



**SHAHEED ZULFIQAR ALI BHUTTO,
UNIVERSITY OF LAW,
CLIFTON, KARACHI**

TENDER DOCUMENT

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DEFINITIONS

“Bid” means a tender, or an offer by a person, consultant, firm, company or an organization expressing willingness to undertake a specified task at a price, in response to an invitation by SZABUL.

“Bid with Lowest Evaluated Cost” means the bid quoting lowest cost amongst all those bids evaluated to be substantially responsive;

“Bidder” means a person or entity submitting a bid;

“Bidding Documents” means all documents provided to the interested bidders to facilitate them in preparation of their bids in uniform manner;

“Bidding Process” means the procurement procedure under which sealed bids are invited, received, opened, examined and evaluated for the purpose of awarding a contract;

“Blacklisting” means barring a bidder, contractor, consultant or supplier from participating in any future procurement proceedings.

“Calendar Days” means days including all holidays;

“Conflict of Interest” means -

- (i) where a contractor, supplier or consultant provides, or could provide, or could be perceived as providing biased professional advice to SZABUL to obtain an undue benefit for himself or those affiliated with him;
- (ii) receiving or giving any remuneration directly or indirectly in connection with the assignment except as provided in the contract;
- (iii) any engagement in consulting or other procurement activities of a contractor, consultant or service provider that conflicts with his role or relationship with the SZABUL under the contract;
- (iv) where an official of the SZABUL engaged in the procurement process has a financial or economic interest in the outcome of the process of procurement, in a direct or an indirect manner;

“Consultant” means a professional who can study, design, organize, evaluate and manage projects or assess, evaluate and provide specialist advice or give technical assistance for making or drafting policies, institutional reforms and includes private entities, consulting firms, legal advisors, engineering firms, construction managers, management firms, procurement agents, inspection agents, auditors, international and multinational organizations, investment and merchant banks, universities, research institutions, government agencies, nongovernmental organizations, and individuals;

“Consulting Services” means services of an advisory and intellectual nature provided by consultants using their professional skills to study, design, organize, and manage projects, encompassing multiple activities and disciplines, including the crafting of sector policies and institutional reforms, specialist advice, legal advice and integrated solutions, change management and financial advisory services, planning and engineering studies, and architectural design services, supervision, social and environmental assessments, technical assistance, and program implementation;

“Contract” means an agreement enforceable by law and includes General and Special Conditions, Specifications, Drawings and Bill of Quantities;

“Contractor” means a person, firm, company or organization that undertakes to execute works including services related thereto, other than consulting services, incidental to or required for the contract being undertaken for the works;

“Corrupt and Fraudulent Practices” means either one or any combination of the practices given below;

“Coercive Practice” means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

“Collusive Practice” means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the SZABUL to establish prices at artificial, noncompetitive levels for any wrongful gain;

“Corrupt Practice” means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

“Fraudulent Practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

“Obstructive Practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

“Emergency” means natural calamities, disasters, accidents, war and breakdown of operational equipment, plant, machinery or engineering infrastructures, which may give rise to abnormal situation requiring prompt and immediate action to limit or avoid damage to person(s), property or the environment;

“Goods” means articles and object of every kind and description including raw materials, drugs and medicines, products, equipments, machinery, spares and commodities in any form, including solid, liquid and gaseous form, and includes services identical to installation, transport, maintenance and similar obligations related to the supply of goods, if the value of

these services does not exceed the value of such goods;

“Government” means the Government of Sindh;

“Head of the Department” means the administrative head of the department or the organization;

“Lowest Evaluated Bid” means a bid for goods, works and services having the lowest evaluated cost among the substantially responsive bids

“Lowest Submitted Price” means the lowest price quoted in a bid, which is otherwise not substantially responsive;

“Mis-procurement” means public procurement in contravention of any provision of Sindh Public Procurement Act, 2010, any rule, regulation, order or instruction made there under or any other law in respect thereof, or relating to, public procurement;

“Notice Inviting Tender” means the notice issued by a SZABUL through publication in the newspapers or through electronic means for the purpose of inviting bids, or applications for pre-qualifications, or expression of interests, which may include Tender Notice, Invitation for Bids, Notice for Pre-qualifications or Request for Expression of Interests;

“Open Competitive Bidding” means a fair and transparent specified procedure defined under these Rules, advertised in the prescribed manner, leading to the award of a contract whereby all interested persons, firms, companies or organizations may bid for the contract and includes both National and International Competitive Biddings;

“SZABUL” means the Shaheed Zulfiqar Ali Bhutto, University of Law, Clifton, Karachi;

“Services” means any object of procurement other than goods or works, and includes consultancy services;

“Substantially Responsive Bid” means the bid that contains no material differences or deviations from, or reservations to, the terms, conditions and specifications given in the bidding documents;

“Supplier” means a person, firm, company or an organization that undertakes to supply goods and services related thereto, other than consulting services, required for the contract;

“Value for Money” means best returns for each rupee spent in terms of quality, timeliness, reliability, after sales service, up-grade ability, price, source, and the combination of whole-life cost and quality to meet SZABUL’s requirements.

1. INVITATION FOR BIDS (IFB)

Shaheed Zulfiqar Ali Bhutto, University of Law (SZABUL) invites proposal from reputed vendors for **the procurement of IT & Networking and Security & Surveillance Systems**. Bidder will be selected under procedure described in this Tender Document (TD), in accordance with the Sindh Public Procurement Rules 2010 issued there under (“SPPRA”) which can be found at www.pprasindh.gov.pk/. For the purposes of this document, any reference to the term “Act” shall mean a reference to the Sindh Public Procurement Act 2009 and any reference to the Rules shall mean a reference to the Sindh Public Procurement Rules 2010.

This TD includes the following Sections:

- Instructions to Bidders (ITB)
- Eligibility Criteria
- Scope of Work/Technical Proposal
- Financial Proposal
- Conditions of Contract

2. INSTRUCTIONS TO BIDDERS (ITB)

2.1 Correspondence Address

The contact numbers and the correspondence address for submitting the proposals are as follow:

Registrar,

Shaheed Zulfiqar Ali Bhutto University of Law,

Chaudhry Khaliq-uz-Zaman Road,

Near Lilly Bridge, Clifton, Karachi, Pakistan.

Tel: +92-99206452

Fax: +92-99206425

Email: info@szabul.edu.pk

Website: www.szabul.edu.pk

2.2 Eligible Bidders

All the bidders duly incorporated and based in Pakistan governed by rules, laws and statutes of Government of Pakistan and Government of Sindh shall be eligible.

2.3 Corrupt Practice

1. SZABUL requires that Bidders/Suppliers/Contractors observe the highest standard of ethics during the procurement and execution of contract and refrain from undertaking or participating in any corrupt or fraudulent practices.
2. SZABUL will reject a proposal for award if it determines that the Bidder recommended for award was engaged in any corrupt or has been blacklisted under the Sindh Public Procurement Rules 2010, in competing for the contract in question.
3. Any false information or misstatement on the part of the vendor will lead to disqualification/ blacklisting/ legal proceeding regardless of the price or quality of the product.

2.4 Preparation of Bids

2.4.1 Bidding Process

This is the Single Stage –Two Envelope Procedure; a bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the FINANCIAL PROPOSAL and the TECHNICAL PROPOSAL.

2.4.2 Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its bid and SZABUL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2.4.3 Language of Bid

The bid prepared by the bidders as well as all correspondence and documents exchanged by the bidder and SZABUL must be written in English.

2.4.4 Technical Proposal

Bidders are required to submit the Technical Proposal stating a brief description of the bidder's organization outlining their recent experience, the names of Sub-Bidder/Professional Staff who participates during the assignment, the technical approach, sample templates/prototypes of deliverables, methodology, work plan, organization and staff, including workable suggestions that could improve the quality and effectiveness of the assignment. The firm will be only technically qualified after confirmation of specifications on physical verification of asked items and satisfying of sufficient production mechanism. The date of visit for above inspection by the procurement committee of

SZABUL will be given during process of completing eligibility criteria. After due inspection of requisite items, the bidder will be declared “Qualified” in Technical Qualification Phase.

2.4.5 Financial Proposal

The Financial Proposal shall be prepared using the standard form attached, duly signed by the authorized representative of the Bidder. It should list all costs associated with the assignment including remuneration for staff, and reimbursable expenses and such other information as may be specifically requested by SZABUL. Alternatively, the bidder may provide his/her/its own list of costs with all items described in the Technical proposal priced separately.

2.4.6 Bid Currencies

For the purpose of comparison of bids quoted in different currencies, price shall be converted in PAK RUPEE (PKR).

2.4.7 Bid Security

The SZABUL shall require the bidders to furnish the Earnest Money @ 2% of Bid Value in shape of pay order/demand draft in favor of Shaheed Zulfiqar Ali Bhutto University of Law.

Bid Security should be attached with Financial Proposal. Bidders are also required to submit affidavit that the Bid Security has been attached with the Financial Proposal.

Any Bid not accompanied by an acceptable Bid Security shall be rejected by the SZABUL as non – responsive.

Bid security shall be released to the unsuccessful bidders once the contract will be signed with the successful bidder or the validity period has been expired.

The bid security shall be forfeited:

- If a Bidder withdraws its bid during the period of its validity specified by the Bidder on the Bid Form; or
- In the case of a successful Bidder, if the Bidder fails to;
 - Sign the contract in accordance with ITB Section [2.7.4]; or
 - Furnish performance security in accordance with ITB Section [2.7.5].

2.4.8 Bid Validity

Bids shall remain valid for a period of ninety (90) days, after the date of bid opening prescribed by SZABUL;

Whenever an extension of bid validity period is requested, a bidder shall have the right to refuse to grant such an extension and withdraw his bid and bid security shall be returned forthwith; and

Bidders who agree to extension of the bid validity period shall also extend validity of the bid security for the agreed extended period of the bid validity.

2.5 Submission of Bids

2.5.1 Sealing and Marking of Bids

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

2.5.2 Response Time

Bidders are required to submit their Bids within **Seven (07) calendar days** from the date of publication of Notice Inviting Tender as per National Competitive Bidding. Bids must be received by SZABUL at the address specified under ITB Section [2.1] within office hours.

2.5.3 Extension of Time Period for Submission of Bids

SZABUL may extend the deadline for submission of bids only, if one or all of the following conditions exist;

- Fewer than three bids have been submitted and SZABUL is unanimous in its view that wider competition can be ensured by extending the deadline. In such case, the bids submitted shall be returned to the Bidders un-opened;
- If the SZABUL is convinced that such extraordinary circumstances have arisen owing to law and order situation or a natural calamity that the deadline should be extended.

2.5.4 Clarification of Bidding Documents

An interested bidder, who has obtained bidding documents, may request for clarification of contents of the bidding document in writing, and SZABUL shall respond to such queries in writing within three calendar days, provided they are received at least five (5) calendar days prior to the date of opening of bid.

It should be noted that any clarification to any query by a bidder shall also be communicated to all parties, who have obtained bidding documents.

2.5.5 Late Bids

Any bid received by SZABUL after the deadline for submission of bids prescribed by SZABUL pursuant to ITB Section [2.5.2] will be rejected and returned unopened to the Bidder. The rejection of bids received after the deadline for submission shall apply regardless of any reason whatsoever for such delayed receipt.

2.5.6 Withdrawal of Bids

The Bidder may withdraw its Technical Proposal and Financial Proposal after it has been submitted by sending a written Withdrawal Notice, duly signed by the Bidder and/or by an authorized representative, and shall include a copy of the authorization provided that, written notice of Withdrawal, shall be received by SZABUL prior to the opening of bids.

No bid shall be withdrawn in the interval between the opening of Bids and the expiration of the period of Bid validity specified in ITB section [2.4.8].

2.5.7 Cancellation of Bidding Process

1. SZABUL may cancel the bidding process at any time prior to the acceptance of a bid or proposal;
2. SZABUL shall incur no liability towards the bidders,
3. Intimation of the cancellation of bidding process shall be given promptly to all bidders and bid security shall be returned along with such intimation;
4. SZABUL shall, upon request by any of the bidders, communicate to such bidder, grounds for the cancellation of bidding process, but is not required to justify such grounds.

2.5.8 Mechanism for Redressal of Grievances

SZABUL has a Committee for Complaint Redressal to address the complaints of bidder that may occur during the procurement proceedings.

Any bidder being aggrieved by any act or decision of the SZABUL during procurement proceedings may lodge a written complaint after the decision causing the grievance has been announced.

The complaint redressal committee upon receiving a complaint from an aggrieved bidder may, if satisfied;

1. prohibit the procurement committee from acting or deciding in a manner, inconsistent with these rules and regulations;
 2. annul in whole or in part, any unauthorized act or decision of the procurement committee; and
 3. reverse any decision of the procurement committee or substitute its own decision for such a decision;
- Provided that the complaint redressal committee shall not make any decision to award the contract.

SZABUL shall announce its decision as to the grievance within seven (7) days. The decision shall be intimated to the Bidder and the Authority within three (3) working days by SZABUL.

SZABUL shall award the contract only after the decision of the complaint redressal committee.

Mere fact of lodging of a complaint by a bidder shall no warrant suspension of the procurement proceedings.

2.6 Opening and Evaluation of Bids

2.6.1 Opening of Bids by SZABUL

The opening of bids shall be as per the procedure set down in Section 2.4.1 dealing with Bidding Process.

2.6.2 Clarification of Bids

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

2.6.3 Preliminary Examination

SZABUL will examine the bids to determine whether the bids are complete and the documents have been properly signed and whether the bids are generally in order. SZABUL may waive any minor informality; nonconformity or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder and further provided that such waiver will be at the complete and sole discretion of SZABUL.

If a bid is not substantially responsive, it will be rejected by SZABUL and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

2.6.4 Supplier Eligibility Criteria

All bids shall be evaluated in accordance with the eligibility criteria. SZABUL will evaluate the bids, which have been determined to be substantially responsive and reject any proposal which does not confirm to the specified requirements.

2.6.5 Eligibility Criteria

SZABUL shall evaluate proposals using the following eligibility criteria.

S#	Description	Total Marks	Marks Obtained	Remarks	Attachment of relevant evidence in each case is mandatory. In case of non-compliance no mark will be awarded	Evidence attached as
1.	Firm's Status	20		Public/Private Ltd.	NTN Certificate/Letter of Incorporation / Company Registration Letter / Certificate of Registration from Registrar of Firm is required to be enclosed	Annexure "A"
		15		Partnership Firm		
		10		Proprietorship		
2.	Years in business in the requisite field	25		15 years and above	NTN Certificate / Letter of Incorporation / Company Registration Letter / Letter or Declaration of Commencement of Business is required to be enclosed	Annexure "B"
		15		10 years and above		
		10		5 years and above		
3.	Institutions on Cliental List	25		25 and above	Letters to be attached duly issued from each concerned Institution	Annexure "C"
		20		15 and above		
		15		10 and above		
4.	Average turnover in last 3 years	20		On an average of 50 M and above per year	Audit Report or Tax Return of Last 3 years	Annexure "D"
		10		On an average of 20 M and above per year		
6	Own Testing and Inspection Facility	10		Yes	Attach Brief Detail	Annexure "F"
Total Marks		100			Qualified / Disqualified	

NOTE:

1. The company will be considered disqualified from the very outset, if not registered for GST (Certificate to be attached).

2. Attachment of relevant evidence in each above requisite is mandatory. In case of non-provision of evidence in any of the requisite, no marks will be awarded.

3. Acquiring of 70% marks of the total score will make the Bidder qualify for participating into inspection phase. Qualifier of inspection phase (on site visit of the factory/office) will only be allowed to participate in the financial bid opening phase. During the on-site inspection, the SZABUL's nominated team will evaluate the bidding firm utilizing the Performa attached as Annexure H.

DISQUALIFICATION:

- The bidder will be considered disqualified during evaluation process if;
 - On the black list of SPPRA and SZABUL.

2.6.6 Discussion Prior to Evaluation:

If required, prior to evaluation of the Technical Proposal and Financial Proposal, SZABUL may, within 03 days of receipt of the Technical and Financial Proposals, call upon any of the Bidders to discuss or to ask for clarification about anything contained in the Technical Proposal submitted by that Bidder.

2.7 Award of Contract

2.7.1 Award Criteria

Subject to ITB Section [2.7.2], SZABUL will award the contract to the successful Bidder, whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

2.7.2 SZABUL's Right to Accept Any Bid and to reject any or all Bids

SZABUL annul the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the Bidder(s).

2.7.3 Notification of Award

Prior to the expiration of the period of bid validity, SZABUL will notify the successful Bidder in writing by letter or by facsimile, to be confirmed in writing by letter, that his/her bid has been accepted.

The notification of award will constitute the formation of the Contract.

Upon the successful Bidder's furnishing of the Performance Security pursuant to Section [2.7.5], SZABUL will promptly notify each unsuccessful Bidder and will discharge his/her bid security, pursuant to ITB Section [2.4.7].

2.7.4 Signing of Contract

Within **03 Days** from the date of notification of the award the successful bidder shall furnish to SZABUL particulars of the person who would sign the contract on behalf of the successful bidder along with an original power of attorney executed in favor of such person.

The Contract shall be signed by the parties at City Campus SZABUL, Karachi, within 03 Days of award of contract.

2.7.5 Performance Security

Within 03 DAYS of receipt of the notification of award from SZABUL, the successful Bidder shall furnish to SZABUL the Performance Security of 5 % of contract price which shall be valid for at least ninety (90) days beyond the date of completion of contract to cover defects liability period. The Performance Security shall be in the form of a pay order or demand draft or Bank guarantee issued by a reputable commercial Bank, acceptable to SZABUL, located in Pakistan.

Failure of the successful Bidder to comply with the requirement of ITB Section [2.7.4] shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event SZABUL may make the award to the next lowest evaluated Bidder or call for new bids.

The Performance Security forms at Annexure "C" shall not be completed by the bidders at the time of their bid submission. Only the successful Bidder will be required to provide Performance Security.

The Performance Security will be discharged by SZABUL and returned to the Supplier not later than thirty (30) days following the date of successful completion of the Supplier's performance obligation under the Contract.

2.7.6 General Conditions of Contract

For detailed General Condition of Contract refer to Section [5.1] of this TD.

2.7.7 Special Conditions of Contract

For detailed Special Condition of Contract refer to Section [5.2] of this TD.

2.7.8 Integrity Pact

The successful bidder shall upon the award of the contract execute an Integrity Pact with SZABUL.

2.7.9 Non Disclosure Agreement

The successful bidder shall upon the award of the contract execute a Non Disclosure Agreement with SZABUL.

3. 1. SCOPE OF WORK/TECHNICAL SPECIFICATIONS FOR THE SUPPLY OF IT & NETWORKING EQUIPMENTS/ITEMS

Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi. (SZABUL) requires Supply of IT & Networking Equipments as per following specifications;

S.No.	Item	Specification
1.	Desktop Computers (HP or Equivalent) Branded	Specifications: Tower Casing PC Core i7-6500 -6th Gen – 3.0 GHz turbo up to 4.0 GHz, 8M Cache, 4GB RAM DDR4, 1TB SATA HDD, DVD/RW, KB/MOUSE, OS:DOS 3 Years Warranty. LED Backlit 18.5" LED 3 Years Warranty
2.	Laptop Computers (HP or Equivalent) Branded	Specifications: Core i7 6500U - 6th Gen - 2.50 GHz up to 3.10GHz, 8GB RAM, 1TB SATA HDD, DVD/RW, Wifi, LAN, BT, HD Webcam, Card Reader, 2GB Graphics Card, Backlit Keyboard, 15.6" HD LED Display, OS: DOS 1 Year Warranty
3.	Printers (HP or Equivalent) Branded	Specifications: Print speed black: Normal: Up to 40 ppm Print quality black (best): Fast Res 1200 Print technology: Laser Processor speed: 1200 MHz Technology: DN 01 Year Warranty
4.	Scanners (HP or Equivalent) Branded	Specifications: Scanner type: Flatbed, ADF Scan resolution, optical: Up to 2400 dpi Duty cycle (daily): Recommended daily duty cycle: 500 pages Bit depth: 48-bit Levels of grayscale: 256 Transparency adapter: Satellite (TMA),three 35 mm slides or four 35 mm negative frames Task speed: 10 x 15 cm colour photo into Microsoft Word: less than 24 sec, OCR a full page of text into Microsoft Word: less than 36 sec, e-mail photo: less than 18 sec Scan size (flatbed), maximum: 215.9 x 330.2 mm With Network/LAN WARRANTY: 01 Year
5.	UPS (APC or Equivalent) Branded	Specifications: Power Button / LED Indicator and Audible Alarms Automatic Voltage Regulation (AVR) 3 battery backup and surge protected IEC Sockets Push Button Circuit Breaker Automatic Diagnostic Testing Easy to use one step battery connector Output Capacity: 650VA/ 390W Output Voltage/ Frequency (On utility): 230V/ 45-65Hz Output Voltage / Frequency (On battery): 230V ±8%, 50 or 60Hz Output Connections: 2x Universal outlets and 1x IEC Waveform Type: Stepped Approximation to Sine Wave Input Voltage/ Frequency: 230V/ 45-65Hz AC Power Surge Protection: All sockets Dimensions: 200(H) x 115(W) x 257(D)mm Weight: 6.20kg Colour: Black Supplied with 650VA Voltage option WARRANTY: 01 Year
6.	Digital Multimedia Projectors (3M, Optima, Emerson or Equivalent) with Installation, Testing & Commissioning	Specifications: Technology: DLP Lumens: 5000 Lamp Life: 5000 Hrs True XGA Resolution LAN (RJ-45) Terminal, USB Type A For USB Viewer, USB Type B For Mouse Control, HDMI, 3D-Ready, No. of colors: 16.7 Millions With high contrast ratio 2000:1, Auto restart on power Failure Digital Keystone correction, Built in speaker 2 computers inputs, 1 monitor out, S-video input, 2 video and 1 audio input, 1 audio out Screen Size (Range) 30-350 inches diagonal 3 Years Standard or 5000 hours, whichever first

		Mount kit (2 feet) Projector Stand VGA Cable 50 feet with channel patti Projector Screen (Motorized 8x6 feet)
7.	ID Card Printer (Zebra or Equivalent) Branded	<p>Printer Specification:</p> <ul style="list-style-type: none"> • Vivid color and monochrome cards • Double side card printing • Dye sublimation retransfer • Full color or monochrome retransfer printing • Single- and dual-sided printing • Max print speed single-side 190 cph* • Max print speed dual-sided 180 cph* • Photo quality image • Over-the-edge printing on standard CR80 media • USB and Ethernet connectivity • Single-card feed capability • 150 card capacity feeder (30 mil) • 15 card reject hopper (30 mil) • 100 card output hopper (30 mil) • i Series™ intelligent media technology • Auto-calibration of media • 21-character, 6 line LCD operator display • 304 dpi (12.0 dots/mm) print resolution • 64 MB memory standard • Lifetime warranty on printhead • 2-year limited warranty on printer • Microsoft® Windows® certified drivers • Kensington physical lock capable <p><i>* Print speed based on click to drop, average print coverage, with USB connectivity, card per hour (cph)</i></p> <p>Other Accessories</p> <ul style="list-style-type: none"> • Laminator—single-sided and dual-sided • Lockable enclosure/card feeder • 180 cards per hour dual-sided printing and dual-sided lamination • GSA FIPS 201 approved (dual-sided lamination) <p>Card Specification</p> <ul style="list-style-type: none"> • Card thickness: 30 – 40 mil • Card size: ISO 7810 format, Type ID-1, CR-80 size • Card material: PVC and Composite, ABS and Teslin Cards <p>Printer warranty: 02 Years</p>
8.	Wi-Fi Device (TP-Link/E-Genius or Equivalent)	Best Quality with excellent features.
9.	Access Points (TP-Link/E-Genius or Equivalent)	
10.	Photocopier (Ricoh-Minolta or Equivalent) Branded	<p>General Warm-up Time: 14 seconds First output Speed: 2.9 seconds Continuous Output Speed: 60 pages per minute Memory: 2 GB HDD: 320 GB Power source: 220 - 240 V, 50/60 Hz</p> <p>COPIER Copying Process: Twin laser beam scanning and electro-photographic printing Multiple Copying: Up to 999 copies Resolution: 600 dpi Zoom: From 25% to 400% in 1% steps</p> <p>PRINTER Printer Language: Standard: PCL5e, PCL6(XL), PDF direct print Option: XPS, Adobe® PostScript® 3™, IPDS Print Resolution: Maximum (1,200 x 1,200 dpi) Interface: Standard: USB2.0 Type A, USB2.0 Type B, SD slot, Ethernet 10 base-T/100 base-TX, Ethernet 1000 Base-T Option:</p>

		<p>Bi-directional IEEE 1284, Wireless LAN (IEEE 802.11a/b/g/n), Bluetooth, Additional NIC (2nd port) Network Protocol: TCP/IP (IP v4, IP v6), IPX/SPX</p> <p>Windows® Environments: Windows® XP, Windows® Vista, Windows® 8, Windows® 8.1, Windows® Server 2003, Windows® Server 2012, Windows® Server 2012R2 Mac OS environments: Macintosh OS X Native v10.6 or later</p> <p>UNIX Environments: UNIX Sun® Solaris, HP-UX, SCO OpenServer, RedHat® Linux, IBM® AIX Novell® Netware® environments (Option): v6.5 SAP® R/3® environments: SAP® R/3® Other Supported Environments:</p> <p>NDPS Gateway, AS/400® using OS/400 Host Print Transform, IBM iSeries</p> <p>SCANNER Scanning Speed: ARDF: Max. 80 originals per minute SPDF: Max. 110(simplex)/180(duplex) originals per minute Resolution: Standard: 100 - 600 dpi Original Size: A3, A4, A5, B4, B5, B6 Bundled Drivers: Network TWAIN Scan to: E-mail, Folder, USB, SD card</p> <p>FAX Circuit: PSTN, PBX Compatibility: ITU-T (CCITT) G3 Resolution: 8 x 3.85 line/mm, 200 x 100 dpi 8 x 7.7 line/mm, 200 x 200 dpi Option: 8 x 15.4 line/mm, 400 x 400 dpi 16 x 15.4 line/mm, 400 x 400 dpi Transmission speed: G3: 2 second(s) Modem speed: Maximum: 33.6 Kbps Memory capacity: Standard: 4 MB Maximum: 60 MB</p> <p>PAPER HANDLING Recommended paper size: A3, A4, A5, A6, B4, B5, B6 Paper input capacity: Standard: 1,200 sheets Maximum: 4,700 sheets</p> <p>Paper output capacity: Standard: 500 sheets Maximum: 3,625 sheets</p> <p>Paper weight: Standard paper tray(s): 60 - 300 g/m² Bypass tray: 52 - 300 g/m² Duplex: 52 - 256 g/m²</p> <p>SOFTWARE Standard: Web Image Monitor</p> <p>WARRANTY: 02 Years</p>
11.	<p>11.1. PABX – Analog (Alcatel/Panasonic or Equivalent)</p> <p>11.2. Operator Console (Alcatel/Panasonic or Equivalent)</p> <p>11.3. Telephone Sets (Panasonic or Equivalent)</p> <p>11.4. Cable</p> <p>11.5.</p>	<p>Specification: Port Trunk Lines: 12 Port Internal Extension: 60 (Extendable upto 30) with installation, testing, system programming and commissioning, ISDN (PRI Supported) with CLI Card for 03 Lines, OGM Crad (IVR), Battery Backup with Two Batteries, Tele Manager Software, MDF 60 Pairs with Box, Vooda Phone GSM Terminal Device (Italian). WARRANTY: 02 Years</p> <p>Cat 5, 3M or Equivalent</p>

	Networking Accessories	IOS along with Face Plates (3M or Equivalent)	
12.	Biometric Attendance System (ZK Technologies USA) or Equivalent	Capacity: Face: 1,200 (1:N). Fingerprint: 2000 Events ID Card: 10,000. Transaction: 100,000. Verification Speed: ≤1 sec (typical) Camera: High Resolution Infrared Camera. Finger Print Sensor: ZK Optic. Communication: Data: Ethernet, RS 232/485, WiFi. Interface: USB Host, Weigand Ports Output, Built-in interfaces . for use within access control applications. Battery: 2000 mA battery. Wireless Connectivity: Wi-Fi for wireless network connection. Warranty: 02 Years.	

3. 2. SCOPE OF WORK/TECHNICAL SPECIFICATIONS FOR THE SUPPLY OF SECURITY & SURVEILLANCE SYSTEMS

Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi. (SZABUL) requires supply of Security Items as per following specifications;

1.	<p>Security & Surveillance Systems along with Installation, Testing & Commissioning as per following specifications;</p> <p><u>Detailed Specification of CCTV system IP based</u></p> <p><u>Project Objectives:</u></p> <ol style="list-style-type: none"> 1. Equipment and materials used shall be standard components that are manufactured and available for purchase as standard replacement parts as long as the product is commercially available from the manufacturer. Camera country of origin must be US. 2. Good/ Services offered shall be brand new and hundred percent (100%) according to the specification/description/requirements. 3. CCTV equipment have 36 months warranty, parts and labor. Warranty certificate from the manufacturer is required. 4. Authority letter from Principal in favour of the bidder must be attached. 5. Products Origin (Country) letter from principle must be attached with bid. 6. Supply, Installation & testing commissioning of complete system on turnkey bases. <p>1.01 SUBMITTALS</p> <p>A. Product Data</p> <ol style="list-style-type: none"> 1. Manufacturer's printed or electronic data sheets 2. Manufacturer's installation and operation manuals 3. Warranty documentation <p>1.02 QUALIFICATIONS</p> <p>A. Manufacturer shall have a minimum of 2-3 years' experience in producing IP video equipment.</p> <p>B. Installers shall be trained and authorized by the Manufacturer to install, integrate, test, and commission the system.</p> <p>1.03 DELIVERY, STORAGE AND HANDLING</p> <p>A. Deliver the camera in the manufacturer's original, unopened, undamaged container with identification labels intact.</p> <p>B. Store the camera in a temperature environment protected from mechanical and environmental conditions as designated by the manufacturer.</p> <p>1.04 WARRANTY AND SUPPORT</p> <p>A. Manufacturer shall provide a limited 3-year warranty for the product to be free of defects in material and workmanship.</p> <p>3.01 INSTALLERS</p>
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- A. Contractor personnel shall comply with all applicable state and local licensing requirements.

3.02 PREPARATION

- A. The network design and configuration shall be verified for compatibility and performance with the camera(s).
- B. Network configuration shall be tested and qualified by the Contractor prior to camera installation.

3.03 INSTALLATION

- A. Before permanent installation of the system, the Contractor shall test the system in conditions simulating the final installed environment
 - 1. A report indicating successful test results shall be produced.
- B. Contractor shall follow all Manufacturer-published guidance on proper installation and configuration of the camera.

OUTDOOR BULLET CAMERAS

PART 1 GENERAL

1.05 SUMMARY

- A. Section includes a network Bullet camera with housing.
- B. Reference Standards
 - 1. Network
 - a. IEEE
 - 1) 802.3 Ethernet Standards
 - 2) 802.1x – Port-based authentication
 - 2. Video
 - a. ISO / IEC 14496 –10, MPEG-4 Part 10 (ITU H.264)
 - b. ISO / IEC 10918 – JPEG
 - c. ONVIF – Profile S and Profile G
 - 3. Emissions
 - a. FCC (Class A) - 47 CFR Part 15
 - b. CE - EN 55022 (Class A), EN 50130-4, EN 60950-1
 - c. ICES-003, Class A
 - 4. Environmental Models
 - a. ANSI / IEC 60529 – Degrees of Protection Provided by Enclosures – IP66
 - b. IK10 (20J) Impact Resistance / IEC62262
 - c. National Electrical Manufacturers Association, NEMA 250-2003, 4X Enclosure Definition

GENERAL DESCRIPTION

- A. The network camera system shall offer two simultaneous video streams with up to 3MPx
2048 x 1536 (3.0 MPx) resolution, auto iris, and varifocal lens capabilities.
- B. The network camera system shall possess the following primary characteristics:
 - 1. H.264 High, Main, or Baseline profiles; and MJPEG compression
 - 2. up to 3 megapixels
 - 3. dual streaming (two independent IP video streams)
 - 4. day/night operation with IR cut filter

	5. Wide Dynamic Range (WDR): 75 dB minimum 6. PoE (IEEE 802.3af, Class 3); 24 VAC nominal, 12 VDC 7. multicast or unicast capable with unlimited H.264 viewers 8. unicast capable with up to 20 simultaneous viewers 9. local storage via SD card 10. audio input and output 11. alarm input and output 12. IP66 rated housing		
	2.02 VIDEO/CAMERA		
	A. Imaging Device:		
	<u>MPx</u> 3 MPx	<u>Sensor</u> 1/2.8-inch	<u>Maximum Resolution</u> 2048 x 1536 (3.0 MPx)
	B. Electronic Shutter Range:		
	<u>MPx</u> 3 MPx	<u>Range</u> 1/5 ~ 1/45,000 sec	
	C. Minimum illumination:		
	1. Color mode:		
	<u>MPx</u> 3 MPx	<u>Sensitivity</u> 0.25 lux (33 ms, F1.2), 0.02 lux (200 ms, F1.2)	
	2. Black & white mode:		
	<u>MPx</u> 3 MPx	<u>Sensitivity</u> 0.00 lux (33 ms, F1.2), 0.00 lux (200 ms, F1.2)	
	D. Scanning: Progressive E. Image Control Settings 1. White balance range: 2,000° to 10,000°K 2. Adaptive IR Illumination 3. Day and night settings 4. Privacy zone definition: up to 4 zones of window blanking 5. 3D noise reduction F. Lens: 1. Built-in, varifocal 2. Focal Length: F1.4, 3 ~ 10.5 mm, 9 ~ 22 mm, or 12 ~ 40 mm 3. Zoom: Remote 4. Auto Iris: DC drive lens 5. Auto Focus: Automatically focuses during runtime operation 6. Field of view lens 3 to 10.5 mm:		
		<u>3 MPx</u>	
	Diagonal	115° ~ 34°	
	Horizontal	98° ~ 30°	
	Vertical	52° ~ 16°	
	G. Video:		
	1. The network camera system shall support up to 2 simultaneous streams; the secondary stream is variable based on the setup of the primary stream. 2. Compression type: H.264 High, Main, or Baseline profiles; and MJPEG 3. Corridor Mode: Electronic image flip and mirror: 180°, 90° 270° (H.264 only)		

	<div><div><div>4. Service Stream: 640 x 480 or 640 x 352; 2 ips, JPEG</div><div>5. Constant bit rate (CBR), constrained variable bit rate (CVBR) with configurable maximum value.</div><div>6. Frame rate:</div></div><table><tr><td><u>MPx</u></td><td><u>Images per Second (ips)</u></td></tr><tr><td>3</td><td>30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3,2, 1 .</td></tr></table></div>	<u>MPx</u>	<u>Images per Second (ips)</u>	3	30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3,2, 1 .
<u>MPx</u>	<u>Images per Second (ips)</u>				
3	30, 25, 20, 16.67, 15, 12.5, 10, 7.5, 5, 3,2, 1 .				
	<div><div><div>7. Low-resolution JPEG stream for configuration of camera settings.</div><div>H. Storage and Recording<div><div>1. The network camera system control shall have onboard SD card storage.<div><div>a. Card type: Micro SD</div><div>b. Capacity: up to 64 GB</div></div></div><div>2. The local SD storage shall have the ability to be backed up to alternate media without removal of the SD card from the camera.</div><div>3. Local recording on the SD card shall commence upon loss of network connectivity, based on a pre-programmed schedule.</div><div>4. The network camera system shall record video continuously in the case of network outage.</div><div>5. Alarm recording: The network camera system shall capture selectable 1, 5, or 10-second video clips on camera sabotage, motion detection, or alarm input.</div><div>6. Video recording and storage shall support ONVIF profile G.</div></div></div><div>I. Simple motion and sabotage analytics.</div></div></div>				
	<div><div>2.03 ADDITIONAL FEATURES<div><div>A. Alarm – The network camera system shall have one alarm/sensor inputs and a relay output for alarm or control.<div><div>1. The alarm input shall be able to detect an open or closed alarm state function in unsupervised or supervised modes.</div><div>2. Relay Output: ±30 VDC maximum, 1 A maximum</div></div></div><div>B. Audio – The network camera system shall have bi-directional audio capability.<div><div>1. Input/Output</div><div>2. Encoding: G.711 - Alaw / Ulaw</div></div></div><div>C. Discovery - Manufacturer shall offer a discovery program to identify all devices of his manufacture on the network.</div><div>D. System Information<div><div>1. The system settings of the network camera system shall be exportable as a separate file.</div><div>2. The network camera system shall maintain an accessible log of system and motion-triggered events.<div><div>a. The log shall be exportable to an Excel spreadsheet file.</div></div></div></div></div></div></div></div>				
	<div><div>2.04 NETWORK<div><div>A. Connectivity: 100 BASE-TX Ethernet with RJ-45 connector</div><div>B. Protocols supported<div><div>1. Transmission Control Protocol (TCP), Internet Protocol (IP) v4 and v6, User Datagram Protocol (UDP)</div><div>2. Configuration: Dynamic Host Configuration Protocol (DHCP)</div><div>3. Web services: Hypertext Transfer Protocol (HTTP), Secure HTTP (HTTPS)</div><div>4. Network services: Domain Name System (DNS), Network Time Protocol</div></div></div></div></div></div>				

	<p>(NTP), Internet Control Message Protocol (ICMP), Simple Network Management Protocol (SNMP) v2c/v3, Universal Plug and Play (UPnP)</p> <ol style="list-style-type: none"> 5. Media: Real-Time Transport Protocol (RTP), Real-Time Streaming Protocol (RTSP) 6. Multicast: Internet Group Management Protocol (IGMP) 7. Notifications: File Transfer Protocol (FTP), Simple Mail Transfer Protocol (SMTP) 8. Remote Access: Secure Shell (SSH) 9. Security: Secure Sockets Layer (SSL), IEEE 802.1x (EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP and EAP-FAST) 10. Quality of Service: IEEE 802.1p Layer 3 Differentiated Services Code Point (DSCP) 11. DDNS – The network camera system shall support DDNS services offered by the Manufacturer and other publicly available service offerings. <p>C. Security</p> <ol style="list-style-type: none"> 1. The network camera system shall support IP address filtering whereby users can enter a list of allowed or blocked IP addresses for viewing video and configuring camera settings 2. The network camera system shall provide three levels of user access with password protection. 3. User authentication shall be available through a Lightweight Directory Access Protocol (LDAP) server. <p>2.05 CAMERA SOFTWARE</p> <ol style="list-style-type: none"> A. The network camera system shall have a built in web server which supports browser-based configuration. B. The camera's web server shall allow access to camera information and all primary software functions. C. The Manufacturer shall offer video viewer and configuration to implement the following actions: <ol style="list-style-type: none"> 1. Camera discovery 2. Live Video <ol style="list-style-type: none"> a. Video stream selection b. Video stream configuration <ol style="list-style-type: none"> 1) Use preset video setting configurations 2) Configure custom video setting configurations <ol style="list-style-type: none"> a) compression type b) resolution c) image rate d) I-frame interval e) H.264 profile f) Quality of Service (QoS) g) Bit rate control 3) Multicast 4) Unicast 5) JPEG frame rate c. Maximize view area of video to full size of browser <ol style="list-style-type: none"> 1) Revert to normal view d. Open stream in new window e. Capture and save image as .jpg file
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- f. Resize viewing area
- 3. Image Settings
 - a. image quality
 - b. exposure
 - c. focus
 - d. white balance
 - e. window blanking
 - f. digital zoom
 - g. lighting mode
 - h. video noise reduction
 - i. digital processing (color and detail adjustment)
 - 1) image enhancement
 - 2) quick setup preset modes
 - 3) sharpness
 - 4) saturation
 - 5) contrast
 - 6) brightness
 - j. exposure modes
- 4. Recording
 - a. Initiate instant record and playback
 - b. Manage SD card storage
- 5. Events
 - a. configure event sources:
 - 1) external alarm events
 - 2) analytic events
 - b. e-mail setup
 - c. define web addresses for notifications
- 6. Camera network settings
- 7. System
 - a. firmware upgrade
 - b. reset to factory default
 - c. set date, time, and NTP server synchronization
 - d. user access control
 - e. view and export camera settings
 - f. view system logs
- D. Acceptable Web Browsers:
 - a. Microsoft® Internet Explorer® 9.0
 - b. Apple® Safari® 7.0.6
 - c. Mozilla® Firefox® 31.0
 - d. Google® Chrome™ 37.0.2032.124 m and later
- E. The Manufacturer shall offer a mobile application with the capability to access live video from up to 500 cameras.

2.06 ELECTRICAL

- A. Power
 - 1. Source Options
 - a. 24 VAC nominal, 18 to 32 VAC range, 12 VDC

- b. PoE (Class 2)
- 2. Power Consumption: <11.50 W
- B. Connectors:
 - 1. Ethernet: RJ-45 connector
 - 2. External power: 2-conductor power to terminal block

2.07 MECHANICAL AND ENVIRONMENTAL

- A. Construction Material: Die cast aluminum, cylindrical
- B. Finish: RAL 7047
- C. Impact Resistance: IK10 (20J)
- D. Temperature:
 - 1. Operating: -40°C to 55°C (-40°F to 131°F)
 - 2. Storage: -40°C to 60°C (-40°F to 140°F)

2.08 CERTIFICATIONS

- A. CE – EN 55022 (Class A), EN 50130-4, EN 60950-1
- B. FCC (Class A) – 47 CFR Part 15
- C. UL and cUL Listed – UL 60950-1, CAN/CSA-C22.2 No. 60950-1-07
- D. ICES-003 (Class A)
- E. RCM
- F. KC
- G. ONVIF Profile S and Profile G conformant

Network Video Recorder **VMS NETWORK VIDEO RECORDER**

TECHNICAL SPECIFICATIONS

2. GENERAL

- i. Equipment and materials used shall be standard components that are manufactured and available for purchase as standard replacement parts as long as the product is commercially available from the manufacturer.
- ii. All manufactured products shall be thoroughly tested and proven in actual use.
- iii. All manufactured products shall include, at no additional cost, online support services and availability of a toll-free (U.S. and Canada), 24-hour technical assistance program (TAP) for emergencies.
- iv. The manufacturer shall repair or replace without charge, manufactured products proven defective in material or workmanship for the stated warranty period from the date of shipment.

3. PRODUCTS

a. IP VIDEO MANAGEMENT SYSTEM

- i. The IP video management system shall consist of NVs version 7 software operating on an optimized hardware platform. The NVs software shall consist of base software with individual, non-expiring licenses in the required quantity.

- ii.** The IP video management system software updates shall be downloadable from a publicly available website.
- iii.** The IP video management system shall support up to 128 combined IP and analog video streams, with up to 64 direct-attached analog cameras.
- iv.** The IP video management system shall provide 350 Mbps for RAID5, 300 Mbps for JBOD systems throughput for recording of analog and IP video streams, playback and export.
- v.** The IP video management system shall have a SSD system drive to increase responsiveness.
- vi.** The IP video management system shall support recording of JPEG, MPEG-4 and H.264 IP streams.
- vii.** The IP video management system shall support third-party H.264 Megapixel video streams up to 10 Megapixel resolution with quantities based on a total system of 300 Mbps throughput for recording of analog and IP video streams, playback and export.
- viii.** The IP video management system shall have a fully open architecture with support for both IP-specific camera as well as cameras with ONVIF compliance.
- ix.** The IP video management system shall support automatic detection of IP cameras. Third-party IP cameras shall be automatically detected dependent on IP driver versions and manufacturers specifications.
- x.** The IP video management system shall support an unlimited number of systems connected over a network. Each system shall contain two 1GB network ports; one for IP camera/encoder data, and one to connect to a network for client computer access.
- xi.** The IP video management system shall be viewed, managed, and played back through a single user interface simultaneously with other video management systems through supplied ControlPoint Client software.
- xii.** The IP video management system shall operate on a 4th Generation Intel® Xeon processor and 8 GB of RAM.
- xiii.** The IP video management system shall contain two DVI-D ports.
- xiv.** The IP video management system shall utilize a Windows® 7 Ultimate 64-bit operating system.
- xv.** The IP video management system shall support and have an option for an internal DVD+/-RW.
- xvi.** The IP video management system shall allow expansion of IP video channel capacity through a licensing without any hardware modification.

	<p>xvii. The IP video management system shall be capable of continuous scheduled alarm/event and motion recording. Pre- and post- alarm recording shall also be available and shall be fully programmable on a per channel basis.</p> <p>xviii. The IP video management system shall allow archival of video data to computers or SAN storage devices over a network connection with the optional Archive Utility. The archival schedule shall be either automatic at user-defined intervals or manual and shall be configurable per connected camera.</p> <p>xix. The IP video management system shall support network health and monitoring utilizing third-party SNMP monitoring tools.</p> <p>xx. The IP video management system shall indicate system performance and operation status utilizing a variety of HTML reports.</p> <p>xxi. The IP video management system shall optionally support on-board video analytics in quantities of two or four channels with Active Alert software and the DataPoint interface. The DataPoint interface shall provide video analytics monitoring including tracking and counting objects and people.</p> <p>xxii. The IP video management system shall support Lightweight Directory Access Protocol (LDAP).</p> <p>xxiii. System Specifications</p> <table> <tr> <td>1. Processor</td><td>Intel® Xeon E3-1275 v3</td></tr> <tr> <td>2. Operating System</td><td>Windows 7 Ultimate 64-bit</td></tr> <tr> <td>3. Internal Memory</td><td>8 GB DDR3 non-ECC RAM; 16GB DDR ECC RAM for DSSRV2-RD models</td></tr> <tr> <td>4. Network Interface</td><td>Gigabit Ethernet (1000Base-T) ports (2x)</td></tr> <tr> <td>5. User Interface</td><td>Control Point</td></tr> <tr> <td>6. Internal Storage</td><td>30 Days Recording @D1 with 15-20 fps.</td></tr> <tr> <td>7. Raid Level</td><td>Internal RAID 5 controller card for hot swappable drives.</td></tr> <tr> <td>8. External Storage</td><td>SCSI targets/NAS Supported</td></tr> <tr> <td>9. System Drive</td><td>SSD</td></tr> <tr> <td>a. HDD-DVD bays</td><td>4, 3.5-inch hard drive</td></tr> <tr> <td>b. Optical Drive</td><td>DVD±RW</td></tr> <tr> <td>c. USB Ports</td><td>3 USB 2.0 (1 front, 2 rear), 2 USB 3.0 (rear)</td></tr> <tr> <td>10. Power Input</td><td>100 to 240 VAC, 50/60 Hz, autoranging</td></tr> <tr> <td>11. Power Supply</td><td>Internal</td></tr> <tr> <td>12. Front Panel Indicators/Functions</td><td></td></tr> <tr> <td>a. Buttons</td><td>Power</td></tr> <tr> <td>b. Indicators</td><td></td></tr> <tr> <td>i. Unit Status</td><td>Green,</td></tr> </table>	1. Processor	Intel® Xeon E3-1275 v3	2. Operating System	Windows 7 Ultimate 64-bit	3. Internal Memory	8 GB DDR3 non-ECC RAM; 16GB DDR ECC RAM for DSSRV2-RD models	4. Network Interface	Gigabit Ethernet (1000Base-T) ports (2x)	5. User Interface	Control Point	6. Internal Storage	30 Days Recording @D1 with 15-20 fps.	7. Raid Level	Internal RAID 5 controller card for hot swappable drives.	8. External Storage	SCSI targets/NAS Supported	9. System Drive	SSD	a. HDD-DVD bays	4, 3.5-inch hard drive	b. Optical Drive	DVD±RW	c. USB Ports	3 USB 2.0 (1 front, 2 rear), 2 USB 3.0 (rear)	10. Power Input	100 to 240 VAC, 50/60 Hz, autoranging	11. Power Supply	Internal	12. Front Panel Indicators/Functions		a. Buttons	Power	b. Indicators		i. Unit Status	Green,
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	amber, red	
	ii. Primary Network	Green,
	amber, red	
	iii. Secondary Network	Green,
	amber, red	
	iv. Software Status	Green,
	amber, red (based on diagnostics)	
	v. Hard Disk Status	Green, red,
	off (behind bezel)	
xxiv. Video Specifications		
1. Video System	Intel HD Graphics	
P4700 (shared memory)		
a. Maximum Resolution	3840 x 2160 per	
DisplayPort output (2x)		
	1920 x 1200 @ 60 hz on DVI-D output	
	1920 x 1200 @ 60 hz	
	on VGA output	
2. Video Outputs	Supports up to 3	
simultaneous displays		
	using any combination of the four outputs	
3. Video Standards	60 Hz capable for	
NTSC; 75 Hz capable		
forPAL		
4. Video Decoding Supported	MPEG-4 ASP; H.264	
Baseline, Main,	and	
High profiles		
5. Decoding Performance	16X real-time MPEG-	
4 streams at 704 x		
	480; 12X real-time H.264 Baseline	
	profile streams at 704 x 480;	
4X H.264		
	Baselineprofile streams at 720p; 2X	
	real-time H.264 Baseline	
	profile streams	at
	1080p	
xxv. Audio Specifications		
1. Audio Decoding	G.711 speech codec	
2. Audio bit-rate	64 kbps	
3. Audio Levels		
a. Input	Electret microphone	
b. Output	Up to 3 Vp-p,	
	adjustable, minimum load	
	of 8 ohms	
4. Audio Connectors	2, 3.5 mm stereo	
jacks		
a. Connector Tip	Signal left (input and	
output)		
b. Connector Ring	Signal right (input	
and output)		
c. Connector Sleeve	Common	
5. Audio Inputs	Microphone	
6. Audio Outputs	Speaker or in line	
xxvi. Environmental Specifications		
1. Operating Temperature	10° to 35°C (50° to	

	95°F)	
	2. Operating Humidity noncondensing	20% to 80%,
	3. Maximum Humidity Gradient	10% per hour
	4. Operating Altitude to 10,000 ft)	–15 to 3,048 m (–50
	5. Operating Vibration Hz at a rate of 0.5 octave/minute	0.25 G at 3 Hz to 200
	xxvii. Supplied Accessories	
1.	Power Cord based on country designation; all cables are 3 prong, molded connector, 1.8 m (6 ft)	1 USA standard, 1
2.	USB Keyboard and Mouse	1
3.	Bezel Key	2
4.	Rack Mount Kit hardware for mounting	Brackets, rails, and in a 2 RU rack
	xxviii. Certifications	
	1. CE, Class A; meets EN50130-4 standard requirements	
	2. FCC, Class A	
	3. UL/cUL Listed	
	4. C-Tick	
	5. CCC	
	6. KCC	
	xxix. IP Video Management Client Software requirements	
	1. The IP video management system shall provide the capability of running a client application in additional to the video management system.	
	2. A client computer with system compatible software shall be the user interface for viewing one or more systems. Live and recorded video and current event video shall be displayed on any client computer using a proper login and password. The client computer shall be able to connect to an unlimited number of recorders simultaneously to display live and recorded video.	
	3. Client Software shall be unlicensed and available to be installed on as many clients as required by the user.	
	4. Client Software shall be compatible with multiple DVR and NVR platforms.	
	5. Client Software shall be password controlled such that password functionality set at each connected system will be recognized at the client. Password shall limit the ability to access live or recorded video as well as the ability to export video.	
	6. Client Software shall allow multiple monitor support for up to four displays per client workstation, providing virtual matrix functionality.	

7. Client Software shall allow the connection of PTZ keyboard controllers to the client workstation to control PTZ operations and camera call-up.
8. Client Software shall allow video streams to be selectable from a system tree on an individual camera, individual system, client defined local groups, or from predefined recorder based groups.
9. Client Software shall be a tab based work environment with the ability to undock the tabs creating a virtual workspace on single or multiple monitor clients.
10. Client tabs shall include system management, live, and search options. Tabs can be displayed simultaneously on the client.
11. Systems Tab shall display and sort available systems, connection status, system names, system IP addresses, and custom categories. This tab shall additionally allow:
 - a. Manual connect and disconnect of systems to the client
 - b. Virtual systems naming
 - c. Auto Connecting
 - d. Adding, deleting, and editing available systems
 - e. Live video tab shall have the ability to be created up to four times on a single client workstation providing for video display combinations and simultaneous video streams from as many different systems with consideration for maximum client bandwidth.
12. Live video tab shall provide the following functionalities:
 - a. Quick Review which shall display recorded video from the last 1, 5, 15, 30, 60 or 90 minutes, providing near instantaneous review of recent events
 - b. One week graphical display of recorded video
 - c. Borderless display option
 - d. Screen layout selection
 - e. On the fly on-screen display changes including time, date, camera name, frame rate, frame size, alarm display, and border indicators
 - f. Digital zoom
 - g. User selectable in-video PTZ control or dashboard style control
 - h. Drag and drop audio support associating any audio with any video
 - i. Search video tab shall allow for the search of one or multiple cameras from one or multiple systems simultaneously. Search tab shall provide the following functionalities:
 - j. Time and date search
 - k. Advanced data search with Data Point interfaced software to Active Alert Intelligent Video and POS
 - l. Drag and drop audio support to associate audio with any video
13. Video export to any system accessible media including locally

	<p>to HDD, CD/DVD, Flash USB device or to network storage.</p> <ol style="list-style-type: none"> 14. Video authentication of exported video via check sum verification. 15. Alarm video tab shall allow for alarm pop-up and playback of active alarms. Alarms may be based on motion activity, an external software trigger from Active Alert analytics or a preset data alarm from Data Point. An alarm list pane shall be displayed for playback of queued alarms. 16. The Client shall incorporate virtual matrix functionality whereby camera sequences may be created on the monitoring workstation with the following functionalities: 17. Each sequence shall have a maximum of 500 cameras. 18. Each camera in the sequence shall have its own individual dwell time, from 1 to 60 seconds. 19. Each entry in a sequence shall have the capacity to trigger PTZ camera presets, patterns, or auxiliaries. 20. The Client shall have the capability to display recorded video with full VCR controls. This feature shall display video from multiple cameras simultaneously. The user shall be able to play video as fast as possible (all images), in real time, or by skipping a selectable number of seconds. 21. The Client shall support simultaneous playback of up to sixteen cameras all synchronized with each other. Non-synchronous playback of multiple cameras shall not be acceptable. 22. The Client shall support tours of multi-camera displays. 23. 3 year parts and labor.
2.	<p>Turnstile Barrier Waist Height-Single Sided (Ozak Turkey or Equivalent) with Installation, Testing and Commissioning as per following Specifications;</p> <p>Power Requirements: 110/220V. 60/50Hz. AC (%±10) 24V. DC at standby ~11W. max. ~60W.</p> <p>Dimensions : 500x955x300 + arm length (470mm)</p> <p>Arms: Single-sided. Ø40mmx2mm 304-Grade (Opt. 316-Grade) Stainless steel (Opt. anodized hard aluminum). Arms can be dismantled or mounted one by one separately.</p> <p>Body Features: 1,5mm 304-Grade (Opt. 316-Grade) Stainless steel with brushed (Opt. Satin) surface protected against water for outdoors use.</p> <p>Indicator Features : Green Arrow & Red Bar LED</p> <p>Operating Temperature, Humidity, IP Rating, MCBF: -20°C to +68°C (Opt. -50°C with heater unit) / RH 95% non-condensing / IP 54 Outdoor Model (Opt. IP 56) / 1M Cycles.</p> <p>Control System: All inputs are opto-coupler protected .Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.</p> <p>Operation: Bi-directional passage, manually (Opt. Motorized) operated system.</p> <p>Output Data: The system provides dry contact passage feedback by relays.</p> <p>Emergency Mode: (Standard: Fail Safe); in case of power failure or emergency, the</p>

	<p>arms rotate freely to allow rapid passage (Opt. Fail Secure).</p> <p>Flow Rate: Capacity of Mechanism (Manual System): ~90 passages/minute Nominal: ~25 - 46 passage-per-minute (Recommended reference figure).</p> <p>Standards: ISO 9001-2008</p> <p>Warranty: 01 Year.</p>
3.	<p>Electro Mechanical Gate (Hydraulic) Barrier with Installation, Testing and Commissioning (Optima Turkey or Equivalent) as per following Specifications;</p> <ul style="list-style-type: none"> • Arm: Aluminum with a special elliptical like cross section. • Arm Length: 3.5 mt, approximate. • Opening Time: 3 seconds approximate. • Cabinet: A1 Quality Steel (Galvanized, RAL 2004 Powder Coated, Furnaced) PLC Controller, Frequency Controller, Proximity Limit Switches, 220-240V, 50-60Hz, Open Close Buttons, Radio Control Receiver Cards, Control Electronics Mounted in IP65 Proof Box, • A high torque motor with reducer with 1/62 reduction ratio. • Manual operation facility. • Made of: Optima Turkey or Equivalent. • Warranty: 01 Year. • Standards: ISO 9001-2008, EN ISO:14001-2004

4.	Specifications & Standards Required	
	Description	Walk Through Gate
Walk through Gate with Installation, Testing & Commissioning (Ceia/Garret America or Equivalent).	Country of Origin	Ceia/Garrett USA or Equivalent
	Material	Hy duty aluminum mar-Resistant Laminate
	Warranty	2 yrs (Parts and Service)
	Over all dimensions	25 W x 23 D x 80 H inches
	Interior dimensions	30 W x 23 D x 80 H inches
	Programs	minimum 16 independent programs
	Sensitivity	High (Adjustable in each zone)
	Elec Power	AC 215v-230v 50/60 Hz
	Power Consumption	< 35W
	Working temp range	-20°C to + 50° C
	Weight	< 95 Kg
	Outer Frame	
	(1) HT	Upto 2220mm
	(2) Width	Upto 820 mm
	(3) Length	Upto 552 mm
	Inner Frame	
	(1) HT	Upto 2000 mm
	(2) Width	Upto 700 mm
	(3) Length	Upto 552 mm
	Technology	Adv Broad Band Sys (Should detect Ferrous and non ferrous articles)
	No of identifying zones (head to toe)	No less than 6
	Sensitivity adj	0 – 99
	(1) High	Should detect a clip
	(2) Low	(a) Should detect big metals like Knife, gun, aluminum, Zinc etc
		(b) Should ignore metal in belt button shoes
		(c) Shock proof to avoid false alarm and It alarm
		(d) Water Proof
	Type of counter	Having int t/c and alaram counter to calculate t/c flow and resultant alarm
	Op Program	Temper proof having password con op program
	Op freq	Having adjustable op freq, be able to eliminate theh potential eff from X rays units radios and other elec interference sources
	Eff on Human Body	Harmless to pregnant women and heart peace makers
	Min mix distance between two walk through gates	Should be up 0.3m for low sensitivity and upto 0.5m for high sensitivity
	Detection zones	Left, Center and Right of the body from head to toe
	Flexibility	Floor mounting option
	Standards	ISO 9001 2001 Cert, ECAC and TSA requirements
	Warranty	01 Year

Notes:

- a. If the company qualifies the eligibility criteria than it will be required to produce the equipment along with all relevant brochure/verification of the above specifications. The site inspection phase will be checked as per the performance attached as Annexure H.
- b. Firms qualifying the factory/office inspection stage will only be called upon to participate in next step of financial bidding.

4.1. Price Schedule for the Supply of IT& Networking Equipments/Items

Name of Bidder _____

S.No.	Item	Specification	Qty	Unit Price	Amount
1	Desktop Computers (HP or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	10		
2	Laptop Computers (HP or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	03		
3	Printers (HP or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	05		
4	Scanners (HP or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	01 (Flat Bed) (01 Heavy Duty)		
5	UPS (APC or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	15		
6	Digital Multimedia Projectors (3M, Optima, Emerson or Equivalent)	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	4		
7	ID Card Printer (Zebra or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	01		
8	Wi-Fi Device (TP-Link/E-Genius or Equivalent)	Best Quality with excellent features.	20		
9	Access Points (TP-Link/E-Genius or Equivalent)		10		
10	Photocopier (Ricoh-Minolta or Equivalent) Branded	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document.	03		
11	10.1. PABX – Analog (Alcatel/Panasonic or	As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of it & networking equipments/items in	1		

	<p>Equivalent)</p> <p>11.2. Operator Console (Alcatel/Panasonic or Equivalent)</p> <p>11.3. Telephone Sets (Panasonic or Equivalent)</p> <p>11.4. Cable</p> <p>11.5. Networking Accessories</p>	this Tender Document.	<p>02</p> <p>30</p> <p>1500 Running Feet approximate (or as per actual) with material and labor)</p> <p>30 (Approximate) or as per actual.</p>		
12	<p>Biometric Attendance System (ZK Technologies USA) or Equivalent</p>	<p>As per given specifications in Point No. 3. 1. Scope of work/technical specifications for the supply of networking equipments/items in this Tender Document.</p> <p>.</p>	<p>02</p>		

4.2. Price Schedule for Supply of CCTV Security & Surveillance Systems

Name of Bidder _____

S.No .	Item	Description	Qty	Unit Price	Amount
1	CCTV Security & Surveillance System with Installation, Testing and Commissioning (Complete).	<p>1.1 Supply of IP Cameras, POE 24V, 12v, 3MP, 3-10mm lens (Pelco or Equivalent). Quantity:18</p> <p>1.2. Supply of NVR (DS Server, 16TB, US Power Cord with DS Cam License Fee) (Pelco or Equivalent). Quantity: 01</p> <p>Active Networking Equipment : 1.3. Cisco Catalyst 2960-X 24 GigE PoE 370W, LAN Base (Make: Cisco or Equivalent), Quantity=01.</p> <p>Passive Networking Components: 1.4.UPVC Pipe 1" Quantity = 50 Meter or as per actual. 1.5. Channel 16x38: (Adamjee or Equivalent) Quantity = 120 Meter or as per actual. 1.6. Channel 40x40: (Adamjee or Equivalent) Quantity = 50 Meter or as per actual.</p> <p>UTP Cable: 1.7.CAT6 4 pair UTP Cable 305m,UnShielded, Pvc, Blue, (Vivanco or Equivalent): Quantity=05 Box or as per actual. 1.8.Cat6 Patch Panel 24 Port equipped with 24Nos. Cat6 Unshielded Tool less IO (Vivanco or Equivalent) Quantity=01 1.9. Cable Manager (Vivanco or equivalent), Quantity=01 Single Face Plate equipped with One nos. Cat6 UnShielded Tool Less IO (Vivanco or Equivalent) Quantity=20 or as per actual. 1.10.Cat 6 Patch Cord 1 Meter (Vivanco or Equivalent), Quantity=20 or as per actual. 1.11.Cat 6 Patch Cord 3 Meter (Vivanco or Equivalent), Quantity=20 or as per actual.</p> <p>Cabinet: 1.12. 15U Rack 540 x 600 wall mount with 2 fan and 8 port Pdu (Vivanco or Equivalent), Quantity=01 or as per actual.</p>			

2	Turnstile Barrier	Turnstile Barrier Waist Height-Single Sided (Ozak Turkey or Equivalent) with Installation, Testing and Commissioning as per given Specifications;	01		
3	Electro Mechanical Gate (Hydraulic) Barrier	Electro Mechanical Gate (Hydraulic) Barrier with Installation, Testing and Commissioning (Optima Turkey or Equivalent) as per following Specifications;	01		
4	Walk Through Gate (Ceia/Garrett USA or Equivalent) with Installation, Testing and Commissioning.	As per given specifications in Point No. 3. 2. Scope of work/technical specifications for the supply of it & networking equipments/items in this Tender Document	01		

Notes:

1. The total cost must include all taxes, duties and other charges as mentioned in the description column, Stamp duty (as applicable under Stamp Act 1989), delivery charges up to Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi.
2. Warranty as specified in specifications against each item.
3. No advance payment for supply of equipment will be made; bills are only being processed for necessary payment on receipt of certificate of delivery/satisfaction.
4. Calculation of Bid Security 2% of the Total Amount of the Financial Proposal will be submitted along with tender as Bid Security.
5. In case it is revealed at any stage after installation of the equipments that the asked specifications of the tender have not been met, the amount of the total installation of that specific equipment will be fined to the vendor with appropriate action as deemed necessary by the procurement committee.
6. Qualified company will also be bound to sign a bond/undertaking that in case of any observation arising in respect of quality of the equipments within the warranty period, the company will be liable to address it at his own cost, noncompliance of the same will result into initiation of a case against the company for non-commitment or cancellation of tender as will be decided by the Procurement Committee.
7. The successful bidder will be the one whose total sum of cost is the lowest. As it is in package tender, so no partial lowest cost will be considered for award of any work.
8. A fine of Rs 5,000/- per day will be fined in case of failure to supply and install the equipment etc after 15 days of the issuance of the prior notice.
9. All conditions in the contract agreement attached as Annexure G are part of this tender document.
10. The tender will be considered cancelled if the contract agreement after due signature is not submitted with Admin Office after 5 days of completion of bid evaluation report hoisting period (07 days) on SPPRA website.

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5 Contracts

5.1 Conditions of Contract

5.1.1 Definitions

In this contract, the following terms shall be interpreted as indicated:

“Applicable Law” means the Sindh Public Procurement Act 2009 and the Sindh Public Procurement Rules 2010.

“Procuring Agency” or “PA” means SZABUL.

“Contract” means the Contract signed by the Parties and all the attached documents listed in its Clause 1 that is General Conditions (GC), and the Special Conditions (SC).

“Contract Price” means the price to be paid for the performance of the Services. “Effective Date” means the date on which this Contract comes into force.

“GC” mean these General Conditions of Contract.

“Government” means the Government of Sindh.

“Currency” means Pak Rupees.

“Member” means any of the entities that make up the joint venture/consortium/association, and “Members” means all these entities.

“Party” means the PA or the Contractor, as the case may be, and “Parties” means both of them.

“Personnel” means persons hired by the Contractor or by any Sub- Contractors and assigned to the performance of the Services or any part thereof.

“SC” means the Special Conditions of Contract by which the GC may be amended or supplemented.

“Services” means the services to be performed by the Contractor pursuant to this Contract, as described in the scope of services.

“In writing” means communicated in written form with proof of receipt.

5.1.2 Law Governing Contract

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the laws of the Islamic Republic of Pakistan.

5.1.3 Notice

- Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the address specified in the SC.

A Party may change its address for notice hereunder by giving the other Party notice in writing of such change to the address specified in the SC.

5.1.4 Authorized Representative

Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the SZABUL or the Supplier may be taken or executed by the officials.

5.1.5 Taxes and Duties

The Supplier, Sub-Suppliers, and their Personnel shall pay such direct or indirect taxes, duties, fees, and other impositions levied under the Applicable Law as specified in the SC, the amount of which is deemed to have been included in the Contract Price.

5.1.6 Effectiveness of Contract

This Contract shall come into effect on the date the Contract is signed by both Parties. The date the Contract comes into effect is defined as the Effective Date.

5.1.7 Expiration of Contract

Unless terminated earlier pursuant to Clause GC 5.1.17 hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SC.

5.1.8 Modifications or Variations

Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.

5.1.9 Force Majeure

The failure on the part of the parties to perform their obligation under the contract will not be considered a default if such failure is the result of natural calamities, disasters and circumstances beyond the control of the parties.

5.1.9.1 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

5.1.9.2 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

5.1.10 Termination

5.1.10.1 Termination by SZABUL

The SZABUL may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this Clause GC 5.1.10.1. In such an occurrence the SZABUL shall give a not less than thirty (30) days' written notice of termination to the Supplier, and sixty (60) days' in the case of the event referred to in (e).

- a. If the Supplier does not remedy the failure in the performance of their obligations under the Contract, within thirty (30) days after being notified or within any further period as the SZABUL may have subsequently approved in writing;
- b. If the Supplier becomes insolvent or bankrupt;
- c. If the Supplier, in the judgment of the SZABUL has engaged in corrupt or fraudulent practices in competing for or in executing the Contract;
- d. If, as the result of Force Majeure, the Supplier(s) are unable to perform a material portion of the Services for a period of not less than sixty (60) days; and
- e. If the SZABUL, in its sole discretion and for any reason whatsoever, decides to terminate this Contract

5.1.10.2 Termination by the Supplier

The Suppliers may terminate this Contract, by not less than thirty (30) days' written notice to the SZABUL, such notice to be given after the occurrence of any of the events specified in paragraphs (a) through (c) of this Clause GC 5.1.10.2

- a. If the SZABUL fails to pay any money due to the Supplier pursuant to this Contract without Suppliers fault. -13-
- b. If, as the result of Force Majeure, the Supplier is unable to perform a material portion of the services for a period of not less than 60 days.

5.1.10.3 Payment upon Termination

Upon termination of this Contract pursuant to Clauses GC 5.1.10.1 or GC 5.1.10.2, the SZABUL shall make the following payments to the Supplier:

- a) Payment for Services satisfactorily performed prior to the effective date of termination;
- b) except in the case of termination pursuant to paragraphs (a) through (c), and (f) of Clause GC 5.1.10.1, reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract, including the cost of the return travel of the Personnel and their eligible dependents.

5.1.11 Good Faith

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

5.1.12 Settlement of Disputes

5.1.12.1 Amicable Settlement

The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Contract and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

5.1.12.2 Arbitration

If the SZABUL and the Supplier fail to amicably settle any dispute arising out of or in connection with the Contract within ten (10) days of commencement of such informal negotiations, the dispute shall be referred to arbitration of two arbitrators, one to be appointed by each party, in accordance with the Arbitration Act, 1940. Venue of arbitration shall be Karachi, Pakistan and proceedings of arbitration shall be conducted in English.

5.1.13 Data Ownership

The data in the implemented Computer System shall at all times remain the exclusive property of SZABUL. The Supplier is hereby required to transfer all necessary passwords, access codes or other information required for full access to the data to SZABUL upon successful commissioning of the Computer System and should not be available to any other party including the employees of the supplier.

5.1.14 Obligations of the Supplier

The Supplier shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Supplier shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the SZABUL, and shall at all times support and safeguard the SZABUL legitimate interests in any dealings with Sub Suppliers or third Parties.

5.1.14.1 Conflict of Interest

The Supplier shall hold the SZABUL's interests paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

5.1.14.2 Confidentiality

Except with the prior written consent of the SZABUL, the Supplier and the Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Supplier and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services

5.2 Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract.

5.2.1 Performance Security

The amount of performance security shall be five (5%) percent of the Contract Price.

5.2.2 Payment

The payment to be made to the Supplier under this Contract shall be made in accordance with the payment schedule as shall be agreed between SZABUL and the Supplier.

- a. All advance payment will be made against valid SZABUL guarantee(s)
- b. SZABUL will effect payment within 30 days on satisfactory delivery of services, upon submitting the invoice under above conditions.

5.2.3 Price

Schedule of prices shall be as fixed in the contract.

ANNEXURE 'A'

6. BID FORM

**[IT SHOULD BE SPECIFIC TO EACH CONTRACT AND WILL HAVE TO BE TAILORED
SEPARATELY FOR EACH TENDER DOCUMENT]**

Dated: _____, 2016

To,
Registrar
Shaheed Zulfiqar Ali Bhutto,
University Of Law, Clifton,
Karachi.
Chaudhry Khaliq-Uz-Zaman Road,
Near Lilly Bridge, Clifton,
Karachi.
Gentleman,

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer, in conformity with the said bidding documents for the sum of currency_____ [total bid amount in words and figures].

We undertake, if our Bid is accepted, [to provide goods/work/related service], that will be in accordance with the terms defined in the proposal and /or contract.

Our firms, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries _____.

If our Bid is accepted, we will give the SZABUL Guarantee/Pay Order/Demand Draft of a sum equivalent to five percent (5%) of the Contract Price for the due performance of the Contract, in the form prescribed by SZABUL.

We agree to abide by this Bid for a period of ninety (90) days from the date fixed for Bid Opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

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

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid and to contract execution if we are awarded the contract, are listed below:

Name & Address of Agent

Amount and Currency

(If none, State none)

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 2014.

[Signature]

[In the Capacity of]

Duly authorized to sign Bid for and on behalf of _____

ANNEXURE 'B'

7. BID SECURITY FORM

Whereas [name of the Bidder] has submitted its bid dated [date of submission of bid] for the supply _____.

KNOW ALL PEOPLE by these presents that WE [name of SZABUL] of [name of country], having our registered office at [address of SZABUL] (hereinafter called "the SZABUL"), are bound unto SZABUL (hereinafter called "the Purchaser") in the sum of for which payment well and truly to be made to the said Purchaser, the SZABUL binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said SZABUL this ____ day of ____ 2015.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraw its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the SZABUL during the period of bid validity:
 - a. fails or refuses to execute the Contract, if required; or
 - b. fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

We undertake to pay to the Purchaser up to the above amount upon receipt of its written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity and any demand in respect thereof shall reach the SZABUL not later than the above date.

[Signature and Seal of the SZABUL]

ANNEXURE ‘C’

8. Performance Security System

To,

To,
Registrar
Shaheed Zulfiqar Ali Bhutto,
University Of Law, Clifton,
Karachi.
Chaudhry Khaliq-Uz-Zaman Road,
Near Lilly Bridge, Clifton,
Karachi.

WHEREAS [name of Supplier] (hereinafter called “Supplier” or “Contractor”) has undertaken, in pursuance of Contract No. _____ [reference number of the contract] dated ____ 2015 to _____ [details of task to be inserted here] (hereinafter called “the Contract”).

AND WHEREAS we have agreed to give the Supplier / Contractor guarantee as required pursuant to the bidding document and the contract:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier / Contractor, up to a total of [amount of the guarantee in words and figures], and we undertake to pay you, upon your first written demand declaring the Supplier / Contractor to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [amount of guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 2015.

Signature and Seal of the Guarantors

ANNEXURE ‘D’

9. INTEGRITY PACT

Declaration of Fees, Commissions and Brokerage etc Payable by the Suppliers of Services Pursuant To Rule 89 Shaheed Zulfiqar Ali Bhutto University of Law. Public Procurement Rules Act, 2010

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

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

[The Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty. [The Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP. Notwithstanding any rights and remedies exercised by GoP in this regard, [the Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

For and On Behalf Of _____

Signature: _____

Name: _____

NIC No: _____

ANNEXURE ‘E’

10. Schedule of Opening & Submission of Bid

The Tender bids complete in all respects must reach the office of Registrar of Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi on or before 06-06-2016 till 13:00 hours. The bids shall be opened on the same day at 15:00 hours.

11. Form of Contract

This Mutual Non-Disclosure Agreement (“Agreement”) is made and entered into between Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi., and [Supplier Name], individually referred to as a ‘Party’ and collectively referred to as the ‘Parties’. The Parties wish to exchange Confidential Information (as defined below in Section 2) for the following purpose(s): a) to evaluate whether to enter into a contemplated business transaction; and b) if the Parties enter into an agreement related to such business transaction, to fulfill each Party’s confidentiality obligations to the extent the terms set forth below are incorporated therein (the “Purpose”).

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

1. The Effective Date of this Agreement is _____ 2016.
2. In connection with the Purpose, a Party may disclose certain information it considers confidential and/or proprietary (“Confidential Information”) to the other Party including, but not limited to, tangible, intangible, visual, electronic, present, or future information such as:

-Trade secret;

-Financial information, including pricing;

-Technical information including research, development, procedures, algorithms, data designs and know-how;

- Business information, including operation, planning, marketing, interests, and products;

- The term of any agreement entered into between the parties and the discussions, negotiations and proposals related thereto; and

-Information acquired during any facilities tours

3. The Party receiving Confidential Information (a “Recipient”) will only have a duty to protect Confidential Information disclosed to it by the other Party (“Discloser”):
 - If it is clearly and conspicuously marked as “confidential” or with a similar designation;
 - If it is identified by the Discloser as confidential and/or proprietary before, during, or promptly after presentation or communication; or
 - If it is disclosed in a manner in which the Discloser reasonably communicated, or the Recipient should reasonably have understood under the circumstances, including without limitation those described in Section 2 above, that the disclosure should be treated as confidential, whether or not the specific designation "confidential" or any similar designation is used.

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

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

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

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

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

- Was known to the Recipient before receipt from the Discloser;
- Is or becomes publicly available through no fault of the Recipient;
- Is independently developed by the Recipient without a breach of this Agreement; - Is disclosed by the Recipient with the Discloser's prior written approval; or
- Is required to be disclosed by operation of law, court order or other governmental demand ("Process"); provided that (i) the Recipient shall immediately notify the Discloser of such Process; and (ii) the Recipient shall not produce or disclose Confidential Information in response to the Process unless the Discloser has: (a) requested protection from the legal or governmental authority requiring the Process and such request has been denied, (b) consented in writing to the production or disclosure of the Confidential Information in response to the Process, or (c) taken no action to protect its interest in the Confidential Information within 14 business days after receipt of notice from the Recipient of its obligation to produce or disclose Confidential Information in response to the Process.

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

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

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

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

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

12. This Agreement may be executed in two or more identical counterparts, each of which shall be deemed to be an original including original signature versions and any version transmitted via facsimile and all of which taken together shall be deemed to constitute the agreement when a duly authorized representative of each party has signed the counterpart.

13. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof, and supersedes any prior oral or written agreements, and all contemporaneous oral

communications. All additions or modifications to this Agreement must be made in writing and must be signed by the Parties. Any failure to enforce a provision of this Agreement shall not constitute a waiver thereof or of any other provision.

Shaheed Zulfiqar Ali Bhutto University of Law, Clifton, Karachi

Company Name:

Registered Address:

Registered Address:

Name: _____

Name: _____

Signature: _____

Signature: _____

Title: _____

Title: _____

Date: _____

Date: _____

12. Contract Agreement

CONTRACT AGREEMENT

THIS AGREEMENT is entered into at Karachi
on this the _____ day of _____, 2014
BETWEEN

M/S. XYZ, having its principal place of business at _____,
(hereinafter referred to as "Supplier", which expression shall be deemed to mean and include its successors-in-interest and assigns) of the First Part;

AND

SHAHEED ZULFIQAR ALI BHUTTO UNIVERSITY OF LAW, CLIFTON, KARACHI., a Law University incorporated under the laws of Pakistan and having its Chaudhry Khaliq-uz-Zaman Road, Near Lilly Bridge, Clifton, Karachi, Pakistan. (hereinafter referred to as "SZABUL", which expression shall be deemed to mean and include its successors-in-interest and assigns) of the Second Part.

WHEREAS:

"SZABUL" intends to acquire the services of "Supplier" for the supply and Installation of _____ Items and Supplier agree to provide the same.

The terms and conditions are as follows:

Terms & Conditions:

- All terms and conditions of the tender document will remain part of this agreement.
- A fine of Rs 5,000/- per day will be fined in case of failure to supply and install _____ after seven days of the issuance of the prior notice.
- In the event of the default on the part of the Supplier, in the performance of any condition of the contract/tender or delay in supply and installation of _____ even after a lapse of 07 days of the issuance of the purchase order, it shall be lawful for the SZABUL to forfeit the performance security and cancel the whole part of the supply order or cancel the contract. Decision of the SZABUL will be final and will be legal binding on the Supplier.
- Supplier agrees to maintain adequate inventory of the parts so that the replacement is available within 24 hours, if any fault arises in the goods supplied during the warranty period. In case the effected part is not available, then the Supplier will provide the backup of the same product/item or better till the resolution of the fault is met, without any extra cost to the SZABUL.
- The Supplier also undertakes to bear all kind of taxes i.e. Stamp duty/ Services Charges/Professional Tax / Sales Tax Invoice, Income Tax, Zila / Octroi Tax (if any) and all other incidental charges etc, up to the place of destination.
- The SZABUL reserves the right to test/check the goods to ensure that it is provided as per specification in the tender document. For any discrepancies, at the time of supply or later, the SZABUL reserve the right to forfeit full performance security and cancel the tender and initiate the process for blacklisting of the Supplier. The decision of the SZABUL shall be final and binding upon the Supplier. –

- Delivery will be made by the Supplier at different locations prescribed by the SZABUL.
- The cost must include all taxes, stamp duty installation, labor including delivery charges up to the city campus of szabul.
- Supplier binds/undertakes that in case of any observation arising in respect of quality/performance of the goods within the warranty period, the supplier will be liable to address it at his own cost within 24 hours. Non-compliance of the same will result into initiation of a case against the company for no commitment and forfeiting of performance security or any other action as deemed necessary.
- Any notice, request or consent required or permitted to be given or made pursuant to this agreement shall be in writing. Any such notice, request or consent shall be deemed to have been given or made pursuant to this agreement shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the given address.
- A party may change its address for notice by giving a notice to the other Party in writing of such change.

Warranty

- As specified in the Tender Document.

Payment Schedule:

100 % of the total amount against the Supply of Tender Items will be paid within one month of invoice submission by the supplier.

Retention Money:

10% of the total contract amount will be retained by the SZABUL as “Retention Money” and will be returned to the supplier after completion of warranty periods, warranty period shall start from the successful and satisfactory supply, testing and commissioning of systems (whole the tender items) by SZABUL.

Authorized Representative:

- Any action required or permitted to be taken, and any document required or permitted to be executed under this agreement by the SZABUL or the Supplier may be taken or executed by the officials.

Termination of Agreement by the SZABUL:

- If the Supplier, in the judgment of the SZABUL has engaged in corrupt or fraudulent practices in competing for or in executing the Agreement.
- If, as the result of Force Majeure, the Supplier is unable to perform a material portion of the Services for a period of not less than thirty (30) days; and
- If the SZABUL, in its sole discretion and for any reason whatsoever, decided to terminate this Agreement.

Goods Faith:

- The Parties undertake to act in good faith with respect to each other's rights under this agreement and to adopt all reasonable measures to ensure the realization of the objectives of this agreement.

Settlement of Disputes:

- The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Agreement and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with the Agreement or its interpretation.
- If Parties fail to amicably settle any dispute arising out of or in connection with the Agreement within (10) days of commencement of such informal negotiations, the dispute shall be referred to arbitration of two arbitrators, one to be appointed by each party, in accordance with the Arbitration Act, 1940. Venue of arbitration shall be Karachi, Pakistan and proceedings of arbitration shall be conducted in English.

Conflict of Interest:

- The Supplier shall hold the SZABUL's interests paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

Support Escalation Matrix:

For timely addressing of complaints given support escalation matrix will be utilized/followed:-

	Name/Designation	
LEVEL-1	(support staff)	
First complain if the call is not resolved	Landline Phone	
"within specified response time"	Email	
(05 days)	Cell	
	Name/Designation	
	(Regional	
LEVEL-2	Head/Manager/GM)	
Second complain, if the call is attended		
	Landline Phone	
within "Specified Response Time" and		
	Email	
not attended / or the problem still		
unresolved even after complaining at Level-		
1		
(10 days)	Cell	
	Name/Designation	
LEVEL-3	(CEO of the firm)	
Third complain, if the call is attended within		
	Landline Phone	
"Specified Response Time" and not		
	Email	
attended /or the problem still unresolved		
even after complaining at Level-2	Cell	
Note: Ensure that no column above is left blank		

In witnesses hereunder both the parties have set their hands on the day and year above first mentioned.

Supplier Signature _____ Witness:

Name _____

Designation _____

Company Name _____

Address _____

Signature _____

Name _____

Designation _____

Address _____

Stamp

Customer Signature _____

Name

Designation

Company Name SZABUL

Address Chaudhry Khaliq-Uz-Zaman Road,
Near Lilly Bridge, Clifton, Karachi

Stamp

Witness:

Signature _____

Name _____

Designation _____

Address _____

Signature _____

Name

Designation

Company Name: SZABUL

Address Chaudhry Khaliq-Uz-Zaman Road,
Near Lilly Bridge, Clifton, Karachi

13. Inspection/ Assessment Checklist

INSPECTION /ASSESSMENT CHECKLIST				
Ser#	Checklist	Yes	No	Comments
1	Proper Store Keeping and Material Management Area			
2	Separate Testing Area			
3	Existence of Safety & Security Policies and its Implications			
4	Fully Equipped & Functional Quality Lab Facility			
5	Requisite Qualified Staff			
6	Availability of Tendered Bid Equipments			
7	Availability of Spare Parts			

Note: Acquiring of 'Yes' status in all serials of the checklist above is mandatory.

Firm Name: _____

Site Address: _____

Date & Time of Inspection: _____

Result-Inspection Report: _____

Overall Report: Qualified / Disqualified

Names & Signatures-Inspection Committee:

1 _____	_____
(Name)	(Signature)
2 _____	_____
(Name)	(Signature)
3 _____	_____
(Name)	(Signature)