



Government of Pakistan
Ministry of Information Technology & Telecommunication
NATIONAL INFORMATION TECHNOLOGY BOARD (NITB)



Government of Pakistan
NATIONAL INFORMATION TECHNOLOGY BOARD
(NITB)

Ministry of Information Technology & Telecommunications

Request for Proposal

IT Infrastructure Procurement & Installation

January, 2023

www.nitb.gov.pk



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Data Sheet

Bid Selection Method	Two Stage - Two Envelope: The method of selection is: Quality and Cost Based Selection (QCBS). RFP is available under Tender link of NITB website https://nitb.gov.pk and https://www.ppra.org.pk
Bid Security	(PKR 5 million) bid security of the total quoted price
Deliverables	<ul style="list-style-type: none">▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of <u>Network Infrastructure and Servers Rooms</u>, for National Assembly, Senate & MoPA▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of Server Rooms (<u>Cooling System, Fire Alarm & Fire Suppression System & UPS</u>), for National Assembly, Senate.▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of <u>Computer Hardware (Desktop, LCD, Laptops, Printers, Scanner, & Software for National Assembly, Senate & MoPA</u>▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of <u>Wireless Network Connectivity</u> for National Assembly, Senate & MoPA.▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of Servers, SQL/DBMS With Licenses for National Assembly, Senate & MoPA.▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of <u>Storage Infrastructure</u> for National Assembly, Senate & MoPA.▪ For Supply, Installation, Commissioning, Configuration, Integration & testing of <u>Face Reader, Biometric Attendance, SMS Notification System (Software & Gateway)</u> for National Assembly, Senate & MoPA.▪ Dismantling/Integration of existing equipment▪ Technology Transfer▪ Weekly Progress Reports▪ Design/workflow Diagrams (HLD & LLD)▪ Trainings and certifications (FOC) for project staff▪ All other documents/material/mentioned in this RFP▪ Three Years Warranty of installed equipment▪ One year on site support of installed equipment
Project Director, Email: picep@nitb.gov.pk Phone: 051-9265414	



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Language	Proposals should be submitted in English language
Currency	All prices should be quoted in Pak Rupees
Estimated Time	12 Months
Taxes	The quoted price should include all applicable taxes
Proposal Validity	Proposals must remain valid for 180 days after the submission date
Bidder must submit	Two (02) copies of both technical and financial proposals (One original and one photocopy) A printable and searchable copy in a USB flash drive of technical proposal and financial proposal
Proposal Submission Address	Plot # 24 B, Street No 06, Sector H-9/1, Islamabad
Submission Date & Time	Both Technical proposal & Financial bid must be submitted in two different sealed envelopes on or before 7th February, 2023 at 1100 hrs. technical proposal shall be opened on the same day at 1130 hrs.

Pre-Bid meeting - 6th January, 2023 at 1000 hrs.



Executive Summary

Islamic Republic of Pakistan has bicameral Parliamentary System consisting of President, Upper House (Senate), and Lower House (National Assembly). Ministry of Parliamentary Affairs (MoPA), as a part of the Executive, plays its role in bridging the gap between Legislature and the Executive. All these organs of the Parliament perform their respective functions to meet the basic objectives of the Parliamentary System i.e., performing Legislation, oversight of the Executive, control over the Parliamentary Functions, and representation of public through elected representatives.

The major objectives of ‘President Initiative for Cyber Efficient Parliament (PICEP)’ Project are to enhance the institutional capacities of Parliamentary System including MoPA, Senate and National Assembly (NA) to perform their functions. This shall be done through the use of Information & Communication Technology (ICT) with the help of latest tools and technologies. This will also help Parliament to evolve towards a paperless & efficient environment with reduced carbon footprints. In short, the PICEP Project has following basic objectives:

1. To bring efficiency in performing Legislation
2. To provide robust control over the Parliamentary Functions
3. Perform keen oversight of the Executive
4. Make the effective representation of general public possible



Project Description

“President Initiative for Cyber Efficient Parliament (PICEP)” envisions a modern and progressive Parliament, where the systems and processes involved in the working of Ministry of Parliamentary Affairs, Senate and National Assembly, shall be digitized using latest, state of the art hardware and software, as being practiced in the Parliaments of the developed countries, in accordance with the Rules of Procedures and Conduct of Business in the Parliament. This project involves seamless integration of all branches of the respective Secretariat and among all the organs of the Parliament, ensuring global standards in terms of accessibility and without compromising information security.

The primary aim is to enable and facilitate elected representatives to perform their duties of public service and legislation efficiently from inside and outside the premises of the Parliament. With the changing culture and practices of workplace and post COVID-19 situation in the hindsight, it is need of the hour to transform this prestigious institution with the help of modern computerization to attain flexibility without compromising any of its operations.

Parliament, the most prestigious institution of the State is currently functioning in a very conventional, paper-intensive environment, where the competence and productivity is capped by the sheer lack of technological resources. This project provides an opportunity to re-evaluate, re-organize and revamp the organization from the grassroots level. The impact will not only be on the efficiency of legislation process but the organizational culture that will in turn trickle down to the performance of the Executive.

Digitalization of the Parliament may appear to be a huge leap forward in terms of technology as well as CAPEX, but the project is expected to reduce the OPEX through efficient management of resources and time, both for public representatives and staff. The automation will overtime right-size the institution, enhancing productivity and optimizing resource utilization.

Since all the organs of the Parliament generally and all the entities within the Secretariats especially, are dependent on one another, to perform designated tasks, it creates bottlenecks and functional limitations in case of cross-functioning. An environment with all the departments, branches, and sections integrated through digital systems, will reduce delays due to interdependencies and streamline the communication channels, enable a swift flow of information across the Parliament. This will greatly improve the efficiency of the Legislation Process and will cast a great impact on the lives of the citizens of Pakistan.

In the current scenario, all departments/ branches of the Secretariat perform its function at their own pace, without adherence to any key performance indicators. The reason is loose administrative control mainly due to lack of capacity in the existing system. Management reporting is mainly dependent on concerned individual’s own discretion. This results in unnecessary delays in task execution. Introduction of a digital infrastructure working as backbone of the current Parliamentary



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System will ensure smooth workflows, task management, and management reporting and policy implementation, thereby improving the overall efficiency of the Parliamentary Business.

Financial Scrutiny of the Executive, by examining the accounts showing the appropriation of sums granted by the Parliament for the expenditure of the Government, is one of the top priority functions of the Parliament. PICEP Project will provide the prompt access and better control over the financial oversight of the Executive and will ultimately improve its financial performance. Presently, there are various impediments hindering the process of smart and efficient financial scrutiny. Loopholes in manual system, huge backlog of workload, and extensive dependency on the Executive for the availability of information, and loosely coupled interactions are some of the obstacles. Due to which the vigilance of the competent authority for financial expenditures is largely compromised. However, with the introduction of an IT based Executive Scrutiny and Oversight System can keep a keen eye on use of public accounts and will enhance the financial competency of various Principal Accounting Officers many folds.

The Parliamentary Database in the form of Debates, Audio Clips and Video Snippets, Rulings, Resolutions, Motions, Questions, Bills are a valuable asset which provide the basis of future legislation and other Parliamentary Functions. The preservation of this valuable asset in the form of tremendous islands of Parliamentary information can greatly improve the legislature working. There is a great need not only to preserve the legacy Parliamentary Database but also to reshape the current Proceedings in the format which will support the existing standards but will also be preserved for future references.

In order to save the time and efforts of the Parliamentarians, a central one window facility will be designed and setup under this Project which will provide a single interface to Parliamentarians for their various tasks related to Secretariats. This facility can be a single source of interaction between Parliamentarians and their respective House. In Addition to that the Members can also use the system to get certain information, submit different applications and update their profile on logging in to their account in the system. For that purpose, they do not even need to go to one window facility. It will not only save the time of the Parliamentarians but also the working of relevant branches of the Parliament and improve the efficiency of the Parliamentary Working.



Objectives

After completion of proposed solution project, the Senate and the National Assembly of Pakistan intends to achieve the following objectives:

- a. Automate the working of the House and all Committees
- b. Transparency in the House and Committees working
- c. Improved Participation of Members in Law Making
- d. IT Support in carrying out the Legislative Process
- e. Digital availability of information to the Members and public
- f. Introduce Electronic attendance mechanism for Members
- g. Providing information to the Members in time electronically
- h. Providing Secure, reliable network & IT Infrastructure for Business of MoPA, Senate & NA

1. Invitation to Bids

The National Information Technology Board, hereinafter called “NITB” or the ‘Purchaser’ or the ‘Procuring Agency’, intends to invite bids against the RFP titled “IT Infrastructure Procurement & Installation” from eligible Bidders.

1.1 PPRA Rules to be followed

Public Procurement Regulatory Authority (PPRA) Rules (Public Procurement Rules, 2004) will be strictly followed. These may be obtained from PPRA’s website.

In this document, unless otherwise mentioned to the contrary, "Rule" means a Rule under the Public Procurement Regulatory Authority Rules, 2004.

1.2 Mode of Advertisement(s)

As per Rule 12, this RFP is being placed online at PPRA's and NITB websites, as well as being advertised in print media.

Bidding document containing detailed instructions, terms and conditions and this advertisement can be downloaded from NITB and PPRA websites.



1.3 Type of Open Competitive Bidding

As per PPRA rule 36 (d), Two-Stage - Two Envelope Procedure shall be followed.

- The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal.
- The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion.
- Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened.
- The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the procuring agency without being opened.
- Technical Proposal shall contain separate envelop of PKR 5 million Bid Security which will be opened along with Technical Proposal.
- The Bidders will be first checked for the eligibility, as per the requirements in eligibility criteria. Thereafter, all eligible bidders shall be shortlisted against the technical requirements.
- The shortlisted Bidders will be technically evaluated and those securing a minimum of 60 marks in the technical evaluation will be qualified for Financial Evaluation.
- In case of only one bidder secures equals to or greater than 60 marks in technical evaluation, NITB may decide to lower the cut-off score for technical qualification but not less than 50 marks
- After the evaluation and approval of the technical proposals, the procuring agency shall open the financial proposals of the technically accepted bids, publicly at the time, date and venue announced and communicated to the bidders in advance, within the bid validity period.
- The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders.
- The contract may be awarded to bidder(s) securing highest combined score of Technical plus Financials Bids. The overall bid score has been divided as follows:
- Technical Proposal Evaluation carries 60% weightage.
- Financials Proposal Evaluation carries 40% weightage.
- The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any Bidder who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.

2. Instructions to Bidders

2.1 Language

The Bid and all documents relating to the Bid, exchanged between the Bidder and the Purchaser, shall be in English. Any printed literature furnished by the Bidder in another language shall be accompanied by an English translation which shall govern for purposes of interpretation of the Bid.



2.2 Bid Document

The bid document can be downloaded from the NITB or PPRA websites.

2.3 RFP Clarifications and Questions

To ensure fair consideration for all Bidders, NITB prohibits communication to or with any department, officer or employee during the evaluation process.

No bidder shall be allowed to alter or modify his bid after the bid have been opened. However, the procuring agency may seek and accept clarifications to the bid that do not change the substance of the bid.

2.4 Pre-Bid Meeting

A pre-bid meeting be scheduled according to '[Annexure A](#)' at the NITB premises to respond to queries of interested bidders.

Queries from the Bidders (if any) for seeking clarifications regarding the specifications of the services must be received in writing to the NITB. Only written queries will be responded in the pre-bid meeting. NITB reserve the right not to address any verbal query during meeting (pre-bid meeting), Phone calls or any other verbal medium.

Bidders should note that during the period from the advertisement of the Bid till the receipt of the bid, all queries should be communicated to a dedicated contact person(s), mentioned in this document, in writing via e-mail or post only. Please include the following reference as the subject of your email/letter: "IT Infrastructure Procurement & Installation".

Response to any Participant's inquiries will be made in writing by NITB in a timely manner to all prospective Participants. Any oral interpretations or clarifications of this RFP shall not be entertained.

Bidders are also required to state, in their proposals, the name, title, fax number and e-mail address of the bidder's authorized representative through whom all communications shall be directed until the process is completed or terminated.

Any changes or clarification resulting from the pre-bid meeting will be shared in writing by NITB. NITB will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.



2.5 RFP / Bid Price

The quoted price shall be:

- In Pak Rupees.
- Inclusive of all taxes, duties, levies, insurance, freight, etc.
- Best / final / fixed and valid until completion of all obligations under the Contract i.e., not subject to variation / escalation.
- Including all charges up to the delivery point / closeout.
- If not specifically mentioned in the Bid, it shall be presumed that the quoted price is as per the requirements given in this document, where no prices are entered against any item, the price of that item shall be deemed to be free of charge, and no separate payment shall be made for that item(s).
- Withholding Tax, Sales Tax and Other Taxes: The Bidder is hereby informed that the NITB will deduct tax at the rate prescribed under the Tax Laws of Federal Government of Pakistan, from all payments for products and services rendered by any Bidder who signs a contract with NITB.

2.6 RFP Schedule

Critical dates and milestones in connection with this RFP.

2.6.1 Timeline of the project:

Total duration of the project (All Deliverables) is 12 months.

2.6.2 Ownership of the project:

All the Equipment and related software in the project shall be the property of Government of Pakistan with packages and licenses.

2.6.3 Technology Transfer

The Bidder will be bound to deliver complete technology and to provide 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.



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

3.1 Confidentiality

The Bidder (whether or not he submits a Proposal to the RFP) shall treat this RFP document and its details as confidential. No information pertaining to this RFP or the examination, clarification, evaluation, comparison and award of this RFP shall be disclosed to other Bidders or any other persons not officially connected with the RFP process, including, but not limited to, the Bidder's own affiliate companies and subsidiaries. The Bidder is not permitted to make any public announcement or release any information regarding this RFP without NITB's prior written approval.

NITB reserves the right to share the Bidder's response to this RFP with its advisors and affiliates. In the event the Bidder commits a breach of confidentiality, NITB reserves the right to disqualify the Bidder from this RFP process and furthermore not include the Bidder in any future similar exercises.

NITB is not responsible for declaration of the short-listed Bidder(s).

The Bidder shall state clearly those elements of its response that it considers confidential and/or proprietary. Failure to properly identify and mark confidential or proprietary information may result in all information received being deemed non-confidential, non-proprietary, and in the public domain.

Separate Non-Disclosure Agreement shall be signed with the successful Bidder(s) upon award of contract.

3.2 Notices

In this document, unless otherwise specified, wherever provision is made for exchanging notice, certificate, order, consent, approval or instructions amongst the Parties, the same shall be in writing as per PPRA Rules.

3.3 Option to Bid

The bidders must Bid for all of the required mentioned items.



3.4 Corrupt Practices

NITB requires that bidders / contractors, observe the highest standard of ethics during the procurement and execution of contract and refrain from undertaking or participating in any corrupt or fraudulent practices.

NITB will reject a proposal for award, if it determines that the bidder recommended for award was engaged in any corrupt or has been blacklisted.

Any false information or misstatement on the part of the bidder will lead to disqualification/ blacklisting/ legal proceeding regardless of the price or quality of the product.

3.5 Penalty

- a) If the bidder fails to complete the Assignment within the given timeline as defined in the ToRs and agreement, Penalty of 0.1% of the total contract value (total bid amount) per week (Five working days will be considered as one week) will be charged up to maximum of 20% of the agreement/contract value. Thereafter, work order will be cancelled, the agreement will be terminated and in addition to penalty the Performance Guarantee will be forfeited.
- b) In case of non-satisfactory support and maintenance services by the bidder during the contract term and as determined by the NITB, the Penalty at rate of 0.1% per day of the contract value will be applicable on the bidder until the performance is improved up to the satisfaction of NITB. Maximum penalty of 25% of the agreement/contract value.

3.6 Warranty /Support & Maintenance Services

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 the provisional acceptance certificate. During this period, it will be the responsibility of the bidder to rectify any defects and provide services such as preventive maintenance, configuration of equipment, problem rectification within the permissible downtime and backup equipment inventory. The necessary patches, upgrades and updates as and when released by the OEM shall also be provided during the warranty period so as to ensure that the system is functioning to provide the best performance.

3.7 Provisional Acceptance and Final Acceptance Certificates

Acceptances and payments will be done as per the schedule ([Payment Terms / Schedule](#))



3.8 Security Audit of Hardware and allied software components

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 reassessment of vulnerabilities ([Annexure K](#)).

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.

4. Requirements relating to the Technological Platform

The technology platform is composed of all components of IT infrastructure, servers and related software needed to provide an operational environment on which proposed solution will operate.

The technology platform requirements include:

- Drawing & Design document
- User manuals of the installed equipment
- Software & Licenses for IT Infrastructure and Server Rooms.

5. Indemnification

By Bidder: Bidder will, at its own expense, indemnify and hold harmless NITB, and their respective officers, directors, employees, representatives, licensees and agents from and against and in respect of any and all claims, liabilities, allegations, suits, actions, investigations, judgments, deficiencies, settlements, inquiries, demands or other proceedings of whatever nature or kind, whether formal or informal, brought against NITB or any of their respective officers, directors, employees, representatives, licensees or agents, by any third parties against and in respect of any and all damages, liabilities, losses, costs, charges, fees and expenses, including without limitation reasonable legal fees and expenses, as and when incurred, relating to, based upon, incident to, arising from, or in connection with any claim or allegation with regard to any misrepresentation by the bidder, breach of any provision of this document by the bidder, negligence or willful misconduct of the contractor, infringing in any manner any copyright, trademark, intellectual property, trade secret or patent of any third party. The foregoing obligation is subject to NITB giving bidder a prompt written notice of any claim and giving the bidder sole control of the defense of such claim. Bidder agrees that it may not, without NITB's prior written consent, as the case may be, enter into any settlement or compromise of any claim that results in any admission of liability or wrongdoing on the part of NITB, as the case may be.

To the fullest extent permitted by law, the bidder shall indemnify and hold harmless NITB and their respective officers, directors, employees, representatives, licensees and agents from and



against claims, damages, losses and expenses, including but not limited to legal fees, arising out of or resulting from performance of the work under this document in relation to any claim, damage, loss or expense attributable to bodily injury, sickness, disease or death to the bidder's personnel or any third party hired by the bidder or to injury to or destruction of tangible property.

6. Preparation of Bid

6.1 Cost of Bidding

The issuance of this RFP and the receipt of information in response to this RFP shall not in any way cause NITB to incur any liability or obligation to the bidder (and /or any proposed Subcontractor(s), if any), financial or otherwise. NITB assumes no obligation to reimburse or in any way compensate the bidder for costs and/or expenses incurred in connection with the bidder's Proposal in response to this RFP. All costs and expenses incurred by the bidder (and/or any proposed subcontractor(s), if any) pertaining to all activities in the preparation, submission, review, selection and negotiation of the bidder's proposal in response to this RFP shall be borne by the bidder (and/or any proposed subcontractor(s), if any) ("costs and expenses").

6.2 Bid Security / Earnest Money Deposit (EMD)

In accordance with PPRA Rules 2004, Rule 25, the Bidder will submit a bid security of PKR 5 million of total amount in shape of Bank Draft/Bank Guarantee in favor of National Information Technology Board.

- The Bid Security issued by any scheduled bank of Pakistan will be acceptable. Cheques will not be acceptable in any case. Bid security of the successful bidder will be returned once the Performance Guarantee is submitted to NITB.
- The bid security shall be part of technical bid envelope, failing to do so will cause rejection of the bid.
- Bid security envelope will be opened at the time of submission and opening of technical proposal
- The Bid Security shall be forfeited by the Purchaser on the occurrence of any/all of the following conditions:
 - If the Bidder withdraws the Bid during the period of the Bid validity specified by the Purchaser or
 - If the Bidder, having been notified of the acceptance of the Bid by the Purchaser during the period of the Bid validity, fails or refuses to furnish the Performance Security, in accordance with the Bid Document.
- The Bid security shall be returned to the technically unsuccessful Bidder with unopened/sealed financial bid.
- While the unsuccessful bidders of technical bid opening procedure will be returned the Bid Security only within one-month period.
- Validity of the Bid Security should be 180 days minimum.



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 templates/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.

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.

6.4 Financial Proposal

The Financial proposal shall be prepared using the standard form attached, duly signed by the authorized representative of the bidder.

The bidder shall provide its list of costs with all items described in the technical proposal price of each item separately. Refer [Annexure C](#) – Submittal Requirements for Financial Proposal.

Note: Pricing shall be quoted in an itemized way including verification/coordination of order, all costs for shipping, delivery to the site, setup, installation, commissioning, configuration, testing and training etc.

6.5 Payment Terms / Schedule

Payments will be made by NITB against the invoice/s raised by the bidder by following the procedure in vogue against each milestone on production of following documents:

Sales tax invoice duly signed and stamped by the organization.

NITB shall issue the Provisional Acceptance Certificate (PAC) after sign-off from the nominated person(s) from the National Assembly, Senate and Ministry of Parliamentary Affairs, on each Purchase order (PO). Bidder shall be responsible to get the sign-off from the above nominated persons. There will be no Advance payment / mobilization.



Following is the payment schedule based on defined milestones:

Sr No.	Milestones	Payment %	Remarks
1	a) Drawing & Design document b) Supply of the equipment c) Signing off of delivery Challan	50%	For particular PO
2	Provisional Acceptance Certificate (PAC)*	30 %	
3	Staff Training and Certifications **	20 %	
4	Final Acceptance Certificate (FAC) ***		Release of performance guarantee is subjected to obtaining of FAC

**Provisional Acceptance Certificate (PAC) includes the sign-off from the nominated person(s) from the National Assembly, Senate, and MoPA for following:*

- *Installation & commissioning*
- *Configuration & Integration*
- *Testing of infrastructure and related software*
- *Technical Documentation (High-level and low-level diagrams, design diagram, other data sheets)*
- *License Bundles.*
- *Third party audit report*

*** Technical Training includes:*

- *Trainings through Certified professionals as per [reference 12](#)*
- *Operation Manuals (Videos, Computer-Based Trainings and Handouts)*

**** Final Acceptance Certificate (FAC) includes:*

- *Work Completion Certificate*
- *After the completion of one-year support & Maintenance for installed infrastructure*
- *Support & Maintenance will commence from the day of signing-of PAC*

6.6 Bid Currencies

Bids are to be quoted in PKR. Bids received in any currency other than PKR shall not be accepted.

6.7 Advice of Omission or Misstatement

In the event it is evident to a bidder responding to this RFP that NITB has omitted or misstated a material requirement to this RFP and/or the services required by this RFP, the responding bidder shall advise the contact identified in the RFP Clarifications and Questions section above of such omission or misstatement.



6.8 Bid Validity Period

The bid shall have a minimum validity period of One Hundred and Eighty (180) days from the last date for submission of the Bid. The Procuring Agency may solicit the Bidder's consent to an extension of the validity period of the bid. The request and the response there to shall be made in writing. Bid Security shall also be suitably extended.

6.9 Additional Charges

No additional charges would be considered other than the items listed in the technical specification of the RFP. Prices quoted will include verification/coordination of order, all costs for shipping, delivery to the site, setup, installation, commissioning, configuration and training etc.

6.10 Right to Request Additional Information

NITB reserves the right to request any additional information that might be deemed necessary during the evaluation process.

6.11 Right of Refusal

The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any Bidder who submitted a bid or proposal, the grounds for its rejection of all bids or proposals but is not required to justify those grounds.

The procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1) towards Bidder who have submitted bids or proposals.

Notice of the rejection of all bids or proposals shall be given promptly to all Bidders that submitted the proposals.

7. Submission of Bids

7.1 Sealing and Marking of Bids

Bid shall comprise a single sealed package containing two separate sealed envelopes. Each envelope shall contain separately the financial proposal and the technical proposal. Envelope shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion.

The bids along with the bid security, must be submitted at National Information Technology Board. Technical Proposal must contain BID Security envelop which would be opened at time of opening of technical proposal.



All submissions are due to the attention of the authorized person, no later than the date and time specified in [Annexure A](#). Any proposal received after the due date and time will not be accepted by NITB.

Proposal submissions must be organized according to the instructions provided in this and separately packaged, sealed and identified as follows:

- Identify as Technical or Financial Proposal
- Title: IT Infrastructure Procurement & Installation
- NITB, Plot No 24B, H-9/1, Islamabad, Pakistan.

Proposal submissions must include the following copies:

- One (1) original version of the entire Technical Proposal with original signatures.
- One (1) envelope containing BID Security must be submitted along with technical proposal
- One (1) photocopied version of the entire Technical Proposal.
- One (1) softcopy containing the entire Technical Proposal.
- One (1) original version of the Financial Proposal with original signatures.
- One (1) photocopied version of the entire Financial Proposal.
- One (1) softcopy containing the entire Financial Proposal.

Softcopies of Technical as well as financial proposal are required to be submitted in the form of USB in the respective sealed envelopes. The files must be unprotected, editable, electronic documents and must be clear of any viruses, imbedded documents, or executable links.

7.2 Extension of Time Period for Submission of Bids

NITB may extend the deadline for submission of bids, if the following condition exists.

- If NITB is convinced that such extraordinary circumstances have arisen owing to law-and-order situation or a natural calamity that the deadline should be extended.
- If NITB decides to extend the deadline due to any administrative reason.

7.3 Late Bids

Late bids shall not be considered.

7.4 Presentation by Bidders

Bidders may be asked to present their proposal as per the terms and conditions listed along with the announcement of this RFP. The Bidder will be required to provide and present a detailed and comprehensive project management plan that will become the sole source for determining implementation tasks and completion time of each task. The bidders are expected to present the technical proposal and the various components within the overall proposal. The bidder must be able to answer all queries and question of the evaluation/procurement committee within the presentation.



7.5 Modification or Withdrawal of Proposals

Proposal modification and withdrawal terms and conditions are governed PPRAs rules and Regulations. Such laws and regulations shall always prevail at all times. Under no circumstances shall a bidder be allowed to modify or withdraw his proposal if such actions are prohibited by the relevant Bid laws.

7.6 Submittal Requirements

- For Technical Proposal, please ensure that the listed requirements in “[Annexure B](#)” are provided.
- For Financial Proposal, please ensure that the listed requirements in “[Annexure C](#)” are provided.

8. Opening and Evaluation of Bids

8.1 Opening of Bids by NITB

Initially the envelopes marked “TECHNICAL PROPOSAL” and “BID Security” shall be opened and envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the NITB without being opened. NITB shall evaluate the technical proposal without reference to the price and may reject any proposal which does not comply with the specified requirements.

8.2 Modification of Bids

No bidder shall be allowed to alter or modify its bids after the expiry of deadline for the receipt of the bids unless, NITB may, at its discretion, ask a bidder for a clarification of bid for evaluation purposes. The request for clarification and the response shall be in writing and no change in the prices or substance of bid shall be sought, offered or permitted.

8.3 Missing Information

Information requested in this document is aimed to evaluate the bidder and their system in a best possible way, therefore NITB encourage bidder to furnish the information as requested in this document.



8.4 Addendum or Supplement to Request for Proposal

At any time prior to the deadline for submission of the Bid, NITB may, for any reason, whether on its own initiative or in response to a clarification request by prospective bidder, modify the RFP by issuing addenda.

A summary of all questions and responses as well as any adjustments regarding the scope of this Bid - if any, will be prepared and distributed to all potential bidders that submitted their intent to bid. (if any, changes will be reflected in the revised proposal published at NITB and PPRA Websites)

8.5 Shortlisting of the Bidders

Shortlisting will purely be based on the information provided in the submitted proposal and related documents, where the eligible bidder would acquire at least 60 score in the given technical evaluation criteria.

8.6 Current References

The Bidder must provide in the proposal the names and complete contact information of at least three (3) client references in prescribed format under [Annexure-D](#) who:

Are able to discuss Bidder's performance in providing solutions similar to those contemplated in this RFP, and have agreed to be contacted by NITB representatives. NITB expects the bidder to contact their client references to confirm their availability to speak with NITB during this time.

8.7 Bidder Evaluation

Contract(s) shall be awarded at the sole discretion of NITB after evaluation of the bidder's proposal, reference discussions, negotiations, determination of competitive advantage and cost. Bidder must have a satisfactory record of contract performance, integrity, business ethics, adequate financial resources (in the opinion of NITB) and vision to meet the contractual requirements contemplated in this RFP. By submitting a proposal, the Bidder warrants that:

- a) It is legally authorized to provide the subject solution(s) globally or locally,
- b) It is in compliance with all applicable laws and regulations,
- c) It is not prohibited from doing business with NITB/GoP by law, order, regulation or otherwise, and
- d) The person submitting the proposal on behalf of the Bidder is authorized to bind it to the terms of the proposal.



An evaluation committee (“Technical Evaluation Committee”) will evaluate all submitted proposals. Proposals may be evaluated and eliminated without further discussions and at the sole discretion of NITB. NITB will be the sole initiator of discussions to clarify or negotiate the proposal offerings. The NITB evaluation committee will evaluate each proposal based upon their understanding of the proposals. The NITB evaluation committee will conduct a fair, impartial and comprehensive evaluation of all proposals. If applicable, a contract shall be awarded, taking into consideration the best interests of NITB. The selection criteria are defined in subsequent section.

NITB reserves the right to award a contract without any further discussion with the bidder(s) who have submitted proposals in response to this RFP. Therefore, proposals should be submitted initially on the most favorable terms available to NITB from a price, contractual terms and conditions, and technical standpoint. However, NITB reserves the right to conduct discussions with Bidders who submit proposals that pass the initial screening process for the feasibility of the solution(s).

NITB is not under any obligation to reveal, to a bidder, how a proposal was assessed or to provide information relative to the decision-making process.

8.8 Proposal Acceptance

A proposal submitted in response to this RFP shall constitute a binding offer. Acknowledgment of this condition shall be indicated by the signature of the Participant bidder or an officer of the Participant bidder legally authorized to execute contractual obligations. A submission in response to this RFP acknowledges acceptance by the Participant of all terms and conditions including compensation, as set forth herein. A Participant shall identify clearly and thoroughly any variations between its proposal and the NITB’s RFP. **Bidder shall ensure that every page of their proposal is signed and stamped.**

8.9 Availability of Professional Staff / Experts

Having selected the bidder on the basis of, among other things, an evaluation of proposed professional staff, the NITB expects to get the contract executed by the professional staff named in the proposal. Before contract negotiations, the NITB shall require assurances that the professional staff shall be actually available. NITB shall not consider substitutions during contract negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such as death or medical incapacity. If this is not the case and if it is established that professional staff were offered in the proposal without confirming their availability, the Bidder may be disqualified. Any proposed substitute shall have equivalent or better qualifications and experience than the original candidate and his name be submitted by the Bidder within the period of time specified in the letter of invitation to negotiate.



8.10 Alternative Provisions

Alternative proposals are not allowed.

8.11 Redressal of Grievances by the Procuring Agency

The Redressal of Grievances will be addressed as per PPRA Rules

9. Award of Contract

9.1 Award Criteria

NITB shall award the contract to the successful bidder, whose bid has been determined to be substantially responsive in the view of our requirements & expectations and has provided the most competitive/advantageous bid, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.

9.2 NITB's Right to Accept Any Bid and to Reject Any or All Bids

NITB reserves the right to accept or reject any Bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the bidder(s).

9.3 Notification of Award

Prior to the expiration of the period of bid validity, NITB will notify the successful bidder in writing by letter or by facsimile, to be confirmed in writing by letter, that his/her bid has been accepted. The notification of award will constitute the formation of the contract.

Upon the successful bidder's furnishing of the performance security, NITB will promptly notify each unsuccessful bidder.

9.4 Signing of Contract

Within Fifteen (15) days from the date of notification of the contract award, the successful bidder shall furnish to NITB particulars of the person who would sign the contract on behalf of the successful bidder along with an original power of attorney executed in favor of such person. Draft contract will be shared with the successful bidder only.



9.5 Performance Security

Within (15) days of the receipt of notification of award of Contract from the Procuring Agency, the successful Bidder will furnish the Performance Security and sign the Contract. The value of Performance Security shall be 10% of the bid value to be issued by any scheduled bank of Pakistan having “A” rating. The Performance Security will remain valid till FAC sign off. Whereas, the warranty/support & Maintenance period shall commence upon Signing-off of PAC.

9.6 RFP Response Ownership

All information, materials and ideas submitted become the property of NITB upon submission. NITB reserves the right to modify, reject or use without limitation any or all of the ideas from submitted information. All information, materials and ideas contained in the Bidder’s proposal can be used by NITB without any restriction, provided that NITB will not disclose any financial and pricing information the Bidder designates as confidential with any other potential Bidder. NITB reserves the right to share, disclose or discuss to any of its consultants any proposal in response to this RFP in order to secure expert opinion. Please submit the softcopies of technical and financial proposals in USB / CD / DVD, along with the respective proposal in sealed envelopes.

9.7 Integrity Pact

The successful bidder(s) shall upon the award of the contract execute an Integrity Pact with NITB. [Specimen is attached in [Annexure-G](#)]

9.8 Non-Disclosure Agreement

The successful bidder(s) shall upon the award of the contract execute a Non-Disclosure Agreement with NITB. [Specimen is attached in “[Annexure H](#)”]

9.9 Contract Terms and Conditions

The successful bidder(s) shall upon the award of the contract, agree and sign a formal contract with NITB, which shall be based on the terms and conditions in this document, PPRA contractual guidelines and NITB's contractual requirements.

Wherever in conflict with the RFP and the contract or no safeguard of NITB is mentioned, the stipulation of PPRA 2004 as internally adopted by NITB shall prevail.



9.10 Mandatory support and Maintenance period

The Bidder shall be bound to provide mandatory onsite support and maintenance after the PAC Signing-Off without any additional cost for one (1 Year).

10. Scope of Work

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.

Note: Passive work which will be required during the project will be the responsibility of the bidder

11. Technical Parameters

- A highly secure, available, reliable, efficient, robust, network & IT Infrastructure for MoPA, Senate & NA.
- A Network Infrastructure shall be installed & Commissioned at National Assembly, Senate & MoPA, that comprises of hardware, software, systems and devices, and it enables computing and communication between users, services, applications and processes also with security considerations.
- A robust Network Infrastructure for all the systems including a reliable connectivity for communication.
- A Wireless Network Infrastructure shall be installed to ensure seamless connectivity with National Assembly, Senate and MoPA.
- A SAN Storage Network Shall be installed with SAN Switches and Storage to ensure storage services with security with respect to all users, services, applications and processes.
- SMS Gateway/Servers for Systems Generated SMS alerts for key information which needs timely delivery to the Parliamentarians and Secretariat Staff.
- This will be a Turnkey solution, so participating company MUST be a System Integrator having expertise in data center, Computing, Switching, Security, backup etc. so that all components should be integrated by the bidder.

12. Integration of Existing Hardware.

Successful bidder will be required for integration of existing System and network if any.



13. Trainings

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.

S. No	Training through Certified Professionals	Approx. Qty
1	Training of VMware vSphere	5-8
2	Training of Storage Area Network	5-8
3	Training of Networks Equipment	5-8
4	Training of NMS	5-8
5	Training of SQL/MS SQL Server	5-8
6	Training of Wireless Networks	5-8
7	Training of Notification Board	4-6
8	Training of SMS Server/Gateways	4-6
Training material, written and video for all users should be provided as part of Training.		

14. Project Documentation

Bidders are required to provide comprehensive documentation related to the project such as user manuals, training material, configurationally and administration manuals.

Further, the bidder shall provide editable copies of all documents/manuals for NITB's internal purposes without any additional fee.



15. Evaluation Process

15.1 Eligibility

Below is the criterion for the eligibility of the interested Bidders. These are all mandatory requirements and failing to comply will result in ineligibility for further technical evaluation. Please ensure complete and valid documentary evidences are provided, NITB reserves the right to check the authenticity of any submitted document.

S. No	Criteria	Compliance (Yes/No)
1.	Bidder is a registered/incorporated company in Pakistan with SECP at least for the last 03 years	
2.	Bidder has a valid Registration Certificate for Income Tax, Sales Tax and/or other allied agencies / organizations / regulatory authorities	
3.	Bidder is an Active Taxpayers as per Federal Board of Revenue (FBR)'s database i.e., Active Taxpayer List (ATL)	
4.	Audited financial statement duly Signed and Stamped by bidder to demonstrate that the bidder had minimum an average annual turnover of PKR 200 million in last (05) financial years.	
5.	Bidder Affidavit on Judicial / Stamp Paper attested by Notary Public which certifies to provide three-years warranty/guarantee after installation.	
6.	Affidavit on Judicial / Stamp Paper duly attested by Notary Public that the Bidder is not blacklisted by any government / semi government Department.	
7.	Affidavit on Judicial / Stamp Paper duly attested by Notary Public that bidder is 100% compliant to the RFP requirements.	
8.	Affidavit on Judicial / Stamp Paper duly attested by Notary Public that the proposed equipment has no backdoor channels and/or security loopholes.	

Note: Verifiable documentary proof is required for all above mandatory requirements.



15.2 Technical Evaluation Criteria and Bidder's Response

Bidder(s) are required to provide their responses on the following sheet:
Successful bidder must induct a dedicated Project Director and two dedicated Project managers.

SR. NO	EVALUATION CRITERIA	MAX MARKS																																																																													
1.	<p><u>General Work Experience:</u> Bidder MUST provide evidence in the form of completion certificate of projects related to IT Infrastructure within last 10 years. Calculation Criteria: One (01) *large-scale project – 05 marks Two (02) *large-scale projects – 10 marks Three (03) *large-scale projects – 15 marks Four (04) *large-scale projects – 20 marks Five (05) *large-scale projects – 25 marks</p> <p style="text-align: center;">*Large Scale Project Criteria => PKR 200 million</p>	25																																																																													
2.	<p><u>Team Capacity</u> Dedicated resources with minimum 2 years relevant experience to work on the tasks. Companies to provide resource profiles/CVs (Annexure-F) along with proof of their employment with the company. Calculation Categories:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th>Resource Type</th> <th>No.</th> <th>Marks</th> <th>No.</th> <th>Marks</th> <th>No.</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>CCNP Certified/Equivalent</td> <td>2</td> <td>2</td> <td>3-4</td> <td>3</td> <td>4+</td> <td>4</td> </tr> <tr> <td>VCP Certified</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>4</td> </tr> <tr> <td>SAN Certified</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> </tr> <tr> <td>ITIL Certified</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> </tr> <tr> <td>Fiber /LAN Technician</td> <td>3-5</td> <td>1</td> <td>6-10</td> <td>2</td> <td>10+</td> <td>3</td> </tr> <tr> <td>Certified Security Professional</td> <td>3-5</td> <td>1</td> <td>6-10</td> <td>2</td> <td>10+</td> <td>3</td> </tr> <tr> <td>Electrical Engineer</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>3+</td> <td>4</td> </tr> <tr> <td>Power Distribution Technician</td> <td>2-3</td> <td>1</td> <td>4-6</td> <td>2</td> <td>6+</td> <td>3</td> </tr> <tr> <td>Data Center Fire Protection Specialist</td> <td>2</td> <td>1</td> <td>3</td> <td>2</td> <td>3+</td> <td>3</td> </tr> <tr> <td style="text-align: right;"><i>Marks</i></td> <td></td> <td><i>12</i></td> <td></td> <td><i>21</i></td> <td></td> <td><i>30</i></td> </tr> </tbody> </table>	Resource Type	No.	Marks	No.	Marks	No.	Marks	CCNP Certified/Equivalent	2	2	3-4	3	4+	4	VCP Certified	1	2	2	3	3	4	SAN Certified	1	1	2	2	3	3	ITIL Certified	1	1	2	2	3	3	Fiber /LAN Technician	3-5	1	6-10	2	10+	3	Certified Security Professional	3-5	1	6-10	2	10+	3	Electrical Engineer	2	2	3	3	3+	4	Power Distribution Technician	2-3	1	4-6	2	6+	3	Data Center Fire Protection Specialist	2	1	3	2	3+	3	<i>Marks</i>		<i>12</i>		<i>21</i>		<i>30</i>	30
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3.	<p><u>ISO Certification:</u></p> <ul style="list-style-type: none"> • ISO/IEC 27001:2013 Information Security Management System. (2 marks) • ISO/IEC 9001 :2015 Quality Management System. (2 marks) 	04																																																																													
4.	<p>Bidder should be Tier-1/Gold/Premier Partner or equivalent with manufacturer/principal</p> <ul style="list-style-type: none"> • Computing (Servers, Storage, Virtualization and backup solutions) (2 marks) • Networks (Data Center Switching, Routing, and Security) (2 marks) • Power & Cooling solutions and documentary proof required. (2 marks) 	06																																																																													



5	OEM Presence* <ul style="list-style-type: none">OEM presence in Pakistan and direct support assurance by the Bidder (5 marks)OEM has spare part depots in Pakistan (5 marks)	10
6.	Proposal Review: Detailed Proposal with <ul style="list-style-type: none">Complete Drawings and design of solution (8 marks)Deployment, Configurations & Commissioning plan (5 marks)Troubleshooting and support plan (4 marks)Presentation of the Proposal (8 marks)	25
TOTAL MARKS		100
NOTE: <ul style="list-style-type: none">i. Total Technical Marks = 100 Marksii. Minimum Technical Qualifying Marks = 60 Marksiii. Financial Marks 100 Marksiv. Weightage of Technical Marks is 60%v. Weightage of Financial Marks is 40%		
* The bidder has to provide a valid documentary proof.		

15.3 Technical Proposals Evaluation Summary

- The Bidders shall be first checked for the eligibility, as per the requirements in eligibility criteria. Thereafter, all eligible bidders shall be shortlisted against the technical requirements.
- The shortlisted Bidders shall be technically evaluated and those securing a minimum of 60 marks in the technical evaluation will be qualified for Financial Evaluation.
- In case of only one bidder secures equal to or greater than 60 score in technical evaluation, NITB may decide to lower the cut-off score for healthy competition but not less than 50 marks in technical qualification.
- After the evaluation and approval of the technical proposals, the procuring agency shall open the financial proposals of the technically accepted bids, publicly at the time, date and venue announced and communicated to the bidders in advance, within the bid validity period.
- The financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders.
- The contract may be awarded to bidder(s) securing highest combined score of technical plus Financials Bids. The overall bid score has been divided as follows:
 - Technical Proposal Evaluation carries 60% weightage whereas
 - Financials Proposal Evaluation carries 40% weightage.

Please see below the formula for calculating the weightage:

- Technical score calculation: Bidder's Score= (Points Obtained in Technical Domain/Total points of Technical Domain) x 100
- Financial score calculation: Bidder's Score= (Min Bid Value / Bid in Consideration) x 100
- Total score = (Technical Score x 60%) + (Financial Score x 40%)



16. Technical Specifications

Technical specifications of Items/Equipment [Annexure-J](#)

IT Infrastructure/Hardware		National Assembly	Senate	MoPA	
Local Area Network					
Sr.#	Items/Equipment	Qty	Qty	Qty	Total Qty
1	Layer 3 Switch	2	2	0	4
2	48-Port Layer-2 Manageable Network Switch	9	4	0	13
3	24-Port Layer-2 manageable Network Switch	2	3	3	8
4	24 Port PoE Switch	2	1	0	3
5	12 Port Layer-2 Manageable Network Switch	2	0	0	2
6	12 Port Poe Layer-2 Manageable Network Switch	8	2	0	10
7	UTP CAT6 Cable	100,000 ft.	60,000 ft.	2000 ft.	1,62,000 ft.
8	UTP CAT 6A Patch Cord	24	21	13	58
9	Data Cabinet 42U	2	2	2	6
10	Data Cabinet 12 U	8	4	0	12
11	Data Cabinet 6 U	8	0	0	8
12	UTP Patch Panel 24 Port	36	14	3	53
13	UTP Patch Cord (3 meters)	450	434	0	884
14	UTP Patch Cord (1 meter)	450	264	0	714
15	Dual Shutter Face Plate	225	270	0	495
16	Fiber Optics Cable 8 Core SM	2000 meter	2000 meter	0	4000 meter
17	Fiber Optics Patch Cord (3 meters)	50	50	0	100
18	Pigtail	134	118	0	252
19	OFDF/8 port Rack Mountable	13	8	0	21
20	OFDF/24 port Rack Mountable OFDF	1	2	0	3
21	Splicing	134	118	0	252
Wireless Local Area Network					
22	Access Point	60	50	6	116
23	Wireless LAN Controller with Software	1	0	0	1
24	Computer for Wireless Lan Controller along with 55" LED Screen	1	0	0	1
Network Management & Monitoring					
25	Network Monitoring Software	1	1	0	2
26	Computer for Network Monitoring Software	1	1	0	2



27	55" LED Screen for Network Monitoring	1	1	0	2
Server Room (Estimated Covered Area 700 Sq. Feet approx.)					
28	Fire Alarm & fire Suppression System	1 Job	1 Job	0	2 jobs
29	Access Control System for Entry in Server Room	1 Job	1 Job	0	2 jobs
30	CCTV System for Monitoring of Server Room	1 Job	1 Job	0	2 jobs
31	In Row/Row based Air Conditioning Unit (CRAC)	2	2	0	4
32	Split Type Air Conditioner	3	3	0	6
33	UPS 30 KVA	2	2	0	4
34	Electrical Wiring & light Fittings	1 Job	1 Job	0	2jobs
35	Earth Pit &Earth Bus Bar	1 Job	1 Job	0	2jobs
36	Glass Partition	1 Job	1 Job	0	2jobs
37	Dumpa False Ceiling	1 Job	1 Job	0	2jobs
Servers, Security & Storage					
38	Server Machine	4	4	3	11
39	Storage Area Network	1	1	1	3
40	SAN Switch	2	2	0	4
Hardware for E-Parliamentary System & E-Committee System					
41	12.9" iPad/Tablets/Laptops	526	222	0	748
42	Stand for iPad/Tablets	526	222	0	748
43	Electrical Wiring	1 Job	1 Job	0	2 jobs
Complaint Management System					
44	Desktop Computer	1	1	0	2
Software					
45	Microsoft Windows Server	9	12	9	30
46	SQL Server 2019 Standard	1	1	1	3
47	VMware	1 (8 CPU licenses/1 license for VCenter	1 (8 CPU license/1 license for VCenter)	1 (6 CPU licenses/1 license for VCenter)	
48	Veeam Backup Software	1	1	1	3
Visitor Management System					
49	Operator Computer	1	1	0	2
Electronic Notice Board System					
50	55" Display LED	8	5	0	13



Computer Hardware					
51	Desktop Computer	56	28	49	133
52	Laptops	28	20	9	57
53	Medium Duty Printer	28	28	9	65
54	QR Printer	2	2	1	5
55	QR Scanner	4	4	1	9
56	A3 size Colour Printer	1	2	0	3
57	Face Reader Biometric Attendance Reader for MNAs/Senators	7	4	0	11
58	Heavy Duty Scanner for all Batches & for Library	27	27	0	54
59	SMS Notification Server Software/Gateway	1	1	1	3
60	Medium Duty scanner	0	0	9	9
Library Management System					
61	Desktop Computer	2	2	0	4
62	Book Scanner	1	1	0	2
One Window Operation					
63	Desktop Computer	4	4	0	8
Wireless Connectivity between National Assembly & A-Block Secretariat					
64	Wireless Connectivity/ Radio Link	1	0	0	1
Wireless Connectivity between Parliament House Block & C-Block Secretariat					
65	Wireless Connectivity/ Radio Link	0	1	0	1
Wireless Connectivity between R Block & Cabinet-Block & Senate Secretariat					
66	Wireless Connectivity/ Radio Link	0	0	2	2
Internet Bandwidth					
67	Internet Bandwidth/ 40 Mbps	0	0	1	1

Note:

- I. The proposed Professional equipment must be of latest models. Quantities may increase or decrease by NITB.



Annexures

Annexure A – RFP Schedule

Event No	Event Description	Timelines
1	Circulation / Advertisement of RFP	29 th December, 2022
2	Site Visits*	4 th January, 2023
3	Pre-Bid Meeting	6 th January, 2023
4	Pre-Bid Queries acceptance	9 th January, 2023
5	RFP Submission Date and Opening of Technical Proposal	7 th February, 2023
6	Technical Evaluation Result and Opening of Financial Proposal	Shall be intimated in due course of time
7	Announcement for Award of Contract	

*For site Visit Please Contact on picep@nitb.gov.pk (preferably)

*Contact # 051-9265414

*For Site Visit Please fill the form attached as [Annexure-I](#), Form has to reach NITB 24 hour before the site visit.



Annexure B – Submittal Requirements for Technical Proposal

S. No.	Description
1.	Cover Letter (on Bidder's Letter Head)
2.	Eligibility Requirements (Mandatory Requirements as mentioned in eligibility criteria)
3.	Responses to Sections 12 (Technical Evaluation Criteria & Bidder's Response) of this document.
4.	Executive Summary
5.	Company Profile (Profile, History, Addresses, Product / Solution Offerings, Contact Information, number of full-time employees, largest customer in Pakistan etc.)
6.	Detailed Project Execution Plan / Work Breakdown Structure
7.	Deployment Methodology, Approach and Tools: <ul style="list-style-type: none">• The Bidder(s) must provide a sample high-level execution plan and work breakdown structure based on their experience of a project with similar scope. This should be in the form of a summary plan and should contain only sufficient details as would be required to assess the Interested Party's competency.• The Methodology must include tasks deployment. Bidder must clearly list the following for each task/step (but not limited to):<ul style="list-style-type: none">- Purpose of the task- Prerequisites for initiation of the task- Bidder's team allocation for the task- Required coordination from NITB- Time allocated for the task- Work product/results of the task.
8.	Solution Deployment Architecture
9.	If applicable, details of alternative provisions where the bidder is proposing to deliver solution in a different manner than that specified in RFP.
10.	Training Methodology including Schedule & Plan
11.	Project Organization and Team Profiling (Annexure-E)
12.	OEM Presence in Pakistan (Proof/Certificate) (if any)
13.	Troubleshooting methodology
14.	System Service Support Plan
15.	Critical patches and updates
16.	Any other License or software necessary to run the system for integration purpose
17.	Phase-wise Deliverables
18.	Customer References and Relevancy
19.	Contact Details



Annexure D – Client References:

Reference One (1)	Response
Company name	
Contact name and title	
Company address/phone	
Industry	
Installed Solutions	
Comments	
Reference Two (2)	Response
Company name	
Contact name and title	
Company address/phone	
Industry	
Installed Solutions	
Comments	
Reference Three (3)	Response
Company name	
Contact name and title	
Company address/phone	
Industry	
Installed Solutions	
Comments	



Annexure E – Management Group and Staff Profiling

Name of Staff	Areas of Expertise	Position Assigned	Full Time / Project based

Sr. #	Name of Staff	Areas of Expertise	Position Assigned



Annexure F– Staff Resume

Proposed Position:	
Name of Staff:	CNIC #:
Date of Birth:	Age:
Nationality/Origin:	Number of Years with Bidder Company:
Educational Qualification:	
Relevant Work Experiences:	
Certifications:	
I am willing to work on the project as indicated in the deployment schedule and as required during the assignment period. I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me my qualification and my experience.	
Signature of Candidate	Signature of the Authorized Representative of the Company
Date:	
Email and Contact Number:	



Annexure G – Integrity Pact

__ [the Bidder] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing, [the Bidder] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[The Bidder] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty. [The Bidder] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [the Bidder] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Bidder] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

For and On Behalf Of

Signature: _____

Name: _____

NIC No: _____



Annexure H – Non-Disclosure Agreement

This Mutual Non-Disclosure Agreement (“Agreement”) is made and entered into between National Information Technology Board (NITB), and [Bidder Name], individually referred to as a ‘Party’ and collectively referred to as the ‘Parties’. The Parties wish to exchange Confidential Information (as defined below in Section 2) for the following purpose(s):

- a) to evaluate whether to enter into a contemplated business transaction; and
- b) if the Parties enter into an agreement related to such business transaction, to fulfil each Party’s confidentiality obligations to the extent the terms set forth below are incorporated therein (the “Purpose”).

The Parties have entered into this Agreement to protect the confidentiality of information in accordance with the following terms:

1. The Effective Date of this Agreement is _____ 2022/2023.

2. In connection with the Purpose, a Party may disclose certain information it considers confidential and/or proprietary (“Confidential Information”) to the other Party including, but not limited to, tangible, intangible, visual, electronic, present, or future information such as:

- Business secrets.
- Financial information, including pricing.
- Technical information, including Installation, Commissioning, Configuration, Integration & Testing of Network Infrastructure.
- Business information, including operations, planning, marketing interests, and products.
- The terms of any agreement entered into between the Parties and the discussions, negotiations and proposals related thereto and
- Information acquired during any facilities tours.

3. The Party receiving Confidential Information (a “Recipient”) will only have a duty to protect Confidential Information disclosed to it by the other Party (“Discloser”):

- If it is clearly and conspicuously marked as “confidential” or with a similar designation.
- If it is identified by the Discloser as confidential and/or proprietary before, during, or promptly after presentation or communication or
- If it is disclosed in a manner in which the Discloser reasonably communicated, or the Recipient should reasonably have understood under the circumstances, including without limitation those described in Section 2 above, that the disclosure should be treated as confidential, whether or not the specific designation "confidential" or any similar designation is used.

4. A Recipient will use the Confidential Information only for the Purpose described above. A Recipient will use the same degree of care, but no less than a reasonable degree of care, as the Recipient uses with respect to its own information of a similar nature to protect the Confidential Information and to prevent:

- Any use of Confidential Information in violation of this agreement; and/or
- Communication of Confidential Information to any unauthorized third parties. Confidential Information may only be disseminated to employees, directors, agents or third-party contractors of Recipient with a need to know and who have first signed an agreement with either of the Parties containing confidentiality provisions substantially similar to those set forth herein.



5. Each Party agrees that it shall not do the following, except with the advanced review and written approval of the other Party:

- Issue or release any articles, advertising, publicity or other matter relating to this Agreement (including the fact that a meeting or discussion has taken place between the Parties) or mentioning or implying the name of the other Party; or

- Make copies of documents containing Confidential Information.

6. This Agreement imposes no obligation upon a Recipient with respect to Confidential Information that:

- Was known to the Recipient before receipt from the Discloser.

- Is or becomes publicly available through no fault of the Recipient.

- Is independently developed by the Recipient without a breach of this Agreement.

- Is disclosed by the Recipient with the Discloser's prior written approval or

- Is required to be disclosed by operation of law, court order or other governmental demand ("Process"); provided that (i) the Recipient shall immediately notify the Discloser of such Process; and (ii) the Recipient shall not produce or disclose Confidential Information in response to the Process unless the Discloser has: (a) requested protection from the legal or governmental authority requiring the Process and such request has been denied, (b) consented in writing to the production or disclosure of the Confidential Information in response to the Process, or (c) taken no action to protect its interest in the Confidential Information within 14 business days after receipt of notice from the Recipient of its obligation to produce or disclose Confidential Information in response to the Process.

7. EACH DISCLOSER WARRANTS THAT IT HAS THE RIGHT TO DISCLOSE ITS CONFIDENTIAL INFORMATION. NO OTHER WARRANTIES ARE MADE. ALL CONFIDENTIAL INFORMATION DISCLOSED HEREUNDER IS PROVIDED "AS IS".

8. Unless the Parties otherwise agree in writing, a Recipient's duty to protect Confidential Information expires [YEARS] from the date of disclosure. A Recipient, upon Discloser's written request, will promptly return all Confidential Information received from the Discloser, together with all copies, or certify in writing that all such Confidential Information and copies thereof have been destroyed. Regardless of whether the Confidential Information is returned or destroyed, the Recipient may retain an archival copy of the Discloser's Confidential Information in the possession of outside counsel of its own choosing for use solely in the event a dispute arises hereunder and only in connection with such dispute.

9. This Agreement imposes no obligation on a Party to exchange Confidential Information, proceed with any business opportunity, or purchase, sell, license and transfer or otherwise make use of any technology, services or products.

10. Each Party acknowledges that damages for improper disclosure of Confidential Information may be irreparable; therefore, the injured Party is entitled to seek equitable relief, including injunction and preliminary injunction, in addition to all other remedies available to it.

11. This Agreement does not create any agency or partnership relationship. This Agreement will not be assignable or transferable by Participant without the prior written consent of the other party.

12. This Agreement may be executed in two or more identical counterparts, each of which shall be deemed to be an original including original signature versions and any version transmitted via facsimile



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and all of which taken together shall be deemed to constitute the agreement when a duly authorized representative of each party has signed the counterpart.

13. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof, and supersedes any prior oral or written agreements, and all contemporaneous oral communications. All additions or modifications to this Agreement must be made in writing and must be signed by the Parties. Any failure to enforce a provision of this Agreement shall not constitute a waiver thereof or of any other provision.

NITB	Company Name:
Address:	Address:
Name:	Name:
Signature:	Signature:
Title:	Title:
Date:	Date:



Annexure I – Performa for site Survey

Name:	CNIC #:
	Mobile #:
Company Name:	
Visit date:	
Description:	
Signature:	Signature & stamp of the Authorized Representative of the Company
Email:	

Note: Copy of CNIC/Employee ID Card is mandatory



Annexure J – Detailed Technical Specifications of Items/Equipment

IT Infrastructure/Hardware		National Assembly	Senate	MoPA	
Local Area Network					
Sr.#	Items/Equipment	Specifications	Qty	Qty	Qty
1	Layer 3 Switch	Layer 3 Switch having standalone fixed architecture, Switching capacity: 70 Gbps or higher, Forwarding Speed: 40 Mpps or higher, 48 Ports (SFP based) for Gigabit Ethernet over fiber optics, 2Ports for 10 Gbps uplink connectivity over fiber optics, built-in power supply, power cable, Software based fault tolerance, QoS and Filtering, Multi-layer switching and enhanced routing capability, Support of RIP, OSPF, DHCP snooping, Support multicast traffic, IGMP snooping, Support multiple VLANs, Support 802.1D Spanning tree protocol, 802.1w rapid spanning tree protocol, Security features: 802.1x, Access Control Lists (ACLs), Port security, secure shell (SSH), SNMP enabled, remote monitoring, Telnet support, Web based management interface, installation, configuration & testing.	2	2	0
2	48-Port Layer-2 Manageable Network Switch	Fixed configuration manageable layer-2 switch, Switching capacity: 50 Gbps or higher, 48-Port 10/100/1000 Mbps RJ-45 interface for user connectivity over UTP, 2-Ports for SFP based uplink connectivity over fiber optics, built-in power supply, power cable, Support 802.1P class of service, 802.1D spanning tree protocol, 802.1w rapid spanning tree protocol, 802.3ad port aggregation, DHCP snooping & multiple VLANs using 802.1 Q, SNMP enabled, Web based management	9	4	0



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		interface, installation, configuration & testing.			
3	24-Port Layer-2 manageable Network Switch	Fixed configuration manageable layer-2 switch, switching capacity: 50 Gbps or higher, 24-Port 10/100/1000 Mbps RJ-45 interface for user connectivity over UTP, 2-Ports for SFP based uplink connectivity over fiber optics, built-in power supply, power cable, Support 802.1P class of service, 802.1D spanning tree protocol, 802.1w rapid spanning tree protocol, 802.3ad port aggregation, DHCP snooping & multiple VLANs using 802.1 Q, SNMP enabled, Web based management interface, installation, configuration & testing.	2	3	3
4	24 Port PoE Switch	24 x 10/100/1000Base-T Ethernet Uplink: 2 x 1G (SFP+) or above, Layer 2 switching, Spanning Tree Protocol (802.1d) Fast convergence 802.1w, enabled by default Multiple Spanning Tree instances (802.1s), Link Aggregation Control Protocol(802.3ad) Support for up to 256 VLANs, installation, configuration & testing.	2	1	0
5	12 Port Layer-2 Manageable Network Switch	Fixed configuration manageable layer-2 switch with Rack Mount Kit, 12-Port 10/100/1000 Mbps RJ-45 interface for connectivity over UTP, 2 10/100/1000 Mbps Ports for uplink connectivity (SFP Interface), power cable, with complete installation, configuration & testing.	2	0	0
6	12 Port Poe Layer-2 Manageable Network Switch	Fixed configuration manageable layer-2 PoE switch with Rack Mount Kit, 12-Port 10/100/1000 Mbps RJ-45 interface for connectivity over UTP, 2 10/100/1000 Mbps Ports for uplink connectivity (SFP Interface) with complete installation, configuration & testing.	8	2	0



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7	UTP CAT6 Cable	4 pair cat-6 or higher UTP cable including cable laying, labeling and tagging	100,000 ft.	60,000 ft.	2000 ft.
8	UTP CAT 6A Patch Cord	UTP CAT 6A Patch Cord of size 3 meters	24	21	13
9	Data Cabinet 42U	Data Cabinet 42U, floor standing having 2 exhaust fans and power panel with minimum 08 sockets, glass door and key with complete installation	2	2	2
10	Data Cabinet 12 U	12U double sided wall mount data cabinet with power distribution unit Exhaust fan and keys with complete installation	8	4	0
11	Data Cabinet 6 U	6U double sided wall mount data cabinet with power distribution unit, Exhaust fan and keys with complete installation	8	0	0
12	UTP Patch Panel 24 Port with IOs	Patch Panel: UTP CAT-6 fully loaded 24-Port Patch Panel with rear cable management tray & Ties with complete installation	36	14	3
13	UTP Patch Cord (3 meters)	Patch Cord: UTP CAT-6 Patch Cord (3 meters) with complete installation	450	434	0
14	UTP Patch Cord (1 meter)	Patch Cord: UTP CAT-6 Patch Cord (1 meter) with complete installation	450	264	0
15	Dual Shutter Face Plate	Dual shutter Face Plate with RJ-45 I/O with complete installation	225	270	0
16	Fiber Optics Cable 8 Core SM	Optical Fiber Cable: 8 Core Single Mode Optical Fiber Cable	2000 meter	2000 meter	0
17	Fiber Optics Patch Cord (3 meters)	Fiber Patch Cord (3 meter)	50	50	0
18	Pigtail	Fiber Pigtail Single Mode	134	118	0
19	OFDF/8 port Rack Mountable	8 port rack mountable OFDF with couplers	13	8	0
20	OFDF/24 port Rack Mountable OFDF	24 port rack mountable OFDF with couplers	1	2	0
21	Splicing	Optical fiber splicing (for 8 core fiber)	134	118	0



Wireless Local Area Network					
22	Access Point	Data transfer Rate from 300 Mbps to 1.7 Gbps, IEEE 802.11ac or higher compliant, Backward compatibility with 802.11 a/b/g/n Clients, Support for PoE Full duplex and half duplex communication mode, Provide 10/100/1000 port for network connection, Frequency: 2.4GHz/5GHz, Security features of WPA2 (802.11i) , 802.1X and IEEE 802.11 WEP keys of 128 bits, Advance Encryption Standard (AES), Mounting brackets, Operating temperature: -4 to 50° C, SNMP enabled, Web based management interface, MIMO: 3x3 or higher spatial streams, Dual Band & Dual Radio, Detect and mitigate unknown and rouge devices, Built in LAN controller with complete installation, configuration & testing.	60	50	6
23	Wireless LAN Controller with Software	Manage IEEE 802.11 a/b/g/n/ac or higher compliant Access Points, Support 1000 or higher Users, Security standard IEEE 802.11i, WPA 2, Advance Encryption Standard (AES), Temporal Key Interchange Protocol (TKIP), Wired Equivalent Privacy (WEP) encryption, Support for AAA, Simple Network management Protocol enabled, Web based interface, Support telnet , Maintain system log, Provide 10/100/1000 port for connection to core switch, Support scalability of the wireless LAN, License for 60 AP or higher included, Rack mountable with 19” rack kit, Automatic Roaming, Auto radio power adjustments, Client load balancing, Auto band selectable, Multiple SSID support with complete installation, configuration & testing and with	1	0	0



		And as approved by Consultant/Engineer In-charge.			
24	Computer for Wireless Lan Controller along with 55" LED Screen	Intel Core i7 11th Generation Processor or higher with 3.4 GHz and above speeds, Mother Board: Intel Original, 8 GB 1DDR4 memory, Hard Disk Drive: 1 TB 7200 RPM, Built in Sound Card , Network Adapter: Built-in 10/100/1000 base-T Ethernet card, USB Keyboard, Mouse: USB Optical Mouse with mouse pad, Tower casing having FAN with manufacturer standard power watt , Operating System: Microsoft Windows 10 Pro or higher(Licensed) higher type or higher, Monitor: 55" LED,1024 × 768 or higher Resolution with HDMI Input with complete installation, configuration & testing.	1	0	0
Network Management & Monitoring					
25	Network Monitoring Software	Predefined Monitoring for known Applications and Hardware, Built in Monitoring Policies, Automated device discovery and mapping, Real time monitoring, Web based interface, Standards based SNMP monitoring, Ability to collect events from SNMP traps and syslog, Should run on Windows 7 , 8.1 and 10 or higher, Support for Availability Monitoring, Real Time alerts including Audio/Video/ Email alerts, Reporting and Graphs generation capabilities, Long term Trend Graphs, Ability to view event logs, Ability to provide alert histogram, availability reports , alert history with different criteria (time, device, service etc.), Ability to define threshold values, Support for minimum 100 devices, Support the grouping of devices, Support prioritize monitoring, Device level performance monitoring, Application aware monitoring, Real	1	1	0



		time health and performance monitoring, Support dynamic network monitoring with complete installation, configuration & testing.			
26	Computer for Network Monitoring Software	Intel Core i7 11th Generation Processor or higher with 3.4 GHz and above speeds, Mother Board: Intel Original, 8 GB 1DDR4 memory, Hard Disk Drive: 1 TB 7200 RPM, Built in Sound Card, Network Adapter: Built-in 10/100/1000 base-T Ethernet card, USB Keyboard, Mouse: USB Optical Mouse with mouse pad, Tower casing having FAN with manufacturer standard power watt, Operating System: Microsoft Windows 10 Pro or higher (Licensed) higher type with complete installation, configuration & testing.	1	1	0
27	55" LED Screen for Network Monitoring	55" LED, 1024 × 768 or higher Resolution with HDMI Input	1	1	0
Server Room (Estimated Covered Area 700 Sq. Feet approx.)					
28	Fire Alarm & fire Suppression System	Fire Alarm & Suppression System which includes Intelligent Addressable Smoke Detectors, Intelligent Addressable Heat Detectors, Intelligent Addressable Abort Switch, Intelligent Addressable Manual Pull Station, Intelligent Addressable Supervised Control Module, Intelligent Addressable Monitor Module, Fire Alarm Motor Bell, Fire Alarm Sounder & Flasher, Fire Suppression System and Control wiring	1 Job	1 Job	0
29	Access Control System for Entry in Server Room	Colored 2.5" or higher TFT LCD Screen with keypad, function and navigation keys, Store Finger Print Templates of 1000 users, Transaction Storage: 10000, Resolution: 500 dpi, Finger Print Sensor: Optical, Ten fingers	1 Job	1 Job	0



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		template against same ID, Response time: < 2 sec, Standard Connectivity: TCP/IP and RS 232/485 interface, Wall mounted, Customized Software and Attendance Computer of Intel Core i7 11th Generation Processor or higher with 3.4 GHz and above speeds, Mother Board: Intel Original, 8 GB 1DDR4 memory, Hard Disk Drive: 1 TB 7200 RPM with complete installation, configuration & testing.			
30	CCTV System for Monitoring of Server Room	Full HD IP Based IR POE Bullet Cameras (Qty=4) with 2 Mega Pixel resolution (1920 × 1080), H.264 compression, real time 300fps (PAL) at full resolution (1920 × 1080), 3.2 mm to 10 mm motorized varifocal lens, WDR, 8 Channel Full HD NVR with 1 TB Built-in Storage, LED 22" with complete installation, configuration & testing.	1 Job	1 Job	0
31	In Row/Row based Air Conditioning Unit (CRAC)	50-degree high ambient heavy-duty operation of cooling/heating type along with refrigerant piping & fitting foundation and support etc., CRAC-1/CU-1 (nominal capacity of 84000 BTU/HR) (One stand-by) with complete installation, configuration & testing	2	2	0
32	Split Type Air Conditioner	50-degree high ambient heavy-duty operation of cooling/heating type wall mounted Split type Air Conditioners along with condensers and piping etc. of 24000 BTU/HR with complete installation, configuration & testing.	3	3	0
33	UPS 30 KVA	30 KVA Tower Casing UPS with internal Batteries/external SEALED Main. Free Input Voltages: 220/230/240/380/400/415VAc 3 phase (340 to 470VAC), Stabilizer. Input Frequency: 50HZ. (45-65HZ), Out Put Voltages: 220/230/240/980/400/415 +- 1%	2	2	0



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		(selectable) (3phase). Input/output Power Factor= 1/1, Crest Factor: 3:1, True Online Double Conversion Pure Sine wave output. Parallel redundant operation with RPA Kit, internal / external O/P Isolation transformer. Standard Minutes backup time on 75% load. Overloading capacity 125% for 10 minutes and 150% for 01 minute. Thresh Hold Harmonics Distortion ratio 1%. IGBT Pure Pulse Rectifier. Inverter efficiency up 93% Audible Noise 65 dbA. Controls should be microprocessor based. Highly Compliant to the International Standards i.e., CE, IEC620401-2-3, IEC 60950 &ISO 9001 Certified with complete installation & testing.			
34	Electrical Wiring & light Fittings	Wiring (Normal Supply and UPS Supply), Distribution Board etc.	1 Job	1 Job	0
35	Earth Pit & Earth Bus Bar	Providing, installation, testing & commissioning of Chemical earth point for UPS power to achieve an earth resistance of less than one ohm, work includes making earth electrode with 1" dia 10 feet long pure copper earthing rod at a depth of water table, complete with construction of CC inspection chamber, 70 MMx2 bare copper rope connected between earth rod and Earth Bus Bars on the wall with all fitting accessories. Completed in all respects. Installation & testing.	1 Job	1 Job	0
36	Glass Partition	Tempered double glazed glass partitioning between equipment room & NOC, Minimum thickness: 16mm Aluminum frame with anodized surface with complete installation	1 Job	1 Job	0
37	Dampa False Ceiling	Dumpa false Ceiling consisting of aluminum sheet 0.7mm thick size (600x600mm) having unique design and quality finishing, fixing with	1 Job	1 Job	0



		aluminum tee of size 1.5 x 1” at 2 c/c complete in all aspects with complete installation.			
Servers, Security & Storage					
38	Server Machine	2 x Latest Generation Intel Xeon@24C 35.75M Cache Processor, 12 x 32 GB DDR4 RAM, 2 x 480GB SSD SAS or higher Hot Pluggable drives supported by RAID controller card, minimum 4 x 1Gbps Ethernet ports or higher, minimum 3 PCI Express ports, redundant power supply, redundant fans, internal DVD-RW optical drive, 2U form factor with rack rails, installation, testing.	4	4	3
39	Storage Area Network	Dual Controller hot swappable per chassis controller (active/active) with 10Gbe Base-T Ports, HDD: 4 x 860Gb H.D.D or higher, 6x2.4TB 10Krpm SAS, 6 x 12TB NL SAS, Software with thin Provisioning, Auto Tiering, Snapshots, Clones, Replication, archiving, etc. installation & testing.	1	1	1
40	SAN Switch	24 x 10GBase-T ports, Full L2/L3 switching and routing, installation & Testing.	2	2	0
Hardware for E-Parliamentary System & E-Committee System					
41	12.9” iPad/Tablets/ Laptops	Touch Screen iPad/ Tablets of size 12.9” or higher and with minimum 6Gb RAM, 128Gb ROM.	526	222	0
42	Stand for iPad/Tablets	Adjustable Stand for iPad/Tablets	526	222	0
43	Electrical Wiring	Power DB, Electrical wiring and power sockets	1 Job	1 Job	0
Complaint Management System					
44	Desktop Computer	Computer machine as per the requirements of customized software/controller with following minimum specifications: Intel Desktop Board, CPU Core i7 2.4 Ghz 11th generation or higher, Intel based graphics card, 8 GB RAM, HDD 500 GB SATA, Super Drive, Keyboard, Mouse, LED Screen 24”, Operating System Windows 10,	1	1	0



		Minimum 04 USB ports, 10/100/1000 Mbps LAN Card, Complete installation, configuration & testing.			
Software					
45	Microsoft Windows Server	Microsoft Windows Server Std 2019 and higher with media kit, installation & testing	9	12	9
46	SQL Server 2019 Standard	Standard – server 4 Core license	1	1	1
47	VMware	8 CPU licenses	1 (8 CPU licenses/1 license for VCenter)	1 (8 CPU license/1 license for VCenter)	1 (6 CPU licenses/1 license for VCenter)
48	Veeam Backup Software	Veeam backup software with continuous data protection	1	1	1
Visitor Management System					
49	Desktop Computer	Separate machine as per the requirements of customized software/controller with following minimum specifications: a. Intel Desktop Board, CPU Core i7 2.4 Ghz 11th generation or higher, Intel based graphics card, 8 GB RAM, HDD 500 GB SATA, Super Drive, Keyboard, Mouse, LED Screen 24”, Operating System Windows 10, Minimum 04 USB ports, 10/100/1000 Mbps LAN Card, Complete installation, configuration & testing.	1	1	0
Electronic Notice Board System					
50	55" Display LED	Picture: Crystal Processor 4K, Crystal Display, HDR, Motion Rate 120, Smart Features: Smart TV Powered by Tizen, Universal Guide, Works with Alexa, Works with Google Assis tant, TV Plus, Connections: 2 HDMI, eARC Port 2, 1 USB Connection, LAN Port, 802.11AC built-in Wi-Fi, Bluetooth, Optical Audio Output Port, Audio: Dolby® Digital Plus, 20-Watt 2 Channel,	8	5	0



		Industry Certifications: 4K Ultra HD Connected			
Computer Hardware					
51	Desktop Computer	11th Generation or higher Intel Core i7 Processor or higher, 8GB (1x8GB) DDR4 non-ECC Memory, 3.5-inch 1TB 7200rpm SATA Hard Disk Drive, Windows 10 Pro or higher (64bit) licensed, 24" branded LED screen with complete installation, configuration & testing.	56	28	49
52	Laptops	11th Generation or higher Intel Core-i7 Processor or higher, 15.6" HD (1366 x 768) Anti-Glare Non-Touch display with Camera & Microphone, 8GB,1x8GB, DDR4 Non-ECC memory, 256GB SSD Hard Disk, Windows 10 Pro or higher(64bit) licensed.	28	20	9
53	Medium Duty Printer	Duplex Laser Jet Network Printer, up to 1200x1200 dpi resolution,38 ppm or above print speed, up to 80,000 pages or higher duty cycle, 1200 MHz or higher processor speed, 128 MB or higher RAM, Hi-speed USB 2.0 or higher, 1 Gigabit Ethernet 10/100/1000T network.	28	28	9
54	QR Printer	Printer Type: Label Printer, Technology: Thermal Transfer, Resolution: Min 200 dpi or higher, Print Speed: 4"/ sec. or higher Memory: 8 MB RAM or higher, Output Type: Black & White, Media Capacity: 1 Roll, Media Type: Continuous Forms, Labels, Reflective, stickers, Roll Tags, Connectivity: USB, Certification's/FCC Certificate. Other Requirement: Able to print barcodes.	2	2	1
55	QR Scanner	Scan Rate: 100 scans per second or higher, Data Rate: Up to 1Mbits/s, connectivity: Bluetooth 2.0 or higher, Decode Capabilities: Reads standard 1D, PDF, 2D, Postal and OCR symbology, scan mode: hand	4	4	1



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		held with stand and other standard accessories.			
56	A3 size Colour Printer	Processor: 800 MHz or higher, RAM: 512 MB or higher Print Speed: Up to 27 ppm or higher (black/ color), Duplex Printing: Automatic, Display: LCD/LED, Interface: USB 2.0, Gigabit LAN, Resolution (B&W, Color)600 x 600, Paper Size: A3, A4, Letter, Legal. Paper Tray: 2 Paper Trays minimum (1 Multipurpose), OS: Windows 8/8.1/10 drivers. Compatible USB cable and other allied accessories.	1	2	0
57	Face Reader Biometric Attendance Reader for MNAs	High Resolution Infrared Camera, RS232, RS485, TCP/IP, USB, Identification time : <=2S, Transaction Storage : 1,00,000, Algorithm Version: Face 7.0 with RFID based Colored 2.5" or higher TFT LCD Screen with keypad, function and navigation keys, Store Finger Print Templates of 1000 users, Transaction Storage: 10000, Resolution: 500 dpi, Finger Print Sensor: Optical, Ten fingers Template against same ID, Response time: < 2 sec, Standard Connectivity: TCP/IP and RS 232/485 interface, Wall mounted, Battery Backup minimum 4 hour with complete installation, configuration & testing.	7	4	0
58	Heavy Duty Scanner for all Batches & for Library	Duplex Automatic Document Feeder with Flatbed, 600dpi or higher Resolution, 45PPM or higher with B/W and color scanning speed, 60 page or higher ADF Document capacity, Duty Cycle Minimum 7000 scans per day from ADF with other standard features along-with USB cable, drivers support of Microsoft Windows 7/8/10/11 and etc., Scan File Format: File compression, TIFF/Multipage TIFF,	27	27	0



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		PDF, RTF, Txt, and searchable PDF.			
59	SMS Notification Server Software	SMS Notification Server Software	1	1	1
60	Medium Duty Scanner	Sheet feed scanner, CIS or latest scanning technology, Speed (Black & White and Color) 40 ppm (200/300 dpi) or higher, Hi-speed USB 2.0 or higher, Duty Cycle: 5,000 or higher daily volume, 75 sheets or higher ADF capacity, Supporting Operating System: Windows 10 or higher.	0	0	9
Library Management System					
61	Desktop Computer	11th Generation or higher Intel Core i7 Processor or higher, 8GB (1x8GB) DDR4 non-ECC Memory, 3.5-inch 1TB 7200rpm SATA Hard Disk Drive, Windows 10 Pro or higher(64bit) licensed, 24" branded LED screen with complete installation, configuration & testing	2	2	0
62	Book Scanner	Maximum Scan Area 390 x 480 mm (15.3 x 18.9 inch), 50% more than DIN/ISO A3Scanner Resolution 400 x 400 dpi (optionally 600 x 600 dpi)Scan Speed DIN A3+ @ 150 dpi: 0.8 s, DIN A3+ @ 200 dpi: 0.9 s, DIN A3+ @ 300 dpi: 1.3 s, DIN A3+ @ 400 dpi: 1.7 s , DIN A3+ @ 600 dpi: 2.4 sColor Depth 48 bit color, 16 bit grayscale Scan Output 24 bit color, 8 bit grayscale, bitonal, enhanced halftone File Formats Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG),AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, raw data and more ICC Profiles Embedded for sRGB, Adobe RGB and native. Individual profiling via web based Scan2ICC	1	1	0



		subscription Quality Complies to FADGI *** guidelines, Metamorfoze Light, ISO 19264-1 Camera CCD line sensor, 22,500 pixels (11,000 scan lines equals to a 245 MPixel matrix camera) Live Preview Camera CMOS matrix, area sensor Light Source White LEDs, tested according to IEC 62471, no IR/UV emission Lamp Lifetime 50,000 h typ. Lamps are covered by the Extended Warranty Option Computer 64 bit Linux, Intel Core i3 generation 8 processor, 240GB SSD, 8 GB memory for extra-large jobs Touchscreen 21" full HD 1920 * 1080 multitouch screens Port 1 x USB 3.0 port, 4 x USB 2.0 port Interface 1 GBit fast Ethernet with TCP/IP based Scan2Net® interface			
One Window Operation					
63	Desktop Computer	11th Generation or higher Intel Core i7 Processor, 8GB (1x8GB) DDR4 non-ECC Memory, 3.5-inch 1TB 7200rpm SATA Hard Disk Drive, Windows 10 Pro or higher(64bit) licensed, 24" branded LED screen with complete installation, configuration & testing.	4	4	0
Wireless Connectivity between National Assembly & A-Block Secretariat					
64	Wireless Connectivity / Radio Link	Complete Wireless Connectivity solution between A-Block and National Assembly Datacenter using the wireless bridge/ Radio Link.	1	0	0
Wireless Connectivity between Parliament House Block & C-Block Secretariat					
65	Wireless Connectivity / Radio Link	Complete Wireless Connectivity solution between Senate datacenter and C-Block Secretariat using the wireless bridge/ Radio Link	0	1	0
Wireless Connectivity between R Block & Cabinet-Block & Senate Secretariat					
66	Wireless Connectivity / Radio Link	Complete Wireless Connectivity solution between (R-Block to Cabinet Division & MoPA to Senate	0	0	2



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		Data Centre) using the wireless bridge/ Radio Link			
Internet Bandwidth					
67	Internet Bandwidth/ 40 Mbps	Provision of 40 Mbps Internet bandwidth infrastructure over Fiber Optics with complete Installation, Laying and Termination in the Core switch Ethernet Interface for 06 months	0	0	1



Annexure K – Security Audit Criteria of Hardware and allied Software Components

Third Party Audit Firm Criteria		
SR.	EVALUATION PARAMETER	REQUIREMENTS
1	Business Existence	In Relevant Business for minimum of 5 years
2	Company must have relevant experience	The Company shall provide following: Project Completion Certificate (Issued by the Client) At least 2 Projects of the same nature
3	Technical Resources and Experience	Technical Resources must have experience in the relevant field for at least 3 years
4	Affidavit from the Bidder	Bidder must submit an Affidavit at the time of “Supply of Equipment” that there is/will be no loop hole such as a back door channel in delivered/installed solution and equipment, and a certificate from principal manufacturer for the same purpose will be required.



Annexure L - List of Abbreviations

PICEP	President Initiative for Cyber Efficient Parliament
PPRA	Public Procurement Regulatory Authority
RFP	Request for Proposal
EMD	Earnest Money Deposit
QCBS	Quality and Cost Based Selection
MoPA	Ministry of Parliament Affairs
UPS	Uninterruptible power supply
SQL	Structured Query Language
DBMS	Database Management System
SMS	Short Message Service
HLD	High Level Diagram
LLD	Low Level Diagram
FOC	Free of Cost
TOR	Terms of Reference
OEM	Original Equipment Manufacturer
PAC	Provisional Acceptance Certificate
PO	Purchase Order
GoP	Government of Pakistan
SAN	Storage Area Network
NMS	Network Monitoring system
ATL	Active Taxpayer List
CCNP	Cisco Certified Network Professional
ITIL	Information Technology Infrastructure Library.
LAN	Local Area Network
VCP	VMware Certified Professional
ISO	International Organization for Standardization
IEC	International Electrotechnical Commission
POE	Power over Ethernet
OFDF	Optical Fiber Distribution Frame
CRAC	Computer Room Air Conditioning



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SFP	Small Form-factor Pluggable
QoS	Quality of Service
RIP	Routing Information Protocol
OSPF	Open Shortest Path First
ACL	Access Control List
SNMP	Simple Network Management Protocol
UTP	Unshielded Twisted Pair cable
WEP	Wired Equivalent Privacy
AES	Advance Encryption Standard
AP	Access Point
TFT	Thin-Film-Transistor
NVR	Network Video Recorder
NOC	Network Operation Control
RAID	Redundant array of independent Disks
HDD	Hard disk drive
eRAC	Enhanced Audio Return Channel
DDR	Double Data Rate
ECC	Error correction code
ADF	Automatic Document Feeder
TIFF	Tagged Image File Format
CIS	Contact image sensor
IR / UV	Infrared / Ultraviolet