



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

**INVITATION FOR BIDS**

For Supply of IT Hardware, Server Room renovation and Support Renewal

Tender No. NITB-PMO-4(15)/2019

**March 31, 2020**

[www.nitb.gov.pk](http://www.nitb.gov.pk)

Plot no 24-B, Street No 6, Sector H-9/1, Islamabad



## EXECUTIVE SUMMARY

National IT Board (NITB) is an attached department of Ministry of IT & Telecom and is mandated to undertake and coordinate e-government initiatives at federal ministries/divisions and departments, provide consulting and advisory services in acquiring and implementing IT solutions as well as IT capacity building of staff of these organizations.

## General Terms & Conditions

### 1. Scope of Work, Timeframe

- 1.1 Supply and Installation of equipment at the Prime Minister's Office, Islamabad through NITB, Islamabad
- 1.2 Detailed specifications are attached as Annexure-II.
- 1.3 NITB may increase or decrease quantities of one or more items

| S.No.   | SCHEDULE OF REQUIREMENTS   |          | Warranty Period Required | TIMEFRAME / PERIOD OF SUPPLY/DELIVERY from the date of issuance of purchase order. |
|---|--|----------|--------------------------|--|
|   | IT HARDWARE / SOFTWARE/ SERVICES ITEMS   | QUANTITY |                          |  |
| <b>Lot #. 1 LAPTOP CAT-I</b>                            |  |          |                          |  |
| 1   | LAPTOP CAT-I (APPLE).  | 01 Nos.  | 01 years                 | Six (06) to Eight (08) Weeks   |
| <b>Lot #. 2 LAPTOPS AND DESKTOPS (Turnkey Solution)</b> |  |          |                          |  |
| 2   | Laptop CAT-II (Professional/Corporate Series) - Renowned Brand along with licensed MS Windows 10 Pro 64 bit OEM. | 29 Nos.  | 01 years                 | Six (06) to Eight (08) Weeks   |
| 3   | Desktop (Professional/Corporate Series) - Renowned Brand along with licensed MS Windows 10 Pro 64 bit OEM.       | 40 Nos.  |                          |  |
| <b>Lot #. 3 Printers (Turnkey Solution)</b>             |  |          |                          |  |
| 4   | Laser Jet Printer (Renowned Brand)   | 20       | 01 years                 | Six (06) to Eight (08) Weeks   |
| 5   | Colour Laser Jet Printer (Renowned Brand)  | 02       |                          |  |
| <b>Lot #. 4 Networking (Turnkey Solution)</b>           |  |          |                          |  |
| 6   | Wireless Access Point With Mounting Brackets   | 29       | 02 Years                 | Six (06) to Eight (08) Weeks   |
| a.  | 12 Ports PoE+ Switch Access Switch   | 06       | 01 Years                 | Six (06) to Eight (08) Weeks   |
| b.  | 8 U Data Cabinet   | 01       |                          |  |
| c.  | Cable Manager  | 04       |                          |  |
| d.  | 8 Port Loaded Rack Mount ODF   | 02       |                          |  |
| e.  | 0.5 m Patch Cords  | 100      |                          |  |
| f.  | 8 Core Multimode Optical Fiber   | 300      |                          |  |



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|  |  |                    |        |                              |
|--|--|--------------------|--------|------------------------------|
| 8.   | 24 Port Patch Panel  | 01                 |        |                              |
| <b>LOT # 5 Internet Access Manager (IAM)</b>                               |  |                    |        |                              |
| 7.   | Internet Access Manager  | 01                 | 3 Year | Six (06) to Eight (08) Weeks |
| <b>LOT # 6 Mobile Phones</b>   |  |                    |        |                              |
| 8.   | IPhones  |                    |        |                              |
| a.   | iPhone 8 Plus  | 01                 | 1 Year | Six (06) to Eight (08) Weeks |
| b.   | iPhone XS MX   | 01                 |        |                              |
| 9.   | Android Phone  | 01                 |        |                              |
| a.   | Samsung Galaxy J2 (2017)                                       | 01                 |        |                              |
| b.   | Samsung Galaxy A70   | 01                 |        |                              |
| c.   | Oppo Reno 3  | 01                 |        |                              |
| d.   | Huawei Y10   | 01                 |        |                              |
| e.   | Samsung Galaxy J7 Pro  | 01                 |        |                              |
| <b>LOT # 7 LEDs (Turnkey Solution)</b>                                     |  |                    |        |                              |
| 10.  | LED 75' branded (original)                                     | 02                 | 3 Year | Six (06) to Eight (08) Weeks |
| 11.  | LED 55' branded (original)                                     | 01                 |        |                              |
| 12.  | LED 32' branded (original)                                     | 04                 |        |                              |
| <b>LOT # 8 Multimedia Projectors Screen</b>                                |  |                    |        |                              |
| 13   | Multimedia Projectors Screen                                   | 02                 | 1 Year | Six (06) to Eight (08) Weeks |
| <b>LOT # 9 Video Conferencing Equipment</b>                                |  |                    |        |                              |
| 14.  | Video Conferencing Solution                                    | 01                 | 3 Year | Six (06) to Eight (08) Weeks |
| <b>LOT # 10 Purchase of SAN Hard Disks and Dell Server Support Renewal</b> |  |                    |        |                              |
| 15   | Storage Area Network Hard Drives                               | 05                 | 2 Year |                              |
| 16   | Dell Server and SAN Hardware Support Renewal                   |                    |        |                              |
| a.   | POWEREDGE R730   | 04                 | 2 Year | Six (06) to Eight (08) Weeks |
| b.   | POWEREDGE R720   | 01                 |        |                              |
| c.   | DELL STORAGE SC2020  | 01                 |        |                              |
| <b>LOT # 11 Server Room Renovation (Turnkey)</b>                           |  |                    |        |                              |
| 17.  | CCTV Solution  |                    |        |                              |
| a.   | Cameras  | 04                 | 1 Year | Six (06) to Eight (08) Weeks |
| b.   | NVR 8CH  | 01                 |        |                              |
| c.   | 8 Port POE Network Switch                                      | 01                 |        |                              |
| 18.  | Conventional Fire Control System                               | As Per Annexure-II |        |                              |
| 19.  | Door Access System & Time attendance                           |                    |        |                              |
| 20.  | Renovation Civil Work  |                    |        |                              |
| 21.  | Electrical Work  |                    |        |                              |
| 22.  | AC Power Distribution  |                    |        |                              |
| 23.  | Furniture  |                    |        |                              |
| 24.  | Fiber Runner/Cable tray system - Job completion in all respect |                    |        |                              |
| 25.  | 2- Ton AC FLOOR STANDING AIR CONDITIONER (HAIER) Or equivalent |                    |        | 02                           |
| 26.  | Miscellaneous Work   |                    |        |                              |



## 2. About responding organizations-ROs

- 2.1. The Responding Organization-RO must be registered with Sales Tax Registration Department and should be in possession of valid NTN number. Copies of the certificates must be provided with the bid.
- 2.2. The RO must provide on letter head, Name of organization, details of offices across Pakistan and location of Head office, size of company (number of employees), number of years of being incorporated (at least last **02 years in existence**). List of certified and dedicated service Engineers/technicians should be provided.
- 2.3. The RO to provide information as per template available at Annexure I, II and III.
- 2.4. The RO may not propose any kind of refurbished, Used, End of Life, and Near End of Life equipment /components in their proposals.
- 2.5. The RO shall be responsible for payment of any duties/taxes etc. that are imposed by the GOP during the currency of the project. The bided price MUST be inclusive of all taxes. The RO is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government.
- 2.6.
  - a. The RO must be a certified Tier-I Service Level Partner of the Original Manufacturer for past 02 years at least for **Lot # 2 and Lot # 10** Only.
  - b. The RO shall be certified direct partner/authorized distributor/authorized reseller of the Original Manufacturer for **past 02 years at least** for **Lot # 1,3,4,5,7,9**.
  - c. The RO must be Accredited Tier Specialist ATS from Uptimes Institute or better and Certified Data Center Design Professional CDDCDP or better for **Lot # 11**.
- 2.7. Onsite installation & relevant services to be provided by the vendor.
- 2.8. Financial capability and yearly growth rate (business revenue) in past 02 years.
- 2.9. RO must provide value, size and nature of projects done in past 02 years at least with respect to quoted products.
- 2.10. RO must be in IT business for last three (02) years at least.
- 2.11. RO should have successfully completed two (02) similar projects in size, nature & value of the quoting items.

### Preparation of Bids

- 2.12. The Bid Bond to be enclosed in a separate envelope, labelled as "Bid Bond", and which should be sealed. **It must be ensured that bid bond should not be in the same envelope as the financial proposal. In the technical bid, RO must confirm on company's letter head that the Bid Bond is being submitted as required by NITB.**
- 2.13. Envelope for financial proposals should clearly mark: "Financial Proposal". Two hard copies of Technical Proposal and Financial proposal are required. **Soft copies of both Technical proposal and financial proposal must be provided along with bid envelopes in inerasable format.**
- 2.14. Main Envelope for Technical proposal should clearly mark "Technical Proposal". Main envelope for technical proposal should contain 02 hard copies and 02 soft copies of the technical proposal (each being physically separated, bound, sealed and labelled as "Technical Proposal"). Each envelope should contain similar supporting documents.
- 2.15. **Detail of technical specifications is attached at Annex-II. Initial evaluation/screening will be done as per Annex I; whereas, technical evaluation as per Annex III. Responding Organizations should provide all details in required templates provided under:**



- 2.15.1. **Annexure-I for Initial Screening**
- 2.15.2. **Annex-III for technical evaluation (technical proposal envelope)**
- 2.15.3. **Annex- IV for financial evaluation (in the financial proposal envelope).**
- 2.16. Responding Organizations should duly fill in and submit the **Bid Forms** (01, 02, 03, 04, 05)
- 2.17. Responding Organizations must quote all items in Lot or bid for all lots.
- 2.18. A bid bond, in the shape of a Bank Draft/Pay Order in the name of Project Director, National Information Technology Board, equivalent to 2% of the total cost of bid should be submitted along with the tender.
- 2.19. RO shall submit and affidavit that it is not blacklisted by any Federal, Provincial Public sector organization.
- 2.20. RO must provide at least two (02) Successfully delivery from the previous customers.
- 2.21. All proposal and price shall remain valid for a period of **120 days** from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.
- 2.22. All currency in the proposal shall be quoted in Pakistan Rupees (PKR).
- 2.23. The successful vendor shall be required to deposit in the form of a Bank Guarantee, a Performance Bond upon execution of the contract, a sum equivalent to **ten percent (10%)** of the contract value, this Bank Guarantee shall be issued by a scheduled bank operating in Pakistan and shall be kept valid from the date of issue, and should cover the warranty period after all contractual obligations have been fulfilled.
- 2.24. Hardware equipment should have one (**01**) year local warranty or as mentioned in technical specification, including parts and Labour with onsite support.
- 2.25. The end user licenses, end user warranties and end user contracting support services will be in the name of Customer, for all the equipment and Software loaded on the equipment delivered during the course of the project.
- 2.26. All equipment should be supplied through verifiable distribution channels.
- 2.27. RO should clearly indicate the duration of delivery (**MUST** be in requested timeframe) of equipment after the award of contract.

### **Pre-Bid Meeting:**

- 2.28. A Bidders' meeting will be held in the premises of National Information Technology Board, on below mentioned address on **Dated 6<sup>th</sup> April 2020 at 11:00 AM**. All queries relating to RFQ should be faxed or e-mailed to [shahid.jadoon@nitb.gov.pk](mailto:shahid.jadoon@nitb.gov.pk) at least 02 days before the bidders' conference. Answer to the submitted queries shall be given on priority basis in the conference.

### **Submission of Bids**

- 2.29. Proposals shall be delivered by hand or courier so as to reach the address given below by the last date indicated for submission. PROPOSALS RECEIVED BY FAX OR EMAIL SHALL NOT BE ACCEPTED.
- 2.30. **Director (F & A)** National Information Technology Board, Plot no 24-B, Street No 6, Sector H-9/1, Islamabad. Phone: 051- 9265042, 051- 9204218, 051-9008267 **Fax 051-9265376**
- 2.31. Bids may be submitted to undersigned in a **SEALED CONFIDENTIAL COVER** at the address given above latest by dated **15<sup>th</sup> April 2020 at 1030hrs**. Technical bids will be opened on the same date and venue at **11:00hrs** in front of bidders.
- 2.32. Date and time for the opening of the Financial Bids, after thorough technical evaluation of the



bids, shall be communicated to the technically qualified bidders only, whereas the Financial bids of technically disqualified bidders shall be returned un-opened. In this connection, see PPRA Rule: 36(b) in general and PPRA Rule: 36-b(viii) in particular.

### 3. **Award of Contract**

#### 3.1. **Acceptance of Bid and Award Criteria**

The bidder after qualifying through given criteria in Annexure I will be called in for financial opening. In financial opening the lowest bidder will be selected as per PPRA rules, if not in conflict with any other law, rules, regulations or policy of the Government of Pakistan, shall be awarded the Contract, within the original or extended period of bid validity

#### 3.2. **Procuring Agency's Right over quantities at the time of Award**

The Procuring Agency reserves the right at/after the time of award of Contract to increase or decrease, the quantity of goods up to 15% as originally specified in the Schedule of Requirements (Annexure-I) without any change in unit price or other terms and conditions. Payment will be made for the items actually delivered as per rate per unit provided by the bidder.

#### 3.3. **Notification of Award**

**3.3.1.** Prior to the expiration of the period of bid validity, the Procuring Agency shall notify to the successful Bidder in writing that the bid has been accepted.

**3.3.2.** The notification of award shall constitute the formation of the Contract between the Procuring Agency and the successful Bidder.

**3.3.3.** The enforcement of the Contract shall be governed by Rule 44 of the PPRA-

#### 3.4. **Signing of Contract**

**3.4.1.** After the notification of award, the Procuring Agency shall send the successful Bidder the Contract Form/Document

**3.4.2.** The Contract shall become effective upon affixation of signature of the Procuring Agency and the selected Bidder on the Contract document

**3.4.3.** If the successful Bidder, after completion of all codal formalities shows an inability to sign the Contract then its Bid Security shall stand forfeited and the firm may be blacklisted and de- barred from future participation, whether temporarily or permanently. In such situation the Procuring Agency may award the contract to the next lowest evaluated Bidder or call for new bids.

### 4. **Performance Guarantee**

4.1. On the date of signing of Contract, the successful Bidder shall furnish a Performance Guarantee @ 10% of the total Contract Cost of Lot/Lots, on the Form and in the manner prescribed by the Procuring Agency

4.2. The Bid Security submitted by the successful bidder at the time of submitting its bid shall be returned to the Bidder upon signing of contract, successful delivery of goods, furnishing of the performance/bank guarantee and confirmation of the performance/bank guarantee by the NITB with the Bank of the successful bidder.

4.3. Failure to provide a Performance Guarantee by the successful Bidder is a sufficient ground for annulment of the award and forfeiture of Bid Security. In such event the Procuring Agency may award the contract to the next lowest evaluated bidder or call for new bid



### Implementation & Payment Schedule

|    | <b>Milestone</b>   | <b>Time Period</b>  | <b>Payment</b>                   |
|----|--|---|----------------------------------|
| 1. | Supply, Installation, configuration and testing of Equipment (Hardware/Software) | Six (06) to Eight (08) Weeks from the date of signing of contract / issuance of purchase order.   | 100%                             |
| 2. | End of performance Guarantee   | Performance Guarantee will have to be provided to cover the warranty period of the hardware as mentioned in Technical Specification from the date of successful testing and acceptance. | Release of Performance Guarantee |



## Annexure-I

### Evaluation Criteria

Bids evaluation shall be subject to 100% compliance to the following criteria for Vendors qualification:

| General terms and conditions compliance  | Clause  | Yes/No |
|--|---------|--------|
| 1) The Responding Organization-RO must be registered with Sales Tax Registration Department and should be in possession of valid NTN number. Copies of the certificates must be provided with the bid.             | 2.1     |        |
| 2) The RO must be a certified Tier-I Service Level Partner of the Original Manufacturer for past 02 years at least for <b>Lot # 2 and Lot # 10</b> Only.   | 2.6 (a) |        |
| The RO shall be certified direct partner/authorized distributor/authorized reseller of the Original Manufacturer for <b>past 02 years at least</b> for <b>Lot # 1,3,4,5,7,9</b> .                                  | 2.6 (b) |        |
| The RO must be Accredited Tier Specialist ATS from Uptimes Institute or better and Certified Data Center Design Professional CDDCDP or better for <b>Lot # 11</b>  | 2.6 (c) |        |
| 3) Financial capability and yearly growth rate (business revenue) in past 02 years   |         |        |
| 4) RO must be in IT business for at least last two (02)years.  | 2.10    |        |
| 5) RO should have successfully completed two (02) similar projects in size, nature & value of the quoting items.   | 2.11    |        |
| 6) A bid bond, in the shape of a Bank Draft/Pay Order in the name of Director (F & A), National Information Technology Board, equivalent to 2% of the total cost of bid should be submitted along with the tender. | 2.18    |        |
| 7) RO shall submit and affidavit that it is not blacklisted by any Federal, Provincial Public sector organization  | 2.19    |        |
| 8) RO must provide at least two (02) Successfully delivery.  | 2.20    |        |
| The product must be compliant to the technical specifications mentioned in Annexure-II   |         |        |

**Evaluation & Award Committee** will verify the compliance with specifications mentioned in Annexure-II





**Annexure-II**

**Technical Specification**

| <b>Hardware Items</b> |  |            |
|-----------------------|--|------------|
| <b>S.#</b>            | <b>Items</b>   | <b>Qty</b> |
| <b>1.</b>             | <b>LOT# 1 LAPTOP CAT-I</b>   | <b>01</b>  |
|                       | <p>Apple MacBook Pro Touch Bar Core i5 8th Generation or higher<br/> <b>RAM:</b> 8GB or higher<br/> <b>Hard Disk:</b> SSD 256GB or higher<br/> <b>Display:</b> (13-inch, space gray)<br/> <b>Model:</b> 2019<br/> <b>Warranty:</b> 1 Year comprehensive local warranty</p>   |            |
|                       | <b>LOT # 2 Laptop and Desktop (Turnkey Solution)</b>   |            |
| <b>2.</b>             | <b>LAPTOP CAT-II</b>   | <b>28</b>  |
|                       | <p><b>Type:</b> Renowned Brand<br/> <b>CPU:</b> 9th Generation Intel Core i7-9850H Processor (6 Core, 12MB Cache, 2.6 GHz, 4.6GHz Turbo) or equivalent<br/> <b>Graphics:</b> Intel integrated Graphics or equivalent<br/> <b>Display:</b> 14.0" FHD Anti-Glare Non-touch, RGB Camera &amp; Mic<br/> <b>Memory:</b> 8GB, 1x8GB, DDR4 Non-ECC<br/> <b>Hard Disk:</b> 512GB Solid State Drive or higher<br/> <b>Network interface:</b> Integrated 10/100/1000 Gigabit Ethernet LAN / Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ Bluetooth 4.2 or equivalent<br/> <b>Pointing device:</b> Dual Pointing Backlit US English Keyboard or equivalent<br/> <b>Battery:</b> 4 Cell 68Whr Battery or equivalent<br/> <b>External I/O Ports:</b> 1 USB Type C™ 3.1 Gen 2 with Power Delivery &amp; DisplayPort / 02 x Laptops with Thunderbolt 3 with Power Delivery &amp; DisplayPort<br/> 3 USB 3.1 Gen 1, one with PowerShare<br/> 1 HDMI 2.0<br/> 1 RJ-45<br/> <b>OS:</b> Windows 10 Pro 64 OEM<br/> <b>Carrying Case:</b> Shoulder Strap, Handle<br/> <b>Warranty:</b> 1 Year comprehensive local warranty</p> |            |
| <b>3.</b>             | <b>Desktop (Branded)</b>   | <b>40</b>  |
|                       | <p><b>Type:</b> Renowned Brand<br/> <b>Processor:</b> Intel® Core™ i7-9700 9<sup>th</sup> Generation (8 Cores/12MB/8T/3.0GHz to 4.7GHz/65W) or higher<br/> <b>Graphic:</b> AMD Radeon™ R5 430, 2GB, LP (DP/DP) (3.4 GHz, 8 MB cache, 4 cores) or higher/equivalent<br/> <b>RAM:</b> 8GB 1X8GB DDR4 2666MHz UDIMM Non-ECC or higher<br/> <b>Chipset:</b> Intel® compatible chipset or equivalent<br/> <b>Hard Disk:</b> 1TB 7200 RPM SATA Hard Disk Drive or higher<br/> <b>Optical:</b> 8x DVD+/-RW 9.5mm Optical Disk Drive or equivalent<br/> <b>Network:</b> LAN Integrated 10/100/1000M Gigabit Ethernet Controller or equivalent<br/> <b>WLAN:</b> Hi-Speed Wi-Fi – Up to 1300Mbps Wi-Fi 802.11ac Dual Band, Backward Compatibility or equivalent</p>   |            |





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|             | <p>x 340 mm)16K (195 x 270 mm)16K (184 x 260 mm)16K (197 x 273 mm)Postcard(JIS) (100 x 147 mm)Double Postcard(JIS) (147 x 200 mm)Envelope 10 (105 x 241 mm)Envelope Monarch (98 x 191 mm)Envelope B5 (176 x 250 mm)Envelope C5 (162 x 229 mm)Envelope DL (110 x 220 mm)A5-R (210 x 148 mm)</p> <p><b>Media types:</b> Paper (bond, brochure, coloured, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes</p> <p><b>Compatible Operating System::</b> Windows® 10, 8.1, 8, 7: 32-bit or 64-bit and Apple® OS X Mavericks (v.10.9), OS X El Capitan (v10.11), OS X Yosemite (v10.10)</p> <p><b>Mobile Printing Capability:</b> Wi-Fi Direct printing; AirPrint1.5 with media presence sensor; Google Cloud Print™ 2.0; Smart App for Android and IOS</p> <p><b>Others:</b> Supply of extra Toner and Proof of easily availability of original tonner from Rawalpindi and Islamabad market at least three authorized dealers or suppliers reference with documents.</p> <p><b>Warranty: 1-year warranty</b></p>  |           |
|             | <b>LOT # 4                      Networking (Turnkey Solution)</b>   |           |
| <b>6.</b>   | <b>Wireless Access Point With Mounting Brackets</b>   | <b>29</b> |
|             | <p>Access Point support 802.11 a/b/g/n/ac wave II standards, work on 2.4 GHz and 5 GHz band simultaneously, Throughput: 600 Mbps (2.4 GHz) and 1.3 Mbps (5 GHz), Support 256 QAM on 2.4 GHz and 5 GHz bands, Channelization of 20 MHz, 40 MHz and 80 MHz, 3 x 3 MIMO with 3 Spatial Streams, Dual Polarized Integrated smart Directional antenna array, adaptive Polarization Diversity- MRC (PD-MRC), Integrated Antenna elements support 1000+ unique antenna pattern, Beamflex and Beamflex+ Technology, 3 dBi physical antenna gain 3-5dB (TX/RX) Beamflex gain, 802.3af POE standards, 2 x Gigabit port.(1 of them must be Power over Ethernet 802.3 af), Wireless Security : WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i, AP should Authentication : RADIUS, AD and LDAP, integrated NAT and DHCP as Standalone Access Point, 802.1q VLAN tagging, multiple SSID per band, Implement Wi-Fi alliance standards WMM, WMM-PS, 802.11d, 802.11h and 802.11e, not less than 200 Concurrent clients support, IP multicast video streaming, Device must support IPv4, IPv6 and Dual Stack, Mounting Bracket: Mounts to hard wall/ceiling, outlet box, pole, truss. Includes Security screw</p> <p><b>1 Year Comprehensive Warranty</b></p> |           |
| <b>6(a)</b> | <b>12 Ports PoE+ Switch Access Switch</b>   | <b>06</b> |
|             | <p><b>Ports:</b> 12x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 2x 1G SFP ports upgradable to 2x 10G SFP+ with license.</p> <p><b>Out of Band Ethernet Port:</b> Out of Band Ethernet Port 10/100/1000Mbps RJ45, Console Port RJ45, File Transfer USB Port.</p> <p><b>Power POE:</b> 124 W POE+ power budget or Higher</p> <p><b>Switching capacity:</b> at-least 68Gbps or higher</p> <p><b>Forwarding capacity:</b> at-least 50Mpps or higher</p> <p><b>Protocol and ACL:</b> 16k MAC address entries, 4K Active VLAN Support, Spanning Tree Protocols (IEEE 802.1D, IEEE 802.1W and IEEE 802.1S), Link Aggregation on mixed port types (copper and fiber), IGMP Snooping (v1/v2/v3),The equipment must support bidirectional ACL, port-based ACL, VLAN-based ACL</p>   |           |



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|              | <p><b>L3 Support:</b> Should Support Basic Layer 3 Protocols (Should have capability to Enhance the Layer Function by adding license for Future Use)<br/> <b>Open Flow 1.3:</b> Support for Future Integration with SDN Controller<br/> <b>Other:</b> Should support Hybrid Port Mode on all the Switch Ports<br/> <b>1 Year Comprehensive Warranty</b></p>  |               |
| <b>6(b)</b>  | 8 U Data Cabinet   | <b>01</b>     |
| <b>6 (c)</b> | Cable Manager  | <b>04</b>     |
| <b>6(d)</b>  | 8 Port Loaded Rack Mount ODF   | <b>02</b>     |
| <b>6(e)</b>  | 0.5 m Patch Cords  | <b>100</b>    |
| <b>6(f)</b>  | 8 Core Multimode Optical Fiber   | <b>300</b>    |
| <b>6(g)</b>  | 24 Port Patch Panel  | <b>01</b>     |
| <b>6(h)</b>  | Installation of 29 Ruckus Wireless APs including Labouring, Cabling, Pointing, Termination, Fitting, PVC Pipes, Ducting, Tagging, Cabinets Installation, Laying of Optical Fiber, Installation of ODF, Splicing of Optical Fiber, Fiber Tagging, patching at patch Panels, UTP Cable Laying/Ducting/Tagging and End to End Complete Testing. Extra 8 Point Cable laying for future use of AP and patching.   | <b>01 Job</b> |
| <b>6(i)</b>  | Testing/Tagging/Commissioning of exiting 384 Nodes   | <b>1 job</b>  |
| <b>7.</b>    | <b>LOT # 5 Internet Access Manager (IAM)</b>   | <b>01</b>     |
|              | <p><b>Hardware Performance</b><br/> Must Have Minimum 400Mbps Live Throughput or More (All Features Enabled)<br/> Must Have Minimum 2,000 Concurrent Users or More<br/> Must Have 180,000 Concurrent Connections (TCP) or More<br/> Must Have 2,000 New Connections (TCP)<br/> Must Have Minimum 4GB Memory RAM<br/> Must Have 1TB Storage Capacity or More<br/> Must Have Minimum 6 x Copper 1G Ethernet Interfaces (1 Pair Bypass 1G Ethernet)</p> <p><b>General Features</b><br/> Must Have Role-Based Administration with Permission Control<br/> Must Have IPv4 &amp; IPv6 Environment Traffic Monitoring and Control<br/> User Authentication &amp; Management<br/> Must Have User Identification Base on IP Address, MAC Address, Hostname<br/> Must Have User Binding Base on IP Address and MAC Address<br/> Must Have Identification of Endpoint such as Mobile, PC and etc.<br/> Must Have SMS Authentication, Captive Portal and etc.<br/> Must Have Captive Portal Integration with Microsoft Active Directory<br/> Must Have Customizable Captive Portal HTML Page<br/> Must Have URL Redirection After Captive Portal Authentication<br/> Must Have Single Sign-On (SSO) Authentication Base on Active Directory, Radius, POP3 and other Database Servers<br/> Must Have QR Code Authentication with Self-Registration Capability</p> <p><b>Application Control &amp; Identification</b><br/> Must Have More Than 6000+ Application Signatures<br/> Must Have to Block HTTPS Application and HTTPS Traffic without Install SSL Certificate<br/> Must Have to Display Warning Message for Blocked URL<br/> Must Have Application Control Policy with Application Based, Service Based, User Based and Schedule Based Policy<br/> Must Have Punishment Policy for User Internet Violation (Block Internet Access for Certain Period, Limit Bandwidth Speed for Certain Period and etc.)</p> |               |



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|           | <p>Must Have to Differentiate Local Pakistan Traffic &amp; International Traffic in Live Graph Display</p> <p>Must Have Anti-Proxy Module which will effectively block Proxy Application / VPN Application such as TOR Browser, Browsec, Ultrasurf, FreeGate and etc.</p> <p><b>Bandwidth Management</b></p> <p>Must Have Quota Based Bandwidth Management (Daily and Monthly)</p> <p>Must Have Limited Bandwidth Channel and Priority Bandwidth Channel</p> <p>Must Have Dynamic Bandwidth Management</p> <p>Must Have Per User Based Bandwidth Management</p> <p>Must Have Bandwidth Management Policy with Application Based, Service Based, User Based and Schedule Based</p> <p><b>Report Center</b></p> <p>Must Have Built-In Internal Report Center for Minimum 12 Months Logs</p> <p>Must Have External Report Center Hardware OR Software for Longer Report Logs Storage</p> <p>Must Have to Generate Overall Network Information such as Maximum Concurrent User, Maximum Bandwidth Utilization, Network Peak Hour and etc.</p> <p>Must Have to Record User Traffic Logs with Details such as URL, Source IP Address, Destination IP Address, DNS Server, MAC Address, Source Port, Destination Port, Protocol, Timeline and etc.</p> <p>Must Have to Generate Report with Different Timeline such as Yearly, Monthly, Weekly, Hourly, Minutely and Secondly</p> <p>Must Have to Log Incoming Email and Outgoing Email with Sender Address, Recipient Address, Email Title, Send Time, Receive Time, Email Attachment and etc.</p> <p>Must Have Big Data Report Analysis Capability such as Internet Addiction Risk Analysis, Electricity Waste Analysis and etc.</p> <p><b>Software License &amp; Service Subscription</b></p> <p>3 Years URL Database &amp; Application Signature License Subscription</p> <p>3 Years Firmware Upgrade Subscription</p> <p>3 Years Return to Factory Hardware Warranty Subscription</p> <p>3 Years 24x7 Technical Remote Support</p> |                      |
|           | <b>LOT # 6</b>   | <b>Mobile Phones</b> |
| <b>8.</b> | <b>IPhone</b>  |                      |
| <b>a.</b> | <b>IPhone 8 Plus</b>   | <b>01</b>            |
|           | <p>OS: iOS 12.</p> <p>Screen size: 5.5-inch.</p> <p>Resolution: 1080 x 1920.</p> <p>RAM: 3GB.</p> <p>Storage: 64 GB.</p>   |                      |
| <b>b.</b> | <b>IPhone XS MX</b>  | <b>01</b>            |
|           | <p>OS: iOS 12.</p> <p>Screen size: 6.5-inch.</p> <p>Resolution: 2688 X 1242</p> <p>RAM: 4GB.</p> <p>Storage: 64 GB.</p>  |                      |







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|            | <p>Y)   Ethernet (LAN)   Wireless LAN Built-in   Anynet+ (HDMI-CEC)</p> <p>Others: With all accessories and wall mounting brackets and stand</p> <p><b>Warranty: 3-year warranty</b></p>   |           |
| <b>11.</b> | <b>LED 55' branded (original)</b>  | <b>01</b> |
|            | <p><b>Key Features/Specification equivalent or higher</b></p> <p>The real 4K UHD TV</p> <p>UHD Resolution</p> <p>PurColour</p> <p><b>Specifications</b></p> <p>Display Size: 55"</p> <p>Resolution: 3,840 x 2,160</p> <p>Picture Engine: UHD Engine</p> <p>PQI: 1300</p> <p>Motion Rate: 100</p> <p>Contrast: Mega Contrast</p> <p>Color: PurColor</p> <p>Micro Dimming: UHD Dimming</p> <p>Contrast Enhancer: Yes</p> <p>Audio: Dolby Digital Plus   DTS Codec   Sound Output (RMS) 20 W   Speaker Type 2 CH (Down Firing w / Bass Reflex)   Multiroom Link.</p> <p>Smart Services: Web Browser   Smart tv</p> <p>Convergence: Mobile to TV - Mirroring, DLNA   360 Video Player   WiFi Direct</p> <p>Connectivity: HDMI 3   USB 2   Component In (Y/Pb/Pr) 1   Composite In (AV) 1 (Common Use for Component Y)   Ethernet (LAN)   Wireless LAN Built-in   Anynet+ (HDMI-CEC)</p> <p>Others: With all accessories and wall mounting brackets and stand</p> <p><b>Warranty: 3-year warranty</b></p> |           |
| <b>12.</b> | <b>LED 32' branded (original)</b>  | <b>04</b> |
|            | <p><b>Key Features/Specification equivalent or higher</b></p> <p>The real 4K UHD TV</p> <p>UHD Resolution</p> <p>PurColour</p> <p><b>Specifications</b></p> <p>Display Size: 32"</p> <p>Resolution: 1,366 x 768</p> <p>Picture Engine: Hyper Real</p> <p>PQI: 400</p> <p>Motion Rate: 50</p> <p>Contrast: Mega Contrast</p> <p>Color: PurColor</p> <p>Micro Dimming: Micro Dimming Pro</p> <p>Contrast Enhancer: Yes</p>   |           |



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|            | <p>Audio: Dolby Digital Plus   Sound Output (RMS) 10 W   Speaker Type 2 CH   Multiroom Link.</p> <p>Smart Services: Web Browser   Smart tv</p> <p>Convergence: Mobile to TV - Mirroring, DLNA   WiFi Direct</p> <p>Connectivity: HDMI 2   USB 1   Component In (Y/Pb/Pr) 1   Composite In (AV) 1   Ethernet (LAN)   Wireless LAN Built-in   Anynet+ (HDMI-CEC)</p> <p>Others: With all accessories and wall mounting brackets and stand</p> <p><b>Warranty: 3-year warranty</b></p>  |           |
| <b>13.</b> | <b>LOT # 8                      Multimedia Projectors Screen</b>   | <b>02</b> |
|            | <p>8' x 6' Tripod Projection Screen. 120" Diagonal Screen size. Matt White Screen with 4 side Black Border.</p> <p>Compatible with all types of Projector.</p> <p>Warranty: 1-year warranty</p>  |           |
| <b>14.</b> | <b>LOT # 9                      Video Conferencing Equipment</b>   | <b>01</b> |
|            | <p><b>Audio protocols:</b> G.711A/G.711U/G.722/G.722.1C/G.729/Opus/AAC-LD</p> <p><b>Video protocols:</b> H.263/H.263+/H.264 HP/H.264 BP/H.264SVC/H.265</p> <p><b>Presentation protocols:</b> H.239/BFCP</p> <p><b>Video features:</b></p> <ul style="list-style-type: none"> <li>Video resolution</li> <li>4K 30 fps</li> <li>Dual-stream resolution</li> <li>4K30 + 4K30</li> <li>1080p 60 fps +1080p 60 fps (4K 15 fps)</li> <li>1080p 30 fps +1080p 30 fps (4K 8 fps)</li> <li>Data conference</li> <li>1080p 30 fps/4K 8 fps</li> </ul> <p><b>Audio features:</b> Acoustic Echo Cancellation (AEC), Automatic Noise Suppression (ANS), Automatic Gain Control (AGC), VoiceClear, AudioEnhancer</p> <p><b>Security:</b></p> <ul style="list-style-type: none"> <li>H.235/TLS for signaling encryption and SRTP for media encryption</li> <li>SSH/HTTPS transmission encryption and dual-stream encryption</li> </ul> <p><b>Video input:</b></p> <ul style="list-style-type: none"> <li>2 x HDMI</li> </ul> <p><b>Video output:</b> 2 x HDMI</p> <p><b>Audio input:</b></p> <ul style="list-style-type: none"> <li>1 x HD-AI (level 2)</li> <li>1 x XLR connector</li> <li>1 x HDMI (audio input)</li> <li>2 x RCA</li> </ul> <p><b>Audio output:</b></p> <ul style="list-style-type: none"> <li>4 x RCA</li> <li>2 x HDMI (audio output)</li> </ul> <p><b>Other ports:</b></p> <ul style="list-style-type: none"> <li>2 x USB 2.0 Type-A</li> <li>1 x PoE network port</li> </ul> |           |





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|  | <p>2 x 10/100/1000 Mbit/s LAN port<br/>1 x Wi-Fi (built-in)</p> <p><b>Integration:</b><br/>System should have the integration capability to connect with Huawei Cloud video conference solution deployed in NTC.</p> <p><b>Warranty: 3-year warranty</b></p>   |           |
| <b>14 (a)</b>  | <b>Camera</b>  |           |
|  | <p><b>Camera:</b> Product must provide a full HD PTZ camera, which support 1080p 30fps resolution.</p> <p><b>Zoom:</b> Product must support more 12x optical zoom or more.</p> <p><b>View:</b> Maximum horizontal field of view 80°, Maximum vertical field of view 50°.</p> <p>Pan Range: ± 110°, Tilt Range: ± 30°</p>                                       |           |
| <b>14(b)</b>   | <b>Microphone</b>  |           |
|  | Microphone array which must be up to 360-degree sound pickup and an optimal pick-up range of 6 meters or more.   |           |
| <b>LOT # 10 Purchase of SAN Hard Disks and Dell Server Support Renewal</b> |  |           |
| <b>15</b>  | <b>Storage Area Network Hard Drives</b>  | <b>05</b> |
|  | <p><b>Service Tag:</b> 9G9B2K2<br/><b>Model:</b> DELL STORAGE SC2020</p>   |           |
| <b>16.</b>   | <b>Dell Server and SAN Hardware Support Renewal</b>  |           |
| <b>16 (a)</b>  | <p><b>Server Model:</b> POWEREDGE R730<br/><b>Expiry Date:</b> 13/5/2020<br/><b>Service Tag:</b> 4RY92K2, 4RZ62K2, 4RZ82K2, 4VH92K2</p>  | <b>04</b> |
| <b>16 (b)</b>  | <p><b>Server Model:</b> POWEREDGE R720<br/><b>Expiry Date:</b> 02/08/2015<br/><b>Service Tag:</b> 2QVSD2S</p>  | <b>01</b> |
| <b>16 (c)</b>  | <p><b>Storage Model:</b> DELL STORAGE SC2020<br/><b>Expiry Date:</b> 26/5/2020<br/><b>Service Tag:</b> 9G9B2K2</p>   | <b>01</b> |
|  | <b>Support &amp; Warranty: 2 Year</b>  |           |
| <b>LOT # 11 Server Room Renovation (Turnkey)</b>                           |  |           |
| <b>17.</b>   | CCTV Solution  | Qty       |
| <b>17 (a)</b>  | <b>Cameras</b>   | <b>04</b> |
|  | <p>Image Sensor: 1/3" Progressive Scan CMOS<br/>Shutter Speed: 1/3 s to 1/100,000s<br/>Lens: 4mm, Angle of view: 83°<br/>Lens Mount: M12<br/>Adjustable Range: Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0-355°<br/>Day &amp; Night: IR cut filter with auto switch<br/>DNR: 3D DNR<br/>Video Compression: H.264, MJPEG<br/>Video Bit Rate: 32Kbps~ 12 Mbps</p> |           |



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|        | <p>Maximum Resolution: 2048x1536<br/> Frame Rate: 50Hz: 20fps(2048x1536),25fps(1080P),25fps(720P)<br/> 60Hz:20fps(2048x1536),30fps(1080P),30fps(720P)</p> <p>Image Setting: Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser</p> <p>Network Storage: NAS(Support NFS, SMB/CIFS)</p> <p>Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6</p> <p>IR Range: Approx. 30 meters</p> <p>Network Interface: 1 RJ-45 10M/100M Ethernet Port</p> <p>Audio Interface: 1-ch 3.5 mm audio in (Mic in/Line in)/out interface (-S model)</p> <p>Wireless Standard: IEEE802.11b, 802.11g, 802.11n</p> <p>Power Supply: DC12V, PoE(802.3af )</p> |       |
| 17 (b) | <b>NVR 8CH</b>   | 01    |
|        | <p>Video Input: 8 channel<br/> Incoming Bandwidth: 256 Mbps<br/> Outgoing Bandwidth: 256 Mbps<br/> Remote connection: 128<br/> Recording resolution: Up to 12 MP<br/> HDMI and VGA Output: 4K/60Hz, 4K/30Hz,1080P/60, 1280x1024/60Hz,1280x720/60Hz,1024x768/60Hz<br/> Audio Input and Audio output: 1-ch, RCA and 1-ch, RCA<br/> Decoding Format: H.265,H.264,MPEG4<br/> Live view/Play Back: Up to 12 MP<br/> Synchronous Play Back: 8-ch<br/> Interfaces for HDD: 2 SATA interfaces and Up to 2TB capacity for each HDD<br/> Network Interface: 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces<br/> USB Interface: Front Panel:2xUSB 2.0 Rare Panel:1xUSB 3.0</p>  |       |
|        | Installation, ducting, fixing, testing and Commissioning   | 1 job |
| 17 (c) | 8 Port POE Network Switch  | 01    |
| 18.    | <b>Conventional Fire Control System</b>  |       |
| 18 (a) | <p>02 Zone Conventional Fire Alarm Panel (Make: Zeta-U.K) or equivalent<br/> Access via password – removes problem of lost keys One man test facility<br/> Disablement facility for zones &amp; sounders Space for up to 3Ah batteries</p>   | 01    |



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|        | Sounder delay option 4 sounder circuits (IN4, IN6 & IN8) Sounder circuits 3 and/or 4 can be configured as Aux 24V supplies Meets all requirements of latest EN54 part 2 and part4 along with two backup batteries - Job completion in all respect.  |           |
| 18 (b) | Conventional Smoke Detector<br>smoke detectors use a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.   | 04        |
| 18 (c) | Conventional Manual Call Point-Resettable(Make: Zeta - U.K) or equivalent   | 01        |
| 18 (d) | Conventional Fire Alarm Sounder with flasher (Make: Zeta - U.K) or equivalent   | 01        |
| 18 (e) | Fire Rated Cable for Conventional Fire Alarm (Tentative Quantity) 2-Core  | 25 Mt     |
| 19.    | <b>Door Access System &amp; Time attendance</b>   |           |
|        | <p><b>Ultra-Thin fingerprint access control terminal:</b><br/>indoor-rated standalone fingerprint reader with built-in Wi-Fi which can be connected either directly to a door lock or any access control panel via Wiegand interface.<br/><b>Fingerprint:</b> 3,000 templates<br/><b>Transactions:</b> 100,000 logs<br/>Access Control Interface: 3rd party electric lock, door sensor, exit button, alarm, door bell.<br/><b>Communication:</b> Wi-Fi, Ethernet, Wiegand Input and Output, RS485, USB Host<br/><b>Display:</b> 2.4" TFT LCD Color Display<br/><b>Power:</b> 12V DC, 3A<br/><b>Dimensions Height:</b> 6.2 in (158 mm)<br/><b>Width:</b> 3 in (78 mm)<br/><b>Depth:</b> .75 in (19 mm)<br/><b>Weight:</b> 0.90lbs (0.41kg)<br/><b>Environment Operating Temperature:</b> 32° to 113° F (0° to 45° C)<br/><b>Operating Humidity:</b> 20% to 80%<br/>Supported Card Formats ID Card, Mifare Card</p> | 01        |
| 19 (a) | RFID Cards  | 05        |
| 19 (a) | Push Button   | 01        |
| 19 (b) | EM/Bolt lock  | 01        |
| 19 (c) | Lock Bracket (for Glass/Aluminum Door)  | 01        |
| 19 (d) | Job completion in all respect.  | 01        |
| 20.    | <b>Renovation Civil Work</b>  |           |
| a.     | Antistatic Vinyl flooring   |           |
|        | Antistatic Vinyl flooring (Supply and installation of Anti-Static Vinyl tiles material with earth strips in DB room (Fixing up tiles 610mm x 610x 3mm over the existing Floor/tiles DC room and UPS room.<br>Job completion in all respect.   | 400 sq/ft |



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| b.         | UPS Room Wall Furnishing   |               |
|            | Partitioning work: 12mm Cement Fiber Board (Shera Board) partitioning (from floor to false ceiling) and 1-No. 3x7 8mm TEMPERED glass Door with aluminum proper section of 2mm thickness and all accessories. (Both Sides finishing 400 Sqft)<br>Complete in all respect. | 400<br>sq/ft  |
| c.         | Exiting Windows concealing   |               |
|            | Partitioning work: Exiting two Windows and HVAC duct Concealing: 12mm Cement Fiber Board (Shera Board) with all fixing material/accessories.<br>Job complete in all respect.   | 400<br>sq/ft  |
| d.         | Data Center Room Wall Furnishing   |               |
|            | Partitioning work: 12mm Cement Fiber Board (Shera Board) partitioning on both sides, including 1 No. of Glass Door size by 3x7 feet with handle, lock and Auto door closer for Server Room with all accessories.<br>Job complete in all respect.                         | 520<br>sq/ft  |
| e.         | Repairing of existing ceiling  |               |
|            | Repairing of existing ceiling: re-fixing and repairing the damaged false ceiling in NOC room - Job completion in all respect   | 1 job         |
| f.         | New False Ceiling  |               |
|            | New false ceiling in DC room, using metal frame and Fire rated Gypsum tiles 600mmx600mm in DC room.  | 400<br>sq/ft  |
| g.         | Removal  |               |
|            | Dismantling of existing wooden Partitioning, false ceiling and wooden frame from Server, Removal of existing AC's, Removal of all sort of Dabberies.   | 1 job         |
| h.         | Paint Work<br>Brand ICI, Berger or equivalent brand  |               |
|            | Paint work: Paint Work of server room, store/DB room, executive area with Approved color scheme by client with best quality of paint complete in all respect. (Finished with water based plastic emulsion paint. .   | 2200<br>sq/ft |
| <b>21.</b> | <b>Electrical Work</b>   |               |
| a.         | SMD lights for server room (size 600mmx600mm)  | 8             |
| b.         | Electrification of lighting, power socket for utilities Appliances (8xLight nodes + 8x utility power node Job completion in all respect  | 1             |
| c.         | Electrification of IT racks 8X Industrial sockets & brackets, fit out of server room.<br>Job completion in all respect.  | 1             |
| d.         | 35mm, 4-core 2x100Amp MCCB (Approximate quantity/ It will be charged at actual)<br>Main power room to DC room  | 100           |



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| e.        | 16 mm earth wire Single core Flex Main LT panel to DC power room, Earth Pit to DC Power Room with earth connecting strip and fittings.<br>Job complete in all respect<br>(Approximate quantity/ It will charge as per actual)   | 125   |
| f.        | 10mm, 3-core for UPS input for 2 x6KVA UPS  | 25    |
| g.        | UTP Network nodes for workstations & Access control.  | 8     |
| h.        | Workstation power node UPS supply 6 for workstation, Power nodes for laser printer and scanner and 2 for server room  | 10    |
| i.        | 6mm 3-core power cable for UPS to PDU on path-A and path-B, 2X 2-Ton Air conditioners, 2X 1.5 Ton exiting AC<br>(Approximate quantity/ It will charge as per Coil 90-Meter)   | 3     |
| j.        | Critical load DB on UPS power for Fire panel, Access control, camera,   | 1     |
| k.        | PVC duct, pvc pipe, flexible pipe of different size for Air Conditioner piping, electrification, data cabling, camera's, access control, fire system and etc.   | 100   |
| l.        | Earthing and Grounding bore type :Building up Earth Pit (less than equal to 1 ohm resistance at Earth pit point at Ground level). Job complete in all respect with 2x16mm copper robs up to water/moisture level along with allied material and fittings.   | 1 Job |
| <b>22</b> | <b>AC Power Distribution</b>  |       |
| a.        | <b>Air Conditioner DB:</b><br>Incoming: 1 x 63A TP<br>Outgoing: 6 x 25A/16SP MCB, 06KA<br>Digital Amp meter, Digital Volt meter<br>Surge protection devices<br>Phase indication lights, Enclosure and Etc.<br><b>UPS Input DB:</b><br>Incoming: 1 x 100ATP, MCCB 15KA<br>Outgoing: 4 x 63A DP MCB<br>Digital Amp meter, Digital Volt meter<br>Surge protection devices<br>Phase indication lights, Enclosure and Etc.<br>Job completion in all respect. | 1 Job |
| b.        | Main DB at LT side: Auxiliary Power DB in building Floor power room having 1 x150ATP, MCCB Incoming and 2 x 80ATP MCCB for outgoing -<br><br>Job completion in all respect  | 1 Job |



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| <b>23.</b> | <b>Furniture</b>   |        |
| a.         | Workstation furniture for 6 person including computer table, front cover, four legs, including 6-No's revolving chairs, side rack for computer, file rack shelf wooden. (As per given image sample )   | 1 Job  |
| b.         | Visitors Chairs /Workstation chairs  | 06     |
| <b>24.</b> | <b>Fiber Runner/Cable tray system - Job completion in all respect</b>  |        |
| a.         | Supply of cable tray 6"x3" with cover for laying building power room to server room. (Approximate quantity/ It will be charged at actual)  | 120 ft |
| b.         | Supply of 300mmx75mm cable ladder for Power and Data cabling in DC room  | 65 ft  |
| <b>25.</b> | <b>2- Ton AC FLOOR STANDING AIR CONDITIONER (HAIER) Or equivalent</b>  | 02     |
|            | Installation and commissioning of copper piping, control cable and proper drainage Concealing, Job completion in all respect.<br>(it will be change as per actual)   |        |
| <b>26.</b> | <b>Miscellaneous Work</b>  |        |
| a.         | Dismantling and Re-Installation of 2 x wall mount used Air Conditioner units: Installation, operation, testing and commissioning of used wall mount 1.5-ton/2-ton comfort units in server room along with copper piping, insulation, control cable, drainage, gas charging, fitting. Job completion in all respect | 1 Job  |
| b.         | Aluminum Ladder 6 Ft. with 7 Steps   | 01     |



**Annexure-III**

**Comparative Statement of Technical Specification of the Quoted Items**

| S#. | ITEMS SPECIFICATIONS | Bidder-1 |              | Bidder-2.... |             |
|-----|----------------------|----------|--------------|--------------|-------------|
|     |                      | Complied | Non-complied | Complied     | Non-omplied |
|     | As per Annexure-II   |          |              |              |             |



**Annexure IV**

**Format for Financial Proposal**

**Provision of Hardware and Licensed Software:**

| Lot # | Items | Quantity | Specification of the Quoted Items<br>(To be filled by bidder) | Inclusive of all applicable taxes |                   |
|-------|-------|----------|---|-----------------------------------|-------------------|
|       |       |          |   | Unit Price (PKR)                  | Total Price (PKR) |
|       |       |          | Same as per Annexure-II                                       |                                   |                   |





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**BID FORM-01**

BidRefNo. \_\_\_\_\_

Date of the Opening of Technical Bid

Letter of Intent

Name of the Tender :{ \_\_\_\_\_ }

To: [Director (F & A), National Information Technology Board, Islamabad]

Dear Sir

Having examined the bidding documents, we offer to supply and deliver the Goods under the above-named Contract in full conformity with the said bidding documents and at the rates/unit prices described in the price schedule provided in Financial Bid or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our Financial Bid is accepted, to deliver the Goods in accordance with the delivery schedule specified in the schedule of requirements.

If our Financial Bid is accepted, we undertake to provide a performance security/guarantee in the form, in the amounts, and within the times specified in the bidding documents.

We agree to abide by this bid, for the Bid Validity Period specified in the bidding documents and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Financial Bid you may receive. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in Pakistan.

Dated this [insert:number] day of [insert: month],[insert:year].

Signed:

In the capacity of [insert: title or position]

Duly authorized to sign this bid for and on behalf of [insert: name of Bidder]



Government of Pakistan  
Ministry of Information Technology  
**NATIONAL INFORMATION TECHNOLOGY BOARD (NITB)**  
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**BID FORM-02**

Name of the Firm

Bid Reference No: \_\_\_\_\_

Date of opening of Bid.

Documentary Evidence for Determining Eligibility of the Bidders & Evaluation of bids. Bidders should only initial against those requirements that they are attaching with the form. Bidders are required to mention the exact page number of relevant document placed in the Bid. Bidders are advised to attach all Supporting documents with this form in the order of the requirement as mentioned in column-1.

| Required Documentation  | Signature of Bidder | Supporting Document's Name | Page Number in the Bid |
|---|---------------------|----------------------------|------------------------|
| NTN Certificate   |                     |                            |                        |
| GST Certificate   |                     |                            |                        |
| On Active Tax Payers List of FBR  |                     |                            |                        |
| Growth Rate of Past 02 years  |                     |                            |                        |
| Registration/Incorporation/Business Certificate   |                     |                            |                        |
| Complete Company profile  |                     |                            |                        |
| Operational Office in Islamabad and Rawalpindi  |                     |                            |                        |
| Evidence of Firm's Last 2-Years Performance (Projects of similar nature)                    |                     |                            |                        |
| Affidavit: bidder is not blacklisted by any Federal, Provincial Public sector organization. |                     |                            |                        |
| OEM's authorization letter.   |                     |                            |                        |
| Bid Validity period of 150 days   |                     |                            |                        |
| Compliance with schedule of requirements  |                     |                            |                        |
| Submission of required amount of bid security with Financial Bid                            |                     |                            |                        |
| Compliance with Tech Specifications   |                     |                            |                        |
| OEM warranty: 01-year & onsite support  |                     |                            |                        |
| Technical brochures/data sheets   |                     |                            |                        |
| Original Bidding Documents duly signed/stamped  |                     |                            |                        |



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**BID FORM-03**

**MANUFACTURER'S AUTHORIZATION\***

To: [Director (F & A), National Information Technology Board, Islamabad]

WHEREAS [name of the Manufacturer] who are established and reputable Manufacturers of [name and/or description of the goods] having factories at [address of factory] do hereby authorize [name and address of Supplier/Agent] to submit a bid, and subsequently sign the Contract with you against the Invitation for Bids (IFB) No. \_\_\_\_\_ for the goods manufactured by us.

We here by extend our full guarantee and warranty as demanded for the goods offered for supply by the above firm against this Invitation for Bids.

Signature: -----

Designation: -----

Official Stamp: -----

\*This letter of authority should be on the letter head of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.



**Firm's Past Performance.**

Name of the Firm: \_\_\_\_\_

Bid Reference No: \_\_\_\_\_

Date of opening of Bid: \_\_\_\_\_

| Name of the Client/Institution | Purchase Order No. | Description Of Order | Value of Order | Date of Completion | Work Completion Certificate by client |
|--------------------------------|--------------------|----------------------|----------------|--------------------|---------------------------------------|
|                                |                    |                      |                |                    |                                       |
|                                |                    |                      |                |                    |                                       |
|                                |                    |                      |                |                    |                                       |
|                                |                    |                      |                |                    |                                       |
|                                |                    |                      |                |                    |                                       |
|                                |                    |                      |                |                    |                                       |

Bidders may use additional Sheets if required.  
All certificates are to be attached with this form.



**Performance Guarantee**

To: [Director (F & A), National Information Technology Board, Islamabad]

Whereas [Name of Supplier] (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No.[number] dated [date] to supply [description of goods] (hereinafter called “the Contract”). And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a scheduled bank for the sum of 10% of the total Contract amount as a Security for compliance with the Supplier’s performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee:

Therefore, we here by affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [Amount of the Guarantee in Words and Figures] and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [Amount of Guarantee]as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of\_ \_\_\_\_\_ , 2017/2018

Signature and Seal of the Guarantors/ Bank

Address:

Date: