PUNJAB INFORMATION TECHNOLOGY BOARD (PITB)

CORRIGENDUM

Procurement of:

i. Hardware/IT Equipment for Project Titled "Automation of Stamp Papers (E-Stamping)". Tender No: 302032018-1

ii. Hardware/IT Equipment for the Project Titled "Prison Management Information System (PMIS) at 20 Jails of Punjab Phase-II" Tender No: 104032018-1.

iii. Mobile Handsets / Smartphones for Officials of Government of the Punjab. Tender No: 102032018-3

1. The above mentioned tenders have been published in Daily Nawa-i-Waqt and The Nation dated 01-03-2018 bearing IPL No. 2663-C.

2. The Corrigendum is published to notify the following:

   i. Technical specification of Lot#07 at page#51 of tender document "**Procurement of Hardware/IT Equipment for Project Titled "Automation of Stamp Papers (E-Stamping)"** has been updated.

   ii. Technical specification of Lot#01 at page#38, Lot#06 at page#41 and Lot#11 at page#42 of tender document "**Procurement of Hardware/IT Equipment for the Project Titled "Prison Management Information System (PMIS) at 20 Jails of Punjab Phase-II"** has been updated.

   iii. Technical specification of Lot#02 at page#35 of tender document "**Procurement of Mobile Handsets / Smartphones for Officials of Government of the Punjab"** has been updated.

   iv. The tenders submission date has been changed from 19th March, 2018 to 26th March, 2018

   v. The amended tender document is available at www.pitb.gov.pk and www.ppra.punjab.gov.pk.

3. Bids should be dropped in the prescribed tender box as per the procedure mentioned in the tender document not later than 1500 hours on last date of submission of bids i.e. **26th March, 2018** and the bids shall be opened at 1530 hours on the same date, as per PPRA Rules, 2014.

4. Other terms and conditions given in above mentioned original tender advertisement shall remain the same.

DIRECTOR (DEVELOPMENT & PROCUREMENT) (IPL-3399-C)

Punjab Information Technology Board (PITB)

13th Floor, Arfa Software Technology Park (ASTP), 346-B, Ferozepur Road, Lahore.

Ph: (042) 35880062 | Fax (042) 99232123

Web: www.pitb.gov.pk

Tender Document

Tender No. 302032018-1C

PROCUREMENT OF HARDWARE / SOFTWARE/IT EQUIPMENT FOR PROJECT TITLED "AUTOMATION OF STAMP PAPERS (E-STAMPING) AND "IMPROVEMENTS TO THE ARRANGEMENTS FOR STARTING A BUSINESS"

Punjab Information Technology Board (PITB)

13th Floor, Arfa Software Technology Park (ASTP),

346-B, Ferozepur Road, Lahore, Pakistan

Phone: (+ 92) (42) (35880062), Fax: (+92) (42) (99232123)

URL: www.pitb.gov.pk

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Important Note:

Bidders must ensure that they submit all the required documents indicated in the Bidding Documents without fail. Bids received without, undertakings, valid documentary evidence, supporting documents and the manner for the various requirements mentioned in the Bidding Documents or test certificates are liable to be rejected at the initial stage itself. The data sheets, valid documentary evidences for the critical components as detailed hereinafter should be submitted by the Bidder for scrutiny.

Applicability of Punjab Procurement Rules, 2014

This Bidding Process will be governed under Punjab Procurement Rules, 2014, as amended from time to time and instructions of the Government of the Punjab received during the completion of the project.

1. Invitation to Bid

1.1 PPRA Rules to be followed

Punjab Procurement Rules, 2014 will be strictly followed. These may be obtained from PPRA's website.

http://ppra.punjab.gov.pk/sites/ppra.pitb.gov.pk/files/Final%20Notified%20PPR-2014%20(ammended%20upto%2006.01.2016).pdf

In this document, unless otherwise mentioned to the contrary, "Rule" means a Rule under the Punjab Procurement Rules, 2014.

1.2 Mode of Advertisement(s)

As per Rule 12(1&2), this Tender is being placed online at PPRA's website, as well as being advertised in print media.

As per Rule 12(2), this Tender is also placed online at the website of Purchaser. The tender document is available in the office of Punjab Information Technology Board, 13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore & the same may be obtained subject to the payment of cost of printing and provision of the document which is Rs. 1,000/-. Tender Document is also available at **www.pitb.gov.pk** and **www.ppra.punjab.gov.pk** and may be downloaded free of cost.

All prospective bidders are required to collect a Challan Form from the Procurement Assistant, PITB at above given address; to submit an amount of Rs. 1,000/- in PITB's account. The deposit slip / Challan Form must accompany respective bid

1.3 Type of Open Competitive Bidding

As per Rule 38(2)(a), Single Stage - Two Envelope Bidding Procedure shall be followed. The said procedure is reproduced as follows:

(i) the bid shall be a single package consisting of two separate envelopes, containing separately the financial and the technical proposals;

(ii) the envelopes shall be marked as "Financial Proposal" and "Technical Proposal";

(iii) in the first instance, the "Technical Proposal" shall be opened and the envelope marked as "Financial Proposal" shall be retained unopened in the custody of the procuring agency;

(iv) the procuring agency shall evaluate the technical proposal in the manner prescribed in advance, without reference to the price and shall reject any proposal which does not conform to the specified requirements;

(v) during the technical evaluation no amendments in the technical proposal shall be permitted;

(vi) after the evaluation and approval of the technical proposals, the procuring agency shall open the financial proposals of the technically accepted bids, publically at a time, date and venue announced and communicated to the bidders in advance, within the bid validity period;

(vii) the financial bids found technically nonresponsive shall be returned un-opened to the respective bidders; and

(viii) The lowest evaluated bidder shall be awarded the contract.

2. Bidding Details (Instructions to Bidders)

All bids must be accompanied by Bid Security (Earnest Money), as part of Financial bid and as per provisions of the clause "Bid Security" of this document in favor of **"Punjab Information Technology Board"**. The complete bids as per required under this tender document, must be delivered into the Tender Box No.2, placed at reception of Punjab Information Technology Board, Lahore, not later than 1500 hours on last date of submission of bids i.e. **26th March, 2018,** late bids shall not be considered. The Technical bids shall be publicly opened in the Committee Room of Punjab Information Technology Board, 13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore, at 1530 hours on **26th March, 2018**. In case the last date of bid submission falls in / within the official holidays / weekends of the Purchaser, the last date for submission of the bids shall be the next working day

Queries of the Bidders (if any) for seeking clarifications regarding the specifications of the hardware / Software must be received in writing to the Purchaser till **22nd March, 2018**. Any query received after said date may not be entertained. All queries shall be responded to within due time. PITB may host a Q/A session if required at PITB premises (13th Floor, Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore). All bidders shall be informed of the date and time in advance.

The bidder shall submit bids which comply with the Bidding Document. **Alternative bids and options shall not be considered**. The attention of bidders is drawn to the provisions of this tender document Clause regarding **"Determination of Responsiveness of Bid" and "Rejection / Acceptance of the Tender"** for making their bids substantially responsive to the requirements of the Bidding Document.

It will be the responsibility of the Bidder that all factors have been investigated and considered while submitting the Bid and no claim whatsoever including those of financial adjustments to the contract awarded under this Bid Process will be entertained by the Purchaser. Neither any time schedule, nor financial adjustments arising thereof shall be permitted on account of failure by the Bidder.

It must be clearly understood that the Terms and Conditions and Specifications are intended to be strictly enforced. No escalation of cost except arising from increase in quantity by the Bidder on the demand and approval of the Purchaser will be permitted throughout the period of completion of the contract.

The Bidder should be fully and completely responsible for all the deliveries and deliverables to the Purchaser.

The Primary Contact & Secondary Contact for all correspondence in relation to this bid is as follows:

<u>Primary Contact</u>
Haider Ali
Sr. Software Engineer (e-Stamping)
Email: haider.ali@pitb.gov.pk
13th Floor, Arfa Software Technology Park, 346-B,
Ferozepur Road, Lahore, Pakistan.

Hammad Hasan Hamdani
Joint Director (Admin/HR/Finance) e-Stamping
Email: hammad.hasan@pitb.gov.pk
13th Floor, Arfa Software Technology Park, 346-B,
Ferozepur Road, Lahore, Pakistan.

<u>Secondary Contact</u>
Ali Mazhar
Joint Director (Technical) e-Stamping
Email: ali.mazhar@pitb.gov.pk
13th Floor, Arfa Software Technology Park, 346-B,
Ferozepur Road, Lahore, Pakistan

Muhammad Shaukat Qureshi
Joint Director (Procurement)
Email: muhammad.qureshi@pitb.gov.pk
13th Floor, Arfa Software Technology Park, 346-B,
Ferozepur Road, Lahore, Pakistan.

Bidders should note that during the period from the receipt of the bid and until further notice from the Primary Contact, all queries should be communicated via the Primary Contact and in writing (e-mail) only. In the case of an urgent situation where the Primary Contact cannot be contacted, the bidder may alternatively direct their enquiries through the Secondary Contact.

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

The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

Failure to supply required items/services within the specified time period will invoke penalty as specified in this document.

TERMS AND CONDITIONS OF THE TENDER

3. Definitions

In this document, unless there is anything repugnant in the subject or context:

3.1 "Authorized Representative" means any representative appointed, from time to time, by the Client, the Purchaser or the Contractor.

3.2 “Availability and Reliability” means the probability that a component shall be operationally ready to perform its function when called upon at any point in time.

3.3 "Client" means the Project lead of technical wing of the Purchaser for whose’ particular project the Goods / Services have been procured or any other person, duly appointed in writing, by the Client, for the time being or from time to time, to act as Client for the purposes of the Contract.

3.4 “Bidder/Tenderer” mean the interested Firm/Company/Supplier/Distributors that may provide or provides the I.T related hardware/equipment etc. and related services to any of the public/private sector organization under the contract and have registered for the relevant business thereof.

3.5 "Commencement Date of the Contract" means the date of signing of the Contract between the Purchaser and the Contractor.

3.6 "Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.

3.7 "Contractor / Vendor" means the Tenderer whose bid has been accepted and awarded Letter of Acceptance for a specific item followed by the signing of Contract.

3.8 "Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

3.9 "Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract which is properly apportion-able to the Goods or Services in question.

3.10 "Defects Liability Expiry Certificate" means the certificate to be issued by the Client to the Contractor, in accordance with the Contract.

3.11 "Day" means calendar day.

3.12 "Defects Liability Period" means the warranty period following the taking over, during which the Contractor is responsible for making good, defects and damage in Goods and Services provided, under the Contract.

3.13 "Force Majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars, revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

3.14 "Goods" means hardware, equipment, machinery, and/or other materials which the Contractor is required to supply to the Purchaser under the Contract against each relevant Lot.

3.15 "Person" includes individual, association of persons, firm, company, corporation, institution and organization, etc., having legal capacity.

3.16 "Prescribed" means prescribed in the Tender Document.

3.17 "Purchaser" means the Punjab Information Technology Board (PITB) or any other person for the time being or from time to time duly appointed in writing by the Purchaser to act as Purchaser for the purposes of the Contract.

3.18 "Origin" shall be considered to be the place where the Goods are produced or from where the Services are provided. Goods are produced when, through manufacturing, processing or assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components. The origin of Goods and Services is distinct from the nationality of the Contractor.

3.19 "Services" means installation, configuration, deployment, commissioning, testing, training, support, after sale service, etc. of Goods and other such obligations which the Contractor is required to provide to the Purchaser under the Contract.

3.20 "Taking-Over Certificate" means the certificate to be issued by the Client to the Contractor, in accordance with the Contract.

3.21 "Works" means work to be done by the Contractor under the Contract.

3.22 "Eligible" is defined as any country or region that is allowed to do business in Pakistan by the law of Government of Pakistan

4. Headings and Titles

In this document, headings and titles shall not be construed to be part thereof or be taken into consideration in the interpretation of the document and words importing the singular only shall also include the plural and vice versa where the context so requires.

5. Notice

5.1 In this document, unless otherwise specified, wherever provision is made for exchanging notice, certificate, order, consent, approval or instructions amongst the Contractor, the Purchaser and the Client, the same shall be:

- 5.1.1 in writing;
- 5.1.2 issued within reasonable time;
- 5.1.3 served by sending the same by courier or registered post to their principal office in Pakistan or such other address as they shall notify for the purpose; and
- 5.1.4 The words "notify", "certify", "order", "consent", "approve", "instruct", shall be construed accordingly.

6. Tender Scope

6.1 Punjab Information Technology Board (PITB), (hereinafter referred to as "the Purchaser") invites / requests Proposals (hereinafter referred to as "the Tenders") for supply of Hardware/Software/IT Equipment i.e. (Servers, Antivirus Solution, SAN Solution, FC SAN Switch, Backup Tape Library Solution, Next Generation Firewall, Wireless Access Points, Laser Printers, IP Cameras with NVR & Software, Network Video Recorder (NVR), Workstations, Laptop (High-End and Mid-Range), QR Reader, UPS, External Hard Disks, IP Telephone, Android Mobile Tablets, Air Conditioners, Generator & POE) (Hereinafter referred to as "the Goods/Services") and installation, configuration, deployment, commissioning, testing, after-sale support, of said Goods (hereinafter referred to as "the Services") for PITB's project titled "Automation of Stamp Papers (e-Stamping)" & "Improvement to the Arrangements for Starting a Business.

6.2 The equipment/items will be delivered and installed at PMU office of Automation of Stamp Papers (e-Stamping) and Punjab Information Technology Board, Lahore or as specified by the Purchaser at the time of delivery. Detail requirements and specifications are attached at Annex-A.

7. Tender Eligibility/Qualification Criteria

7.1 Eligible Bidder/Tenderer is a Bidder/Tenderer who:

- 7.1.1 Has a registered / incorporated company / firm in Pakistan with relevant business experience of last one (1) year as on, for each lot;
- 7.1.2 Must be registered with Tax Authorities as per prevailing latest tax rules (Only those

companies which are validly registered with sales tax and income tax departments and having sound financial strengths can participate);

7.1.3 has valid Registration of General Sales Tax (GST) & National Tax Number (NTN);

7.1.4 Has submitted bid for complete lot(s) and relevant bid security against each Lot separately. Non-compliance of the same shall cause rejection of the bid;

7.1.5 Has authorization for following Lots accordingly:

Sr #	Lot #	Required Certificate
1	Lot 1	Manufacturer /Principal
2	Lot 2	Manufacturer /Principal/Reseller
3	Lot 3	Manufacturer /Principal
4	Lot 4	Manufacturer /Principal/Reseller (item#04) only
5	Lot 5	Manufacturer /Principal
6	Lot 6	Manufacturer /Principal
7	Lot 7	Manufacturer /Principal /Reseller
8	Lot 8	Manufacturer /Principal/Reseller
9	Lot 9	Manufacturer /Principal/Reseller
10	Lot 10	Manufacturer /Principal/Reseller
11	Lot 11	Manufacturer /Principal/Reseller
12	Lot 12	Manufacturer /Principal /Reseller
13	Lot 13	Manufacturer /Principal /Reseller

7.1.6 Has submitted bid for complete Lot(s) and relevant bid security against each Lot separately;

7.1.7 Must be involved in sales or supply of items related to IT business for last one (1) year as on against each Lot;

7.1.8 Has not been blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan (Submission of undertaking), for each Lot.

7.1.9 Has the required relevant qualified personnel and enough strength to fulfill the requirement of assignment.

7.1.10 Conforms to the clause of "Responsiveness of Bid" given herein this tender document.

7.1.11 Goods and Services can only be supplied / sourced / routed from "origin" in "eligible" member countries.

a. Eligible" is defined as any country or region that is allowed to do business in Pakistan by the law of Government of Pakistan.

b. "Origin" shall be considered to be the place where the Goods are produced or from which the Services are provided. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

Note: Verifiable documentary proof for all above requirements is a mandatory requirement, noncompliance will lead to disqualification.

8. Tender Cost

The Tenderer shall bear all costs / expenses associated with the preparation and submission of the Tender(s) and the Purchaser shall in no case be responsible / liable for those costs / expenses.

9. Joint Venture / Consortium

Joint venture / Consortium are not eligible for this tender.

10. Examination of the Tender Document

The Tenderer is expected to examine the Tender Document, including all instructions and terms and conditions.

11. Clarification of the Tender Document

The Tenderer may require further information or clarification of the Tender Document, within 05 (five) calendar days of issuance of tender in writing. The clarification and its replies will be shared with all prospective bidders.

Bidders should note that during the period from the receipt of the bid and until further notice from the Primary Contact given herein this document, all queries should be communicated via the Primary Contact and in writing (e-mail) only. In the case of an urgent situation where the Primary Contact cannot be contacted, the bidder may alternatively direct their enquiries through the Secondary Contact.

12. Amendment of the Tender Document

12.1 The Purchaser may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).

12.2 The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers as per Punjab Procurement Rules, 2014.

12.3 The Purchaser may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender as per Rule-25(4) of Punjab Procurement Rules, 2014.

13. Preparation / Submission of Tender

13.1 The Tenderer is allowed to bid for any or all lots separately.

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

13.3 The Tender shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Charts, Documents, Brochures, Literature, etc. which shall be typed, completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, signed and stamped photocopies may be submitted. If volume of the bid contains various set(s) of documents the same must be properly numbered and tagged in binding shape

13.4 The Tender shall be in two parts i.e. the technical proposal and the financial proposal. Each proposal shall be in two sets i.e. the original and the copy. In the event of any discrepancy between the original and the duplicate, the original shall govern.

13.5 Technical Proposal shall comprise the following, **without quoting the price**:

13.6 Technical Proposal Form (**Annexure-B**)

13.6.1 Undertaking (All terms & conditions and qualifications listed anywhere in this tender document have been satisfactorily vetted) and Affidavit (Integrity Pact) (**Annexure-G&H**)

13.6.2 Certificate of Company/Firm Registration/Incorporation under the laws of Pakistan

13.6.3 Covering letter duly signed and stamped by authorized representative. (**Annexure-E**)

13.6.4 Has authorization of following Lots accordingly:

Sr #	Lot #	Required Certificate
1	Lot 1	Manufacturer /Principal
2	Lot 2	Manufacturer /Principal/Reseller
3	Lot 3	Manufacturer /Principal
4	Lot 4	Manufacturer /Principal/Reseller (item#04) only
5	Lot 5	Manufacturer /Principal
6	Lot 6	Manufacturer /Principal
7	Lot 7	Manufacturer /Principal /Reseller

8	Lot 8	Manufacturer /Principal/Reseller
9	Lot 9	Manufacturer /Principal/Reseller
10	Lot 10	Manufacturer /Principal/Reseller
11	Lot 11	Manufacturer /Principal/Reseller
12	Lot 12	Manufacturer /Principal /Reseller
13	Lot 13	Manufacturer /Principal /Reseller

13.6.5 Evidence of eligibility of the Tenderer and the Goods / Services.

13.6.6 Evidence of conformity of the Goods / the Services to the Tender Document

13.6.7 Undertaking and Evidence that the quoted Goods are genuine, brand new, non-refurbished, un-altered in any way, of the most recent / current model, imported through proper channel, and incorporate all recent improvements in design and materials

13.6.8 Technical Brochures / Literature

13.6.9 Details of Warranty and After-Sale Service

13.6.10 List of firm's major international and national clientele

13.6.11 Submission of undertaking that the firm is not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan.

13.6.12 Valid Registration Certificate for Income Tax & Sales Tax

13.6.13 Power of Attorney, if an authorized representative is appointed (**Annexure-F**)

13.7 The Financial Proposal shall comprise the following:

13.7.1 Financial Proposal Form (**Annexure-C**)

13.7.2 Price Schedule (**Annexure-D**)

13.7.3 Bid Security **(Earnest Money), as per provisions of the clause Bid Security of this document**

13.8 The Tenderer shall seal the Original Technical Proposal in an envelope duly marked as under:

Original Technical Tender for

Tender Name. [Name of Tender]

Tender No. **302032018-1C**

Lot No:

[Name of the Purchaser]

[Address of the Purchaser]

[Name of the Tenderer]

[Address of the Tenderer]

[Phone No. of the Tenderer]

13.9 The Tenderer shall seal the Duplicate Technical Tender in an envelope duly marked as under:

Duplicate Technical Proposal for

Tender Name. [Name of Tender]

Tender No. **302032018-1C**

Lot No:

[Name of the Purchaser]

[Address of the Purchaser]

[Name of the Tenderer]

[Address of the Tenderer]

[Phone No. of the Tenderer]

13.10 The Tenderer shall follow the same process for the Financial Tender.

13.11 The Tenderer shall again seal the sealed envelopes of Original Technical Proposal and the Original Financial Proposal in an outer envelope, duly marking the envelope as under:

Original Tender for

Tender Name. [Name of Tender]

Tender No. **302032018-1C**

Lot No:

Strictly Confidential

[Name of the Purchaser]

[Address of the Purchaser]

[Name of the Tenderer]

[Address of the Tenderer]

[Phone No. of the Tenderer]

13.12 The Tenderer shall again seal the sealed envelopes of Duplicate Technical Proposal and the Duplicate Financial Proposal in an outer envelope, duly marking the envelope as under:

Duplicate Tender for

Tender Name. [Name of Tender]

Tender No. **302032018-1C**

Lot No:

Strictly Confidential

[Name of the Purchaser]

[Address of the Purchaser]

[Name of the Tenderer]

[Address of the Tenderer]

[Phone No. of the Tenderer]

13.13 The Tenderer shall enclose soft copies of the Technical Proposal, including all Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc., in the form of MS Word Documents, MS Excel Worksheets and Scanned images, with the hard copies.

13.14 The Tender shall be dropped in the prescribed Tender Box placed at the Reception of the Purchaser's office, not later than 1500 hours on last date of submission of bids. No late bid shall be accepted.

13.15 This is made obligatory to affix authorized signatures with official seal on all original and duplicate (copies) documents, annexures, copies, certificates, brochures, literature, drawings, letters, forms and all relevant documents as part of the bids submitted by the tenderer.

14. Tender Price

14.1 The quoted price shall be:

14.1.1 best / final / fixed and valid until completion of all obligations under the Contract i.e. not subject to variation / escalation;

14.1.2 in Pak Rupees;

14.1.3 inclusive of all taxes, duties, levies, insurance, freight, etc.;

14.1.4 Including all charges up to the delivery point at various Punjab Government Offices in Punjab (if required).

14.2 If not specifically mentioned in the Tender(s), it shall be presumed that the quoted price is as per the above requirements.

14.3 Where no prices are entered against any item(s), the price of that item shall be deemed be free of charge, and no separate payment shall be made for that item(s).

14.4 In case of locally produced Equipment/Service, the price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item. In case of Contract of imported Equipment/Services offered Ex-Warehouse/Off-the-Shelf from within the Purchaser's country, import duties and sales and other taxes already paid shall be shown separately (if required by the Purchaser).

15. Bid Security (Earnest Money)

15.1 The bid security amount has been calculated as per provisions of Rule-27 "Bid Security" of PPRA Rules, 2014 (i.e. not exceeding five percent of the estimated cost), the Tenderer shall furnish the Bid Security (Earnest Money) as under:

15.1.1 for amounts as mentioned in following table against different lots:

LOT No.	BS Amount
1	300,000/-
2	15,000/-
3	200,000/-
4	10,000/-
5	45,000/-
6	150,000/-
7	10,000/-
8	30,000/-
9	6,000/-
10	5,000/-

11	2,000/-
12	50,000/-
13	5,000/-

15.1.2 denominated in Pak Rupees;

15.1.3 separately against each Lot given in this tender document;

15.1.4 As part of financial bid envelope, failing which will cause rejection of bid.

15.1.5 in the form of Demand Draft / Pay Order / Call Deposit Receipt in the name of the Purchaser;

15.1.6 Have a minimum validity period of one hundred and twenty (120) days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.

15.2 The Bid Security shall be forfeited by the Purchaser, on the occurrence of any / all of the following conditions:

15.2.1 If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form; or

15.2.2 If the Tenderer does not accept the corrections of his Total Tender Price; or

15.2.3 If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Security, in accordance with the Tender Document.

15.3 The Bid security shall be returned to the technically unsuccessful Tenderer with unopened/sealed financial bid while the unsuccessful bidders of financial bid opening procedure will be returned the Bid Security only. The Bid Security shall be returned to the successful Tenderer upon furnishing of the Performance Security.

16. Tender Validity

The Tender shall have a minimum validity period of ninety (90) days from the last date for submission of the Tender. The Purchaser may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing. If the Tenderer agrees to extension of validity period of the Tender, the validity period of the Bid Security shall also be suitably extended. The Tenderer may refuse extension of validity period of the Tender, without forfeiting the Bid security.

17. Modification / Withdrawal of the Tender

17.1 The Tenderer may, by written notice served on the Purchaser, modify or withdraw the Tender after submission of the Tender, prior to the deadline for submission of the Tender.

17.2 The Tender, withdrawn after the deadline for submission of the Tender and prior to the expiration of the period of the Tender validity, shall result in forfeiture of the Bid Security.

18. Opening of the Tender

18.1 Tenders (Technical Bids) shall be opened at 1530 hours on the last date of submission of bids i.e. **26th March, 2018,** in the presence of the Tenderer(s) for which they shall ensure their presence without further invitation, as per provision of Rule-30 of PPRA Rules, 2014. In case the last date of bid submission falls in / within the official holidays / weekends of the Purchaser, the last date for submission of the bids shall be the next working day.

18.2 The Tenderer's name, modifications, withdrawal, security, attendance of the Tenderer and such other details as the Purchaser may, at its exclusive discretion, consider appropriate, shall be announced and recorded.

18.3 No tenderer or its representative will be allowed to keep any digital device (camera, audio recorder, cell phone etc.) during tender opening meeting at given time and location.

19. Clarification of the Tender

The Purchaser shall have the right, at his exclusive discretion, to require, in writing, further information or clarification of the Tender, from any or all the Tenderer(s). No change in the price or substance of the Tender shall be sought, offered or permitted except as required to confirm the corrections of arithmetical errors discovered in the Tender. Acceptance of any such correction is sole discretion of the purchaser

20. Determination of Responsiveness of the Bid (Tender)

20.1 The Purchaser shall determine the substantial responsiveness of the Tender to the Tender Document, prior to the Tender evaluation, on the basis of the contents of the Tender itself without recourse to extrinsic evidence. A substantially responsive Tender is one which:

20.1.1 meets the eligibility criteria given herein this tender document/ the Goods / the Services;

20.1.2 meets the Technical Specifications for the Goods / the Services against each Lot;

20.1.3 meets the delivery period / point for the Goods / the Services against each Lot;

20.1.4 in compliance with the rate and limit of liquidated damages;

20.1.5 offers fixed price quotations for the Goods / the Services against each Lot, , whereby no optional offer / bid or price is allowed;

20.1.6 is accompanied by the required Bid Security as part of financial bid envelope against each Lot;

20.1.7 The original receipt of tender fee submitted, attached with technical bid envelope;

20.1.8 In compliance with the Preparation/Submission of Tender in a manner prescribed in this tender document clause-13;

20.1.9 Conforms to all terms and conditions of the Tender Document, without material deviation or reservation.

20.2 A material deviation or reservation is one which affects the scope, quality or performance of the Goods or limits the Purchaser's rights or the Tenderer's obligations under the Contract.

20.3 The Tender determined as not substantially responsive shall not subsequently be made responsive by the Tenderer by correction or withdrawal of the material deviation or reservation.

21. Correction of errors / Amendment of Tender

21.1 The Tender shall be checked for any arithmetic errors which shall be rectified, as follows:

21.1.1 If there is a discrepancy between the amount in figures and the amount in words for the Total Tender Price entered in the Tender Form, the amount which tallies with the Total Tender Price entered in the Price Schedule, shall govern.

21.1.2 if there is a discrepancy between the unit rate and the total price entered in the price Schedule, resulting from incorrect multiplication of the unit rate by the quantity, the unit rate as quoted shall govern and the total price shall be corrected, unless there is an obvious and gross misplacement of the decimal point in the unit rate, in which case the total price as quoted shall govern and the unit rate shall be corrected.

21.1.3 If there is a discrepancy in the actual sum of the itemized total prices and the total tender price quoted in the Price Schedule, the actual sum of the itemized total prices shall govern.

21.2 The Tender price as determined after arithmetic corrections shall be termed as the Corrected Total Tender Price which shall be binding upon the Tenderer.

21.3 Adjustment shall be based on corrected Tender Prices. The price determined after making such adjustments shall be termed as Evaluated Total Tender Price.

21.4 No credit shall be given for offering delivery period earlier than the specified period.

22. TECHNICAL EVALUATION CRITERIA

PASS MARKS: A technically eligible bidder, based on conditions listed in this document, not meeting the 70% pass marks limit will be rejected in Technical Evaluation, and its sealed/unopened Financial Proposal shall be returned back. All bidders scoring greater than or equal to 70% of the marks will be accepted in technical proposal, and their financial bids will be opened.

PROVISO: Provided that if NONE or ONLY ONE (single) bidder exceeds the 70% pass mark, then the Purchaser SHALL decrease the Pass Mark limit to 60%. In other words, if TWO or more bidders exceed 70%, then the Pass Mark will NOT be decreased to 60%.

If Pass Marks are decreased to 60%, then ALL bidders with scores greater than or equal to 60% shall be considered EQUALLY as approved in the Technical Evaluation, and their Financial Bids shall be opened.

The Bidders who have duly complied with the Eligibility/Qualification and Evaluation Criteria against each Lot will be eligible for further processing.

The Bids which do not conform to the Technical Specifications or Bid conditions or the Bids from the Bidders without adequate capabilities for supply and maintenance / warranty services will be rejected.

The Technical proposals shall be evaluated by the technical evaluation committee in the light of following evaluation criteria:

<table>
<tr><th>Category</th><th>Description</th><th>Points</th></tr>
<tr><td rowspan="7">Legal (Mandatory)</td><td>Relevant business experience of last 01 year</td><td>Required</td></tr>
<tr><td>Valid Income Tax Registration</td><td>Required</td></tr>
<tr><td>Valid General Sales Tax Registration (Status = Active with FBR)</td><td>Required</td></tr>
<tr><td>Submission of undertaking that the firm is not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan.</td><td>Required</td></tr>
<tr><td>Compliance to the technical specifications of hardware (all items) to be procured mentioned vide Annex-A of this document and product technical Brochure that should include specific make and model with clarity of offered specifications must be enclosed with the bid</td><td>Required</td></tr>
<tr><td>In full compliance of the Execution Schedule and Delivery Period mentioned in tender document (Undertaking)</td><td>Required</td></tr>
<tr><td><table>
<tr><th>Sr #</th><th>Lot #</th><th>Required Certificate / Authorization</th></tr>
<tr><td>1</td><td>Lot 1</td><td>Manufacturer /Principal</td></tr>
<tr><td>2</td><td>Lot 2</td><td>Manufacturer /Principal/Reseller</td></tr>
<tr><td>3</td><td>Lot 3</td><td>Manufacturer /Principal</td></tr>
<tr><td>4</td><td>Lot 4</td><td>Manufacturer /Principal/Reseller (item#04) only</td></tr>
<tr><td>5</td><td>Lot 5</td><td>Manufacturer /Principal</td></tr>
<tr><td>6</td><td>Lot 6</td><td>Manufacturer /Principal</td></tr>
<tr><td>7</td><td>Lot 7</td><td>Manufacturer /Principal /Reseller</td></tr>
<tr><td>8</td><td>Lot 8</td><td>Manufacturer /Principal/Reseller</td></tr>
<tr><td>9</td><td>Lot 9</td><td>Manufacturer /Principal/Reseller</td></tr>
<tr><td>10</td><td>Lot 10</td><td>Manufacturer /Principal/Reseller</td></tr>
<tr><td>11</td><td>Lot 11</td><td>Manufacturer /Principal/Reseller</td></tr>
<tr><td>12</td><td>Lot 12</td><td>Manufacturer /Principal /Reseller</td></tr>
<tr><td>13</td><td>Lot 13</td><td>Manufacturer /Principal /Reseller</td></tr>
</table></td><td>Required</td></tr>
</table>

For Lot # 01, 03 & 06			
Financials Strength/ Experience	Worth of projects of similar nature in last two (02) years (Verifiable through relevant purchase orders / contracts) (Max Points 100)	1-4 million	25 Points
		5-8 million	50 Points
		9-12 million	75 Points
		13 million or above	100 Points
	Average Annual revenue of last two (02) years (Verifiable through financial statements) (Max Points 100)	1-4 million	25 Points
		5-8 million	50 Points
		9-12 million	75 Points
		13 million or above	100 Points

For Lot # 05 & 12			
Financials Strength/ Experience	Worth of projects of similar nature in last one (1) year (Verifiable through relevant purchase orders / contracts) (Max Points 100)	0.5-01 million	25 Points
		1.1-1.5 million	50 Points
		1.6-02 million	75 Points
		2.5 million or above	100 Points

Note: Verifiable documentary proof for all above requirements and criteria points are required and marks will be awarded on the basis of these verifiable proofs. Bidder must include checklist for above requirements in their bid.

23. FINANCIAL PROPOSAL EVALUATION

23.1 Technically qualified/successful bidder(s)/Tenderer(s) shall be called for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the Bidders at the time and venue indicated by the Purchaser accordingly. The technically Eligible/Successful Bidder(s) / Tenderer(s) or their authorized representatives against each Lot shall be allowed to take part in the Financial Proposal(s) opening against their relevant Lot(s).

23.2 Financial Proposal evaluation will be conducted under the Punjab Procurement Rules, 2014. The Price evaluation will include all duties, taxes and expenses etc. In case of any exemption of duties and taxes made by the Government in favor of the Purchaser, the contractor shall be bound to adjust the same in the Financial Proposal.

23.2.1 In cases of discrepancy between the cost/price quoted in Words and in Figures, the lower of the two will be considered.

23.2.2 In evaluation of the price of an imported item, the price will be determined and considered inclusive of the customs and other import duties etc.;

23.2.3 In evaluation of the price of articles/goods which are subject to excise duty, sales tax, income tax or any other tax or duty levied by the Government, the price will be determined and considered inclusive of such duties and taxes.

23.3 The Purchaser will not be responsible for any erroneous calculation of taxes and all differences arising out as above shall be fully borne by the Successful Bidder. However, any subsequent changes in rates or structure of applicable taxes by the Gov. at any time during execution/evaluation period will be dealt with mutual consent.

24. Rejection / Acceptance of the Bid

24.1 The Purchaser shall have the right, at his exclusive discretion, to increase/decrease the quantity of any or all item(s) without any change in unit prices or other terms and conditions, at the time of order placement. The Purchaser may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The Purchaser shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds. The Purchaser shall incur no liability, solely, by virtue of its invoking sub-rule (1) of Rule-35 of Punjab Procurement Rules, 2014 towards the bidders. However, bidders shall be promptly informed about the rejection of the bids, if any (As per Rule 35 of Punjab Procurement Rules, 2014).

24.2 The Tender shall be rejected if it is:

24.2.1 substantially non-responsive in a manner prescribed in this tender document clause-20; or

24.2.2 submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents / by other than specified mode; or

24.2.3 incomplete, partial, conditional, alternative, late; or

24.2.4 Bid not submitted separately against each Lot and relevant bid security is not submitted against each Lot separately.

24.2.5 subjected to interlineations / cuttings / corrections / erasures / overwriting; or

24.2.6 the Tenderer refuses to accept the corrected Total Tender Price; or

24.2.7 the Tenderer has conflict of interest with the Purchaser; or

24.2.8 the Tenderer tries to influence the Tender evaluation / Contract award; or

24.2.9 the Tenderer engages in corrupt or fraudulent practices in competing for the Contract award;

24.2.10 the Tenderer fails to meet all the requirements of Tender Eligibility / Qualification Criteria (Clause-7);

24.2.11 the Tenderer fails to meet the evaluation criteria requirements (clause-22);

24.2.12 the tenderer has been blacklisted by any public or private sector organization;

24.2.13 the tenderer has been served any legal notices or displeasure letters by any public sector organization on serious failures to provide satisfactory services;

24.2.14 The tenderer has mentioned any financial implication(s) in the financial proposal that is in contradiction to this document and Government rules and regulations.

24.2.15 There is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid.

24.2.16 The Tenderer submits any financial conditions as part of its bid which are not in conformity with tender document.

24.2.17 Non-submission of verifiable proofs against the mandatory as well as general documentary, qualification and eligibility related requirements.

24.2.18 If the rates quoted by vender are not workable or on higher side etc.

25. Award Criteria

25.1. At first step, eligible bidder(s)/tenderer(s) as per clause-7 (Tender Eligibility) of this tender document fulfilling the qualification and technical evaluation criteria against each Lot will stand technically qualified.

25.2. At second step, technically qualified and successful bidder(s)/tenderer(s) will be evaluated in the light of all Pre-Conditions, necessary requisites and shall be selected on lowest cost quoted as per rules and fulfilling all codal formalities against each Lot, irrespective of their score in the previous step.

26. Acceptance Letter

As per provisions of Rule (55) of Punjab Procurement Rules 2014, the Purchaser shall issue the Acceptance Letter to the successful Tenderer, at least after 10 days of announcement of bid evaluation reports (Ref. Rule-37 of PPRA Rules, 2014) and prior to the expiry of the original validity period or extended validity period of the Tender, which shall constitute a contract, until execution of the formal Contract against each Lot.

27. Performance Security

27.1 The successful Tenderer/The Contractor against each Lot shall furnish Performance Security as under:

- 27.1.1 within twenty eight (28) days of the receipt of the Acceptance Letter from the Purchaser;
- 27.1.2 LOT wise performance security (Separate for each LOT, if the bidder is successful for more than one LOT) would be submitted by the Bidder;
- 27.1.3 in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document;
- 27.1.4 for a sum equivalent to 10% of the contract value;
- 27.1.5 denominated in Pak Rupees;
- 27.1.6 Have a minimum validity period until the date of expiry of warranty period, support period or termination of services, or fulfillment of all obligations under the contract, whichever is later. No other shape or form of performance security shall be acceptable with any validity less than the prescribed time period.

27.2 The Performance Security shall be payable to the Purchaser, on occurrence of any / all of the following conditions:

- 27.2.1 If the Contractor commits a default under the Contract;
- 27.2.2 If the Contractor fails to fulfill the obligations under the Contract;
- 27.2.3 If the Contractor violates any of the terms and conditions of the Contract.

27.3 The Contractor shall cause the validity period of the performance security to be extended for such period(s) as the contract performance may be extended. The Performance Security shall be returned to the Tenderer within thirty working days after the expiry of its validity on written request from the Contractor.

28. Redressal of grievances by the procuring agency

28.1 The Purchaser has constituted a committee comprising of odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.

28.2 Any bidder feeling aggrieved by any act of the Purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than ten days after the announcement of the bid evaluation report.

28.3 The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.

28.4 Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

28.5 Any bidder not satisfied with the decision of the committee of the Purchaser may lodge an appeal in the relevant court of jurisdiction.

TERMS & CONDITIONS OF THE CONTRACT

Contract Title:

PROCUREMENT OF HARDWARE / SOFTWARE/IT EQUIPMENT FOR PROJECT TITLED "AUTOMATION OF STAMP PAPERS (E-STAMPING) AND "IMPROVEMENTS TO THE ARRANGEMENTS FOR STARTING A BUSINESS"

[Name of Contractor]

Dated:

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This CONTRACT AGREEMENT (this “Contract”) made as of the **[day]** of **[month]**, **[year]**, between **[full legal name of the Purchaser]** (the “Purchaser”), on the one part,

and

[full legal name of Contractor], on the other part severally liable to the Purchaser for all of the Contractor's obligations under this Contract and is deemed to be included in any reference to the term "the Contractor."

RECITALS

WHEREAS,

(a) The Government through the Purchaser intends to spend a part of its budget / funds for making eligible payments under this contract. Payments made under this contract will be subject, in all respects, to the terms and conditions of the Contract in lieu of the consulting services as described in the contract.

(b) The Purchaser has requested the Contractor to provide certain supply of Goods/items as described in Tender Document; and

(c) The Contractor, having represented to the Purchaser that it has the required professional skills, and personnel and technical resources, has agreed to provide such services on the terms and conditions set forth in this Contract.

NOW THEREFORE, the Parties to this Contract agree as follows:

1. The Contractor hereby covenants with the Purchaser to supply the Goods and provide the Services and to remedy defects / damage therein, at the time and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of the payments to be made by the Purchaser to the Contractor.

2. The Purchaser hereby covenants with the Contractor to pay the Contractor, the Contract Price or such other sum as may become payable, at the times and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of supply of the Goods and provision of the Services and remedying of defects / damage therein.

3. The following shall be deemed to form and be read and construct as part of this Contract:

    a. The Tender Document
    b. Bidder's Proposal
    c. Terms and Conditions of the Contract
    d. Special Stipulations
    e. The Technical Specifications
    f. Tender Form
    g. Price Schedule
    h. Affidavit(s)
    i. Authorized Dealership / Agency Certificate
    j. Performance Security
    k. Service Level Agreement (SLA) (if required)
    l. Non-Disclosure Agreement (if required)
    m. Any Standard Clause acceptable for Purchaser

4. This Contract shall prevail over all other documents. In the event of any discrepancy / inconsistency within the Contract, the above Documents shall prevail in the order listed above.

IN WITNESS whereof the Parties hereto have caused this Contract to be executed in accordance with the laws of **Pakistan** as of the day, month and year first indicated above.

For **[full legal name of the Purchaser]:**	For **[full legal name of the Contractor]:**
Signature	Signature
Name	Name
Witnessed By:	Witnessed By:

WITNESSES

Signature ___________________	Signature _____________________
CNIC # ___________________	CNIC # _____________________
Name ___________________	Name _____________________
Designation___________________	Designation _____________________
Address __________________	Address ___________________

II. General Conditions of Draft Contract

29. Contract

The Purchaser shall, after receipt of the Performance Security from the successful Tenderer, send the Contract provided in the Tender Document, to the successful Tenderer. Within three working days of the receipt of such Contract, the Tenderer shall sign and date the Contract and return it to the Purchaser.

30. Contract Duration

The Contract duration shall be for the period of two (2) years for Lot # 2 & 3 and one (1) year for remaining lots, starting from the date of delivery, installation, deployment & commissioning of all Goods / Equipment / Items till end of warranty period.

31. Contract Documents and Information

The Contractor shall not, without the Purchaser's prior written consent, make use of the Contract, or any provision thereof, or any document(s), specifications, drawing(s), pattern(s), sample(s) or information furnished by or on behalf of the Purchaser in connection therewith, except for purposes of performing the Contract or disclose the same to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

32. Contract Language

The Contract and all documents relating to the Contract, exchanged between the Contractor and the Purchaser, shall be in English. The Contractor shall bear all costs of translation to English and all risks of the accuracy of such translation.

33. Standards

The Goods supplied and the Services provided under this Contract shall conform to the authoritative latest industry standards.

34. Commercial Availability

34.1 The Services supplied under this Contract shall be commercially available at the time of signing of the contract. Commercial availability means that such Services shall have been rendered / delivered under two separate contracts by service provider globally / locally.

34.2 The Goods supplied under this Contract shall be commercially available at the time of signing of the contract. Commercial availability means that such Goods shall have been sold, installed and operationalized in more than two installations initiated under two separate contracts by manufacturer globally / locally.

35. Patent Right

The Contractor shall indemnify and hold the Purchaser harmless against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods / the Service or any part thereof.

36. Execution Schedule

The Contractor shall deliver Goods / ordered hardware/software/IT equipment against all Lots within four (04) to six (06) weeks from the issuance of Acceptance Letter.

37. Packing

The Contractor shall provide such packing of the Goods as is sufficient to prevent their damage or deterioration during storage / transit to their final destination as indicated in the Contract. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and withstand, without limitation, rough handling, exposure to extreme temperatures, salt and precipitation at all points in storage / transit. The Contractor shall arrange and pay for the packing of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

38. Insurance

The Contractor may provide such insurance of the Goods as is sufficient to protect against their damage or deterioration during storage / transit to their final destination as indicated in the Contract. The Contractor shall arrange and pay for the insurance of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

39. Labeling

The Goods supplied under the Contract, shall be clearly labeled so as to correspond with the delivered documentation, with proper labeling scheme provided by the Client. All networking equipment, cables, connectors, ports, boxes shall be clearly labeled.

40. Delivery

40.1 The Contractor shall indicate his delivery approach clearly specifying the requirements for packing, shipping and unpacking of deliverable hardware with any associated/relevant software and its documentation. The approach shall address shipment of deliverables to the various designated (installation) sites. The approach shall also specify any special shipping constraints such as custom requirements, security requirements, access arrangement or loading dock requirements. The Contractor shall deliver the Goods at various Government Offices in Punjab, as specified by the Purchaser at the time of delivery.

40.2 The Goods shall remain at the risk and under the physical custody of the Contractor until the delivery, testing and taking over of the Goods is completed.

40.3 The Contractor shall ensure that the Goods shall be delivered complete to enable the testing and training to proceed without interruption. If it shall appear to the Client that the Goods have been or are likely to be delayed by reason of incomplete delivery or for any other reasons, he may require the Contractor at the expense of the Contractor to dispatch the missing items of the Goods or suitable replacements thereof to the site of delivery by the fastest available means including air freight.

40.4 The Contractor shall include in the Tender a detailed logistics plan which shall include support details for transportation, mobilization and personnel scheduling during project implementation and the warranty period. The Contractor shall provide maintenance, supply and procurement support necessary for Client to maintain all system, at the contracted performance and reliability level. The Contractor shall arrange and pay for the transport of the Goods to the place of destination as specified in the Contract.

41. Operation and Maintenance

The Contractor shall be responsible for the continuous operational capability and maintenance of the entire system, 24/7, without disruption to either service or performance, during the warranty period.

42. Installation and Implementation

42.1 The Contractor shall ensure that the implementation design conforms to an open standard by which new services can be added without disruption to existing services.

42.2 The Contractor shall ensure that the implementation is fault tolerant. This is accomplished by supplying a set of programs and procedures that allow the system recovery or roll back when a fault is detected.

42.3 The Contractor shall provide a document stating step-by-step procedures for installation and disaster recovery to the Purchaser.

42.4 The Contractor shall provide all the recent patches and updates for Firmware/Hardware, on a reliable media, with proper labeling, during the installation to the Purchaser.

42.5 The Contractor shall configure the system for high availability and reliability, of all hardware and software.

42.6 The Contractor shall submit detailed and complete installation, transition and cutover plan for the new system, installation procedures for the new components specifying equipment checkout, installation constraints, operational cutover, maintenance prior to Client acceptance and if special security and/or access arrangements are required.

43. Site Preparation

43.1 The Contractor shall be responsible to survey the site, prepare the site, determine power, air conditioning and floor space requirements, identify and install, if necessary, any special / additional power and air conditioning requirements, for the proposed equipment, if any.

43.2 The Purchaser and the Client shall facilitate the Contractor in discharge of the above responsibilities.

44. Safety

44.1 The Contractor shall be responsible for the embedding of safety features in the inherent design of the equipment, for elimination of identified hazards, including but not limited to high voltage, electromagnetic radiation, sharp points and edges, etc., and reduction of associated risk to personnel and equipment.

44.2 The Contractor shall be responsible for the addition of bilingual warnings and caution notices, where hazards cannot be eliminated or risks cannot be reduced.

44.3 The Contractor shall be responsible for the protection of the power sources, controls, and critical components of the redundant systems and subsystems by shielding or physical separation when possible.

45. Test Equipment and Tools

The Contractor shall evaluate the existing facilities and abilities of the Client to accomplish corrective and preventive maintenance and support and identify additional skills, test equipment and tools required to maintain and support the new equipment. Such test equipment and tools shall be state of the art in design aimed at providing an efficient, systematic and cost effective repair operation for all replaceable components.

46. Spare Parts and Support

46.1 The Contractor shall ensure that the Goods provided by the Contractor, under the Contract are standard and of exact nature, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

46.2 The Contractor shall further ensure that the Goods provided by the Contractor, under the Contract shall have no defect, arising from design, materials, installation, configuration, or from any act or omission of the Contractor that may develop under normal use of the provided Goods.

46.3 The Contractor shall maintain sufficient backup stock of spare parts and tools locally at sites, for the maintenance of the supplied Goods, during the warranty period.

46.4 The Contractor shall ensure availability of spare parts and technical assistance for all components for three (3) years, without major changes, after the completion of final acceptance.

46.5 The Contractor shall give six months advance notice on any discontinued part(s) with a suggestion for appropriate alternatives failing which will cause forfeiture of Performance

Security.

46.6 The Contractor shall also identify and provide the following:

46.6.1 items (repairable spares, parts and consumable supplies) that are needed to maintain design performance, reliability and availability standards prescribed in the Technical Specifications. The quantity of spare parts and consumable items provided and kept shall be equal to the requirements for one (01) year of operating stock;

46.6.2 critical items, whose failure would cause a system failure;

46.6.3 items of high cost and/or long lead time (over thirty working days);

46.6.4 items whose design reliability is such that normal stock replenishment would not justify maintaining a level of the item in stock.

47. Inspection and Testing

47.1 The Client shall inspect and test the Goods supplied, the Services provided or the Works carried out, under the Contract, to verify their conformity to the Technical Specifications.

47.2 The inspections and tests shall be conducted at the premises of the Contractor / at the final destination. Where conducted at the premises of the Contractor, the Contractor shall provide all-reasonable facilities and assistance, including access to drawings, production data and online verification from official web site of the Manufacture, to the inspectors, at no charge to the Purchaser.

47.3 The Purchaser may reject the Goods, the Services or the Works if they fail to conform to the Technical Specifications, in any test(s) or inspection(s) and the Contractor shall either replace the rejected Goods, Services or Works or make all alterations necessary to meet the Technical Specifications, within three working days, free of cost to the Purchaser.

47.4 The Purchaser’s post-delivery right to inspect, test and, where necessary, reject the Goods shall in no way be limited or waived by reason of pre-delivery inspection, testing or passing of the Goods.

47.5 Nothing contained in this document shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

48. Taking-Over Certificate

48.1 The Contractor shall, by written notice served on the Client with a copy to the Purchaser, apply for a Taking-Over Certificate.

48.2 The Client shall, within seven days of receipt of Contractor's application, either issue the Taking-Over Certificate to the Contractor with a copy to the Purchaser, stating the date of successful inspection / testing of the Goods or any portion thereof, for their intended purposes; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued.

48.3 Nothing contained in this document shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

49. Warranty

49.1 The Contractor shall warrant to the Purchaser that the Goods supplied by the Contractor, under the Contract are genuine, brand new, non- refurbished, un-altered in any way, of the most recent or current model, imported through proper channel, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

49.2 The Contractor shall further warrant that the Goods/Services supplied by the Contractor, under the Contract shall have no defect, arising from design, materials, workmanship or from any act or omission of the Contractor that may develop under normal use of the supplied Goods/Services.

49.3 The Contractor shall provide Manufacturer’s warranty / support for minimum two (2) years for lot # 2 & 3 and one (1) year for remaining lots (hereinafter referred as Warranty / support Period) after the issue of Taking-over Certificate in respect of Goods, the Services and the Works, or any portion thereof, as the case may be, which will include:

49.3.1 Free, on site repair / replacement of defective / damaged parts and labor, Within one week for Lahore and Two weeks outside Lahore).

49.3.2 Replacement of such defective / damaged Goods will be provided, if repair of such Goods involves a duration exceeding one week for Lahore and Two weeks outside Lahore.

49.4 If applicable the Contractor shall clearly mention Terms and Conditions of service agreements for the Goods supplied after the expiry of initial warranty period. In case of International Warranties, the local authorized dealers shall mention their service and warranty setup, details of qualified engineers, etc.

49.5 The Warranty Period shall start from the date of installation / configuration / deployment of the Goods on site.

49.6 The Client shall, by written notice served on the Contractor with a copy to the Purchaser, promptly indicate any claim(s) arising under the warranty.

49.7 The Contractor shall, within the prescribed time period, after receipt of such notice, repair or replace the defective / damaged Goods or parts thereof on site, without any cost to the Purchaser.

49.8 The end user licenses, end user warranties and end user contracting support services shall be in the name of Purchaser, for the Goods supplied, the Services provided and the Works done, under the Contract.

50. Ownership of Goods and Replaced Components

Goods to be supplied to the Purchaser, pursuant to the Contract, shall become the property of the Purchaser when the Goods are taken over by the Purchaser. Defective components to be replaced by the Contractor, pursuant to the Contract, shall become the property of the Contractor as and where it lies.

51. Defects Liability Expiry Certificate

51.1 The Contractor shall, after expiry of the warranty period, by written notice served on the Client with a copy to the Purchaser, apply for a Defects Liability Expiry Certificate.

51.2 The Client shall, within seven days of receipt of such notice, either issue the Defects Liability Expiry Certificate to the Contractor with a copy to the Purchaser, stating the date of expiry of the Warranty Period for all the Goods supplied and fulfillment of all obligations by the Contractor, under the Contract; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Defects Liability Expiry Certificate to be issued.

52. Payment

52.1 The Contractor shall provide all necessary supporting documents along with invoice.

52.2 The Contractor shall submit an Application for Payment, to the Purchaser. The Application for Payment shall: be accompanied by such invoices, receipts or other documentary evidence as the Purchaser may require; state the amount claimed; and set forth in detail, in the order of the Price Schedule, particulars of the Goods supplied, the Services provided and the Works done, up to the date of the Application for Payment and subsequent to the period covered by the last preceding Payment, if any.

52.3 The Purchaser shall get verified the details of Goods/Services delivered against the invoice from the concerned Technical Team of PITB and Payment shall be made on complete delivery of Hardware and after issuance of satisfactory certificate by concerned technical team of PITB, as per details given in relevant Letter of Acceptance.

52.4 The Purchaser shall pay the amount verified within thirty (30) days. Payment shall not be made in advance and against partial deliveries. The Purchaser shall make payment for the Goods supplied, the Services provided and the Works done as per, to the Contractor, as per Government policy, in Pak Rupees, through treasury cheque.

52.5 The Contractor shall cause the validity period of the performance security to be extended for such period(s) as the contract performance may be extended.

52.6 All payments shall be subject to any and all taxes, duties and levies applicable under the laws of Pakistan, for the whole period starting from issuance of Acceptance Letter till termination of the signed contract in this regard.

53. Price

The Contractor shall not charge prices for the Goods supplied, the Services provided and for other obligations discharged, under the Contract, varying from the prices quoted by the Contractor in the Price Schedule.

54. Contract Amendment

54.1 The Purchaser may at any time, by written notice served to the Contractor, alter or amend the contract for any identified need/requirement in the light of prevailing rules and regulations.

54.2 The Contractor shall not execute any Change until and unless the Purchaser has allowed the said Change, by written order served on the Contractor with a copy to the Client.

54.3 The Change, mutually agreed upon, shall constitute part of the obligations under this Contract, and the provisions of the Contract shall apply to the said Change.

54.4 No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

55. Assignment / Subcontract

55.1 The Contractor shall not assign or sub-contract its obligations under the Contract, in whole or in part, except with the Purchaser's prior written consent.

55.2 The Contractor shall guarantee that any and all assignees / subcontractors of the Contractor shall, for performance of any part / whole of the work under the contract, comply fully with the terms and conditions of the Contract applicable to such part / whole of the work under the contract.

56. Extensions in time for performance of obligations under the Contract

If the Contractor encounters conditions impeding timely performance of any of the obligations, under the Contract, at any time, the Contractor shall, by written notice served on the Purchaser with a copy to the Client, promptly indicate the facts of the delay, its likely duration and its cause(s). As soon as practicable after receipt of such notice, the Purchaser shall evaluate the situation and may, at its exclusive discretion, without prejudice to any other remedy it may have, by written order served on the Contractor with a copy to the Client, extend the Contractor's time for performance of its obligations under the Contract.

57. Liquidated Damages

If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, deduct from the Contract Price, as liquidated damages, a sum of money @0.25% of the total Contract Price which is attributable to such part of the Goods / the Services / the Works, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.

58. Blacklisting

If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract or found to have engaged in corrupt or fraudulent practices in competing for the award of contract or during the execution of the contract, the Purchaser may without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders in public sector, as per provision of Punjab Procurement Rules, 2014 and PITB Procurement Regulations and Guidelines.

59. Forfeiture of Performance Security

59.1 The Performance Security shall be forfeited by the Purchaser, on occurrence of any / all of the following conditions:

59.1.1. If the Contractor commits a default under the Contract;

59.1.2. If the Contractor fails to fulfill any of the obligations under the Contract;

59.1.3. If the Contractor violates any of the terms and conditions of the Contract.

59.2 The Contractor shall cause the validity period of the performance security to be extended for such period(s) as the contract performance may be extended.

59.3 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, forfeit Performance Security of the Contractor.

59.4 Failure to supply required items/services within the specified time period will invoke penalty as specified in this document. In addition to that, Performance Security amount will be forfeited and the company will not be allowed to participate in future tenders as well.

60. Termination for Default

60.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor with a copy to the Client, indicate the nature of the default(s) and terminate the Contract, in whole or in part, without any compensation to the Contractor. Provided that the termination of the Contract shall be resorted to only if the Contractor does not cure its failure / delay, within fifteen working days (or such longer period as the Client may allow in writing), after receipt of such notice.

60.2 If the Purchaser terminates the Contract for default, in whole or in part, the Purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, Goods / Services / Works, similar to those undelivered, and the Contractor shall be liable to the Purchaser for any excess costs for such similar Goods / Services / Works. However, the Contractor shall continue performance of the Contract to the extent not terminated.

61. Termination for Insolvency

If the Contractor becomes bankrupt or otherwise insolvent, the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor with a copy to the Client, indicate the nature of the insolvency and terminate the Contract, in whole or in part, without any compensation to the Contractor.

62. Termination for Convenience

62.1 Any of the parties may, at any time, by written notice served on the other party with a copy to the Client, terminate the Contract, in whole or in part, for its convenience, without any compensation to the other party.

62.2 The Goods and the Services, which are, complete or to be completed by the Contractor, within thirty working days after the receipt of such notice, shall be accepted by the Purchaser. For the remaining Goods / Services, the Purchaser may elect:

62.2.1 to have any portion thereof completed and delivered; and/or

62.2.2 to cancel the remainder and pay to the Contractor an agreed amount for partially completed Goods, Services, Works and materials / parts previously procured by the Contractor for the purpose of the Contract, together with a reasonable allowance for overhead & profit.

63. Force Majeure

63.1 For the purpose of this contract "Force Majeure" means an event which is beyond the reasonable control of a party and which makes a party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances, and includes, but is not limited to, War, Riots, Storm, Flood or other industrial actions (except where such strikes, lockouts or other industrial are within the power of the party invoking Force Majeure), confiscation or any other action by Government agencies. In all disputes between the parties as to matters arising pursuant to this Contract, the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by one or more arbitrators selected in accordance with said Law. The place for arbitration shall be Lahore, Pakistan. The award shall be final and binding on the parties.

63.2 The Contractor shall not be liable for liquidated damages, forfeiture of its Performance Security, blacklisting for future tenders, termination for default, if and to the extent his failure / delay in performance /discharge of obligations under the Contract is the result of an event of Force Majeure.

63.3 If a Force Majeure situation arises, The Contractor shall, by written notice served on The Purchaser, indicate such condition and the cause thereof. Unless otherwise directed by The Purchaser in writing, The Contractor shall continue to perform under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

63.4 Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or Agents or Employees, nor (ii) any event which a diligent Party could reasonably have been expected to both (A) take into account at the time of the conclusion of this Contract and (B) avoid or overcome in the carrying out of its obligations here under.

63.5 Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

64. Dispute Resolution

64.1 The Purchaser and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.

64.2 If, after thirty working days, from the commencement of such informal negotiations, the Purchaser and the Contractor have been unable to amicably resolve a Contract dispute, either party may, require that the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by one or more arbitrators selected in accordance with said Law. The place for arbitration shall be Lahore, Pakistan. The award shall be final and binding on the parties.

65. Statutes and Regulations

65.1 The Contract shall be governed by and interpreted in accordance with the laws of Pakistan.

65.2 The Contractor shall, in all matters arising in the performance of the Contract, conform, in all respects, with the provisions of all Central, Provincial and Local Laws, Statutes, Regulations and By-Laws in force in Pakistan, and shall give all notices and pay all fees required to be given or paid and shall keep the Purchaser indemnified against all penalties and liability of any kind for breach of any of the same.

65.3 The Courts at Lahore shall have the exclusive territorial jurisdiction in respect of any dispute or difference of any kind arising out of or in connection with the Contract.

66. Taxes and Duties

The Contractor shall be entirely responsible for all taxes, duties and other such levies imposed make inquiries on income tax / sales tax to the concerned authorities of Income Tax and Sales Tax Department, Government of Pakistan.

67. Contract Cost

The Contractor shall bear all costs / expenses associated with the preparation of the Contract and the Purchaser shall in no case be responsible / liable for those costs / expenses. The successful bidder shall provide legal stamp papers of relevant value according to Govt rules and regulations for signing of the formal contract.

68. The Client

68.1 The Client shall only carry out such duties and exercise such authority as specified in the Contract. The Client shall have no authority to relieve the Contractor of any of his obligations under the Contract, except as expressly stated in the Contract.

68.2 The Contractor shall proceed with the decisions, instructions or approvals given by the Client in accordance with these Conditions.

68.3 The Client shall conform to all the relevant clauses of this Tender Document to carry out all responsibilities assigned thereto in a timely manner.

69. Authorized Representative

69.1 The Purchaser, the Client or the Contractor may, at their exclusive discretion, appoint their Authorized Representative and may, from time to time, delegate any / all of the duties / authority, vested in them, to their authorized Representative(s), including but not limited to, signing on their behalf to legally bind them, and may, at any time, revoke such delegation.

69.2 The Authorized Representative shall only carry out such duties and exercise such authority as may be delegated to him, by the Purchaser, the Client or the Contractor.

69.3 Any such delegation or revocation shall be in writing and shall not take effect until notified to the other parties to the Contract.

69.4 Any decision, instruction or approval given by the Authorized Representative, in accordance with such delegation, shall have the same effect as though it had been given by the Principal.

69.5 Notwithstanding Clause 69.2, any failure of the Authorized Representative to disapprove any Goods or Services or Works shall not prejudice the right of the Client to disapprove such Goods or Services or Works and to give instructions for the rectification thereof.

69.6 If the Contractor questions any decision or instruction of the Authorized Representative of the Purchaser / the Client, the Contractor may refer the matter to the Purchaser / the Client who shall confirm, reverse or vary such decision or instruction.

70. Waiver

Failure of either party to insist upon strict performance of the obligations of the other party, under the Contract, shall in no way be deemed or construed to affect in any way the right of that party to require such performance.

71. Training

71.1 The Contractor shall arrange and undertake a comprehensive training program for the staff nominated by the Purchaser / the Client to ensure that they shall acquire a good working knowledge of the operation, and general maintenance of the Goods to be supplied under the Contract.

71.2 In case of non-compliance with instructions, non-cooperation or other difficulties experienced by the Contractor with regard to any of these personnel, the Contractor shall apprise the Purchaser / Client and proceed to implement suitable remedial measures after consultation with them.

72. Documentation

The Contractor shall furnish the user documentation, the operation manuals, and service manuals for each appropriate unit of the supplied Goods and other information pertaining to the performance of the Goods, in hard copy format, in soft copy format and in the form of on-line help, before the Goods are taken over by the Purchaser.

73. Special Stipulations

<table>
<tr><td colspan="2">SCHEDULE-A, SPECIAL STIPULATIONS</td></tr>
<tr><td colspan="2">For ease of Reference, certain special stipulations are as under:</td></tr>
<tr><td>Bid Security (Earnest Money)</td><td>The Contractor shall furnish the Bid Security (earnest Money) as under:
separately against each LOT; in the form of Demand Draft / Pay Order / Call Deposit Receipt, in the name of the Purchaser; denominated in Pak Rupees; for amounts as mentioned in following table against different lots;
<table>
<tr><th>LOT No.</th><th>BS Amount</th></tr>
<tr><td>1</td><td>300,000/-</td></tr>
<tr><td>2</td><td>15,000/-</td></tr>
<tr><td>3</td><td>200,000/-</td></tr>
<tr><td>4</td><td>10,000/-</td></tr>
<tr><td>5</td><td>45,000/-</td></tr>
<tr><td>6</td><td>150,000/-</td></tr>
<tr><td>7</td><td>10,000/-</td></tr>
<tr><td>8</td><td>30,000/-</td></tr>
<tr><td>9</td><td>6,000/-</td></tr>
<tr><td>10</td><td>5,000/-</td></tr>
<tr><td>11</td><td>2,000/-</td></tr>
<tr><td>12</td><td>50,000/-</td></tr>
<tr><td>13</td><td>5,000/-</td></tr>
</table>
Have a minimum validity period of one hundred and twenty (120) days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.</td></tr>
<tr><td>Performance Security</td><td>The successful Contractor shall furnish Lot wise Performance Security as under:
Within twenty eight (28) days of the receipt of the Acceptance Letter from the Purchaser; in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document; for a sum equivalent to 10% of the total contract value; denominated in Pak Rupees;
Have a minimum validity period until the date of expiry of warranty period, support period or termination of services, or fulfillment of all obligations under the contract, <u>whichever is later.</u></td></tr>
<tr><td>Delivery of Hardware/Software/IT Equipment</td><td>Within four (04) to six (06) weeks from the issuance of Acceptance Letter for all Lots.</td></tr>
<tr><td>Liquidated damages for failure / delay in supply / installation / configuration of Goods / Services / Works by the Contractor</td><td>If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, deduct from the Contract Price, as liquidated damages, a sum of money @0.25% of the total Contract Price which is attributable to such part of the Goods / the Services / the Works, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.</td></tr>
</table>

ANNEXURE-A

LOT # 01

(Item 01)

SERVERS QTY (3)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION (Minimum Specifications)**
1	Device	2U Rack Server
2	Processor	2 x Intel Xeon E5 2600 v4 CPU, Processor Base Frequency 2.4GHz , 14 cores, 35M cache, equivalent or higher
3	Memory	8 x 32GB DDR4 2400
4	Disk	2 x 400GB SSD disk equivalent or higher
5	RAID Controller	Independent RAID controller card, 12Gb/s, support RAID 0, 1, 10 or more
6	Network Adapter	4 x GE port and 2 x 10GE port
7	HBA Card	1 x dual-port 16Gb/s FC HBA card with optical transceivers
8	Optical Drive	1 x built-in DVD-RW
9	Power Supply	Redundant hot-swappable
10	Stability	Support long-term operating temperature under specific conditions
11	Power Cables	Power cables compatible with pre-Installed PDU
12	System Management	Enterprise version system management software with full features. Support independent remote management through graphical user interfaces. Users can access the server remotely and take full control including remote startup, shutdown, and reset, and virtual floppy and DVD-ROM drives. The remote management should be independent of server OS
13	Compatibility	Supports mainstream operating systems, such as Windows, Red hat Linux, SuSE Linux, VMware.
NOTE:		
1- Servers Deployment/Installation/Mounting/configuration in the Rack will be done by the vendor team		

LOT # 01
(Item 02)

SAN (Storage Area Network) QTY: (2)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION (Minimum Specifications)**
	Storage Architecture	The storage shall be unified storage that supports IP SAN, FC SAN and NAS. The Storage must be 100% redundant with no single point of failure. It must have load balancing and seamless failover capability in case of a component failure
	Controller	Active-Active dual controllers
	Controller Cache	64GB or more controller cache for SAN, not including Flash Cache, SSD cache or any other performance acceleration module
	Disk Drives	The storage should support SSD, SAS, and NL-SAS disks
	Front-end Host Ports	2 x 4 port 16Gb/s FC ports, 2 x 2 port 1GE, all ports should have required SFPs and activated
	Back-end disk channels	Provide 12Gb/s SAS 3.0 disk channels for back-end disk channels
	Max Drives	Support up to 150 disk slots or more
	RAID Level	The storage array should support RAID 5, 6, or more
	Storage Capacity	18 x 1.2TB (or higher) SAS 10K RPM or more; 11 x 4TB (or higher) NL-SAS 7.2K RPM or more; 10 TB raw space (without Raid and Hot Spare Drive) or more enterprise class SSD (number of drives should not be less than 10 and greater than 15)
	Data Snapshot	Support data snapshots.
	Replication	Licenses are required for remote replication. Both synchronous and asynchronous replication should be supported.
	NAS Features	The storage should support NFS
	Auto Tiering	Support automated storage tiering, i.e. automated progression or demotion of data across different tiers of storage media (SSD, SAS and NL-SAS)
	Thin Provisioning	The storage should provide thin provisioning of volumes

	Redundancy	The storage array shall be configured with no single point of failure so that failure of storage node / controller shall not impact the operations. - Redundant power supplies - Redundant disk arrays - Redundant I/O modules
	Management	Graphical management software with comprehensive functions. Storage array and volume management software are included. Graphical management software and monitoring software are configured
	Compatibility	Support mainstream operating systems and virtualization such as Red Hat Linux, Suse Linux, Windows Server 2012, and VMware ESXi
NOTE:		
1- The vendor is responsible for the SAN Solution Deployment/Installation/Mounting/configuration in the Rack and installation of Configuration Management software, Server Operating System, provide in house hands-on training to minimum 5 resources for the efficient configuration and management of the system and no extra charges will be paid for the training.		

LOT # 01

(Item 03)

FC SAN Switch **QTY: (1)**		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION (Minimum Specifications)**
1	Device	48-Port 16Gb/s FC SAN Switch with all ports activated, end-to-end duplex, equivalent or higher
2	Multi-mode SFP	48 x 16Gb/s multi-mode SFP module
3	Multi-mode Patch Cord	48 multi-mode patch cord for connectivity, 5 meters or more
4	Performance	Support auto-sensing of 4, 8, 16 Gb/s port speeds
5	Management	Support advanced web tools, advanced performance monitoring and fabric vision
6	Power Supply	Dual AC power supply
7	Accessory	All required accessory for installation with Power cables compatible with pre-installed PDU.
NOTE:		
1- The vendor is responsible for the SAN Solution Deployment/Installation/Mounting/configuration in the Rack and installation of Configuration Management software, Server Operating System, provide in house hands-on training to minimum 5 resources for the efficient configuration and management of the system and no extra charges will be paid for the training.		

LOT # 01

(Item 04)

BACKUP TAPE LIBRARY SOLUTION QTY(1)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION (Minimum Specifications)**
1	Drive Technology	Support for LTO-7 Tape Drives
2	Chassis	2U/4U Form Factor
3	Tape Drives	2 x LTO Ultrium 7
5	Cleaning Cartridges	LTO Cleaning Cartridge x1
6	Interface Type	8GB Minimum FC Connectivity
7	Form Factor	Rack mount with mounting and 24 minimum Cartridge Slots
8	Power Supplies	Redundant Power Supply
9	Cartridges	20 Cartridges of LTO-7
NOTE:		
1- The vendor is responsible for the Backup Solution Deployment/Installation/Mounting/configuration in the Rack and installation of Configuration Management software, Server Operating System, provide in house hands-on training to minimum 5 resources for the efficient configuration and management of the system and no extra charges will be paid for the training. .		

LOT # 02

Server Antivirus & Ransom-ware Protection Solution With Heartbeat Qty (1)		
SR. #	ITEMS	REQUIREMENT DESCRIPTION (Minimum Specifications)
1	Required Features	• Required 50 Nodes License of Server Protection with minimum 2 years subscription. • The solution must have online cloud based central management & administration portal. • Next-generation protection that should prevent ransom-ware, analyzes behavior, blocks malicious traffic, and more • Proposed solution should provide real time insight and control of server machines. • Security Heartbeat functionality between firewall/UTM and endpoint solution, delivering Synchronized Security with Firewall or UTM for faster response to advanced threats is a must. • Solution should provide detailed root-cause analysis for threats reports regarding any ransom-ware attacks. • Built-in web security that automatically blocks access to malicious and

		infected websites. • Web filtering that works across devices to enforce company policies. • Multi-platform protection for Windows, Mac, and Linux based server operating systems. • Simple, intuitive management, hosted in the cloud. • Solution should also have the option to update agents using locally deployed cache server. • Finely-tuned detection rules, security updates, and software upgrades and certified expert support. • Solution must distinguish itself from traditional security by being 100% next-gen. • Proposed solution must shut down ransomware before it can take hostages. • Peripheral/device control for servers • Solution should include CryptoGuard, which not only should halt all ransom-ware variants, but can roll back changes to affected files (if any). • Web, application, and peripheral access policies should be allowed for users anywhere they go • Solution must provide application whitelisting/ lockdown functionality. • Solution must provide comprehensive malware scan before lockdown. • Solution must be extremely lightweight with a small footprint with small delta updates in compressed form to speed updates • Solution must prevent in-memory attacks. • Proposed solution must provide a low memory footprint on popular hypervisors such as vSphere, Hyper-V, and XenServer • Users can log in to the self-service portal to customize their security status, recover their password, and get notifications • Comprehensible threat insight and root cause analysis. Easy to understand and easy to activate, feature must provide detailed root-cause intelligence and a 360-degree visualization of the attack chain. • Automated remediation and malware removal. Solution must provide advanced detection and malware removal. • Proposed solution must have a cleaning tool built-in incase a ransomware attack occurs.

		• Discovers and protects servers on AWS and Microsoft Azure • Advanced, policy-based rules • Simplified management from the cloud • Solution must provide web security with download reputation • Anti-ransomware Protection (e.g., CryptoGuard, local and remote ransomware) • Solution must provide role based access to the cloud management console • Automatic exclusions for common applications (e.g., Exchange, SQL Server) • Solution must provide Crypto ransomware protection (behavior detection and rollback)

LOT # 03

NEXT Generation Firewalls (Virtual Appliances) Solution QTY (1 Solution)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	**Introduction**	The proposed firewalls shall be able to: • Permit or deny network transmissions based upon a set of configurable rules • Perform Deep Packet Inspection (DPI) by enabling Application Layer content filtering • Protect Cloud Infrastructure from unauthorized access whilst permitting legitimate communications to pass through (North-South Traffic). • Protect traffic between Cloud Nodes (VMs) whilst permitting legitimate communications to pass through (East-West Traffic). • Ensure Knots/ Signature Update/releases are configured to equally valid license.
2	**Scope of Work**	• The Tenderer shall propose TWO (2) Next Generation Firewalls setups for implementation in Virtualized environment with Two (2) Years (principal) support and all required licenses subscriptions. • One setup of the proposed firewalls shall comprise of Two (2) Next Generation Firewalls with advance malware protection with High Availability Redundancy. Refer to subsequent paragraphs for detailed requirements. (North-South Traffic)

		• Other (second) setup of the proposed firewalls shall comprise of all required components of Next Generation Firewall with advance malware protection, integrated with VMware NSX Cloud of 50 Host (hardware servers). Refer to subsequent paragraphs for detailed requirements. (East-West Traffic).
3	**Functional Requirements (North-South Traffic)**	**Platform:** • Identify applications, not ports. Identify exactly what the application is, across all ports, irrespective of protocol, SSL encryption, or evasive tactic. • Simplify policy management. Restore visibility and control with easy-to-use graphical tools and a policy editor that ties applications, users, and content together in a unified manner. • NGFW must have separate management (control) plane and data plane to avoid any disruption to traffic processing while managing the box or generating logs & reports. • NGFW should have on-box reporting and logging facility. The solution should not consider external reporting/log analyzer engine. But It should have ability to send logs in syslog format to remote servers i.e. SIEM if required. • Platform should be optimized for layer 7 application level content processing **Unlimited Concurrent User License:** • Application Detection, and application match should be done as the main policy match criteria not with an add on profile • Possibility to support internally developed applications with app-id customized manually by the customer • IPS, AV and AS scanning with single stream scanning with all signature applied at the same time • Anti-Virus should not reduce the IPS inspection throughput and should be able to give full threat prevention capabilities with single pass parallel processing • Anti-Spyware should not reduce the IPS inspection throughput and should be able to give full threat prevention capabilities with single pass parallel processing • Advanced malware protection to prevent unknown targeted attacks. • QoS (marking and/or traffic shaping) for 8 classes at the same time • SSL Decryption for all application traffic, and ability to block any

		unknown encryption standard • SSH Decryption for all application traffic, and ability to block any unknown encrypted standard • Identify users, not just IP addresses. Leverage information stored in Active Directory for visibility, policy creation, reporting, and forensic investigation. • Inspect content in real-time. Protect the network against attacks and malware embedded in application traffic at low-latency, high throughput speeds., all signatures applied at the same time • The proposed firewalls must allow policy rule creation for application identification, user identification, threat prevention, Uniform Resource Locator (URL) filtering, traffic management Quality of Service (QoS) per policy and scheduling in a single unified rule and not in multiple data-entry locations in the management console. • The proposed firewalls shall be administered locally on the appliance without additional management or logging software. • The proposed firewall shall have modern malware protection that identifies unknown malicious files by directly and automatically executing them in a virtual cloud-based environment to expose malicious behavior even if the malware has never been seen in the wild before without the need for additional hardware. • The proposed firewalls must have ICSA Labs certification or similar. • Firewall Virtual appliance must be compatible with VMware vSphere 6.0 and above infrastructure • Integrate with VMware (VCenter and ESXi) to monitor VM’s and create Dynamic Groups based on their OS, function • Must be able to map users to IP addresses by Captive Portal, Manual, Active Directory, Microsoft Exchange and Syslog information stores • Support for HA deployment in Active/Active and Active Passive modes • Ability to integrate with SIEM vendors, Also ability to customize syslog messages **Throughput Specification:** • At least 4 Gbps layer 7 application firewall throughput (Layer 7 Application Inspection Enabled) (the data sheet should have specific application performance value for real life traffic like HTTP not UDP) • At least 2Gbps throughput with Antivirus, Antispyware, IPS & Application Filtering & Content Filtering & URL filtering Enabled with

		all signatures (predictable performance value when application inspection is enabled with all threat prevention services for all real life traffic like HTTP not UDP) • At least 5,00,000 concurrent sessions • At least 25,000 sessions per second **Security Features Required** • Threat prevention • Antivirus/Anti-Spyware • Data Filtering • URL Filtering • IPSec VPN & SSL-VPN • Policy Based Controls • Modern Malware Prevention
4	**Functional Requirements** **(East-West Traffic)**	**Platform:** • Identify applications, not ports. Identify exactly what the application is, across all ports, irrespective of protocol, SSL encryption, or evasive tactic. • Simplify policy management. Restore visibility and control with easy-to-use graphical tools and a policy editor that ties applications, users, and content together in a unified manner. • NGFW must have separate management (control) plane and data plane to avoid any disruption to traffic processing while managing the box or generating logs & reports. • NGFW should have on-box reporting and logging facility. The solution should not consider external reporting/log analyzer engine. But It should have ability to send logs in syslog format to remote servers i.e. SIEM if required. • Platform should be optimized for layer 7 application level content processing **Unlimited Concurrent User License:** • Application Detection, and application match should be done as the main policy match criteria not with an add on profile • Possibility to support internally developed applications with app-id customized manually by the customer

		• IPS, AV and AS scanning with single stream scanning with all signature applied at the same time • Anti-Virus should not reduce the IPS inspection throughput and should be able to give full threat prevention capabilities with single pass parallel processing • Anti-Spyware should not reduce the IPS inspection throughput and should be able to give full threat prevention capabilities with single pass parallel processing • Advanced malware protection to prevent unknown targeted attacks. • QoS (marking and/or traffic shaping) for 8 classes at the same time • SSL Decryption for all application traffic, and ability to block any unknown encryption standard • SSH Decryption for all application traffic, and ability to block any unknown encrypted standard • Identify users, not just IP addresses. Leverage information stored in Active Directory for visibility, policy creation, reporting, and forensic investigation. • Inspect content in real-time. Protect the network against attacks and malware embedded in application traffic at low-latency, high throughput speeds., all signatures applied at the same time • The proposed firewalls must allow policy rule creation for application identification, user identification, threat prevention, Uniform Resource Locator (URL) filtering, traffic management Quality of Service (QoS) per policy and scheduling in a single unified rule and not in multiple data-entry locations in the management console. • The proposed firewalls shall be administered locally on the appliance without additional management or logging software. • The proposed firewall shall have modern malware protection that identifies unknown malicious files by directly and automatically executing them in a virtual cloud-based environment to expose malicious behavior even if the malware has never been seen in the wild before without the need for additional hardware. • The proposed firewalls must have ICSA Labs certification or similar. • Firewall Virtual appliance must be compatible with VMware NSX infrastructure and well integrate with NSX with simple management interface. • Should include required centralized management tools and licenses for all nodes.

		Throughput Specification: • At least 2 Gbps layer 7 application firewall throughput (Layer 7 Application Inspection Enabled) (the data sheet should have specific application performance value for real life traffic like HTTP not UDP) • At least 1Gbps throughput with Antivirus, Antispyware, IPS & Application Filtering & Content Filtering & URL filtering Enabled with all signatures (predictable performance value when application inspection is enabled with all threat prevention services for all real life traffic like HTTP not UDP) • At least 2,00,000 concurrent sessions • At least 10,000 sessions per second **Security Features Required:** • Threat prevention • Antivirus/Anti-Spyware • Policy Based Controls
5	**Security Features Details**	**Threat Prevention:** • Block viruses, spyware, malware and network worms and vulnerability exploits • File blocking by type and application • Data Leakage Prevention (scan for keywords and credit card numbers) • Anonymous Botnet Detection • Blocks application vulnerabilities • Block known network and application-layer vulnerability exploits • Block buffer overflow attacks • Block DoS/DDoS attacks • Supports attack recognition for IPv6 & IPv4 • Stream-based protection and scanning for Anti-Virus & Antispyware • Built-in Signature and Anomaly based IPS engine • Ability to create custom user-defined signatures • Supports CVE-cross referencing where applicable • Supports automatic security updates directly over a secure

		connection (i.e. no dependency of any intermediate device) • All Threats should be part of application context **Antivirus/Anti-Spyware:** • Per-application scanning options – AntiSpyware • Per-category scanning options • Phone-home detection/blocking • Malware site blocking • DNS-based botnet signatures • DNS Sink holing for Malicious domains • Per-application antivirus scanning options
NOTE:		
1- The vendor is responsible for the Firewall Solution Deployment /configuration and provide in house hands-on training to minimum 5 resources for the efficient configuration and management of the system and no extra charges will be paid for the training.		

LOT # 04
(Item 01)

Wireless Access Points **QTY (02)**		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	**Required Features**	Fully comply IEEE802.11a/b/g/n/ac wave 1/2 standard, support working in both 2.4GHz and 5GHz meanwhile, data rate min 1.0 Gbps, and support 2x2 MIMO, Min. Antenna Gain: 3 dBi or higher on 2.4GHz and 5dBi on 5GHz, should be able to work in controller based and standalone mode. Must support at least 200 users. Including rogue device detection and countermeasure, attack detection and dynamic blacklist, and STA/AP blacklist and whitelist, 802.1x authentication, MAC address authentication, and Portal authentication.
NOTE:		
1- The vendor is responsible for the Access Points Deployment/Installation/Mounting with wall mount bracket or in Rack.		

LOT # 04

(Item 02)

CCTV IP Cameras QTY (06)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	Camera	• 4MP or higher with CMOS Sensor • Progressive Scan • IR (Night vision) LED Length 50m or higher • White Balance • 2D/3D Noise Reduction, WDR
2	Lens	• 3.6mm or higher
3	Audio/ Video	• Compression H.264/MPEG • Resolution 1080p or higher • Frame Rate 25fps/30fps (1080p)
4	Network	• 10/100BaseT RJ45 interface • Protocol IGMP, SNMP, IPv4, IPv6, RTSP, RTP, HTTP, HTTPS, SMTP, DNS, SSL, TCP/IP, PPPoE, UPnP, ICMP, ONVIF etc.
5	Other	• Video Analytics ,IOS & Android Application, 802.3af (POE), Ingress Protection (IP66), Housing/Brackets complete from all aspects,
NOTE:		
1- The vendor is responsible for the CCTV Solution Deployment/Installation/Mounting with wall mount Stands & all other required accessories like network cable, Ducts, Connector etc.		

LOT # 04

(Item 03)

NETWORK VIDEO RECORDER (NVR) 16CH QTY (01)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	No. of Channels	16 Independent PoE Network Connections
2	Resolution	Video Per channel: 4MP,5MP,6MP,720P, 1080P or higher
3	Storage	Min 2 x SATA ports (4TB preinstalled)
4	Connectors & Interfaces	Audio In/Out, Ethernet 10/100/1000BaseT, USB 2.0/3.0, Alarm In/Out, HDMI, VGA etc.
	Compression	H.265/H.264/MPEG
5	Data Cable	VGA & HDMI Cables required with 15 feet length or higher
6	Others	Real time recording, Multiplex (Live/Playback, Recording, Backup, NTP (Network Time Protocol), Security User Level Manual, Operating Temperature of 0 to 50C.
7	Display Device	Two LED 19” or higher for CCTV display

8	Accessibility	Remotely accessibility from Android based and IPhone cell phone & web based interface with minimum 10 or higher concurrent remote sessions
NOTE:		
1- The vendor is responsible for the CCTV Solution Deployment/Installation/Mounting with wall mount Stands & all other required accessories like network cable, Ducts, Connector etc.		

LOT # 04

(Item 04)

IP TELEPHONE QTY (17)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	IP Phone	Should be compatible with CUCM 8.6. Full duplex speaker phone. Minimum Two lines or Higher. RJ9 head set support. 10/100 Base-T Ethernet support. Phone should receive power through POE. Monochrome display with white backlight. Support of SIP feature. Support of G.711a, G.711, G.729a & G.729b. Note: Sample to be provided at the time of submission of Bid.
NOTE: Sample to be provided at the time of submission of Bid		

LOT # 05

MONOCHROME LASERJET PRINTERS QTY (80)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	Laser Printer	Minimum Print Speed: 35 PPM or Higher. Processor: 1200 MHz or Higher. Memory: 128 MB RAM or higher. Resolution: 1200 by 1200 dpi or higher. Paper Handling Legal, A4 & letter size paper. Paper Tray(s): Two Paper Trays minimum. Network Ready. Print cancel button. Duplex Printing: Automatic Two-sided printing (Duplexer Card). LCD Display of the Print Status, With other Standard Features of the Manufacturer. Drivers: Microsoft windows 7/8/8.1/10 supportive. (with USB 2.0 cable).

LOT # 06

(Item 01)

WORKSTATIONS QTY (80)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	Processor	Intel Core i5 7th[th] generation processor 3.4GHz Base Frequency or higher
2	Mother Board	Intel Chipset
3	Memory	8 GB DDR-4, SDRAM 2133 MHz or higher
4	Hard Disk Drive	Min 500 GB SATA-II with 7200 RPM or higher

5	Super Drive (Internal)	CD+/-RW and 8X DVD RW 16X DVD R or higher
6	Display /Sound Card	Built-in Video Graphics Display and Sound Card
7	Network Adapter	Built-in 10/100/1000 base-T Gigabit Ethernet card, Wake on LAN (WOL) support
8	Monitor	18.5" or higher LED Backlit Monitor, Low Radiation, 1024 x 768 Resolution supportive.
9	Mouse & Key Board	Standard Keyboard and 2.0 USB 2-Button Optical Mouse with Scroll.
10	Casing	Tower manufacturer Standard casing with standard Power Supply
11	Power Cables	3 Branded Power Cables with 1.5 meter length
11	I/O Interfaces and Expansion Slots	Min Six USB 2.0/3.0 ports, One PCIe slot, etc.
12	Operating System	Microsoft Windows 10 Pro Licensed

LOT # 06

(Item 02)

LAPTOP (High-End) QTY (10)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	Intel M Processor	Intel® Core™ Intel Core i7 7th generation processor, 2.7 GHz Base Frequency or higher
2	Mother Board	Intel Chipset
3	Memory	8GB of DDR-4 2133 MHz or higher
4	Hard Disk Drive	Min 1 TB Hard Drive or Higher
5	Super Drive (Internal)	CD+/-RW and 8X DVD RW 16X DVD R or higher
6	Video/Display Card	On-board Graphics Controller
7	Sound Card	Standard
8	Network Adapter	On-Board 10/100/1000 base-T Ethernet card
9	LCD Display	14” to 15.6”
10	Integrated I/O Interfaces like	2 USB 2.0/3.0 Port or higher. 1 RJ45 Jack for Ethernet, VGA Port, HDMI, Bluetooth ,Finger Print Scanner, Card Reader and other standard features
11	Wireless LAN on Board	Wireless 802.11 g/n or ac
12	Batteries & Power Adopter	Li-ion Re-chargeable Battery pack with estimated 3 to 4 hours battery Backup or higher
13	Mouse & Key Board	standard keyboard and integrated Touch Pad

14	Carrying Case	Backpack Bag as manufacturer standard (Sample required)
15	Mouse (wireless)	2.0 USB 2-Button Optical Mouse with Scroll (Wireless) (Same Manufacture as Notebook)
16	Camera	Built-in
17	Operating System	Microsoft Windows 10 Pro/Enterprise Licensed

LOT # 06

(Item 03)

LAPTOP (MID-RANGE) QTY (24)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	Intel M Processor	Intel® Core™ i5 7th generation Processor, 2.5GHz Base frequency or higher
2	Mother Board	Intel Chipset
3	Memory	8 GB of DDR-4 2133 MHz or higher
4	Hard Disk Drive	Min 1 TB Hard Drive or Higher
5	Super Drive (Internal)	CD+/-RW and 8X DVD RW 16X DVD R or higher
6	Video/Display Card	On-board Graphics Controller
7	Sound Card	Standard
8	Network Adapter	On-Board 10/100/1000 base-T Ethernet card
9	LCD Display	14” to 15.6”
10	Integrated I/O Interfaces like	Min. 3 USB Ports 2.0/3.0, VGA,HDMI, Media Card Read and other standard ports
11	Wireless LAN on Board	Wireless 802.11 g/n or ac
12	Batteries & Power Adopter	Li-ion Re-chargeable Battery pack with estimated 3 to 4 hours battery Backup or higher
13	Mouse & Key Board	standard keyboard and integrated Touch Pad
14	Carrying Case	Backpack Bag as manufacturer standard (Sample Required)
15	Mouse (wireless)	2.0 USB 2-Button Optical Mouse with Scroll (Wireless) (Same Manufacture as Notebook)
16	Camera	Built-in
17	Operating System	Microsoft Windows 10 Pro/Enterprise Licensed

LOT # 06

(Item 04)

LAPTOP Core i5			QTY
Sr. #	Item	Description (Minimum Specifications)	02
1.	Processor	Intel Core i5 7th Generation 2.5 GHz (Base Frequency) or higher	
2.	Mother Board	Intel chipset	
3.	Memory	8 GB DDR4, 2133 MHZ or higher	
4.	Hard Disk Drive	Min 500 GB or higher	
5.	Super Drive Internal/External	DVD/-RW Super Multi Drive	
6.	Video/Display Card	On Board	
7.	Sound Card	On Board (Standard)	
8.	Network Adapter	Onboard 10/100/1000 base-T Gigabit Ethernet card.	
9.	LCD Display	14”-15.6”	
10.	Integrated I/O Interfaces	Minimum 2 X USB 2.0/3.0 Ports, External VGA/HDMI Port and other standard features.	
11.	Wireless LAN	Wireless 802.11 b/g/n or ac with Bluetooth.	
12.	Batteries & Power Adapter	Li-ion pack with minimum 3-4 hours backup or higher	
13.	Mouse & Key Board	Standard keypad and integrated Touch Pad	
14.	Camera	Built in Camera	
15.	Carrying Case/Bag pack	As per manufacturer standard	

LOT # 07

UPS **QTY (80)**		
S #	**ITEM**	**DESCRIPTION** (Minimum Specifications)
1	1 KVA UPS	1 KVA with dry batteries, surge protection, processor control, **Line Interactive Technology**, at least 5 minutes backup time or higher on a single PC, 4-5 hours recharge time, Serial/USB Port, Plug and Play, Minimum Two UPS Power Cables, UPS Monitoring Software, with other standard features.

LOT # 08

Item # 1

QR Reader QTY (80)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	QR Reader	• USB plug and play corded. • No separate power required. • Error Control: High and Low error correction modes • Matrix Size: 40*40 • Digit: 16 code • Data Capture: 1D, 2D • Scan Type: Image
NOTE:		
1- Sample to be provided at the time of submission of Bid		

LOT # 08

Item # 2

EXTERNAL HARD DISKS QTY (15)		
SR. #	**ITEMS**	**REQUIREMENT DESCRIPTION** (Minimum Specifications)
1	External Hard Drive	Capacity :6TB or higher, USB 3.0 Interface compatible with USB 2.0, Auto backup , Password protection with Hardware encryption. With external AC Power adaptor

LOT # 09

(ITEM# 01)

	Laser Printer (All in One Printer)	**QTY**
S#	**Description (Minimum Specification)**	
1	Printer: Print Speed: 40 PPM or higher, Processor 1200 MHz or Higher, Resolution: 1200 x 1200 dpi, Memory: 256 MB or Higher, Network Ready (10/100/1000 Base-R LAN interface), Full Duplex, Paper Handling: Legal, A4 & letter size paper, Paper Tray(s): Two paper trays minimum, Scanning: Flatbed/ADF, Resolution 600 x 600 dpi, Scan Speed 25PPM (B&W), 15PPM (Color). Copying: Copy Speed 30CPM or higher, Resolution 600 x 600 dpi. Fax Resolution: upto 300 x 300 dpi. Other standard features like LCD display, print cancel button, etc., Drivers: Microsoft windows 7/8/10 and Linux supportive. Along with USB 2.0 cable.	05

(ITEM# 02)

Color Printer (Minimum Specifications)	QTY
Maximum Print speed: 40ppm or higher Color, Duty Cycle 50,000 pages or higher, Resolution 1200x1200dpi or higher, Processor speed 1200MHz or higher, 1 10/100/1000 Ethernet port and 802.11 b/g/n wireless connectivity, Minimum memory: 256MB or higher, 2 Paper Trays or higher. Paper handling support: Letter, A-4, Legal. Duplex printing, Network Ready and other standard features like print cancel button etc. Drivers support of Microsoft Windows and Linux support etc. with USB 2.0 Cable and other allied accessories.	01

LOT # 10

Android Mobile Tablets Brands: Samsung, LG, Huawei or equivalent		QTY
Sr. #	**ITEM DESCRIPTION (Minimum Specifications)**	15
1.	Battery Capacity: 3500 mAh or higher,	
2.	OS: Android Jellybean 4.0 or higher,	
3.	Expansion Memory: Micro SD Card Reader (Support up to 32GB),	
4.	On Board Memory: 8GB, Processor: 1.2 GHz Dual Core or higher	
5.	SIM based Connectivity: Support for GPRS/EDGE/3G technology (Voice and SMS enabled)	
6.	Display Size: 7 inches (Multi touch capacitive) or higher	
7.	Screen Resolution: 1024 x 600 or higher	
8.	RAM: 1 GB or higher	
9.	Audio: Support all the usual audio formats, Audio output: 3.5mm headphone jack, Stereo speakers	
10.	USB: V2.0, Wireless: 802.11b/g/n wifi, Bluetooth 3.0,	
11.	Camera: Front: 0.3 Megapixels, Rear: 3 Megapixels, or higher	
12.	12.Sensors: GPS position, Accelerometer	
13.	13.Charging options: AC Adaptor, USB Cable	
14.	14.Carrying Bag: Standard hard-frame carrying bag similar to a laptop bag (with adjustable belt/padded shoulder strap) in order to carry a Tablet PC along with a few hard-cover/paperback office file, Safety Cover: Protective Cover/Pouch	
NOTE: Sample to be provided at the time of submission of Bid		

LOT # 11

Air Conditioners Brands: Haier, Dawlance, GREE, Orient or equivalent		QTY
Sr. #	**ITEM DESCRIPTION (Minimum Specifications)**	02
1.	Cooling 18000 BTU (1.5 Ton), Remote control, with installation, branded unit.	

LOT # 12

Generator (60 KVA, including wire, Cable & Installation)		QTY
Sr. #	**ITEM DESCRIPTION (Minimum Specifications)**	
1.	60 KVA, Diesel Generating set including wire, Cable & Installation	
2.	Engine Specifications:	
	• With starter motor • alternator with DC output	

	• 3 Cylinder • Cartridge type dry air filter • Water Cooled cooling system • Starting battery & Exhaust silencer	01
3.	Alternator Specifications:	
	• Single Bearing • Mechanical protection IP23 • Insulation Class H • Self-Exciting Synchronous alternator • AVR as standard with +-1% voltage regulation • 60kVA 48kW • 380-415 Volts • 3 Phase • 0.8 Pf 50Hz at 1500 RPM • 145Liters or higher fuel tank capacity Diesel generating set complete with breaker Panel, exhaust silencer, battery and Deep Sea Control Panel complete with all necessary accessories. Canopy, ATS with MOR, Foundation Pad, Earthling, Power Cabling, Control Cables, Transportation up to site, Installation & Commissioning with anti-vibration mounting pads. And all other standard features.	

LOT # 13

POE Switch		QTY
Sr. #	**Poe ITEM DESCRIPTION (Minimum Specifications)**	02
1.	POE Gigabit Switch 24 ports or higher, 1U Rack Mountable, Manageable.	

FORMS & OTHER REQUIRED DOCUMENTS

ANNEXURE-B

Technical Proposal Submission Form

[Location, Date]

To (Name and address of Client / Purchaser)_

Dear Sir,

We, the undersigned, offer to provide the (insert title of assignment)_ in accordance with your Request for Proposal/Tender Document No.______ dated _(insert date)_ and our Proposal. We are hereby submitting our Proposal, which includes the Technical Proposal and the Financial Proposal sealed in two separate envelopes.

We undertake, if our Proposal is accepted, to provide supply of _________related to the assignment.

We also confirm that the Government of Pakistan / Punjab has not declared us, or any, ineligible on charges of engaging in corrupt, fraudulent, collusive or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and we are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature (Original)

(In full and initials)

Name and Designation of Signatory

Name of Firm

Address

ANNEXURE-C

Financial Proposal Submission Form (Part of Financial Bid Envelope)

[Location, Date]

To (Name and address of Client / Purchaser)_

Dear Sir,

We, the undersigned, offer to provide the (Insert title of assignment) in accordance with your Request for Proposal No._______ dated (insert date) and our Technical Proposal. Our attached Financial Proposal is for the sum of (insert amount in words and figures). This amount is inclusive of all taxes.

Our Financial Proposal shall be binding upon us up to expiration of the validity period of the Proposal, i.e. before the date indicated in _______ of the Proposal Data Sheet.

We also declare that the Government of Pakistan / Punjab has not declared us or any Sub-Contractors for any part of the Contract, ineligible on charges of engaging in corrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

Signed

In the capacity of:

Duly authorized to sign the proposal on behalf of the Applicant.

Date:

<u>ANNEXURE-D</u>

Price Schedule/ Financial Cost Sheet (separately for each lot)

Sr. No.	Item Description	No of Units/QTY (1)	Unit Rate (Incl. all Taxes, if applicable) Rs. (2)	Total Cost (Incl. all Taxes) Rs (3=1x2)
1				
2				
Total Bid Price				**X**

<u>Notes to Price Table:</u>

i. **X** will determine the total bid cost for all items under each Lot.
ii. Prices must be quoted for all items under each Lot.
iii. The Purchaser reserves exclusive rights to increase / decrease the quantities of Goods/equipment/hardware mentioned vide this tender document.
iv. Hardware quoted must be legally imported in Pakistan after paying all taxes.
v. Standard Warranty for one (1) year after purchase of equipment.

Total Cost (in words) Rs. ________

Date ____________

Signature of authorized person

Name:

(Company Seal)

____

In the capacity of

Duly authority by

Note: No cutting or overwriting is allowed. Any cutting or overwriting will lead to rejection of the financial bid.

<u>ANNEXURE-E</u>
Format for Covering Letter

To
(Name and address of Purchaser)

Sub: ____.

Dear Sir,

a) Having examined the tender document and Appendixes we, the undersigned, in conformity with the said document, offer to provide the said items on terms of reference to be signed upon the award of contract for the sum indicated as per financial bid.

b) We undertake, if our proposal is accepted, to provide the items/services comprise in the contract within time frame specified, starting from the date of receipt of notification of award from the client Department / Office.

c) We agree to abide by this proposal for the period of ____ days (as per requirement of the project) from the date of bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

d) We agree to execute a contract in the form to be communicated by the _(insert name of the Purchaser)_, incorporating all agreements with such alterations or additions thereto as may be necessary to adapt such agreement to the circumstances of the standard.

e) Unless and until a formal agreement is prepared and executed this proposal together with your written acceptance thereof shall constitute a binding contract agreement.

f) We understand that you are not bound to accept a lowest or any bid you may receive, not to give any reason for rejection of any bid and that you will not defray any expenses incurred by us in biding.

____

Authorized Signatures with Official Seal

ANNEXURE-F

INSTRUCTION FOR PREPARATION OF POWER OF ATTORNEY

a) To be executed by an authorized representative of the bidder.

b) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.

c) Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.

d) In case the Application is signed by an authorized Director / Partner or Proprietor of the Applicant, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.

Format of Power-of-Attorney

POWER OF ATTORNEY

(On Stamp Paper of relevant value)

Know all men by these presents, we (name of the company and address of the registered office) do hereby appoint and authorize Mr. (full name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for (name of the project) in response to the tenders invited by the (name of the Purchaser) including signing and submission of all documents and providing information/responses to (name of the Purchaser) in all matters in connection with our Bid.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this _____ day of ____________________ 20__

For ________________________________

(Signature)

(Name, Designation and Address)

Accepted

(Signature)

(Name, Title and Address of the Attorney)

Date:

ANNEXURE-G

UNDERTAKING

It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with. We have gone through all the conditions of tender and are liable to any punitive action for furnishing false information / documents.

Dated this _____ day of ____________________ 20__

Signature

(Company Seal)

____

In the capacity of

Duly authorized to sign bids for and on behalf of:

ANNEXURE-H

(To be submitted on legal stamp paper)

AFFIDAVIT

(Integrity Pact)

We _(Name of the bidder / supplier)_ being the first duly sworn on oath submit, that Mr. / Ms. ________ (if participating through agent / representative) is the agent / representative duly authorized by _(Name of the bidder company)_ hereinafter called the Contractor to submit the attached bid to the _(Name of the Purchaser)_. Affiant further states that the said M/s (Bidding Firm/Company Name) has not paid, given or donate or agreed to pay, given or donate to any line officer or employee of the _(Name of the Purchaser)_ any money or thing of value, either directly or indirectly, for special consideration in the letting of the contract, or for giving undue advantage to any of the bidder in the bidding and in the evaluation and selection of the bidder for contract or for refraining from properly and thoroughly maintaining projects implementations, reporting violation of the contract specification or other forms of non-compliance.

[The Seller/Supplier/Contractor] 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 the Purchaser and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[The Seller/Supplier/Contractor] 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 the Purchaser under any law, contract or other instrument, be voidable at the option of the Purchaser.

Notwithstanding any rights and remedies exercised by the Purchaser in this regard, [the Seller/Supplier/Contractor] agrees to indemnify the Purchaser for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to the Purchaser in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Seller/Supplier/Contractor] 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 the Purchaser.

____
Signature & Stamp

Subscribed and sworn to me this ________ day of _____ 20__

____ Notary Public

ANNEXURE-I

PERFORMANCE SECURITY

Issuing Authority:
Date of Issuance:
Date of Expiry:

WHEREAS [Name and Address of the Contractor] (hereinafter called "the Contractor") has agreed to supply the Goods and render the Services against Tender Name. ______, Tender No._______ (hereinafter called "the Contract") for the Contract Value of PKR (in figures ____________________) (in words ____________________________________).

AND WHEREAS it has been stipulated in the Tender Document that the successful Contractor shall furnish Performance Security, within twenty eight (28) days of the receipt of the Acceptance Letter (Letter of Acceptance) from the Purchaser, in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per this format, for a sum equivalent to Rs.____________________(10% of the contract value) valid from the date of issue until all obligations have been fulfilled in accordance with the Contract;

AND WHEREAS [Name of the Bank] having registered office at [Address of the Bank] (hereinafter called "the Guarantor") has agreed to give the Contractor a Guarantee;

THEREFORE the Guarantor hereby affirms to bind himself, his successors and his assigns to the Purchaser, for the sum of PKR (in figures ____________________) (in words ____________________________________) and undertakes to pay to the Purchaser, upon receipt of his written demand(s), any sum(s) as specified by him, not exceeding the above limit in aggregate, without cavil / argument and without the Purchaser having to substantiate / prove or to show grounds / reasons for such claim(s), on the occurrence of any / all of the following conditions:

1. If the Contractor commits a default under the Contract;
2. If the Contractor fails to fulfill any of the obligations under the Contract;
3. If the Contractor violates any of the provisions of the Contract.

Provided that the Purchaser shall specify the occurred condition(s) owing to which the said sum is due to him.

Provided further that any demand(s) / claim(s) from the Purchaser shall reach the Guarantor before the expiry of the Guarantee.

This guarantee shall remain valid up to ___________________ or until expiry of warranties / support period or all obligations have been fulfilled in accordance with the Contract, **whichever is later**.

Date this ________________day of 2018.

GUARANTOR

Signature ___________________

CNIC # ___________________

Name ___________________

Designation ___________________

Address ___________________