I • Section 16.3.2.2	Core Switch Noida, Clause no 24	93	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.
		Core Switch Noida, Clause no 29	94	The switch should support DHCP snooping to prevent malicious users	The switch should support DHCP snooping/equivalent to prevent

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
				from spoofing a DHCP server and sending out rough addresses.	malicious users from spoofing a DHCP server and sending out rough addresses.
		Core Switch Noida, Clause no 31	94	The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication	The switch should support flexible & multiple authentication mechanisms, including 802.1X/Radius & TACACS+, MAC authentication
4.	RFP Volume I • Section 16.3.2.3	Distribution Switch, Clause no 24	96	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.
		Distribution Switch, Clause no 31	97	The switch should support flexible & multiple authentication mechanism, including 802.1X, MAC authentication	The switch should support flexible & multiple authentication mechanisms, including 802.1X/Radius & TACACS+, MAC authentication
5.	RFP Volume I • Section 16.3.2.4 • Section 16.3.2.5	• Access Switch -48 port, Clause no 13 • Access Switch -48 port PoE +, Clause no 12	-	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 PCI Compliant

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
	• Section 16.3.2.6 • Section 16.3.2.7 • Section 16.3.2.8 Section 16.3.2.9	• Access Switch -48 port PoE + mGig, Clause no 12 • Access Switch -24 port, Clause no 12 • Access Switch -24 port PoE +, Clause no 12 • Access Switch -24 port PoE + mGig, Clause no 11			
6.	RFP Volume I, Section 16.3.5.2.	Security Components/ Next Generation Firewall 2 Gbps/ Clause no. 3 and 4	149	The proposed solution should not 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.
7.	RFP Volume I, Section 16.3.2.15.	Outdoor AP - Aggregate Throughput - 1.3 Gbps 2x2/ Higher, Clause no 4	124	Must have -95 dB or better Receiver Sensitivity.	Must have -93 dB or better Receiver Sensitivity.

S. No.	RFP Reference	Section/Sub Section/Clause	Page No.	Before	After
8.	• RFP Volume I - Section 16.3.2.16 • Corrigendum I – S. No. 39	Indoor AP Throughput 450Mbps, Clause no 2	126	Access Point must provide Kensington lock/ equivalent option for theft protection.	Deleted
9.	RFP Volume I, Section 16.3.2.16.	Indoor AP Throughput 450Mbps, Clause no. 26	127	Must be plenum-rated (UL2043).	Deleted
10.	Price Bid Template	BOQ – Active Components – Line Item no. 1.18	-	Indoor Access Points 450 Mbps 4X4	Indoor Access Points 450 Mbps 2X2
11.	Price Bid Template	BOQ – Active Components – Line Item no. 2.14	-	Indoor Access Points 450 Mbps 4X4	Indoor Access Points 450 Mbps 2X2

2 Response to additional Pre-Bid Queries

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
1.	Orbit	RFP Volume I – Section 16.3.2.1	Core Switch Lucknow, Clause no 24	91	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	Every OEM uses different technology for software define networking like REST APIs. Request you to change the clause as below so that leading OEMs can participate: - The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.	Corrigendum	Refer Corrigendum 2.
2.	Orbit	RFP Volume I – Section 16.3.2.2	Core Switch Lucknow, Clause no 31	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 mechanisms, including 802.1X/Radius & TACACS+, MAC authentication	Corrigendum	Refer Corrigendum 2.

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
3.	Orbit	RFP Volume I - Section 16.3.2.2	Core Switch Noida, Clause no 2	92	The switch shall have 24 x 1/10 GE SFP/SFP+ SM slots from day 1 and support/compatible port/slot speed.	Need clarification: - Does bidder has to populate 12 x 25G SM module from day one in Noida core switch	Clarification	Yes. Bidder has to populate 12 x 25G SM module from day one in Noida core switch
4.	Orbit	RFP Volume I – Section 16.3.2.2	Core Switch Noida, Clause no 24	93	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	Every OEM uses different technology for software define networking like REST APIs. Request you to change the clause as below so that leading OEMs can participate: - The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.	Corrigendum	Refer Corrigendum 2.
5.	Orbit	RFP Volume I – Section 16.3.2.2	Core Switch Noida, Clause no 29	94	The switch should support DHCP snooping to prevent malicious users from spoofing a DHCP server and sending out rough addresses.	As mentioned in the core switch Lucknow. Request you to add equivalent technology since every OEM uses multiple ways to achieve DHCP snooping. Kindly change the clause as: - The switch should support DHCP snooping to prevent malicious users from spoofing a DHCP server and sending out rough addresses.	Corrigendum	Refer Corrigendum 2.
6.	Orbit	RFP Volume I –	Core Switch Noida,	94	The switch should support flexible & multiple authentication	802.1x and Mac Auth is used for end user authentication. At core/distribution such protocols will never get used. At core layer,	Corrigendum	Refer Corrigendum 2.

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
		Section 16.3.2.2	Clause no 31		mechanism, including 802.1X, MAC authentication	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 mechanisms, including 802.1X/Radius & TACACS+, MAC authentication		
7.	Orbit	RFP Volume I – Section 16.3.2.3	Distribution Switch, Clause no 24	96	The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF from day one.	Every OEM uses different technology for software define networking like REST APIs. Request you to change the clause as below so that leading OEMs can participate: - The switch should support routing protocols such as BGPv4, IS-ISv4 or equivalent & Open flow 1.3/NETCONF/ RESTCONF/REST APIs or equivalent from day one.	Corrigendum	Refer Corrigendum 2.
8.	Orbit	RFP Volume I – Section 16.3.2.3	Distribution Switch, Clause no 31	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.	Corrigendum	Refer Corrigendum 2.

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
						Kindly change the clause as: - The switch should support flexible & multiple authentication mechanisms, including 802.1X/Radius & TACACS+, MAC authentication		
9.	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	Switch should have minimum 24 mGiG ports up to 5G with additional as per the industry standard 24 port switch with all ports should be of mGig. Request you to change it to: - Switch should have minimum 24 Mgig ports up to 5G with additional 2x10G SFP+ uplink ports SFP+ uplink ports	Clarification	No change
10.	Orbit	RFP Volume I - Section 16.3.2.16	Indoor AP Through put 450 Mbps	-	Referring the BOQ shared along with RFP, it is mentioned that Indoor Access Points 450 Mbps 4X4 but referring the RFP specs, 2x2 MIMO has been asked.	Need clarification: - For Indoor AP 450, 2x2:2 MIMO is required.	Corrigendum	Refer Corrigendum 2.
11.	Niveshan Technologies India Pvt. Ltd.	RFP Volume I - Section 16.3.5.2	Next generation firewall 2Gbps – Clause no 4	148	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.	Clause has been deleted for 16.3.5.1. Next Generation Firewall 8 Gbps. The same is applicable for Noida based Firewall also. Please give the clarification for same to avoid any ambiguity.	Corrigendum	Refer Corrigendum 2.

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
12.	ODYSSEY COMPUTER	RFP Volume I – Section 16.3.2.6	Access Switch - 48 port PoE + mGig – Clause no 12	104	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 PCI compliant. The same has been accepted in firewall clause no-22 at Pg-15 of corrigendum. Should be acceptable in access switch as this being a edge layer device to connect endpoints. Please accept PCI in this category.	Corrigendum	Refer Corrigendum 2.
13.	ODYSSEY COMPUTER	RFP Volume I – Section 16.3.2.9	Access Switch 24 Port PoE+ mGig – Clause no 11	108	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 PCI compliant The same has been accepted in firewall clause no-22 at Pg-15 of corrigendum. Should be acceptable in access switch as this being a edge layer device to connect endpoints. Please accept PCI in this category.	Corrigendum	Refer Corrigendum 2.
14.	Convergent Wireless	RFP Volume I – Section 16.3.2.6	Access Switch - 48 port	101	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 12 mGIG ports up to 5G	Switch should have minimum 48 nos. 1G copper full POE+ ports with min. 8 mGIG	Clarification	No change

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
			PoE + mGig		with additional 2x10G SFP+ uplink ports	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. The APs are asked with at most 2.5Gbps uplink, so there won't be any requirement of 5Gbps ports. So, please reduce mGig ports from 12 nos to 8 nos. for wider participation.		
15.	Convergent Wireless	RFP Volume I – Section 16.3.2.15	Outdoor AP - Aggregate Throughput - 1.3 Gbps 2x2/ Higher		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. please relax this clause marginally for wider participation	Corrigendum	Refer Corrigendum 2.
16.	Convergent Wireless	RFP Volume I – Section 16.3.2.16	Indoor AP Throughput 450Mbps		Access Point must provide Kensington lock/ equivalent option for theft protection.	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. Please remove this clause as there is no equivalent industry standard for this lock. Such lock requires very rugged internal	Corrigendum	Refer Corrigendum 2.

S. No	Company Name	RFP Reference	Clause	Page No	RFP terms	Change request	Action	Clarification/ Correction
						steal chassis which is not available with low end APs.		
17.	Convergent Wireless	RFP Volume I – Section 16.3.2.16	Indoor AP Through put 450Mbps	127	Must be plenum-rated (UL2043).	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. This is not a performance parameter. Please remove this clause for wider participation.	Corrigendum	Refer Corrigendum 2.

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