

NATIONAL INFORMATION TECHNOLOGY BOARD (NITB)

"IT Infrastructure Procurement & Installation" Against the Project Titled "President Initiative for Cyber Efficient Parliament" (PICEP)

Response to Vendor Queries

PREMIER SYSTEMS

Company Name	S.No	RFP CLAUSE REF.	Queries By Bidder	Response by NITB
	1	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Please confirm the 42U Data Cabinets are with Glass Doors? Both Front and Back? ii)Perforated Doors are used for Cooling purposes. iii)How many PDUs are required per Cabinet?	Front Door can be Glass/Mesh . Minimum 8 Sockets required Refer Page 48 and point 9
	2	Annexure J – Detailed Technical Specifications of Items/Equipment	Does this system include VESDA?	Fire Alarm & fire Suppression System is required. Please Refer to Page No. 51 and Point 28.
	3	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Only Biometric Reader is required? RFID functionality is not required? ii)Access Control System required must be Controller-based or controller-less standalone reader?	As per RFP only Biometric is required however RFID will be a value added Service. System required to control the access control system. Refer to Page No. 52 and Point 29.
	4	Annexure J – Detailed Technical Specifications of Items/Equipment	i)What is the Number of Days the recording is required for? ii)Is the recording continuous or event based?	Recording Continuous based with 1TB Storage . Please Refer to Page No. 52 and Point 30.
	5		i)For Indoor Installation, Dome Cameras are recommended for better coverage, kindly revise or allow.	As per RFP , 4 Bullet cameras are required per single site (Senate & NA) which fulfills the requirements .Refer to Page No. 52 and Point 30.
	6	Annexure J – Detailed Technical Specifications of Items/Equipment	i) What is the Heat Load that needs to be catered? ii) CRAC Units are designed at 45degC, and not 50degC, please share the required rating required at 50degC.	Heat Load required to cater Server room area 700 Square Feet Approx. CRAC Units remains same i.e. 50 degC as per RFP
	7	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Required units are comfort cooling units or precision cooling units? ii)Comfort Cooling Units are designed for 45degC ambient temperature, and not 50degC, please share the required rating required at 50degC. iii)Comfort Cooling Units are for 8hrs operation maximum, and not 24x7 operation as precision cooling units, kindly clarify which is required?	Precision cooling units required and ambient Temperature remains same i.e. 50 degC as per RFP Page 52 point 31
	8	Annexure J – Detailed Technical Specifications of Items/Equipment	i) What is the Backup Runtime required? ii) Are these UPS required is Parallel Configuration? iii) kindly clarify "internal / external O/P Isolation transformer"	Refer to Page No. 52 and Point 33. i) Standard Minutes backup time on 75% load. Overloading capacity 125% for 10 minutes and 150% for 01 minute. ii) Yes Parallel Redundant iii) Internal / external = Batteries O/P Isolation transformer required for the protection
	9	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Kindly clarify the Upstream and Downstream Distribution required?	Yes, Both "Source and Distribution" are part of the work scope as per RFP.
	10		i)Generator is not included in scope?	Not in scope
			i)ATS and AVR is not included in scope?	Not in scope
			i)Racks and PDUs is not included in scope?	Already included in scope. Please Refer to page 48 Point No. 9/10/11
			i)DCIM/EMS not included in scope?	Please refer RFP Page 51 point No 28
			i)Lighting and Fixtures not included in scope?	Electrical Wiring & light Fittings in scope Ref. 34 on Page 53
			i)Paint is not included in scope?	Passive Work is responsibility of Bidder Ref Page 27
			i)Fire Doors are not included in scope?	Passive Work is responsibility of Bidder Ref Page 27
			i)Civil Works or Dismantling Work not included in scope?	Passive Work is responsibility of Bidder Ref Page 27
			i)Flooring is not included in the scope?	Passive Work is responsibility of Bidder Ref Page 27
			i)Cable Trays/Ladders & conduits are not included in scope?	Passive Work is responsibility of Bidder Ref Page 27
			i)NOC Solution is not included in scope?	NOC Solution is included. Please Refer to Page No. 53 and Point 36.
			i)Videowall is not included in scope?	Not in scope
	11	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Please mention Windows Server edition specifically (Standard or Datacenter) as well as how may physical Cores required per license	Standard edition. Please Refer to Page No. 55 and Point 45.
	12	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Please mention vSphere edition (Standard or Enterprise Plus)	Enterprise Plus
	13	Annexure J – Detailed Technical Specifications of Items/Equipment	i)Please mention either VM based licenses required or Volume Based licenses	Core based as per RFP
	14	Annexure J – Detailed Technical Specifications of Items/Equipment	Network Port! i)As per the storage specification Servers should have too 10G Base-T Ports ?? DVD-RW! i)Can we quote external DVD-RW ?	Minimum Requirement is 1G but higher can be proposed DVD-RW! Yes (Must be Plug and Play). Please Refer to Page No. 53 and Point 38.
	15	Annexure J – Detailed Technical Specifications of Items/Equipment	HDD: 4 x 860Gb .HDDs are not available in 860GB. So can we quote higher and which SAS, SATA, SSD's , M2 or NVMe	Yes , Next Higher can be Quoted (NITB May Consider)
	16	Annexure J – Detailed Technical Specifications of Items/Equipment	i)It should be 10G Base-T Switch. Not SAN Switch. SAN Switch is totally Fiber based. Kindly confirm	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
	17	Annexure J	i)Type of cable is not specified i.e Direct buried/Duct type, please also explain the BoQ shared in RFP is final or quantities/types can be changed as per survey.	This is internal Wiring Duct type and Quantity should be considered final as per RFP
	18	Annexure J	Access points quantities are mentioned in BoQ , heat map is required for quantity estimation , please provide concerned building maps for heat map estimation or we can assume the quantities mentioned in RFP BoQ are final.	Total Qty AP already mentioned. Please refer RFP Page number 32
	19	Annexure J	i)SFP type & Quantities are not mentioned in BoQ , single mode Cable is asked in RFP , we assume singlemode SFPs required for switches, please also clarify which type of SFPLX(1G) or LR(10G) is required, please also confirm the quantity should be on the basis of survey or on the basis of total SFP ports of offered switches.	As per switch capacity
	20	Annexure J	Forwarding speed is mentioned in Mbps which is usually mentioned in Mpps. Kindly confirm the same.	Yes, its Mpps
	21	Annexure J	Kindly provide detail of devices you want NMS to Manage and Monitor?	NMS must support devices which support SNMP,WMI and other well known protocols . Minimum Devices 100.Please refer RFP Page No 50 Point No.25
	22	Annexure J	Will Access points be powered using switch POE or separate power adapter is required?	POE is mandatory and Adapter will be considered as value added Service

23	Annexure J	You have mentioned only WLAN controller which is single point of failure. Will you go with a single WLAN Controller or you two to avoid single point of failure.	Quantity will remain same as per RFP
24	Layer 3 Switch	It is requested to include Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 sFlow,telemetry for network analysis 30K MAC,8K IPv4 Routes,8K ARP enteries Add Dual power supplies (1+1) Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
25	48-Port Layer-2 Manageable Ne	It is requested to include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
26	24 Port POE Switch	It is requested to include Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.
27	24 Port Layer 2 Manageable Net	It is requested to add Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
28	12 Port layer-2 Manageable Network Switch	You're requested to include Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
29	12 Port layer-2 POE Manageable	You're requested to include Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
30	Access Points	The AP should support Operating temperature: -10°C ~ +50°C The AP should support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications. The AP should support application Traffic statistics: globally, by SSID, or by user. The AP should support load balancing during smart roaming. The AP should support smart roaming. The AP should support dual-link backup. Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
31	Wireless LAN Controller with So	The AC should support manage 256 APs. The AC should support 4K users. The AC should provide 6Gbps forwarding performance. The AC should have at least eight 1GE Ethernet interface The AC should support the antivirus function. The AC should support intrusion prevention, detection, and termination of intrusion behaviors. (including buffer overflow attacks, Trojan horses, and worms) The AC and AP should be upgraded independently. In dual-AC redundancy mode, services are not interrupted during the upgrade. it is requested to mention AP licence (116) as per actual Suggested to have 2x QTY for redundancy Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications and Quantities are according to our requirements. However, Solution with better features can be proposed.
32	Network Monitoring Software	It is requested to mention device license as per actual (157)	Minimum 100 Devices license are required. Please refer RFP Page no.50 point 25
33		RFP is designed on old / outdated specifications / features.	
34		This seems a new installation so why using 1G SFP uplinks (Fiber) for connectivity as it won't provide investment protection. 10G Fiber and 10G SFP+ switches should be asked and based on current requirement 1G SFP can be procured.	
35		Wireless Access Points requested are on WiFi5 standard but requirements are tailored in such a way that higher AP can be quoted but why not asking for WiFi6 AP.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
36		In RFP POE switches are requested but this will also be an issue for connecting any POE+ rated device.	

New Horizon

37	Storage Area Network	It is requested to include and change storage to All- Flash Storage with Dual Active-Active Controller for better performance and reliability. Controller Cache should be mentioned as Min. 96GB or More per Controller Cache. Should include at least 2 x 4 x 10GE ports, and 2 x 4 x 16Gbps FC ports for replication in SAN fully activated with SFP's. Raw or Useable Capacity with Min. Raid-5 or 6 configuration should be mentioned. Shall include the proposed SAN should be listed in the Leaders quadrant of Gartner's Magic Quadrant for main storage. A screenshot of Gartner's Magic Quadrant in 2021 should be required.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
38	SAN Switch	You're requested to include Dual Min. 16Gbps FC SAN Switches should be quoted for Proposed SAN Model Min. 48 Ports Active along with SFPs Installation, testing and commissioning. It is requested to confirm uplink port requirement for SAN switch which will be used to connect to the network. Current Network part does not have 10G ports availability. Suggest to have 10G core switch at the network layer to which FC SAN Switches will be connected.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
39	Server	<ul style="list-style-type: none"> In Rack Servers, only 4 x 1Gbps Ethernet ports mentioned per server. Whereas in storage and TOR switch they have asked 10GBase-T ports. Please confirm whether they need 10G ports in servers or not. Also it is suggested to use 10G SFP+ ports in servers and storage along with 10G SFP+ TOR switch instead of 10GBase-T. You're requested to confirm if they need 8G/16G FC ports in servers and storage along with Fiber channel FC Switch. For storages they haven't mentioned required cache per controller, please clarify. You're requested to confirm if they need SAN Or NAS or both (Unified Storage). 	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
40	Data Cabinet 42U	i) It is OEM specific requirement. Change is required solution can be quote as per OEM solution	Specification in RFP will remain same.
41	In Row/Row based Air Conditioning Unit (CRAC)	<ul style="list-style-type: none"> i) Humidification is missing and need add. ii) Builtin dual power supply module missing and need to add for reliable solution iii) 50 Degree ambient is too high for Islamabad city. It is possible to change 45 C for efficient solution. iv). Display and monitoring requirement is missing. It is needed to add coloured touch screen , with complete monitoring of all features and both power inputs separately. 	Specifications and requirements will remain same as per RFP.
42	UPS 30 KVA	It is OEM specific requirement. Also don't require this item in latest UPS, specifically in Islamabad. Change is required solution can be quote as per OEM solution	Specification in RFP are based on our requirements.
43	Sr. 34	Kindly specify the number of power points along with the power sockets. Number of point on normal supply and UPS power points quantity is required.	It is a complete Job of Server Room, bidder can Quote as per actual design propose .
44	Sr. 35	Exact quantity of earth pits is required, or it is up to vendor to propose solution.	It is up to vendor proposed solution
45	Sr. 41	Kindly share detailed specs are required for the iPad/Tablets/Laptops.	Tablets along with stands (Please refer RFP page 54 point no 42) would be preferred, with minimum specifications that may include 6Gb RAM, 128Gb ROM
46	Sr. 43	Kindly share the standard for power sockets and power cable. This is an extensive requirement for equal competition please cable and power socket details.	It is a complete Job for Server Room, for power sockets and power cables industry best practice will be preferred.
47		<ul style="list-style-type: none"> i) Please clarify the main power is available at new server room of National assembly ii) scope of work contain only Lighting & wiring of new server room as 01 JOB). iii) Also location of NOC room for new server room required. 	<ul style="list-style-type: none"> i) Power source will be provided. ii) It is a complete Job for Server Room, Any type of work which need to complete the Job i.e. Cabling, Ducting, Civil work etc. iii) Server room and NOC will be on the same premises
48		Earth bore Location for new sever room not identified.(required for proper earth cable estimation from borehole to server room Earth bus bar)	As per Actual
49		New server room for senate completed , please clarify the passive items(cooling units, Lighting & wiring, comfort AC's, CCTV & Access control) need to deliver or not?	All Equipment needs to be deliver as per RFP .
50		CAD Drawings required for National assembly, senate and MOPA.(Detailed survey required)	Due to Security Concerns Building Layout not possible. Site Survey already Performed by Bidders as per scheduled date on 4th January 2023 Refer Annexure A – RFP Schedule page number 35
51		Cabinet block Main power is not available to feed the new server rack.	Power Source will be provided but Bidder will ensure the complete installation and commissioning
52		MOPA R block survey required.	Due to Security Concern permissions may get delayed and entertain as per availability
53		Detail of infrastructure with drawings and laying in conduits/trays etc.	Due to Security Concerns Building Layout not possible. Site Survey already performed by Bidders as per scheduled date on 4th January 2023 Refer Annexure A – RFP Schedule page number 35.
54		Laying of fiber in trench/tray or ariel etc.	Within building, ducting / tray
55		UTP cat6A patch cord size.	Already Mentioned 3Meter. Please refer RFP Page 48 Point 8
56		Purpose of QR scanner, QR printer, Medium & A3 size printer detail.	End User requirement for Parliamentary operations and proceeding
57		Library management system detail.	Computer Desktop in scope as per given specification. Please refer RFP Page number 58 Point 61

58		You're requested to confirm which specific license do need such as VMware VCF, vCloud, vSAN, vSphere, NSX-T. Now VMware licensing model has been changed physical CPU to Cores base so, please confirm how many cores in the servers.	Enterprise Plus, Refer RFP Page Number 55 point 47	
59		It is requested to confirm the quantity of virtual machines for backup and which edition he wants such as Veeam Availability Suite, Backup & Replication, Essential Kit.	Essential Kit .	
60	Sr. 64, 65, 66	Kindly specify the bandwidth for wireless connectivity. Additionally, connectivity required on licensed or unlicensed brand. Kindly clarify.	1G Bandwidth with unlicensed band	
61	Sr. 67	Kindly clarify whether the connectivity is required on redundant Fiber in ring. Is it a CIR requirement, please clarify.	Yes it is CIR , Redundant not in scope	
62	Partner Presence/Credibility	Financial Capability: The Bidder shall submit financial turnover statements having at least 1 billion turnover each year for the last 03 years [e.g., three years] prior to bid submission deadline, demonstrating the current soundness of the Bidder's financial position. (Financial Audited Statement/Bank Statement to be provided as evidence of last three fiscal years).	Terms will remain same as per RFP. Please refer RFP Page Number 29 point 15 (Evaluation Process)	
		The bidder must be in relevant business for at least ten (10) years		
		The Bidder must have at least 03 relevant nature of projects of the same size and value.		
		The bidder must have a Project Manager on its payroll, having at least 15 years of education with minimum 10 years of experience		
		The bidder must have five (3) certified Network technical resources on Company Payroll for quoted OEM Network solution		
		The bidder must have five (5) certified technical resources on Company Payroll for quoted OEM storage solution		
		The bidder must have five (2) OEM certified DCF technical resources on Company Payroll for quoted OEM solution		
	OEM/Brand Presence	The bidder must be authorized services partner of the OEM		NITB May consider
		The bidder must provide OEM letter of authorization, specific for this project		
		The OEM must have offices in Karachi, Islamabad and Lahore.		
	The OEM must have depots in Karachi, Islamabad and Lahore.			
	The OEM must have in-country presence (office and depots) for the past 10 years.			
	The OEM must have registered with SECP and FBR for the past 10 years.			
Tech Access	63	With Current Economic Situation - please minimize the bid validity to 90 days.	As per RFP 180 Days validity : Ref Page No. 20	
	64	As LC approval & Swift generation takes time that's why requesting you to please extend the delivery timelines for Hardware to 10 Weeks after LC Approval & Swift Generation.	As per RFP Ref Page 13, Annexure B, the vendor will provide the project delivery timelines in its proposal. However, total duration of all deliverables is 12 months.	
	65	As IT Sector is suffering due to currency fluctuations therefore requesting you to please allow bidders to Quote in USD with the clause of Dollar Rate of date of Payment or devise the wayout to mitigate the loss in case of currency fluctuations and late delivery.	As per RFP PKR Currency allowed : Ref Page No : 19 (6.6 Bid Currencies)	
	66	As majority of IT Firms don't have expertise in all BOM that's why requesting to please make the tender LOT Wise or at least make a separate LOT for "Servers, Security & Storage" & Software's for fair and healthy competition.	Partial Bidding not allowed. Please Refer Page No : 18 (6.3 Technical Proposal)	
	67	Bank Guarantee in case of Software shall not be applicable so requesting you to remove this clause from RFP.	Bank Guarantee is mandatory against complete project Bid. Please Refer RFP Page No 17 Point No. 6.2 Bid Security.	
	68	Revise the payment terms for Hardware and Software.	Payment terms will remain same as per RFP Please refer Page No : 18 (6.5 Payment Terms / Schedule)	
	69	Installation and deployment for Hardware and Software is required or not? If yes, then share deployment locations.	Refer Deliverables. Please Refer RFP Page No : 5	
70	Page No. 6, BID Validity 180 Days.	BID validity should not be more than 60 days.	As per RFP 180 Days validity : Ref Page No. 20	
71	Page No. 13 , 2.6.1 Timelines of Project Total duration of the project (All Deliverables) is 12 months.	The given time is suitable but all timelines must start from date of establishment of Letter of Credit to the respective bidder.	As per RFP Ref Page 13, Annexure B, the vendor will provide the project delivery timelines in its proposal. However, total duration of all deliverables is 12 months.	
72	Page No. 13 , 2.6.3 Technology Transfer The Bidder will be bound to deliver complete technology and to provide a running development environment. The Bidder shall be bound to provide three (03) years warranty of the installed equipment and onsite support & Maintenance services for one (01) year after obtaining provisional acceptance certificate.	Please elaborate this point in detail Do you need onsite Resident Engineer? Normally equipment carries three-years warranty with onsite support. Please incorporate SLA for NBD Support	Onsite support and Maintenance is the responsibility of bidder for One Year. SLA may be considered after one year completion of support which is not scope at this level	
73	3. Drawing & Design Architecture The Proposed Drawing and Design architecture High Level Diagram (HLD) and low-level diagrams (LLD) in-line with the needs of the National Assembly, MoPA and Senate, along with asset tagging to be provided in hard copy & soft copy	LLD and HLD cannot be provided without proper survey	It's a complete independent solution according to the design provided by Bidder.	

Mega Plus

74	<p>3.8 Security Audit of Hardware and allied software components.</p> <p>After deployment of the final & tested Installation and commissioning of the Equipment, the contractor shall hire services of the reputed third party in consultation with NITB to carry out the hardware and related software testing, and security audit of the deployed IT Infrastructure, Servers and Applications to identify the vulnerabilities and the report will be submitted to NITB. The Bidder shall compliance the reports if any vulnerabilities are identified by the third-party audit firm and resubmit the final audit report for a reassessment of vulnerabilities (Annexure K).</p> <p>Moreover, any proposed/provided item whose clearance is not confirmed to NITB by NTISB (National Telecommunication & Information Technology Security Board), the qualified vendor shall be bound to replace that item with compliance to NTISB with same or higher specifications.</p>	<p>What is the SCOPE of audit firm? The TORs and BoQ does not include Information and Cyber Security In addition, there is hardly any OEM who has been given clearance certificate by NTISB. NTISB never checks the technology, they always ask submission sample of the exact equipment to be supplied to Government organizations. Please advise should vendor quote additional device for submission to NTISB?</p>	<p>Security Audit clearly elaborate in RFP clause 3.8 Page 16.</p>
75	<p>6.3 Technical Proposal Bidders are required to submit the technical proposal stating a brief description of the bidder's organization outlining their recent experience, the names of professional staff who participates during the assignment, solution offered with feature set, the technical approach, sample emplates/prototypes of deliverables, methodology, detailed work plan / work breakdown structure, organization and staffing, workable suggestions that could improve the quality and effectiveness of the assignment. Submittal requirements for information can be found in subsequent section. This is a Turnkey solution and partial bidding is not allowed. Refer Annexure B – Submittal Requirements for Technical Proposal.</p> <p>Any other technical and/or sales and marketing materials provided separately by the bidder shall not be considered as part of the proposal. Such additional materials may be provided as a part of annexures</p>	<p>Please allow JV to fulfill requirement as per RFP, since no one can 100% comply to turnkey solution. Even main players of IT Industry have certain set of portfolio, this discourages the competition. NITB has given requirements for TIER 1/ GOLD status with OEM.</p>	<p>It is Turnkey solution Bidder is responsible to manage all, Partial Bidding / JV not allowed. Please Refer Page No : 18 (6.3 Technical Proposal)</p>
76	<p>10. Scope of Work (Page No 27) The scope of work consists of Supply, Installation, Commissioning, Configuration, Integration & Testing and Training mentioned as per Annex-J Dismantling of existing equipment would be the responsibility of the bidder without disruption of National Assembly/Senate Sessions if Required</p>	<p>As per Pre-bid meeting , New infrastructure will be install and but reference to clause no 10, there is also mentioned dismantling of existing equipment, Can you please share the install base hardware details as this is also require to integrate with already installed setup</p>	<p>It's a complete independent solution according to the design provided by Bidder. However integration may be carried out if required</p>
77	<p>13. Trainings (RFP Page No 28) The bidder will be responsible for the Free of cost (FOC) trainings and certifications (voucher where applicable) of the employees in the areas of implementation, operations, management, error handling, network and system administration of in-scope solutions as per following.</p>	<p>Refer to clause , Training & certification are asked, can you please clarify the exact the nominated person to whom training & certification require as this will also put impact on financial proposal</p>	<p>Trainings are FOC and responsibility of Bidder. Please refer Page 28 point 13 for training staff</p>
78	<p>15. Evaluation Process (Page No 29) SN. 1. Bidder is a registered/incorporated company in Pakistan with SECP at least for the last 03 years</p>	<p>Please change it to "Bidder must be registered with SECP Or firm of registrar and have valid NTN and GST. Kindly note that only PVT.LTD and Public Limited companies are registered with SECP whereas limited partnership type companies have their incorporation with firm of registrar either with Capital of provincial authorities.</p>	<p>Terms will remain same as per RFP. Please refer page no 29 clause 15.1</p>
79	<p>15. Evaluation Process (Page No 29) SN. 1. Audited financial statement duly Signed and Stamped by bidder to demonstrate that the bidder had minimum an average annual turnover of PKR 200 million of past (05) financial years between 1st July, 2017 and 30th June, 2022.</p>	<p>The average Annual turnover should be at least PKR 2 Billion of last 3 years</p>	<p>Terms will remain same as per RFP. Please refer page no 29 clause 15.1</p>
80	<p>12.9" iPad/Tablets/Laptops (Page No 33)</p>	<p>Kindly share the detailed specification</p>	<p>Tablets along with stands (Please refer RFP page 54 point no 42) would be preferred, with minimum specifications that may include 6Gb RAM, 128Gb ROM.</p>
81	<p>(Page No 60) Internet Bandwidth/ 40 Mbps</p>	<p>Can you clarify its duration as its mentioned in page no 60 that PICEP requires 40MB internet for 6 month? In addition, it is highly recommended that all connectivity requirements should be dealt separately. All connectivities should be provided by ISPs directly and vendor can never have control on them. ISPs do their homework for feasibility and the biggest challenge is approval for Right of Way by CDA</p>	<p>As per RFP Page 60 point 67. As per RFP, It is a turn key solution and partial bidding is not allowed.</p>

82	Page 49 Wireless Controller	The quantities mentioned for Senate and MoPA are zero, which means they already have Wireless controller. Please note that not wireless controller is Unified. This is a big bottleneck as not every vendor will be quoting Ruckus, Huawei or Extreme Network.	Quantity will remain same as per RFP page no 32 point 23.
83	Page no 53 In Row/Row based Air Conditioning Unit (CRAC)	Will it be acceptable to NITB and PICEP, if some vendor quote Smart Racking Solution which is a complete Data Center within itself and consume lesser space or requires complete Data Center requirement	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
84	Page 54 QR Printers	Please reduce minimum RAM to 4GB as very limited brands offer 8GB RAM and sourcing to Pakistan will be difficult	RFP Mentioned Specifications are according to our requirements. Please refer page 56 point 54
85	SAN (page no 54) Dual Controller hot swappable per chassis controller (active/active) with 10Gbe Base-T Ports, HDD: 4 x 860Gb H.D.D, 6x2.4TB 10Krpm SAS, 6 x 12TB NL SAS, Software with thin Provisioning, Auto Tiering, Snapshots, Clones, Replication, archiving, etc. installation & testing.	860 GB HDD in not an industry standard, please re-check it should be 960 GB SSD.	NITB may consider
86	Page No 55 Microsoft Windows Server	Electronic License is the correct one and it has downloadable media, please remove media kit requirement. Also mention number of cores for License.	Specification will remain same as per RFP. Please refer RFP Page 55 Point 45
87	Page No 55 Vmware Licenses	Please confirm either you have require Vmware Vspare Standard or Enterprise plus. ?	Enterprise plus
88	Page No 56 Medium Duty Printer A3 size Colour Printer,	Please change processor speed with 792MHz or higher from 800MHz.	Specification will remain same as per RFP.
89	Page No 59 SMS Software Server	This applies to mobile operators, please make a separate lot for this, vendors cannot control mobile companies	It is Turnkey solution Bidder is responsible to manage all, Partial Bidding not allowed. Please Refer Page No : 18 (6.3 Technical Proposal)
90	Page No 59 Wireless Connectivity	This applies to PTA approved specialised companies, please make a separate lot for this, vendors cannot control these vendors	Partial Bidding not allowed. Please Refer Page No : 18 (6.3 Technical Proposal)
91	Page No 19 6.6 Bid Currencies Bids are to be quoted in PKR. Bids received in any currency other than PKR shall not be accepted.	Keeping in view current prevailing economic situation in Pakistan, vendors cannot predict conversion rate. PPRA does allow bids in USD/Other currencies and conversion on the date of Payment. Pakistan Single Window and Zarai Taraqiati Bank has already published such RFPs. The IT industry always look upon NITB and MoIT to facilitate vendors, as uncertainty has causing huge losses to the industry and this will further deepen the crisis which may lead to closure of organizations and causing job cuts	PKR Currency remain same As per RFP : Ref Page No : 19 (6.6 Bid Currencies)
92	Fire Suppression system (FM-200 Gas or Novec 1230?)		Novec 1230
93	2. 42U,12U,6U Rack Sizes?		It is Rack Space and size can be as per OEM design
94	Payment Terms	Please elaborate the payment terms for the project?	Please refer RFP Clause:6.5, Page 18
95	Clause 3.5 (A) Page 15 – Penalty	The clause has capped the penalty @ 20% of total project value (0.5% per week). Given the current economic situation this penalty clause is very stringent and should be reviewed. Any penalty clause should be mutually discussed and agreed in writing between the purchaser and the bidder at the time of contracting.	Terms Remains same Please Refer Page 15 point 3.5
96	Clause 3.5 (B) Page 15 – Penalty	What exactly is non-satisfactory performance? Also, please note that the penalty has no cap, which means that it could result in a hefty penalty if the client is dissatisfied with performance for an extended period of time.	NITB May consider
97	Clause 3.8, Page 16 – Security Audit	Please elaborate the modalities of hiring of the third party Security Audit Firm for audit on the solution?.	Security Audit clearly elaborate in RFP clause 3.8 Page 16.
98	Clause 10 Page 27 – Scope of Work	Please provide the details of Passive Work scope and details of locations plus the possibility of a site survey?.	Any type of work which need to complete the job i.e. Cabling, Ducting, Civil work etc. Site Survey already Conducted on 04-01-2023
99	Clause 16 Page 34 – Change of Scope	What is the meaning of change of scope? What is the percentage of the variance that the bidding party will cover? Any change in order shall be mutually agreed upon between the purchaser and the bidder.	Quantities may increase or decrease by NITB. Ref. Page N. 34
100	Technical/ Scope of Work – WLAN	The RFP has asked for a Wireless LAN Controller with Software. Will the customer consider a Hardware Based controller alternatively.	AS per RFP (Hardware with Software). Please Ref page: 49 Point 23
101	Technical/ Scope of Work – WLAN	The RFP has asked for a Computer for Wireless Lan Controller along with 55" LED Screen. In the case of a Hardware-based solution has been proposed, will the aforementioned line item still be required?	Yes required, as per RFP Specification and Quantity will remain same
102	Technical/ Scope of Work – Hardware for E-Parliamentary System & E-Committee System	Hardware for E-Parliamentary System & E-Committee System: For the 12.9" iPad/Tablets/ Laptop required under the scope, please specify the required storage capacity?.	Tablets along with stands (Please refer RFP page 54 point no 42) would be preferred, with minimum specifications that may include 6Gb RAM, 128Gb ROM
103	Technical/ Scope of Work - Software	For VMWare: Please clarify the license requirement. vSphere (standard / Enterprise)? Licensing Model? vCenter? Version 7 or 8?	Enterprise Plus, vCenter, Latest
104	Technical/ Scope of Work - Software	For Veeam: Please clarify the license requirement. Veeam Availability Suite or Veeam Backup & Replication?	Veeam Backup & Replication
105	Technical/ Scope of Work - Software	For all Licenses/Software: Please clarify the required support/subscription?	All Installed Equipment/Software with 3 Year Warranty including OEM Support and License . All those which have perpetual license are one time. One Year Maintenance support including after PAC. Please refer RFP Page No 13
106	Technical/ Scope of Work	For LAN Infrastructure: Cable, Patch Cord etc. Please clarify the required support?	One Year Bidder Maintenance support including after PAC. Ref Please refer RFP Page No 13

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107	Technical/ Scope of Work	For Server Room Hardware: Please clarify the required support?	All Installed Equipment/Software with 3 Year Warranty including OEM Support and License . One Year Bidder Maintenance support including after PAC. Please refer RFP Page No 13
108	Technical/ Scope of Work	For Electronic Notice Board System: The RFP has required a 55inch Android LED screen only. Please clarify what training is required here.	The solution provided about how it Work and Troubleshoot
109	Technical/ Scope of Work – Page 47, 24Port POE Switch	Need 1G or 10G Optical Port Please confirm.	RFP Specification Remain same, 1G use for uplink
110	Technical/ Scope of Work – Page 49, Access Point	Why Need Built-In Controller while opting WLAN Controller? Also no controller mentioned in Senate and MOPA.	Quantity will remain same as per RFP page no 32 point 23.
111	Technical/ Scope of Work – Page 49, Access Point	Why need 3x3 Configuration. Also 3x3 MIMO Required on 2.4 Ghz. or 5 Ghz.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
112	Technical/ Scope of Work – Page 49, Wireless LAN Controller with Software	The Hardware Requirement is For 100 APs but software licenses are mentioned for only 60-AP Licenses. Please clarify on the disparity.	This hardware is for 3 locations and 60APs are in NA which required license with reference to RFP page:49
113	Technical/ Scope of Work – Page 50, Wireless LAN Controller with Software	What if vendor wants to quote Hardware based WLAN Controller	AS per RFP (Hardware with Software required) Please Refer RFP page: 49
114	General	The bid submission timelines may please be extended by at least 2 to 3 weeks beyond the current submission timeline.	NITB May consider
115	Dismantling/Integration of existing equipment	Please share the details of existing equipment of all sites.	Due to security concern, details can not be shared however integration of existing equipment will be carried out at the time of deployment if required
116	Estimated Time = 12 Months	Please share the project delivery timelines.	As per RFP Ref Page 13, Annexure B, the vendor will provide the project delivery timelines in its proposal. However, total duration of all deliverables is 12 months.
117	Trainings	Does online training allowed or bidder have to arrange on-site training.	Onsite Training would be preferred.
118	UTP Cat6 Cable	Total Quantity calculation is incorrect. Total should be 162,000 ft.	NITB may consider
119	Layer 3 Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 sFlow,telemetry for network analysis 30K MAC,8K IPv4 Routes,8K ARP enteries Add Dual power supplies (1+1) Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
120	Layer 3 Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
121	48-Port Layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.

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122	24 Port POE Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
123	24 Port Layer 2 Manageable Network	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
124	12 Port layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
125	12 Port layer-2 POE Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
126	Access Points	The AP should support Operating temperature: -10°C ~ +50°C The AP should support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications. The AP should support application Traffic statistics: globally, by SSID, or by user. The AP should support load balancing during smart roaming. The AP should support smart roaming. The AP should support dual-link backup. Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
127	Wireless LAN Controller with Software	The AC should support manage 256 APs. The AC should support 4K users. The AC should provide 6Gbps forwarding performance. The AC should have at least eight 1GE Ethernet interface The AC should support the antivirus function. The AC should support intrusion prevention, detection, and termination of intrusion behaviors. (Including buffer overflow attacks, Trojan horses, and worms) The AC and AP should be upgraded independently. In dual-AC redundancy mode, services are not interrupted during the upgrade. Please mention AP license (116) as per actual Suggested to have 2x QTY for redundancy Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications and Quantities are according to our requirements. However, Solution with better features can be proposed.
128	Network Monitoring Software	Please mention device license as per actual (157)	Minimum 100 Devices license are required. Please refer RFP
129	OEM Presence	The OEM must have offices in Karachi, Islamabad and Lahore. The OEM must have depots in Karachi, Islamabad and Lahore. The OEM must have in-country presence (office and depots) for the past 10 years. The OEM must have registered with SECP and FBR for the past 10 years.	NITB may consider

130	Storage Area Network	i) Is 4x 860Gb H.D.D. supposed to be SSD or HDD? ii) Please share the controller cache size? iii) Please share Existing Storage specifications for integration. iv). Warranty required for storage?	i) As per RFP ii) As per RFP iii) Existing storage integration is not the part of scope iv) As per RFP, Three Years Warranty of installed equipment.
131	SAN Switch	i) Please share uplink port details. ii). Please share the existing SAN switch details e.g either fiber channel or Ethernet ports for integration.	i) 10G ii) New SAN Switch is required as per specification
132	12.9" iPad/Tablets/Laptops	i) Please share the tablets/laptops specification details	Tablets along with stands (Please refer RFP page 54 point no 42) would be preferred, with minimum specifications that may include 6Gb RAM, 128Gb ROM
133	Vmware 8 CPU licenses 1 (8 CPU licenses/1 license for VCenter)	i) Only vSphere and VCenter licenses required or bidder have to quote HCI kit with VSAN? ii) . Standard edition required or Enterprise PLUS license required? iii) . 1-Year license required or 3-Years?	i) Our requirement is vSphere and Vcenter, as per RFP page 55, point 47 ii) Enterprise Plus iii) 03 years
134	Veeam Backup Software	i) . Total Number of VMs per site ii) . Total Number of Physical Servers iii) . Total Number of Desktop/Laptops iv. Existing Backup Storage v). Total Backup Size vi). License duration 1-Year or 3-Years?	i) As per actual requirement during deployment stage ii) As per RFP page no 33 iii) As per RFP iv) No Existing Backup Storage v) Not Applicable vi) 03 Years
135	Internet Bandwidth/ 40 Mbps	i) Bidder have to Quote Connectivity price on monthly MRC or for complete 1-Year or 3-Year's duration?	Requirements remains same As per RFP Page 60 point 67
136	Layer 3 Switch	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 sFlow, telemetry for network analysis 30K MAC, 8K IPv4 Routes, 8K ARP entries Add Dual power supplies (1+1) Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
137	48-Port Layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 30K MAC, 4K IPv4 Routes, 4K ARP entries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
138	24 Port POE Switch	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 30K MAC, 4K IPv4 Routes, 4K ARP entries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
139	24 Port Layer 2 Manageable Network	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 30K MAC, 4K IPv4 Routes, 4K ARP entries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
140	12 Port layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 30K MAC, 4K IPv4 Routes, 4K ARP entries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.
141	12 Port layer-2 POE Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah, IEEE 802.1ag, Y.1731 30K MAC, 4K IPv4 Routes, 4K ARP entries Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications are according to our requirements.

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142	Access Points	<p>The AP should support Operating temperature: -10°C ~ +50°C</p> <p>The AP should support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications.</p> <p>The AP should support application Traffic statistics: globally, by SSID, or by user.</p> <p>The AP should support load balancing during smart roaming.</p> <p>The AP should support smart roaming.</p> <p>The AP should support dual-link backup.</p> <p>Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report</p>	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
143	Wireless LAN Controller with Software	<p>The AC should support manage 256 APs.</p> <p>The AC should support 4K users.</p> <p>The AC should provide 6Gbps forwarding performance.</p> <p>The AC should have at least eight 1GE Ethernet interface</p> <p>The AC should support the antivirus function.</p> <p>The AC should support intrusion prevention, detection, and termination of intrusion behaviors. (including buffer overflow attacks, Trojan horses, and worms)</p> <p>The AC and AP should be upgraded independently. In dual-AC redundancy mode, services are not interrupted during the upgrade.</p> <p>Please mention AP licence (116) as per actual</p> <p>Suggested to have 2x QTY for redundancy</p> <p>Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report</p>	RFP Mentioned Specifications and Quantities are according to our requirements. However, Solution with better features can be proposed.
144	Network Monitoring Software	Please mention device licence as per actual (157)	Minimum 100 Devices license are required. Please refer RFP Page no.50 point 25
145	Storage Area Network	<p>Please include All-Flash Storage with Dual Active-Active Controller for better performance and reliability. Controller Cache should be mentioned as Min. 96GB or More per Controller Cache. Should include at least 2 x 4 x 10GE ports, and 2 x 4 x 16Gbps FC ports for replication in SAN fully activated with SFP's. Raw or Useable Capacity with Min. Raid-5 or 6 configuration should be mentioned. Shall include the proposed SAN should be listed in the Leaders quadrant of Gartner's Magic Quadrant for main storage. A screenshot of Gartner's Magic Quadrant in 2021 should be required.</p>	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
146	SAN Switch	<p>Please include Dual Min. 16Gbps FC SAN Switches should be quoted for Proposed SAN Model Min. 48 Ports Active along with SFPs Installation, testing and commissioning.</p> <p>Please confirm uplink port requirement for SAN switch which will be used to connect to the network. Current Network part does not have 10G ports availability. Suggest to have 10G core switch at the network layer to which FC SAN Switches will be connected.</p>	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
147	Data Cabinet 42U	<p>It is OEM specific requirement.</p> <p>Change is required solution can be quote as per OEM solution</p>	Specifications and requirements will remain same as per RFP.
148	In Row/Row based Air Conditioning Unit (CRAC)	<p>i) Humidification is missing and need add.</p> <p>ii) Builtin dual power supply module missing and need to add for reliable solution</p> <p>iii) 50 Degree ambient is too high for islamabad city. It is fisible to change 45 C for efficient solution.</p> <p>iv) Display and monitoring requirement is missing.</p> <p>It is needed to add coloured touch screen , with complete monitoring of all features and both power inputs seperately.</p>	Specification will remain same as per RFP. However best solution and basic requirements count as value added and can be proposed
149	UPS 30 KVA	<p>It is OEM specific requirement. Also donot requires this item in latest UPS, specifically in islamabad.</p> <p>Change is required solution can be quote as per OEM solution</p>	Specifications will remain same as per RFP.
150	12.9" iPad/Tablets/ Laptops	Complete specs for tablet is required as RAM, ROM, Processer etc	Tablets along with stands (Please refer RFP page 54 point no 42) would be preferred, with minimum specifications that may include 6Gb RAM, 128Gb ROM
151	Audit Financial Statement	Financial year of most corporate entities starts from January to December. Please Allow it from Jan 2017 to December 2021	NITB may consider
152	Data Cabinet 42U	<p>It is OEM specific requirement.</p> <p>Change is required solution can be quote as per OEM solution</p>	Specifications will remain same as per RFP.
153	In Row/Row based Air Conditioning Unit (CRAC)	<p>i) Humidification is missing and need add.</p> <p>ii) Builtin dual power supply module missing and need to add for reliable solution</p> <p>iii) 50 Degree ambient is too high for islamabad city. It is fisible to change 45 C for efficient solution.</p> <p>iv) Display and monitoring requirement is missing.</p> <p>It is needed to add coloured touch screen , with complete monitoring of all features and both power inputs seperately.</p>	Specification will remain same as per RFP. However best solution and basic requirements count as value added and can be proposed
154	UPS 30 KVA	<p>1. It is OEM specific requirement. Also donot requires this item in latest UPS, specifically in islamabad.</p> <p>Change is required solution can be quote as per OEM solution</p>	Specification in RFP will remains same.

155	Partner Presence/Credibility	(a) Financial Capability: The Bidder shall submit financial turnover statements having at least 1 billion turnover each year for the last 03 years [e.g., three years] prior to bid submission deadline, demonstrating the current soundness of the Bidder's financial position. (Financial Audited Statement/Bank Statement to be provided as evidence of last three fiscal years).	NITB may consider
		The bidder must be in relevant business for at least ten (10) years	
		The Bidder must have at least 03 relevant nature of projects of the same size and value.	
		The bidder must have a Project Manager on its payroll, having at least 15 years of education with minimum 10 years of experience	
		The bidder must have five (3) certified Network technical resources on Company Payroll for quoted OEM Network solution	
		The bidder must have five (5) certified technical resources on Company Payroll for quoted OEM storage solution	
		The bidder must have five (2) OEM certified DCF technical resources on Company Payroll for quoted OEM solution	
		The bidder must be authorized services partner of the OEM	
	The bidder must provide OEM letter of authorization, specific for this project		
	OEM/Brand Presence	The OEM must have offices in Karachi, Islamabad and Lahore.	
The OEM must have depots in Karachi, Islamabad and Lahore.			
The OEM must have in-country presence (office and depots) for the past 10 years.			
The OEM must have registered with SECP and FBR for the past 10 years.			
156	FSS area required with L X W X H		Server Room Estimated Covered Area 700 Sq. Feet approx. including NOC Room. Please refer RFP Page 33.
157	Power cable / Tray BOQ not available.		Passive Work is responsibility of Bidder Ref Page 27
158	Copper Piping and Tray for In-Row and as well as for comfort Colling.		Passive Work is responsibility of Bidder Ref Page 27
159	Electrical Wiring & light Fittings this scope not clear		All electric wiring and light fitting related to Server Room will count as one Job to complete the solution of Server Room for single site
160	Glass Partition dimensions.		Server Room Estimated Covered Area 700 Sq. Feet approx. including NOC Room. Please refer RFP Page 33.
161	Dampa False Ceiling dimensions.		Bidder will purpose solution and design as per area of server room. Server Room Estimated Covered Area 700 Sq. Feet approx. Please refer RFP Page 33.
162	Make a layout and mention all dimension and as well as prepare a BOQ as per site survey and give to sales team for discussion.		Site survey has been done Dated 4th Jan 2023. Server Room Estimated Covered Area 700 Sq. Feet approx. Please refer RFP Page 33.Point 16.
163	Layer 3 Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 sFlow, telemetry for network analysis 30K MAC, 8K IPv4 Routes, 8K ARP enteries Add Dual power supplies (1+1) Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.
164	48-Port Layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes, 4K ARP enteries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.
165	24 Port POE Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP enteries sFlow, telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.

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166	24 Port Layer 2 Manageable Network	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.
167	12 Port layer-2 Manageable Network Switch	Please include for Ethernet O&M IEEE 802.3ah,IEEE 802.1ag,Y.1731 30K MAC,4K IPv4 Routes,4K ARP entries sFlow,telemetry for network analysis Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	Specifications and requirements will remain same as per RFP.
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170	Wireless LAN Controller with Software	The AC should support manage 256 APs. The AC should support 4K users. The AC should provide 6Gbps forwarding performance. The AC should have at least eight 1GE Ethernet interface The AC should support the antivirus function. The AC should support intrusion prevention, detection, and termination of intrusion behaviors. (including buffer overflow attacks, Trojan horses, and worms) The AC and AP should be upgraded independently. In dual-AC redundancy mode, services are not interrupted during the upgrade. Please mention AP licence (116) as per actual Suggested to have 2x QTY for redundancy Brand should be minimum in Visionaries position in Wired and Wireless LAN Infrastructure at least once in last 3 years in Gartner report	RFP Mentioned Specifications and Quantities are according to our requirements. However, Solution with better features can be proposed.
171	Network Monitoring Software	Please mention device licence as per actual (157)	Minimum 100 Devices license are required. Please refer RFP Page no.50 point 25
172	Storage Area Network	Please include All-Flash Storage with Dual Active-Active Controller for better performance and reliability. Controller Cache should be mentioned as Min. 96GB or More per Controller Cache. Should include at least 2 x 4 x 10GE ports, and 2 x 4 x 16Gbps FC ports for replication in SAN fully activated with SFP's. Raw or Useable Capacity with Min. Raid-5 or 6 configuration should be mentioned. Shall include the proposed SAN should be listed in the Leaders quadrant of Gartner's Magic Quadrant for main storage. A screenshot of Gartner's Magic Quadrant in 2021 should be required.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.

	173	SAN Switch	Please include Dual Min. 16Gbps FC SAN Switches should be quoted for Proposed SAN Model Min. 48 Ports Active along with SFPs Installation, testing and commissioning. Please confirm uplink port requirement for SAN switch which will be used to connect to the network. Current Network part does not have 10G ports availability. Suggest to have 10G core switch at the network layer to which FC SAN Switches will be connected.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
	174	58	Overhead, Simplex 3 seconds / page Color / Grayscale: 600 dpi, Monochrome: 1,200 dpi) Color, Grayscale, Monochrome, Automatic (Color / Grayscale / Monochrome detection) Lens reduction optics / Color CCD x 1 (White LED + Lens illumination) x 2 285 to 218 dpi (Horizontal scanning), 283 to 152 dpi (Vertical scanning) 432 x 300 mm (17.0 x 11.8 in.) 25.4 x 25.4 mm (1 x 1 in.)*5 USB2.0 / USB1.1 (Connector Type: Type-B) ScanSnap specific driver Windows®: Does not support TWAIN / ISIS® macOS: Does not support TWAIN ScanSnap Home (all-in-one document management software/driver) ScanSnap Manager (Conventional driver) Kofax Power PDF Standard (Windows) Kofax Power PDF Standard for Mac (Mac) ABBYY FineReader for ScanSnap™ Deskew by text on document, Automatic size detection, Automatic rotation, Automatic color detection, Book image correction*8, Multiple document detection AC cable, AC adapter, USB cable, Safety Precautions, Background Pad, Extenders (x2)	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
Hamson	175	Layer 3 Switch	Required quantities for the SFPs and type.	As Per switch capacity
	176	24-Port Layer-2 Manageable	What is the uplink connectivity required from layer 2 switch to aggregation point in core (e.g. 1G or 10G).	Layer 2 and Core Aggregate uplinks on 1G
	177	Network Switch		
	178	Data Cabinet 12 U, Data	How we will manage the power backup?	Not in Scope
	179	Cabinet 6 U		
	180	Access Point	Existing AP detail is needed.	Existing Huawei Access point
	181	Wireless LAN Controller with Software	Existing WLAN controller detail is required.	Existing Huawei WLC
	182	Computer for Wireless Lan along with 55" LED Screen	Can we use existing resources (PC) to manage new WLAN Controller.	New Data Computer Required as per specification. Please refer RFP Page No 50
	183			
	184	UPS 30 KVA	Who will be responsible for three phase UPS input from Power source?	Power Source will be provided, but Bidder will ensure the complete installation and commissioning
	185	Earth Pit & Earth Bus Bar	For Earth pit can we make it using copper plate instead of copper rod?	As per RFP remain same. Please Refer Page 53 point 35
	186	Complaint Management	Who will provide customized software Complaint Management System and Visitor Management System?	Desktop machines required for respective software's. Please Refer Page 54 point 44 ,
	187	System/Visitor Management System		
	188	Electronic Notice Board System	The Electronic Notice Board System will be installed on the same place or distributed, indoor or outdoor, please clarify how we will manage these notice board	Distributed and can be Indoor/Outdoor
	189	Wireless Connectivity/ Radio Link	What is the requested radio link speed/bandwidth?	1Gbps speed/bandwidth
	191	Internet bandwidth	What is the internet bandwidth priority e.g., TW1/PTCL?	Better Support and Services will be preferred
	192		Do we need redundant PSU in the active hardware?	Yes , As per RFP Wherever required
	193	Drawing & Design Architecture	Please provide the building layout with dimensions.	Due to Security Concerns, the complete Building design Layout can not possible. Site Survey already performed by Bidders as per scheduled date on 4th January 2023 Refer Annexure A – RFP Schedule page number 35
	194		Is it possible to submit the offer in US Dollar? If yes then the requested terms are as follows:	
	195	Payment Terms/ Schedule	For evaluation purpose, the prices quoted in USD shall be converted to equivalent in Pakistani Rupees (PKR) as Clause Payment Terms/ Schedule per the prevailing interbank selling exchange rate on the	For Payment Terms / Schedule & Bid Currencies. Please Refer Page 18 & 19 point 6.5 & 6.6 respectively
	196		6.5 date of opening of financial bids.	
	197		For the payment, the payment for equipment quoted in foreign currency shall be made in equivalent Pakistani Rupees (PKR) as per the prevailing interbank selling exchange rate at the time of release of payment.	
	198	Trainings	The required trainings will be on customer premises or bidder need to provide venue for training?	Trainings are FOC and responsibility of Bidder refer Page 28 point 13
	199		The respected trainings be virtual/webex?	Trainings are FOC and responsibility of Bidder refer Page 28 point 13
	200		Any physical training will be required locally or international?	Trainings are FOC and responsibility of Bidder refer Page 28 point 13
201	If travel required for training within a country, who is responsible for TA/DA?		Trainings are FOC and responsibility of Bidder refer Page 28 point 13	
202	Once the trainings will be completed, the bidder will be only responsible for the vouchers (OEM policy) and successful completion of certification is the responsibility of end client.		Yes	
203	The video training material requested is recorded or only available trainings from OEM?		Available Trainings from OEM	
204	What kind of training is required for Notification board?		The solution provided about how it Work and Troubleshoot	
205	Penalty	Delivery is totally dependent on manufacturer policies and alliance of Government of Pakistan, please confirm if it is	Terms Remains same Please Refer Page 15 point 3.5	

PS Tech	206	The survey was done before the pre-bid meeting. Normally the survey is done once all the concerns raised in the pre-bid meeting are met. The survey is a detailed activity which is done once all the clarifications are given by the end user.	AS per schedule of RFP Ref Page No : 35 (Annex-A RFP Schedule)
	207	We had requested NITB to allow for partial bidding, as vendors who are specialized in their field would participate for the said lot. By not allowing for partial bidding, it is an inclination towards specific vendors.	Partial bidding or JV not allowed according to RFP. Ref Page No : 18
	208	The weightage given to financial and technical proposal is 50% each, which is not the correct practice once you are floating a RFP which would be a pride for Pakistan. The best proposed weightage is by giving technical weightage 70% and financial weightage 30%, this way the best technical proposals will win, rather than the weightage given by NITB where the financially lowest will win no matter what the technical solution they have offered.	NITB may consider
	209	NITB has requested the bid price to be PKR, this will increase the bidding price because vendors will use a higher rate of US\$ conversion rate. It is recommended that NITB allows for US\$ for international portion and PKR for local portion. NITB should also facilitate the vendors in opening the LC, this will help both NITB and the vendor in achieving the timelines, otherwise vendors will not be able to open the LC and even if they do, due to import restrictions they will not be able to import the equipment.	Bid price will remain to be PKR as per RFP. Ref Page No : 19 (6.6)
	210	The HLD & LLD designs will be provided once NITB shares the installed equipment at Senate and Parliament because the new hardware/software would be integrated with the current hardware/software.	It's a complete independent solution according to the design provided by Bidder. However integration may be carried out if required
	211	The security audit by NTISB should be the responsibility of NITB. Once the bids are received the technical BOQ should be shared with NTISB, who would advise if the proposed hardware/software is cleared for usage by the GOP. If this responsibility is given to the vendor it will delay the project timelines.	Bidder is to comply NTISB requirements and is to obtain clearance as per RFP Requirements. Ref Page No : 16 (3.8)
	212	The Payment terms and schedule is also not very clear. There are no timelines mentioned in the RFP. The training and certifications milestone payment is 20%. Retaining 20% of the whole project value is not the correct approach. The training cost whatever it is should be retained till the training is done. NITB will also be retaining 10% as performance security.	Payment Terms will remain same as per RFP. Ref Page No : 18 (6.5)
	213	Passive work responsibility has been given to the vendor, this will be covered in the site survey and will be quoted separately.	As per RFP Ref Page 27, Clause 10, Passive work which will be required during the project will be the responsibility of the bidder
	214	The technical evaluation criteria is also not clear. In the general work experience NITB has mentioned for all large-scale projects the points given will be 5, 10, 15, 20 and 25 respectively. Please advise as to how would NITB scale each large-scale project?	As per RFP criteria will remain same Ref Page No : 30 (15.2)
	215	In the team capacity criteria, NITB has asked for Certified Security Professional. As there is no software security solution being asked for. We had recommended in the pre-bid meeting to use security solutions for this solution. There is no web gateway solution, application security solution, vulnerability assessment solution, DB security solution, AD security solutions, DNS/DHCP security solution, DLP solution, end point protection solution, etc.	NITB has asked qualified security professionals to analyze the organization's cyber security Strength and firm has to comply RFP requirement.
	216	NITB has asked for Business Continuity Management System – ISO certification, but there is no mention of Business Continuity solution requirement. How will NITB manage to keep their applications and DB's up and running without such solutions. This would be a single point of failure.	NITB may consider
	217	The specifications of the Layer 3 switches are very vague and old e.g.; the switching and forwarding capacity is too low and old. The switches do not have redundant power supplies mentioned in the RFP which is a single point of failure. Same is valid for the rest of the network switches.	Requirements will remain same as per RFP.
	218	NITB should have asked for a SIEM/SOAR solution rather a Network Management software. This is just a monitoring solution, how would NITB respond to security incidents and events, how would NITB manage the logs of the complete infrastructure?	Requirements will remain same as per RFP.
	219	Access control system should be on the latest technology of facial recognition rather than finger print identification.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
	220	i) How/has NITB calculated the BTU/HR capacity for cooling? ii) NITB has mentioned one stand by, is this covered in the quantity mentioned in the next column?	i) BTU/HR capacity will remain same, estimated covered area for Server room size 700 sq. ft approx. as per RFP. ii) Quantity will remain same as per RFP. Ref Page No : 52, Point 31.
	221	Normally a UPS is proposed till the gen set starts, and that normally takes a maximum of 5 minutes. Why is NITB asking for a 30KVA UPS, how/have (have) you done the sizing?	Specification in requirement will remain same as per RFP. Refer to Page No. 52 and Point 33. i) Standard Minutes backup time on 75% load. Overloading capacity 125% for 10 minutes and 150% for 01 minute.

222		The server machine has a very vague requirement. There is no mention of the specific processor, as there are multiple options available for 24Core processor and price varies for each processor. NITB has asked for DDR4, as the latest technology is DDR5 which was launched around two years back. There is a mention of 2xHDD where NITB will be able to implement RAID 0 and RAID 1 only, while the recommended approach is RAID 6 with HDD parity where NITB will not lose any data. NITB has asked for 4x1Gbps express ethernet ports, while the ports on the SAN and SAN switch are 10GBase-T ports – this requires your attention.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
223		The SAN requirements in the RFP do not mention the IOPs required, the cache needed in each controller, there should be mention of Flash HDD and next generation NVMe flash disks for performance, there is no mention of FC channels, there is no mention of additional storage for backup. There is also no clarity on the warranty required, 9x5 NBD or 24x7 SBD. Also advise, would NITB provide us with the faulty HDD or would they keep it with themselves, as this would impact on the pricing.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
224		The processor asked for in the desktops is also pretty old. There is a whole new generation of processors available with the principals.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
225		Windows server 2019 is asked for in the RFP, the latest available is 2022.	RFP Mentioned Specifications are according to our requirements. However, Solution with better features can be proposed.
226		There is clarity required on VMWare, as there are multiple options available in VMWare.	VMWARE Enterprise edition
227		NITB has asked for Veeam backup solution which does not provide enterprise class features like the leading principals in the magic quadrant of Gartner. NITB cannot specify a product or a solution by name, this is PPRA regulation violation.	RFP Mentioned Specifications are according to our requirements. Please refer RFP page no 55 point 48