POLICE DEPARTMENT
GOVERNMENT OF SINDH
www.sindhpolice.gov.pk

No. 416 /DIT/CPO/2017
Dated: 06.02.2017

To,

The Director of Information
(Advertisement) Public Relation Department,
Government of Sindh,
Block-96, Sindh Secretariat, Karachi.

Subject: **TENDER NOTICE FOR PUBLICATION.**

Reference to IGP / Sindh order's No. 022-028, dated: 06-01-2017, please herewith draft of tender notice (seven copies) for publication in the leading newspapers simultaneously on latest by 08th & 09th February, 2017 positively: -

1. One Daily English
2. One Daily Urdu
3. One Daily Sindhi

2. One copy each of the Newspapers containing the advertisement in question may please be sent to this department for further action in the matter.

(TABASUM ABBASI)
Director I.T CPO, Sindh Police
Secretary Purchase Committee

Copy submitted to the following for information and necessary action please: -

1. The Inspector General of Police, Sindh, Karachi.
2. The Addl: IGP / Traffic Sindh, Karachi.
3. The Secretary to Government of Sindh, Information Technology Department, Karachi (alongwith soft copy of tender notice for placing on website of Government of Sindh www.sindh.gov.pk.
4. The AIGP/Logistics CPO Sindh, Karachi.
5. The Manager (Assessment) Government of Sindh, Sindh Public Procurement Regulatory Authority Barrack No. 8, Sindh Secretariat No. 4-A, Court Road Karachi.
6. Home Department, Government of Sindh, Karachi. Chq No. 16362477
7. Webmaster I.T Branch CPO Sindh Karachi (alongwith copy of draft tender notice for placing on website of Sindh Police Department www.sindhpolice.gov.pk.
8. Master file.

POLICE DEPARTMENT
GOVERNMENT OF SINDH

www.sindhpolice.gov.pk

TENDER NOTICE

Sealed tenders are invited in accordance with the Sindh Public Procurement Rules, 2010 from contractors/contracting firms for following works of the Police Department.

S #	SCOPE OF THE WORK	EARNEST MONEY	TENDER FEE	DURATION OF COMPLETION WORK
1.	Supply, Installation & Support for Computer Hardware, Video Conferencing, IP Telephony for Driving License Branches of Sindh	2.0 % of Total Bid	Rs. 1,000/-	Yearly Contract

TERMS & CONDITIONS:

i. Contractors/Contracting Firms should be registered (FBR) Income Tax, Sales Tax and Sindh Revenue Board (NTN and STN registration certificates will be required).

ii. Contractors/Contracting Firms are advised to quote rates on Unit basis.

iii. The contractors/contracting firms will be required to show evidence of experience, capability in respect of personnel/machinery, financial position etc (Profile of the Firm).

iv. Contractors/Contracting Firms black listed by Government Departments or agency will not be allowed to participate in the tender/bid (participating contractors/contracting firms will be required to submit affidavit to the effect that they are not black listed), for any Government Department.

v. Only bids offered on the prescribed Tender Form issued by this department shall be accepted. However, additional sheets may be attached, if required.

vi. Conditional tender / application will not be entertained.

vii. Validity of bid/offer shall be at least 90 days from the date of opening of tender.

viii. The competent authority reserves the right to reject all or any tender/bid subject to and in accordance with the relevant provisions of the Sindh Public Procurement Rules, 2010 and conditions contained in Tender Documents.

INFORMATION & PROCEDURE:

1. Complete set of bidding documents containing the scope of work and relevant details along-with other technical details can be obtained by the interested Contractors/Contracting Firms from the office of the Information Technology Branch, Ground Floor Block-B, Central Police office, I.I Chundrigar Road, Karachi, Ph: 021-99212082, **from publication of NIT till 06-03-2017** during working hours on payment of tender fee (non refundable). Method of Procurement will be single stage two envelope.

2. The bid in accordance with single stage two envelope procedure (Technical bid and financial bid sealed in separate envelopes and both envelopes sealed in a single envelope) should be submitted upto 6th **March 2017 @ 10:00 A.M,** and Bids will be opened by the Departmental Procurement Committee on same **at 11:00 A.M** in the presence of duly authorized representatives (who may like to be present) of Contractors/Contracting firms participating in the tender/bid.

3. Any other information relating to this tender/bid or detail of work or any further clarification can be obtained from the Information Technology Branch, Ground Floor Block-B, Central Police office, I.I Chundrigar Road, Karachi, Ph: 021-99212082, during office hours before opening of tender.

4. The Contractors/Contracting Firms are advised in their own interest to fully understand scope of work and technical details. They may also visit the site to asses themselves any additional/incidental work (availability of electricity, water or any other item) which may come up before or during execution of the work of this tender for the reason that no extra cost will borne out by Police Department for such eventualities nor any extension in time will be provided on such pretext.

(TABASUM ABBASI)
Director I.T CPO, Sindh Police
Secretary Purchase Committee

OFFICE OF THE
INSPECTOR GENERAL OF POLICE
SINDH, KARACHI.

No. 022-028 /2017
Dated: 06 . 01 .2017

ORDER

Subject: **PURCHASE COMMITTEE FOR NEW DRIVING LICENSE BRANCH EQUIPMENTS.**

With the approval of Competent Authority, the following Committee is hereby constituted for Purchase of New Driving License Branch Equipments for Sindh Police during current financial year 2016-17 in accordance with the SPPRA Rules 2010.

1.	DIGP Traffic License & Training, Karachi	Chairman
2.	Director I.T, CPO Sindh Karachi	Secretary
3.	Rep. of Home Department, Govt. of Sindh	Member
4.	Rep. of Finance Department, Govt. of Sindh	Member
5.	DSP Admin Driving License, Sindh Karachi	Member

Terms of Reference are:-

i. To approve the specifications
ii. Approval of bidding document before issuance Tender Notice
iii. Evaluation of technical and financial proposal
iv. Short listing of firms in accordance with the evaluation criteria mentioned in the bidding document.
v. Finalization and recommendation of successful bidder on the basis of the evaluation criteria mentioned at (iv) above.

(MUNIR AHMED SHAIKH), PPM, PSP
DIG Headquarters,
for Inspector General of Police,
Sindh, Karachi.

Copy to the following for information:-

1. The Secretary Finance, Govt. of Sindh Karachi.
2. The Secretary Home Department, Govt. of Sindh Karachi.
3. The DIGP IT Sindh.
4. The DIGP Traffic (L&T) Sindh.
5. The DSP Admin, DL Branch, Clifton Sindh, Karachi.
6. PS to IGP Sindh.
7. PS to DIGP H.Qtrs, Sindh, Karachi.

(MUNIR AHMED SHAIKH), PPM, PSP
DIG Headquarters,
for Inspector General of Police,
Sindh, Karachi.

Dy. DSP Admin/GB
Any instead
Any allocation?
Get nomination from Home & Finance deptt.
10/01
DIGP/TR/(L&T)
Proper file/record
082
10-1-2017

POLICE DEPARTMENT
GOVERNMENT OF SINDH
www.sindhpolice.gov.pk

ANNUAL PROCUREMENT PLAN
(WORKS, GOODS & SERVICE)
Financial year: 2016-2017

S. #	Description of procurement	Quantity (where applicable)	Estimated unit cost (where applicable)	Estimated Total Cost	Funds allocated	Source of funds (ADP/Non ADP)	Proposed procurement method	Timing of Procurements				Remarks
								1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
01	Supply, Installation & Support for Computer Hardware, Video Conferencing, IP Telephony for Driving License Branches of Sindh	Complete Job	N/A	Rs. 10.0 Million	Approved	Non ADP	Single Stage Two Envelope			✓		

(TABASUM ABBASI)
Director I.T CPO, Sindh Police
Secretary

STRIVING TO SERVE

SINDH POLICE

Request for Proposal
For

DLS

DRIVING LICENSE SINDH

SYMBOL OF TRANSPARENCY & HOSPITALITY

Supply, Installation & Support for Hardware, Video Conferencing, IP Telephony
For:
Driving License Branches of Sindh

February 2017

Note: The bidder is expected to examine the bidding documents, including all instructions, forms, terms, specifications, and charts/drawings. Failure to furnish all information required in the Bidding Document or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

Table of Contents

BID DATA SHEET

SR	DESCRIPTION	DETAILS
01	Procuring Agency	Sindh Police (SP)
02	Mode of Tendering	Request for Proposal
03	Website	www.sindhpolice.com.pk
04	Tender Subject	Supply, Installation & Support for Computer Hardware, Video Conferencing, IP Telephony for Driving License Branches of Sindh
05	Method of Procurement	Single stage two envelope method of procurement would be followed as per the details mentioned in SPP Rules 2010 for the said method
06	Source of Funds	Sindh Police
07	Address	Information Technology Branch, Ground Floor, Block – B, Central Police Office, I.I. Chundrigarh Road, Karachi Phone: 021-99212082
08	Language	English
09	Cost of Bidding Documents	Rs. 1000/- Non Refundable
10	Price	The price shall be fixed
11	Earnest Money	**2%** of the Bid Price
12	Bid Validity	**90** Days after the submission of the proposal
13	Method of Submission	Two original envelopes marked Technical Proposal and Financial Proposals respectively and one copy of both (Technical and Financial) proposals.
14	Last Date for Collection of Bidding Documents	06-03-2017
15	Last Date for Submission of Tender Documents	06-03-2017 Till 10:00 A.M
16	Date of Opening of the Bid	06-03-2017 11:00 A.M

1 BIDDING DOCUMENT INFORMATION

This Request for Proposal (BIDDING DOCUMENT) is being issued for the project, "Supply, Installation & Support for Hardware, Video Conferencing, IP Telephony for Sindh Driving License Branches"

1.1 The Purchaser invites sealed bids from Bidders for Supply, Installation & support for Hardware, Video Conferencing, IP Telephone for Sindh Driving License Branches.

1.2 Bidding documents may be purchased at the address given at the bottom of this page and upon payment of a non-refundable fee of Pak Rupees1000/- in the form of Pay Order. Document may be downloaded from the website of SPPRA or Procuring Agency, in such case bidder shall attach Pay of Pak Rupees 1,000/- in favour of DIG License & Training Karachi; at time of submission (as a fee of bidding document)

1.3 Bids shall be valid for a period of 90 days after Bid closing and must be accompanied by security of 2.0% of the total quoted bid price, and shall be delivered to the address given at the bottom of the page on or before the last date of bid submission mentioned in Table 1 at 10:00 am and the technical bids would be opened on the same day at 11:00 am in the presence of the bidders who wish to attend. Late bids would be rejected.

1.4 The BIDDING DOCUMENT is issued in strict compliance with Sindh Public Procurement Rules 2010 and bids would be accepted under the recommended single stage two envelope Method under Sindh Public Procurement Rules 2010.

1.5 Bidders may obtain further information from the Purchaser during normal working hours at the address given below and submit queries via letter or fax to the Point of Contact listed in para. 1.9.

1.6 All bids must be accompanied by a bid bond, in the form of a Bank Guarantee (from a Scheduled Bank in Pakistan), Demand Draft/Pay Order, of not less than two per cent (2.0%) of the bid price. Company/Personal Cheques or Insurance Guarantee are NOT acceptable forms of bid bond. The bid bonds must be valid for 28 days beyond the Bid Validity period.

1.7 The attention of prospective Bidders is drawn to (i) the fact that they will be required to certify in their bids that all software is either covered by a valid license or was produced by the Bidder and (ii) that violations are considered fraud, which is, among other remedies, punishable by potential blacklisting from participation in future procurements.

1.8 The point of Contact for all correspondence is:

DIG L&T
Driving License Branch, Clifton Karachi
PH: 021- 99250521
FAX: 021- 99250511

2 BIDDING DOCUMENT TERMINOLOGY

2.1. "Bidding" means this document and the Bid Response Forms;

2.2. "Bidder" means a company or consortia of companies / firms (not exceeding 2) that has been invited to submit and intends to submit a proposal in response to this BIDDING DOCUMENT;

2.3. "Purchaser" means Deputy Inspector General of Sindh Traffic License & Training Karachi;

2.4. "Consultant" means the successful bidder to this bidding document who enters into a written Contract with the Purchaser;

2.5. "Contract" means written agreement resulting from this Request for Proposal executed by the Purchaser and the Consultant.

3 BIDDING GUIDELINES

General

3.1.1 SCOPE OF BID

The Purchaser is the only authority of Karachi providing Driving Licenses to citizens and has been entrusted with

- Provide Driving Licenses to qualified drivers
- Medical Screening of citizen
- Impart public awareness about traffic rules & regulations
- Collect revenue of license fee through Pakistan Post office
- Collect fee of Medical, Cards Lamination, and NADRA Verification etc.

A new Driving License System was inaugurated to address capacity handling issues and driving license issuance processes. To further enhance capacities the concept of engaging a vendor to provide services include:

- Supply, Installation & support for Servers
- Supply, Installation & support for Thermal Printers.
- Supply, Installation & support for Video Conferencing Terminal for 3 branches of Driving License Karachi
- Supply, Installation & support for IP Telephony between for 3 branches of Driving License Karachi
- Supply Installation & support for Firewall.
- Supply Installation & support for CCTV setups.
- Electrical & Data Network Laying

3.1.2 Mode of Bidding

3.1.2.1 The bidder must be an entity incorporated under the laws of Pakistan.

3.1.2.2 A Bidder must submit an original proposal substantially responsive to the Technical Specifications included in the Bidding Documents.

3.1.2.3 Provision for price escalation adjustment included in a bid shall not be taken into consideration.

3.1.2.4 Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder(s) of any obligation to inform the affected Bidder(s) on the grounds for Purchaser's action.

3.1.3 Procurement Schedule

The procurement schedule for this project is as follows:

Procurement Milestone	Date
Proposal Submission Deadline	Monday 6-3-2017 10.00 AM

Table 1: Procurement Schedule

Note: The Purchaser reserves the right to adjust this schedule as necessary.

3.1.4 Eligible Bidders

3.1.4.1 This bidding process is open to all eligible firms / consortia of firms subject to the conditions given below.

3.1.4.2 The Bidder shall furnish, as part of its bid documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.

3.1.4.3 The bidder should have officially purchased the bidding documents as detailed in para 1.3, evident by submission of bid purchase receipt or should have submitted the pay order of its cost with the bid.

3.1.4.4 The documentary, evidence of the Bidder's eligibility to bid shall establish to Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is anassociation of persons, company or corporation.

3.1.4.5 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

3.1.5 Mandatory Qualifications of the Bidder

3.1.5.1 By submission of documentary evidence in its bid, the Bidder must establish to the Purchaser's satisfaction:

1. that it has the required experience and technical know-how for the project scope of work; and
2. That it has financial capability to perform the Contract.

3.1.5.2 By submission of documentary evidence in its bid the bidder must establish to the purchaser's satisfaction:

1. Bidder must be a ISO 9001-2015 Certified
2. Bidder must be having a Manufacture Authorization Letters for Servers, Firewall, and IPBAX& Video Conferencing Solution.

3.1.5.3 By submission of documentary evidence in its bid, the Bidder, or in case of a joint bid, any of the partners, has not been blacklisted by any government or public sector organization.

3.1.5.4 By submission of documentary evidence that Bidder is registered with FBR, GST & PST (Certificate Required)

3.1.5.5 Failure to comply with or satisfy any of the above clauseswould result in disqualification and rejection of bid.

3.1.6 Joint Ventures

3.1.6.1 Bidders may submit bids as a Joint Venture based on specializations required in this bidding document along with overall project management and shall be appointed as a lead bidder who shall be solely responsible for end to end delivery of the entire project.

3.1.7 Cost of Bidding

3.1.7.1 The Bidder shall bear all costs associated with the preparation and submission of its bid and the Purchaser will in no case be responsible or liable for those costs.

The Bidding Documents

3.1.8 Content of Bidding Documents

3.1.8.1 The contents of the Bidding Documentsshould be read in conjunction with any addenda issued.

3.1.8.2 Bidders are expected to examine all instructions, forms, terms, specifications, and other information in the bidding document. Failure to furnish all information required by the bidding document or to submit a bid not substantially responsive in every respect will be at the Bidder's risk and may result in the rejection of its bid.

The Invitation for Bids does not form an official part of this bidding document and is included for reference only. In case of inconsistencies, the latter shall prevail.

3.1.9 Clarification of bidding document

3.1.9.1 An interested bidder, may request for clarification of contents of the bidding document in writing, and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid;

Preparation of Bids

3.1.10 Language of Bid

3.1.10.1 The bid prepared by the Bidder, and all correspondence and documents related to the bid, shall be written in the English language.

3.1.11 Documents Comprising the Bid

3.1.11.1 The bid submitted by the Bidder shall comprise the following:

1. Eligibility Criteria forms duly filled out with all the relevant details;
2. Financial information of the bidder;
3. Documents establishing firms eligibility and qualification, such as year of incorporation, list of partners/directors, statement of experience, key personnel, details of relevant projects etc.;
4. Response to the technical requirements as described in the Bidding document;
5. Details of supplies.
6. a Bid Form duly completed and signed by a person or persons duly authorized to bind the Bidder to the Contract;
7. all Price Schedules duly completed in accordance with this bidding document and signed by a person or persons duly authorized to bind the Bidder to the Contract;
8. bid bond in the form of a Bank Guarantee or Bank Draft/Pay Order should be submitted;
9. a duly notarized, written power of attorney;

10. a list of all deviations and justifications for the deviation to the required technical features specified in the Technical Requirements;

11. an undertaking that the Bidder, or in case of a joint bid, any of the partners, has not been blacklisted by any government or public sector organization – as per the specimen supplied as Section 5.1.3;

12. a duly notarized Integrity Pact on Rs. 100/- stamp paper – as per the specimen supplied as Section 5.1.4; and

3.1.11.2 Bidders are reminded that their bids may be considered as non-responsive if material deviations are taken.

3.1.12 Bid Prices

3.1.12.1 Prices must be quoted, strictly using the format mentioned in BOQ of this Bidding Document. Bidders may be required to provide a breakdown of any composite or lump-sum items included in the Price Schedules.

3.1.12.2 These prices must include all incidental costs associated with the provision of the service, such as travel, subsistence, office support, communications, printing of materials, etc., and all taxes, levies, duties and fees imposed on the Bidder, its Sub-Consultants, or employees on account of such services in the Purchaser's country or in any other country.

3.1.12.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to increases on any account. Bids submitted that are subject to price adjustment will be rejected.

3.1.12.4 Escalation on account of currency devaluation may be allowed at the sole discretion of the Purchaser.

3.1.12.5 All prices should include turn-key installation and commissioning, support and maintenance as well as Operations Support for a period of one (1) year.

3.1.12.6 All bids should be submitted to include prices of equipment and material on DDP – Delivered Duty Paid basis ("DDP" to be understood as defined in "Incoterms 2010 – ICC Official Rules for the Interpretation of Trade Terms").

3.1.12.7 Bid Price shall include stamp duty charges @ 0.30% of the total value of Contract.

3.1.13 Bid Currencies

3.1.13.1 All prices shall be quoted in Pakistan Rupees.

3.1.14 Documents Establishing the Conformity of Proposed Solution to Bidding Documents

3.1.14.1 The Bidder shall furnish, as part of its bid, documents establishing the conformity to the Bidding Documents of the proposed solution that the Bidder proposes to supply and install under the Contract.

3.1.14.2 Bids for sub-systems or portions or part-solutions of the solution shall not be accepted.

3.1.14.3 The documentary evidence of conformity of the proposed solution to the Bidding Documents shall be in the form of written descriptions, literature, diagrams, certifications, and client references, including:

1. a detailed description of the essential technical and performance characteristics of each component making up the proposed solution;

2. detailed drawings, design parameters, design calculations, put-up sheets and outputs of any tools used for capacity planning and designing of the entire solution;

3. Anitem-by-item commentary on the Purchaser's Technical Requirements, demonstrating the substantial responsiveness of the proposed solution offered to those requirements. In demonstrating responsiveness, the commentary shall include explicit cross-references to the relevant pages in the supporting materials included in the bid. Whenever a discrepancy arises between the item-by-item commentary and any catalogues, technical specifications, or other pre-printed materials submitted with the bid, the item-by-item commentary shall prevail;

4. An Implementation Plan for the implementation services as required by the Purchaser and stated in the Bidding Document. The Implementation Plan must be at a level of details to demonstrate the understanding of the Bidder with respect to the scope of implementation services of the project.

5. An written confirmation that the Bidder shall accept responsibility for the successful integration and inter-operability of all components of the proposed as required by the Bidding Documents.

3.3.5.5 Bids submitted without a satisfactory Project Plan and Implementation Plan may be rejected.

3.1.15 Format and Signing of Bid

3.1.15.1 Separate technical and financial bids shall be submitted sealed in a Cover envelope.

3.1.15.2 The Bidder shall prepare one original and one (01) copy of the bid, clearly marking each one as "TECHNICAL BID - ORIGINAL", "FINANCIAL BID - ORIGINAL", "TECHNICAL BID - COPY," " FINANCIAL BID - COPY," etc., as appropriate. In the event of any discrepancy between them, the original shall govern. The bidder shall also provide one soft copy (and one back up copy) of TECHNICAL BID and one soft copy (and one back up copy) of FINANCIAL BID on a CD.

3.1.15.3 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed and stamped by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid, except for un-amended printed literature.

3.1.15.4 The bid shall contain no interlineations, erasures, or overwriting, except to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

3.1.15.5 Any mention on Bid Price in the Technical Bid would result in disqualification.

Submission of Bids

3.1.16 Deadline for Submission of Bids

3.1.16.1 Bids must be received by the Purchaser at the address specified in the BIDDING DOCUMENT no later than 10:00 am on the date mentioned in Table 1.

3.1.16.2 The Purchaser may, at its discretion, extend this deadline for submission of bids by amending the BIDDING DOCUMENT, in which case all rights and obligations of the Purchaser and Bidders will thereafter be subject to the deadline as extended.

3.1.16.3 The TECHNICAL and FINANCIAL bids, separately sealed shall be addressed and delivered to the Purchaser at the following address:-

DIG L&T Karachi
Driving License Clifton Branch
Karachi

3.1.17 Late Bids

3.1.17.1 Any bid received by the Purchaser after the bid submission deadline prescribed by the Purchaser on clause 3.4.1.1 will be rejected and returned unopened to the Bidder.

3.1.18 Modification and Withdrawal of Bids

3.1.18.1 Modifications to the bid will not be accepted.

3.1.18.2 The Bidder may withdraw its bid after submission, provided that written notice of the withdrawal is received by the Purchaser prior to the deadline prescribed for bid submission.

3.1.18.3 A Bidder wishing to withdraw its bid shall notify the Purchaser in writing prior to the deadline prescribed for bid submission. A withdrawal notice may also be sent by electronic mail or facsimile, but it must be followed by a signed confirmation copy, postmarked no later than the deadline for submission of bids. The notice of withdrawal shall be addressed to the Purchaser at the address stated for bid submission. Bid withdrawal notices received after the bid submission deadline will be ignored, and the submitted bid will be deemed to be a validly submitted bid.

3.1.18.4 No bid may be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period. Withdrawal of a bid during this interval may result in the forfeiture of the Bidder's bid security.

3.1.19 Sealing and Marking of Bids

3.1.19.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "TECHNICAL BID – ORIGINAL" and "TECHNICAL BID - COPY" etc. Similarly the original and copies of the financial bids shall be enclosed in separate envelopes and duly marked. The respective soft copies on CD shall be enclosed in the envelope containing ORIGINAL bids. The envelopes shall then be sealed separately in outer envelopes clearly marked "TECHNICAL BID" and "FINANCIAL BID".

3.1.19.2 The inner and outer envelopes shall be addressed to the Purchaser at the address given in the BIDDING DOCUMENT, bear the Contract/Project name and the bid opening date.

3.1.19.3 The outer envelopes may not have any marking to indicate the identity of the Bidder.

3.1.19.4 The inner envelopes shall also indicate the name and address of the Bidder so that the bid can be returned unopened in case it is declared "LATE."

Bid Opening and Evaluation

3.1.20 Opening of Technical Bids by Purchaser

3.1.20.1 The Purchaser will open all technical bids of Bidders who have submitted a bid, in public, in the presence of Bidder's representatives who chose to attend, at 11:00 am,

on the due date mentioned in Table 1 and at the Purchaser's premises in Karachi. Bidder's representatives shall sign a register as proof of their attendance.

3.1.20.2 Bids shall be opened one at a time, reading out: the name of Bidder and any other such details as the Purchaser may consider appropriate.

3.1.20.3 Bids that are received late shall not be accepted and opened, irrespective of the circumstances.

3.1.21 Evaluation of Technical Bids by Purchaser

3.1.21.1 There will be a two-stage technical evaluation. Preliminary evaluation of technical bids will be conducted as per information requested in paragraphs 3.1.4, and 3.1.5.

3.1.21.2 Detailed technical evaluation will be conducted for Bidders who qualify the preliminary evaluation. Non-Confirming bids would be rejected.

3.1.21.3 Purchaser reserves the right to demand that the Bidderarrange an on-site visit to facilities that the Bidderhas implemented.

3.1.21.4 The Purchaser's detailed technical evaluation of the responsive bids that have met the mandatory clauses in eligibility criteria will take into account for the next phase of technical evaluation the following factors. The following weights will be used in the technical evaluation of bids:

	Evaluation Criteria	Documentary Evidence Attached	Marks
	Section 1 Company Profile		
1.1	Years of Establishment of firm duly registered with the SECP or company ordinance 1984	The documentary evidence / proof should be attached in the Technical bid for verification	Max Marks = 50 above 7 Years = 50 above 5 - 7 Years = 40 above 3 - 5 Years = 30 Less than 3 Years = 0
1.2	Financial Strength of the Firm	Capital employed in the business (PKR in Millions)	Max Marks = 50 7 Million or more = 50 4 – 6 Million = 40 2 – 4 Million = 30 Less than 2 Million = 10

Section 2 Financial Capability			
2.1	Average annual turnover of the firm for the last 3 years	a) Annual Audit Report b) Registration Evidence	Max Marks = 50 Above10 Million = 50 Above 5 – 10 Million = 40 Less than 5 Million = 10
2.2	No. of Projects in Hand (Minimum Rs. 5 Million worth each or above)	a) Work Orders b) LOA c) Related documents for verification (Relevant filed projects will be preferred)	Max Marks = 50 More than 5 = 50 3 – 5 Projects = 40 1 – 2 Projects = 30
Section 3 Specialization			
3.1	Expertise of Firm in term of specialization	Documentary evidence will be submitted for verification	Max Marks = 200
3.1.1	Video Conferencing Certified Engineer		50
3.1.2	Certified Hardware Experts (25 Marks Each)		50
3.1.3	Certified IP Telephony Engineer / Expert		50
3.1.4	Certified Firewall Engineer		50
Section 4 Relevant Experience			

4.1	Authorized Partner of Products Offered		Max 50 Marks Server OEM Partner : 15 Firewall OEM Partner: 15 IP Telephony OEM Partner: 10 Video Conferencing OEM Partner: 10
4.2	Projects of Hardware Supplies.		Max 50 Marks 1-2 Project of More than 20 Million 50Marks 1-2 Project of More than 10 Million 20 Marks

Table 2: Technical Evaluation Criteria

3.1.22 Opening of Financial Bids by Purchaser

3.1.22.1 The Purchaser will open only those financial bids who have met the mandatory eligibility criteria in technical evaluation specified in para 3.1.4 and 3.1.5 and scored at least 85% in the technical evaluation criteria detailed in Table 2.

3.1.22.2 Financial Bids shall be opened one at a time, reading out, the name of the Bidder; the bid price; the presence or absence of a bid security; the presence or absence of requisite powers of attorney; and any other such details as the Purchaser may consider appropriate, in the presence of qualified bidders' representatives who choose to attend, at the time, on the date and at the place, communicated to qualified bidders well in advance.Bidders' representatives shall sign a register as proof of their attendance.

3.1.22.3 Financial Bids of Bidders who have not scored the requisite 85% in technical evaluation would not be opened and shall not be considered for further evaluation, irrespective of the circumstances.

3.1.23 Clarification of Bids

3.1.23.1 During the bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

3.1.24 Preliminary Examination of Financial Bids

3.1.24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

3.1.24.2 Arithmetical errors shall be subject to rectification by the Purchaser. If a Bidder does not accept the correction of errors, its bid will be rejected and its bid security may be forfeited.

3.1.24.3 The Purchaser 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.

3.1.24.4 Prior to the detailed evaluation, the Purchaser will determine whether each bid is of acceptable quality, is complete, and is substantially responsive. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions, and specifications without material deviations, exceptions, objections, conditions, or reservations. A material deviation, exception, objection, conditionality, or reservation is one:

1. that limits in any substantial way the scope, quality, or performance of the proposed solution; or

2. that limits, in any substantial way that is inconsistent with the BIDDING DOCUMENT, the Purchaser's rights or the successful Bidder's obligations under the Contract; and

3. that the acceptance of which would unfairly affect the competitive position of other Bidders who have submitted substantially responsive bids.

3.1.24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity. The Purchaser's determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the Bidder.

3.1.25 Evaluation and Comparison of Financial Bids

3.1.25.1 Bidders who have been technically qualified on the basis of the mandatory requirement shall be eligible for a detailed evaluation.

3.1.25.2 The Purchaser will evaluate and compare the bids that have been determined to be substantially responsive.

3.1.26 Contacting the Purchaser

3.1.26.1 From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing to the Point of Contact mentioned in clause 1.9

3.1.26.2 If a Bidder tries to directly influence the Purchaser or interfere in the bid evaluation process or influence the Contract Award Decision, its bid will be rejected and the Bidder may be blacklisted and barred for participating in future Government of Sindh tenders.

Post Evaluation and Award of Contract

3.1.27 Post Evaluation

3.1.27.1 The Purchaser will determine at its own cost and to its satisfaction whether the Bidder that is selected as having submitted the Lowest Evaluated Bid is qualified to perform the Contract satisfactorily.

3.1.27.2 The Purchaser will evaluate the Bidder's financial, technical, design, integration, customization, production, management, and support capabilities and an examination of the documentary evidence of the Bidder's qualifications, as well as other information the Purchaser deems necessary and appropriate. This may include visits or interviews with the Bidder's clients referenced in its bids, site inspections, and any other measures.

3.1.27.3 An affirmative post-evaluated determination will be a prerequisite for award of the Contract to the evaluated Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next Lowest Evaluated Bidder to make a similar determination of that Bidder's capabilities to perform satisfactorily.

3.1.28 Award Criteria

3.1.28.1 The Purchaser will evaluate and award the Contract to the Bidder whose bid has been determined to be substantially responsive and the Best Evaluated Bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

3.1.29 Purchaser's Right to Accept Any Bid and to Reject Any or All Bids

3.1.29.1 The Purchaser reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

3.1.30 Notification of Award

3.1.30.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter that its bid has been accepted.

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

3.1.30.3 Upon the successful Bidder's furnishing of the signed Contract Form and a performance security, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security.

3.1.31 Signing of Contract

3.1.31.1 At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Form, incorporating all agreements between the parties.

3.1.31.2 As soon as practically possible, but no more than seven (7) calendar days following receipt of the Contract Form, the successful Bidder shall sign and date the Contract Form and return it to the Purchaser.

3.1.31.3 The Purchaser and successful Bidder may also agree to meet to finalize the Contract Agreement.

4 TERMS AND CONDITIONS

Inspection and Tests

4.1.1 Right to Inspect

4.1.1.1 Purchaser or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications. The conditions of the Contract and /or the Technical Specifications shall specify what inspections and tests Purchaser requires and where they are to be conducted. Purchaser shall notify the Bidderin writing of the identity of any representatives entrusted for this purpose.

4.1.1.2 Should any inspected or tested goods fail to conform to the specifications, Purchaser may reject them and the Biddershall either replace the rejected goods or make alterations necessary to meet specification requirements free of cost to Purchaser.

4.1.1.3 Purchaser's right to inspect, test and where necessary, reject the goods after arrival in Pakistan shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Purchaser or its representative prior to the good's shipment from the country of origin.

4.1.2 Acceptance Testing

4.1.2.1 The Biddershall offer the systems for provisional acceptance testing as soon as the works are ready for commissioning. The Biddershall provide the supervisory personnel and equipment necessary to make proof of performance test as required in the specifications and as approved by Purchaser.

4.1.2.2 Failure to meet such tests or any test required by Purchaser to show compliance with the specifications shall be sufficient cause for rejection and such test or tests shall be repeated after modifications or replacements as deemed necessary by Purchaser.

4.1.2.3 If performance is found to be marginal or that the results of any phase of the tests are inconclusive, further testing shall be performed as required by Purchaser. Any such re-work or re-testing shall be at the cost of Consultant.

4.1.3 Acceptance Testing Requirements

4.1.3.1 Acceptance testing of the equipment, apparatus, Hardware and Software tools as well as software etc. shall be done by Purchaser under supervision of the Consultant. The Bidderwill supply the necessary testing equipment/ gear at his cost.

4.1.3.2 Within fifteen (15) calendar days of signing the Contract, the Biddershall submit a detailed Acceptance Test Plan to Purchaser for approval. The Acceptance Test Plan shall at a minimum define test environment, test methodology, test equipment and tools, and test procedures including test cases and scenarios. Purchaser and or Program Biddershall have the right to modify and change the Acceptance Test Plan. The Parties agree that the approved Acceptance Test Plan shall be incorporated as part of this Contract through amendment provision of this Contract.

4.1.3.3 At least ten (10) calendar days before offering the systems for acceptance testing the Biddershall finalize the Acceptance Test Plan incorporating any changes since the prior approved Acceptance Test Plan. Purchaser may approve the changes as proposed, or after such modifications as are deemed necessary for proof of performance.

4.1.3.4 Upon satisfactory conduct and successful completion of the acceptance tests proving that the systems are ready for commissioning and their performance complies with the specifications laid down in the bidding documents, and that the training has been completed as required from the Consultant, Purchasershall provide the Bidderwith an Acceptance Certificate.

4.1.3.5 The mere conduct and completion of acceptance tests shall not constitute acceptance of the systems and issuance of Acceptance Certificate. If any part of the acceptance tests fails or performance is found to be marginal or that the results of any phase of the tests are inconclusive, further testing shall be performed as required by Purchaser. Any such re-work or re-testing shall be at the cost of the Consultant.

4.1.4 Removal of Defects

4.1.4.1 The Biddershall make good with all possible speed all defects arising from defective design, material or workmanship or from any act of omission of the Bidder and those which may develop under the condition provided for by the Bidder and under proper use of the plant or any portion at his own expense.

4.1.4.2 In the event of stores being found defective in the light of above clause, the Bidder shall replace the defective stores free of cost at consignee's end within forty-five (45) days from the date of reporting of the defect, failing which the cost of the same will be refunded by the Bidder to the Purchaser.

Payment Terms

4.1.4.3 The payment terms shall be as follows:

S. No.	Payment Milestone Description
1	

Table 3: Payment Terms

4.1.4.4 The payments shall be processed upon presentation of the following documents by the Bidder/Consultant:

a) Agreement with D.I.G L&T Karachi with Scope and BOQ Defined in this tender.

4.1.4.5 Payments shall be made promptly by Purchaser within thirty (30) days of submission of an invoice/claim by the Bidder supported with necessary documents.

4.1.4.6 All payment will be made in Pakistan Rupees.

Withholding Tax

4.1.4.7 The Bidders are hereby informed that the Purchaser shall deduct tax as prescribed under the tax laws of Pakistan, from all payments for services rendered by any Bidder who signs a Contract with the Purchaser.

Support and Warranties

4.1.4.8 The Bidders should mention the warranties they propose for products and services to be rendered.

4.1.4.9 The Bidder shall provide warranty, support and maintenance and will keep sufficient stocks of spare parts & cards to ensure smooth operations.

Governing Law

4.1.4.10 This BIDDING DOCUMENT and any Contract executed pursuant to this BIDDING DOCUMENTshall be governed by and construed in accordance with the

laws of Pakistan. The Government of Pakistan and all Bidders responding to this BIDDING DOCUMENT and parties to any Contract executed pursuant to this BIDDING DOCUMENT shall submit to the exclusive jurisdiction of the Pakistani Courts.

Consultant's Negligence

4.1.4.11 The Biddershall indemnify Purchaser in respect of all injury or damage to any person or to any property and against all actions, suits, claims, demands, charges and expenses arising in connection herewith which shall be occasioned by the negligence or breach of statutory duty of the Consultant, any sub-Bidderbefore whole of the project has been finally accepted.

Delays in Performance

4.1.4.12 Delivery of the goods shall be made by the Bidderin accordance with the time schedule specified in the Contract.

4.1.4.13 Delay by the Bidderin performance of its delivery/project completion obligations shall render the Bidderliable to any or all of the penalties including but not limited to liquidate damages, the Biddershall promptly notify Purchaser in writing of the fact of the delay, its likely duration and its causes(s). As soon as practicable after receipt of the Consultant's notice, Purchaser shall evaluate the situation and may at its discretion extend the Consultant's time for performance in which case the extension shall be ratified by the parties by amendment of the Contract.

Consultant's Default

4.1.4.14 If the Consultantneglects to perform the Contract with due diligence and expedition or refuses/or neglects to comply with any reasonable orders given to him in writing by Purchaser or any of his authorized representative in connection with the performance of the Contract or shall contravene the provision of the Contract, Purchaser may give notice in writing to the Bidderto make good the failure, neglect or contravention complained of.

4.1.4.15 Should the Bidderfail to comply with the said notice, with a reasonable time from the date of service thereof, it shall be lawful for Purchaser to terminate forthwith the Contract by notice in writing to the Bidderwithout prejudice to any rights which may have accrued under the Contract to either party prior to such termination

4.1.4.16 If the Bidderfails to complete any of his obligations under the paragraph titled "DEFECTS REMOVAL" within the time granted by Purchaser under "FORCE MAJEURE" and Purchaser shall have suffered any loss from such failure, Purchasermay be entitled to deduct from the Contract price at the rate of up to a halfper cent (1/2 %) of the individual delayed part/item/service which cannot in consequence of the said failure be put to the use intended for such work for each week between the time fixed in the Agreement (except as aforesaid) and the actual

date of completion, subject to a maximum deduction of 5% of the value of the Contract.

4.1.4.17 The Biddershall submit the following reports to Purchaser on a quarterly basis, which should be submitted as a supporting document for recurring payment claims;

a) Routine visit report
b) Fault calls reports.
c) Rectification Report.
d) List of replacement / repair of parts.

4.1.4.18 The Biddershall provide full support during and after the warranty period including the technical support with reporting time, hardware and spare parts as well as components replacement in case of failure and upgrade of new firmware and patches as in Table4 below.

4.1.4.19 Table 4 below defines the Service Level Agreement (SLA) that the Bidderhas to adhere to. The SLA is drafted categorizing the incidents as follows:

a) Severity 1 (Red) — Operations are "down" due to a very critical or total hardware or its component failure and which has a critical impact to the operations.

b) Severity 2 (Orange) — Operations of any of the segment are down, severely degraded, or significant aspects of operations are negatively affected by hardware/firmware/software failure or inadequate performance of the products. The setup or its component or the subjected component is running on backup system in a compromised status.

c) Severity 3 (Green) — Operational performance of the supplied system(s) is compromised while most business operations remain functional. Information or assistance is required with the supplier/manufacturer of product capabilities, installation, or configuration. There is little or no effect on your business operations.

RED (Severity 1)	**ORANGE (Severity 2)**	**GREEN (Severity 3)**
Reporting Time: On-Site 24 hours x 7 days	Reporting Time: Within 6 hours 8 hours x 6 days	Reporting Time: Within 24 hours
• Analyse, troubleshoot, repair, replace and provision of backup hardware component within 24 hours. • In case of failure of full equipment replacement or provision of backup unit within 24 hours by on site certified engineer. • 24-hour a day local	• Analyse, troubleshoot, repair, replace and provision of backup hardware component within 48 hours. • In case of full equipment failure replacement or provision of backup unit by certified engineer within one week of the fault reported. • Registered login to	• Analyse, troubleshoot, provide technical help on phone or visit the site within 24 hour. • If diagnosed a component or the unit as faulty repair, replace and/or provision of backup hardware component or full equipment within 3 weeks of the fault reported. • All firmware/software updates and upgrades

support from supplier and international support from expert technicians via internet or phone/fax till the problem is completely resolved or backup is provided and restored. • Claim of Advance replacement from the principal of hardware to be placed for components or for the whole equipment by an onsite certified engineer. • Technical assistance via manufacturer website or on telephone if supplier is unable to resolve the issue within 24 hours.	online tools in case of severity level. • Claim of Advance replacement from the principal of hardware to be placed for components or for the whole equipment by an onsite certified engineer. • Technical assistance via manufacturer website or on telephone if supplier is unable to resolve the issue.	within 3 weeks to fix this issue or on purchaser request

Table 4: SLA

4.1.4.20 In case the Bidderfails to comply with the committed SLA, it would be entirely the Purchaser's prerogative to impose penalties upto double of the cost of the faulty equipment & to forfeiture of the remaining amount of Performance Guarantee, whichever is more and claim the amount against the Performance Guarantee.

Operations Support

4.1.4.21 The Bidder shall be responsible for Operations Support of the Printer supplied systemat locations, as per the following requirements:

a) The Bidder shall completely operate the system for one (1) year from the date of commissioning of the system

b) The engineering staff shall provide support for all systems and take care of any faults

c) A senior Supervisor/Manager shall be available as a single point of contact for the Purchaser's staff

d) Support staff shall be available such that they are able to provide support at the Customer Centres within the same day on working days during working hours.

e) The Bidder shall clearly indicate in the proposal the number of staff which will be employed by the Bidder to operate the system for one year including their qualifications, roles and responsibilities. All cost associated with system operation

shall be separately indicated in the bid. The Bidder shall also clearly indicate the staff or support required from Purchaser for assistance in operation if any.

Force Majeure

4.1.4.22 If either party is temporarily rendered unable, wholly or in part by Force Majeure to perform its duties or accept performance by the other party under the Contract it is agreed that on such party, giving notice with full particulars in writing of such Force Majeure to the other party within 14 (fourteen) days after the occurrence of the cause relied on, then the duties, of such party as far as they are affected by such Force Majeure shall be suspended during the continuance of any inability so caused but for no longer period and such cause shall as far as possible be removed with all reasonable speed. Neither party shall be responsible for delay caused by Force Majeure. The terms "Force Majeure" as used herein shall mean Acts of God, strikes, lockouts or other industrial disturbance, act of public enemy, war, blockages, insurrections, riots, epidemics, landslides, earthquakes, fires, storms, lightning, flood, washouts, civil disturbances, explosion, Governmental Export/Import Restrictions (to be supported by a letter from the relevant Authority and verified by the Diplomatic Mission in Pakistan), Government actions/restrictions due to economic and financial hardships, change of priorities and any other causes similar to the kind herein enumerated or of equivalent effect, not within the control of either party and which by the exercise of due care and diligence either party is unable to overcome. The terms of this Contract shall be extended for such period of time as may be necessary to complete the work which might have been accomplished but for such suspension. If either party is permanently prevented wholly or in part by Force Majeure for period exceeding 4 (four) months from performing or accepting performance, the party concerned shall have the right to terminate this Contract immediately giving notice with full particulars for such Force Majeure in writing to the other party, and in such event, the other party shall be entitled to compensation for an amount to be fixed by negotiations and mutual agreement.

4.1.4.23 If a Force Majeure situation arises, the Bidder shall promptly notify Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by Purchaser in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practicable, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

5 CONDITIONS OF CONTRACT

Applicable Laws

The Contract shall be interpreted in accordance with the laws of Pakistan. The Bidder shall respect the provisions contained in applicable statutory notifications.

Export and Import Licenses

The Bidder shall be responsible for obtaining export/import licenses as required.

All shipments, supply of stores are subject to obtaining the necessary export permissions from the country of origin/shipment. The Supplier shall abide by all export regulations. The Supplier will facilitate the process of obtaining the export permissions on behalf of the Purchaser but shall not be responsible for successfully obtaining the requisite permissions.

Taxes and Duties

The Bidder or his agent shall be entirely responsible for all taxes and levies including General Sales Tax (GST), Stamp Duty, Withholding Tax, Custom Duties, license fees, etc. incurred or accrued until the final delivery of the goods and services. However, any taxes and levies imposed after the date of submission of bid would not be the responsibility of the Bidder and would be adjusted for in the Contract Value.

Stamp Duty

The Bidder would be responsible for paying the Stamp Duty in the amount of 0.3% of the Total Value of the Contract at the time of signing the Contract.

Contract Language

The Contract shall be written in the English language. All literature, correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

Notices

Any notice given by one party to the other pursuant to this Contract shall be sent in writing or by fax (copy by email) and confirmed in writing to the address specified for the purpose in the conditions of Contract.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

Correspondence

The Bidder shall not indulge into correspondence with unconcerned offices and organizations within or outside Purchaser's domain prior to the award of the Contract or later. The authorized address in this connection is stated in clause 1.9.

5.1.1 Cover Letter

All technical proposals must include a cover letter signed by an individual legally authorized to bind the bidder to both its technical proposal and commercial proposal. The cover letter is not intended to be a summary of the proposal itself. The cover letter must contain the following statements and information:

1 "Proposal and cost schedule shall be valid and binding for Ninety (90) days following proposal due date and will become part of the contract that is negotiated."
2 Company name, address, and telephone number of the firm submitting the proposal.
3 Name, title, address, and telephone number of the person, or persons, to contact who are authorized to represent the firm and to whom correspondence should be directed.
4 Proposals must state the bidder's National Taxpayer Numbers & General Sales Tax.
5 We have completed and attached the following documents as per the specimen provided:
    a) Affidavit
    b) Integrity Pact
6 Please list all addenda received, including date received.

5.1.2 Cover Letter - Specimen

To:
DIG L&T
Clifton Driving License Branch
Karachi.

Subject: **Technical Bid**

Dear Sir,

Having examined the Bidding Documents for the "Supply, Installation & Support for Hardware, Video Conferencing, IP Telephony for Sindh Driving License Branches" including the Specifications, the receipt of which is hereby duly acknowledged, we the undersigned, offer to supply, deliver, install, test, implement and commission into service in conformity with the said Bidding Documents, including Addenda Nos. (Insert Numbers), for the price submitted in our Financial Bid for the detailed BoQ submitted in our technical bid.

We undertake, if our Bid is accepted, to complete delivery, installation and commissioning of all the items as specified in the Contract within (Number) weeks calculated from the signing date of Contract in accordance with the Contract Execution Schedule provided in the Conditions of Contract.

We agree to abide by this Bid for the period of 90 (Ninety) days from the date fixed according to the relevant Clause of the instruction to Bidders, and it shall remain binding upon us and shall be accepted at any time before the expiration of that period or any period for which the bid validity and bid bond validity has been extended.

We hereby appoint the following individual/s as point of contact who is duly authorized to represent our firm:

Name: _____
Title: _____
Address: _____
Phone: _____
E-Mail: _____

Our NTN Number is _____ our Sales Tax Registration Number is _____& Sindh Revenue Board Tax Number is _____.

We have completed and attached the following documents along with our bid as per the specimen provided:

Affidavit
Integrity Pact

If our bid is accepted, we undertake and agree as follows:

a. That unless and until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Award, shall constitute a binding Contract between us as if the Contract has been executed.

To execute the Contract for the supply, installation, implementation, commissioning and completing the obligations under the Contract in accordance with the terms of the Contract form and conditions. The Contract may be altered or added to in such a manner as you require for the purpose of adopting it to the circumstances of this tender.
We will provide an Advance Payment Guarantee and a Performance Security in the form and in the amounts, as agreed in pursuance of this Contract.
We understand that you are not bound to accept the lowest bid or any Bid that you may receive.

Dated this _____ day of _____ 2017.

(_____)
Signatures
(_____)
In the capacity of

Duly authorized to sign bid for and on behalf of (_____)

(COMPANY SEAL)

(_____)
(Signature of Witness)
Witness Address: _____

5.1.3 Specimen of Affidavit

(To be printed on Rs. 100/- Stamp Paper)

From: _____

_____

_____

To:

Subject: Affidavit

We, M/S_____ having our office at _____ hereby undertake that as a result of contract between us and your organization for the project "--------,"if any conflict / dispute arises regarding the execution of work, we shall not resort to any court of law. The dispute / difference, if any, shall be settled as per relevant clauses of the tender document.

We, M/S _____ further undertake that we are not involved in any litigation and have never been black listed by any organization in Pakistan.

We, M/S _____ hereby certify that all software offered by us in our bid is either covered by a valid license or was produced by us and we understand that violations of Software Copyrights are considered fraud, which is, among other remedies, punishable by potential blacklisting from participation in any future government procurements.

We, M/S _____ further certify that all equipment offered by us in our bid is brand new and would be procured through proper channels and we understand that attempts to offer used, re-furbished or grey channel equipment would be considered fraud, which is, among other remedies, punishable by potential blacklisting from participation in any future government procurements.

Authorized Signature

M/S_____

_____

_____

Dated_____

(Company's Seal)

5.1.4 Specimen of Integrity Pact

(To be printed on Rs. 100/- Stamp Paper)

INTEGRITY PACT FOR

Project Name:"Supply, Installation & Support for Hardware, Video Conferencing, IP telephony for Sindh Driving License Branches"

"

Bid Date: _____

{Name of Bidders}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 Sindh (GoS) or any administrative sub division or agency thereof or any other entity owned or controlled by GoS through any corrupt business practice.

Without limiting the generality of the foregoing {Name of Bidders}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 anyone within or outside Pakistan either 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 including the procurement of a contract, right, interest, privilege, or other obligation or benefit in whatsoever form from Government of Sindh (GoS) that has been expressly declared pursuant hereto.

{Name of Bidders}certify that it has made and will make full disclosure of all agreements and arrangement with all persons in respect of or related to the transaction with GoS and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

{Name of Bidders}accepts full responsibility and strict liability for making any false declaration, not making full discloser, 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, other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoS under any law, contract or other instrument, be void able at the option of GoS.

Notwithstanding any right and remedies exercised by GoS in this regard, {Name of Bidders}agrees to indemnify GoS for any loss or damage incurred by it on account of its corrupt business practices, and further pay compensation to GoS in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by {Name of Bidders}as aforesaid for the purpose of obtaining or inducting the procurement of any contract, right interest privilege or other obligation or benefit in whatsoever form GoS.

Stamp & Signatures

5.1.5 Table of Contents

The bidder shall build an appropriate table of contents for the proposal.

5.1.6 Executive Summary

The executive summary should summarize your proposal and your firm's qualifications. Additionally, you may summarize at your discretion to articulate why your firm is pursuing this work and how it is uniquely qualified to perform it. Your proposal summary is not to exceed five (5) pages.

5.1.7 Bidder Information

1. Please provide information about your company using the following format

Name of Company	
Length of time in business (Please attach Certificate of Incorporation/Partnership Registration Certificate/Firm Registration Certificate and NTN Certificate, GST, PST)	
Length of time in ICT Systems Integration & Card Printing Business	
Firm Head Office Address, Telephone Number and Fax Number	
Address, Telephone Number and Fax Number of Branch Office servicing this account (if different from above)	
Number and Locations of Firms Offices	
Turnover for Last Fiscal Year (Please attach the audited financial statements or annual report for your company for the last three (3) years.)	
Was the firm profitable in the Last Two Fiscal Years?	
Percentage of gross revenue generated by business of proposed systems	
Name of Partners/Directors of the Firm	
Name of Key Management Personnel of the Company (Attach Brief CV's)	

Number of Full Time Relevant Technical Resources. (Please attach detailed CV's/resumes signed by each individual certifying that the individual has been in full time employment of the firm for at least one full year prior to submitting the bid.)	
Number of full time personnel in:	
Does the firm have Quality Management System implemented and is ISO 9001 Certified in its line of business. (Please attach ISO 9001 Certificate)	

5.1.8 Project References

Customer/client name	
Reference contact name	
Title	
Phone number	
Mailing address	
Fax number	
Customer Size (number of nodes/users)	
Brief Description of Project (please provide scope of work in terms of functional objective of systems and services delivered)	
Hardware and Software products/components used	
Services Provided	
Project Team Size	
Budget (cost of services provided)	
Project Duration	
Project Completed within time and budget	

5.1.9 Proposed Project Team

1. Please provide a proposed organization chart for the project.

2. Please use the following format to identify all proposed key project staff (including sub-Consultants) who will be assigned to the project. This must include all the Key Positions such as Project Manager, Technical Team Leaders, Design Engineer, Implementation Manager, Training Manager, etc.

S. No.	Staff Member Name	Title	Project Position

3. Using the format below, please provide details for each of the **key project staff members**. At a minimum, "key staff" must include your proposed project manager, implementation managerand technical leads listed in item 2 above.

Bidder name	
Staff member name	
Position in the company	
Education & Certifications	
Project position and responsibilities	
Relevant previous work experience	
Technical skills and qualifications for the project position	

S No	DESCRIPTION OF DOCUMENTATION	QTY
1		
2		
3		
4		
5		
6		
7		
8		
9		
10	Add more lines as needed	

5.1.10 Warranty, Support and Maintenance

Using the format below, please provide information about warranty and support proposed for the project.

1. Please describe the warranty and support services proposed for the project.

2. Please complete the following table:

Is help desk support available for your existing Clients?	
When is support available? (indicate XX AM – XX PM, in PST and days of the week)	
How are charges for support structured (e.g., flat-fee or per incident) for existing clients? If varies from Client to Client – Propose to Purchaser	
Do you provide on-site support?	
Are hot spares kept on site? If not, where are they kept?	
Generally what levels of spares are available? (please define with reference to major items)	

3. Please describe your problem escalation process, including:
☐ Initial problem identification (hand-off from help desk)
☐ Triage for priority and severity of problem
☐ Steps for resolving problem escalation when a solution is not forthcoming or an implemented solution is unsatisfactory
☐ Final authority regarding conflicts

4. Indicate your response time and goal and also your statistics regarding meeting that goal.

5. Is installation assistance provided for hardware and/or firmware updates?
6. How long will you continue to support the proposed system if upgrades are not implemented? How is this ensured? Attach evidence from the product vendor.
7. How would you support secure remote administration for thesystem?
9. As an attachment to your proposal, include a copy of your standard warranty, support and maintenance service contract(s) for review.

5.1.11 Project Plan

Please provide a project plan that includes:

A Gantt chart showing duration of the project and all tasks, with estimated beginning and end dates for each.

A brief description of each task, its dependencies and predecessors.

A description of each proposed deliverable.

You may include additional items in your project plan to demonstrate your understanding of the project and its implementation. The plan should adhere to the timeline specified in the BIDDING DOCUMENT. If your project plan deviates from that timeline, please include an explanation.

GANTT CHART

Use this section to include your Gantt chart showing project duration with projected start and end dates of all tasks.

TASK DESCRIPTIONS

Use this section to include brief descriptions of all tasks, milestones and associated work products.

DEPENDENCIES

Use this section to include a list of dependencies for each task.

PREDECESSOR

Use this section to list the predecessors for each work breakdown structure of the project.

DELIVERABLES

Use this section to include brief description of all project deliverables.

COMISSIONING PLAN

Use this section to describe the Commissioning plan

5.1.12 Essentially Required Attachments

The following attachments are to be included with the proposal.

DESCRIPTION OF ATTACHMENTS
1. Audited reports of last three (3) years of the primary bidder and all sub-Consultants/consortium partners. Bank Statement or other documentary evidence of Liquid Assets.
2. Authorized dealer, distributor, channel partner, etc. certificate for products being proposed.
3. Full product support certificate from the product vendor.
4. Draft contract for warranty (Pricing shall be given with the commercial proposal)
5. Draft contract on the basis of 24x7x365 for support and services on yearly basis
6. Recommended list of spares as per the desired SLA
7. A written confirmation that the bidder shall accept the responsibility for the successful integration and inter-operability of all components of the System as required by the Bidding Documents.
8. All required documents as reflected in the BIDDING DOCUMENT.

5.1.13 Proposed Solution and Compliance Statement

Using the format below, please present your proposed solution.
1. Please provide an overview of your proposed solution. Highlight all pertinent information and key features in your description.
2. Provide a compliance statement for requirement of BIDDING DOCUMENT and BoQ. Compliance Statement shall be marked FC = Fully Compliant, PC = Partially Compliant or NC = Non Compliant
3. Please list the components (hardware components, peripherals, modules, additional plug-ins and software licenses) you are proposing as part of your solution. (Add more lines where necessary.)

	Description	Quantity/ Licenses	Proposed Solution (Vendor/ Product/Model)	Compliance (FC/PC/NC)	Remarks

Please NOTE: In addition to the documents required above, the Bidder shall submit any documentary evidence it deems necessary to establish the strength of its proposal to the Purchaser.

Commercial Proposal

The technical proposal shall be prepared to include the following sections.

a. Bid Form
b. Bid Security
c. Price Schedules

5.1.14 Bid Form - Specimen

All commercial proposals must include a bid form signed by an individual legally authorized to bind the bidder to both its technical proposal and commercial proposal. Any exceptions to the Terms and Conditions stated in the Bidding Documents should be attached as an attachment to the Bid Form.

To:
DIG License & Training
Karachi.

Subject: **Commercial Bid**

Dear Sir,

Having examined the Bidding Documents for the "Supply, Installation & Support for Hardware, Video Conferencing, IP Telephony for Sindh Driving License Branches" including the Specifications, the receipt of which is hereby duly acknowledged, we the undersigned, offer to supply, deliver, install, test, implement and commission into service on Turnkey basis in conformity with the said Bidding Documents, including Addenda Nos. (Insert Numbers), for the sum of (Total Bid Amount in words and figures). And any other sums as may be ascertained in accordance with the Price Schedules attached hereto and made part of this Bid.

We undertake, if our Bid is accepted, to complete delivery, installation and commissioning of all the items as specified in the Contract within (Number) weeks calculated from the signing date of Contract in accordance with the Contract Execution Schedule provided in the Conditions of Contract.

We agree to abide by this Bid for the period of 90 (Ninety) days from the date fixed according to the relevant Clause of the instruction to Bidders, and it shall remain binding upon us and shall be accepted at any time before the expiration of that period or any period for which the bid validity and bid bond validity has been extended.

If our bid is accepted, we undertake and agree as follows:

That unless and until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Award, shall constitute a binding Contract between us as if the Contract has been executed.

To execute the Contract for the supply, installation, implementation, commissioning and completing the obligations under the Contract in accordance with the terms of the Contract form and conditions. The Contract may be altered or added to in such a manner as you require for the purpose of adopting it to the circumstances of this tender.

We will provide an Advance Payment Guarantee and a Performance Security in the form and in the amounts, as agreed in pursuance of this Contract.

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

Dated this _____ day of _____ 2017.

(_____)
Signatures
(_____)
In the capacity of

Duly authorized to sign bid for and on behalf of (_____)

(COMPANY SEAL)

(_____)
(Signature of Witness)
Witness Address: _____

5.1.15 Bid Security

1. A bid security is required to be submitted with the commercial proposal. The amount of bid security required is two percent (2%) of the Total Bid Price. This bid security is to be submitted in the form of Demand Draft or Pay Order in favour of Purchaser. The Bid security shall be in Pak Rupees & from a scheduled bank in Pakistan.

2. Bid security must be valid twenty-eight (28) days after the end of the bid validity period. Accordingly, a bid with a bid security that expires before twenty-eight (28) days after the end of the bid validity period shall be rejected as non-responsive.

3. The successful Bidder will be required to keep his bid security valid till the agreement is signed with the Purchaser for the execution of the project.

4. The bid security may be forfeited; if a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form.

5. In the case of successful Bidder, if the Bidder fails to sign the Contract in accordance with relevant clauses, the bid security will be forfeited.

5.1.16 Price Schedules

Price Schedule for Products and Services Included in the Total Bid Price to be provided as per the following template:Sr.#

Sr. No.	Item	Description	Qty	Unit Price	Total Price
1	Server	Server should be 2U height with Intel® C610 Series Chipset Chipset, 2 x E5-2650v4 or higher processor 512GB scalable to at least upto 768GB, using DDR4 Load Reduced DIMM (LRDIMM) memory modules, Advanced ECC with multi-bit error protection and memory online spare mode, 6 x 1.8TB 12G SAS 10K rpm SFF 2.5-inch Support upto Up to 24+2 SFF/12+3 LFF max, HDD/SSD, Server should support one of below RAID controller without consuming PCIe slot Embedded 6Gb/s SATA controller RAID controller with RAID 0/1/10/5, or PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 2GB battery backed write cache (onboard or in a PCI Express slot), Server should support networking cards with below features: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ. 2. 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ. 3. 10Gb 2-port Adapter providing Ethernet and iSCSI or Fibre Channel Over Ethernet (FCoE) connectivity using Converged Enhanced Ethernet (CEE) standards. This adaptor should support Hardware acceleration and offloads for stateless TCP/IP, TCP Offload Engine (TOE), Fibre Channel over Ethernet (FCoE), Jumbo frames and iSCSI. 4. 10Gb 2-port provide up to 40Gb bi-directional bandwidth, Converges FCoE or RoCE with LAN traffic on a single 10 GbE wire, Tunnel Offload support for VXLAN and NVGRE, RDMA over Converged Ethernet (RoCE) ,	2		
2	Firewall	Supply and Installation of Firewall having 4x 800 MHz or higher, Dual fan, Memory: 2 GB, System Flash: 1.9 GB or higher, 300 Mbps or higher	1		

		full DPI, Application inspection throughput & IPS 700 Mbps or higher, Anti-malware inspection throughput 400 Mbps or higher, IMIX throughput 600 Mbps or higher, SSL Inspection and Decryption 200 Mbps or higher, VPN throughput 1.1 Gbps or higher, Connections per second 15,0000 or higher, Maximum connections (DPI) 125,000 or higher, Single Sign On(SSO) Users 30,000 or higher, VLAN Interface 250 or higher, 1 GbE Copper interfaces 8 or higher, 1 or more 1GbE Copper Management interfaces, Expansion Slots USB & SD			
3	Biometric Device	Supply of Biometric Fingerprint Scanner Device, Connection type USB 2.0 Supported OS:Microsoft Windows (32 bit & 64 bit), Resolution 500 ppi, Image Control Area(Platen Size) 25x25 mm (1"x1") Fingerprint image size 500x500 pixel and sensor type Optical with SDK and integration with Driving License Software	40		
4	Thermal Printer	Thermal Printer with Direct Thermal Print, Paper Width : 79.5±0.5mm, Resolutin: 576dots/line or 572dots/line, Printing Speed: 300mm/sec, Interface: USB & Serial 19200,None,8,1,TCP/I; Printing Paper:79.5±0.5mm×φ83mm; Line Spacing: 3.75mm; Column Number: 80mm paper:FontA-42 olumns or 48 olumns/FontB-56columns or 64columns/Simplified Chinese, traditional Chinese-21columns or 24columns; Character Size: ANK,FontA:12×24dots,FontB:9×17dotsSimplified Chinese,traditional Chinese:24×24dots; BarCodeTypes:UPC-A/UPC-E/JAN13（EAN13）/JAN8（EAN8）/ CODE39/ITF/CODABAR/CODE93/CODE128; Input Buffer: 256k bytes; NV Flash: 128k bytes & with Auto cutter	15		
5	Token Dispenser	Equipped with 10" Android Tab and Wireless Thermal Printer in smart design stand	4		
6	Token Display Unit	Wired & Wireless capable Token Display Units	30		
7	Dome Camera	2.1 Megapixel full HD, Image Sensor 6.4 mm (1/2.8 Type) CMOS Mount Type / Lens 4 mm F2.0, Min. Illumination Colour: 0.07 lux @F2.0 (1/30 sec, 50 IRE) B/W : 0 lux @ IR LED on Day / Night ICR (Auto / Day / Night) WDR Digital (Dynamic Range Enhancer) IR LEDs 14 IR Distance 20 m, Focus Manual, Image Enhancement Mirror / V-Flip / BLC / DRE / AGC / Brightness / White balance / DNR / Color saturation / Sharpness / Privacy mask Video Compression H.264 (High profile supported)	12		

		/ MJPE Max. Resolution 1920 x 1080 / 1280 x 720 / D1 (704 x 480) / CIF (352 x 240), Max. Frame Rate 30 fps @ 1920 x 1080 Video Analytics Motion detection, Tampering detection Ethernet RJ-45 10/100BASE-T, Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X Protocol IPv4/6 - TCP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, UPnP IPv4 - FTP, SMTP, NTP, ARP, SNMPv1/v2c/v3, DDNS, Power Source DC12V / PoE			
8	Outdoor Bullet Camera	2 Megapixel Outdoor Bullet Camera Image Sensor 6.4 mm (1/2.8 Type) CMOS Mount Type / Lens 4 mm F2.0, Min. Illumination Colour: 0.05 lux @ F1.2 (1/30 sec, 50 IRE) B/W : 0 lux @ IR LED on Day / Night ICR (Auto / Day / Night) WDR Max. 108 dB, IR LEDs 32 IR Distance 30 m, Focus Auto, Image Enhancement Mirror / V-Flip / BLC / DRE / AGC / Brightness / White balance / DNR / Color saturation / Sharpness / Privacy mask ,Video Compression H.264 (High profile supported) / MJPE, Max. Resolution 1920 x 1080 / 1280 x 720 / D1 (704 x 480) / CIF (352 x 240), Max. Frame Rate 60 fps @ 1920 x 1080, Video Analytics Motion detection, Tampering detection Ethernet RJ-45 10/100BASE-T, Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X Protocol IPv4/6 - TCP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, UPnP IPv4 - FTP, SMTP, NTP, ARP, SNMPv1/v2c/v3, DDNS(LG) Power Source PoE / AC24V / DC12V	2		
9	Networking Job For CCTV	Networking laying for CCTV setup with Switch	2 Jobs		
10	Webcams	Supply of USB Camera with auto-focus lens and at least 18 MP Progressive Scan Sensor for Still Image capture. Should have a sensitivity of < 0.5 Lux. Shall be supplied with flexible gooseneck arm for easy camera control/adjustment. Should support USB 2.0 and be compatible with MS Windows 7	20		
11	Tablets	Tablet with 1.2GHz Quad core processor or higher, at least 10.1" (255.8 mm) TFT display, WIFI & GSM enabled	30		
12	Networking & Electrical Points	Data Cabling for end Users Comprising of Cat-6 UTP Cable, each set of One Face Plate with back box having single Cat-6 UTP I/O's and two multi power socket	40 Nodes		
13	IPBAX	Main chassis should be expandable upto 384 users or higher, with 34 ports for Analog extensions, 12 - Analog Trunks card to connect with telco Telephone lines and for GSM GATEWAYS, 10- Voice Channels for IP Phones, 06 Digital Ext. Ports, 6 Party Conferencing & Greetings / Auto Attendant (Enabled), with 1 Digital Operator Console Set, 1 x	1 Job		

		Executive, Digital Phone Sets & 30 CLI Branded Sets For Analog Users with 1 complete installation, networking & power ports and 1 year complete support.			
14	Video Conferencing Terminal	HUAWEI VP9050-1080p or better (3 years warranty) with 1 KVA UPS compatible with the Already installed HUAWEI TELEPRESENCE SYSTEM of Sindh Police (MCU Huawei VP9030)	03		
15	Maintenance & Support	Contractor should provide One year complete service and support of above Sr. # 1 to Sr. # 14.	1 Job		
				Total Bid Price	

5.1.17 Bill of Quantity Along with Detailed Technical Specification.

Sr. #	Item	Description	Qty
1	Server	Server should be 2U height with Intel® C610 Series Chipset Chipset, 2 x E5-2650v4 or higher processor 512GB scalable to at least upto 768GB, using DDR4 Load Reduced DIMM (LRDIMM) memory modules, Advanced ECC with multi-bit error protection and memory online spare mode, 6 x 1.8TB 12G SAS 10K rpm SFF 2.5-inch Support upto Up to 24+2 SFF/12+3 LFF max, HDD/SSD, Server should support one of below RAID controller without consuming PCIe slot Embedded 6Gb/s SATA controller RAID controller with RAID 0/1/10/5, or PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 2GB battery backed write cache (onboard or in a PCI Express slot), Server should support networking cards with below features: 1. 1Gb 4-port network adaptor supporting advanced features such as Large Send offload capability, TCP checksum and segmentation, VLAN tagging, MSI-X, Jumbo frames, IEEE 1588, and virtualization features such as VMware NetQueue and Microsoft VMQ. 2. 10Gb 2-port Ethernet adaptor supporting enterprise class features such as VLAN tagging, adaptive interrupt coalescing, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, PXE boot and virtualization features such as VMware NetQueue and Microsoft VMQ. 3. 10Gb 2-port Adapter providing Ethernet and iSCSI or Fibre Channel Over Ethernet (FCoE) connectivity using Converged Enhanced Ethernet (CEE) standards. This adaptor should support Hardware acceleration and offloads for stateless TCP/IP, TCP Offload Engine (TOE), Fibre Channel over Ethernet (FCoE), Jumbo frames and iSCSI. 4. 10Gb 2-port provide up to 40Gb bi-directional bandwidth, Converges FCoE or RoCE with LAN traffic on a single 10 GbE wire, Tunnel Offload	2

		support for VXLAN and NVGRE, RDMA over Converged Ethernet (RoCE)	
2	Firewall	Supply and Installation of Firewall having 4x 800 MHz or higher, Dual fan, Memory: 2 GB, System Flash: 1.9 GB or higher, 300 Mbps or higher full DPI, Application inspection throughput & IPS 700 Mbps or higher, Anti-malware inspection throughput 400 Mbps or higher, IMIX throughput 600 Mbps or higher, SSL Inspection and Decryption 200 Mbps or higher, VPN throughput 1.1 Gbps or higher, Connections per second 15,0000 or higher, Maximum connections (DPI) 125,000 or higher, Single Sign On(SSO) Users 30,000 or higher, VLAN Interface 250 or higher, 1 GbE Copper interfaces 8 or higher, 1 or more 1GbE Copper Management interfaces, Expansion Slots USB & SD	1
3	Biometric Device	Supply of Biometric Fingerprint Scanner Device, Connection type USB 2.0 Supported OS:Microsoft Windows (32 bit & 64 bit), Resolution 500 ppi, Image Control Area(Platen Size) 25x25 mm (1"x1") Fingerprint image size 500x500 pixel and sensor type Optical with SDK and integration with Driving License Software	40
4.	Thermal Printer	Thermal Printer with Direct Thermal Print, Paper Width : 79.5±0.5mm, Resolutin: 576dots/line or 572dots/line, Printing Speed: 300mm/sec, Interface: USB & Serial 19200,None,8,1,TCP/I; Printing Paper:79.5±0.5mm×φ83mm; Line Spacing: 3.75mm; Column Number: 80mm paper:FontA-42 olumns or 48 olumns/FontB-56columns or 64columns/Simplified Chinese, traditional Chinese-21columns or 24columns; Character Size: ANK,FontA:12×24dots,FontB:9×17dotsSimplified Chinese,traditional Chinese:24×24dots; BarCodeTypes:UPC-A/UPC-E/JAN13 (EAN13) /JAN8 (EAN8) / CODE39/ITF/CODABAR/CODE93/CODE128; Input Buffer: 256k bytes; NV Flash: 128k bytes & with Auto cutter	15
5	Token Dispenser	Equipped with 10" Android Tab and Wireless Thermal Printer in smart design stand	04
6	Token Display Units	Wired & Wireless capable Token Display Units	30
7.	Dome Camera	2.1 Megapixel full HD, Image Sensor 6.4 mm (1/2.8 Type) CMOS Mount Type / Lens 4 mm F2.0, Min. Illumination Colour: 0.07 lux @F2.0	12

		(1/30 sec, 50 IRE) B/W : 0 lux @ IR LED on Day / Night ICR (Auto / Day / Night) WDR Digital (Dynamic Range Enhancer) IR LEDs 14 IR Distance 20 m, Focus Manual, Image Enhancement Mirror / V-Flip / BLC / DRE / AGC / Brightness / White balance / DNR / Color saturation / Sharpness / Privacy mask Video Compression H.264 (High profile supported) / MJPE Max. Resolution 1920 x 1080 / 1280 x 720 / D1 (704 x 480) / CIF (352 x 240), Max. Frame Rate 30 fps @ 1920 x 1080 Video Analytics Motion detection, Tampering detection Ethernet RJ-45 10/100BASE-T, Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X Protocol IPv4/6 - TCP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, UPnP IPv4 - FTP, SMTP, NTP, ARP, SNMPv1/v2c/v3, DDNS, Power Source DC12V / PoE	
8	Outdoor Bullet Camera	2 Megapixel Outdoor Bullet Camera Image Sensor 6.4 mm (1/2.8 Type) CMOS Mount Type / Lens 4 mm F2.0, Min. Illumination Colour: 0.05 lux @ F1.2 (1/30 sec, 50 IRE) B/W : 0 lux @ IR LED on Day / Night ICR (Auto / Day / Night) WDR Max. 108 dB, IR LEDs 32 IR Distance 30 m, Focus Auto, Image Enhancement Mirror / V-Flip / BLC / DRE / AGC / Brightness / White balance / DNR / Color saturation / Sharpness / Privacy mask ,Video Compression H.264 (High profile supported) / MJPE, Max. Resolution 1920 x 1080 / 1280 x 720 / D1 (704 x 480) / CIF (352 x 240), Max. Frame Rate 60 fps @ 1920 x 1080, Video Analytics Motion detection, Tampering detection Ethernet RJ-45 10/100BASE-T, Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X Protocol IPv4/6 - TCP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, UPnP IPv4 - FTP, SMTP, NTP, ARP, SNMPv1/v2c/v3, DDNS(LG) Power Source PoE / AC24V / DC12V	2
9	Networking Job for CCTV	Networking laying for CCTV setup with Switch	02 Jobs
10.	WEB Cams	Supply of USB Camera with auto-focus lens and at least 18 MP Progressive Scan Sensor for Still Image capture. Should have a sensitivity of < 0.5 Lux. Shall be supplied with flexible gooseneck arm for easy camera control/adjustment. Should	20

		support USB 2.0 and be compatible with MS Windows 7.	
	Tablets	Tablet with 1.2GHz Quad core processor or higher, at least 10.1" (255.8 mm) TFT display, WIFI & GSM enabled.	30
	Networking & Electrical points	Data Cabling for end Users Comprising of Cat-6 UTP Cable, each set of One Face Plate with back box having single Cat-6 UTP I/O's and two multi power socket	40 Nodes
	IPBAX	Main chassis should be expandable upto 384 users or higher, with 34 ports for Analog extensions, 12 - Analog Trunks card to connect with telco Telephone lines and for GSM GATEWAYS, 10-Voice Channels for IP Phones, 06 Digital Ext. Ports, 6 Party Conferencing & Greetings / Auto Attendant (Enabled), with 1 Digital Operator Console Set, 1 x Executive, Digital Phone Sets & 30 CLI Branded Sets For Analog Users with 1 complete installation, networking & power ports and 1 year complete support.	1 Job
	Video Conferencing Terminal	HUAWEI VP9050-1080p or better (3 years warranty) with 1 KVA UPS compatible with the Already installed HUAWEI TELEPRESENCE SYSTEM of Sindh Police (MCU Huawei VP9030)	
	Maintenance and Support	Contractor should provide One year complete service and support of above Sr.# 1 to Sr.# 14.	1 Job