

Bid Document (Revised)

Tender No. ZTBL-15-2025

**SUPPLY, INSTALLATION AND COMMISSIONING OF IP
BASED CCTV CAMERAS SYSTEM**



**ZARAI TARAQIATI BANK
LIMITED (ZTBL)**

August, 2025

PREFACE

This Bidding Document for Supply, Installation and Commissioning of IP Based CCTV Cameras System has been prepared by the Zarai Taraqati Bank Limited (ZTBL), Islamabad in line with Standard Bidding Document for the Procurement of Goods & services issued by the Public Procurement Regulatory Authority (PPRA). For any missing information or conflict between parties in this document, PPRA standard bid document for Procurement of Information Technology Products and Services shall be considered for guidance.

Zarai Taraqati Bank Limited (ZTBL), formerly known as Agricultural Development Bank of Pakistan (ADBP), is the premier financial institution geared towards the development of agriculture sector through provision of financial services and technical knowhow. ZTBL is a key RFI of Pakistan providing affordable agriculture financial/non-financial services to the rural Pakistan.

ZTBL having the network of 501 branches and 31 Zonal Offices is the only specialized financial institution for agriculture sector in Pakistan, catering to the credit needs of farmers for the production, development purposes and modernization of agriculture through field force of Mobile Credit Officers (MCO) at doorstep of the farmers.

The main purpose of the Bank is to provide sustainable rural finance and services particularly to small farmers and low-income households to strengthen the rural and agriculture sector, mitigate poverty, capital market and investment activities and other banking business. ZTBL aims to be involved in improving the rural and agriculture sector and is determined to enter into other commercial activities. The Bank is committed to bring unbanked segments of population especially in rural area, particularly poor and marginalized groups through the continuum of sound financial access. The bank serves around half a million clients annually and has over one million accumulated account holders.

Corporate Vision

Dedicated to serve the needs of the farming community, by delivering financial products and technical services on a competitive and sustainable basis, in a convenient, efficient and professional manner, leading to success of the Bank and the farmers.

Corporate Mission

To play effective role in the promotion of economic growth, by enhancing the availability of credit to the agriculture sector, through reliable access to sustainable financing, special lending programs, technical assistance, and other products & services, and to promote career development opportunities for increasing professionalism and technical proficiencies of employees.

Disclaimer

Subject to any law to the contrary, and to the maximum extent permitted by law, the Bank and its officers and employees disclaim all liability from any loss or damage (whether foreseeable or not) suffered by any person acting on or refraining from acting because of any information including forecasts, statements, estimates, or projections contained in this bid document or conduct ancillary to it whether or not the loss or damage arises in connection with any negligence, omission, default, lack of care or misrepresentation on the part of the Bank or any of its officers & employees. The Bank and its officers, and employees disclaim any liability, pecuniary or otherwise that may accrue or arise from any loss or damage (whether foreseeable or not) suffered by any person acting on or refraining from acting due to the information contained herein and/or by virtue of copying, adopting, reproducing, any of the material which may be in the Bid Document.

The execution of the Project is subject to issuance of Purchase order by the Bank after completion of codal and regulatory requirements including signing of contract. The Bank or any employee of the Bank holds no responsibility for the cost(s) incurred by the bidder on preparation of proposal, submission of earnest money, retention of earnest money by the Bank or any other costs involved in bid submission by the bidder.

Parts of Bidding Documents for Supply, Installation and Commissioning of IP Based CCTV Cameras System

PART-A – BIDDING PROCEDURE & REQUIREMENTS

Section I - Invitation to Bids

Section II- Instructions to Bidders (ITB)

This Section provides information to help Bidders prepare their Bids. Information is provided for the submission, opening, and evaluation of Bids and for the award of Contract.

Section III- Bid Data Sheet (BDS)

This Section includes provisions specific to procurement and to supplement Section-II, Instructions to Bidders. This section may be customized where option is available, in accordance with the requirements of the Procuring Agency.

Section IV - Eligible Countries

This Section contains information regarding eligible countries.

Section V - Technical Specifications, Schedule of Requirements

This Section includes the details of specifications for the goods and ancillary services to be procured and schedule of requirements.

Section VI - Standard Forms

This Section includes the standard forms for the Bid Submission, Price Schedules, and Bid Security etc. These forms are to be completed and submitted by the Bidder as part of - Bid.

PART-B – CONDITIONS OF CONTRACT AND CONTRACT FORMS

Section VII - General Conditions of Contract (GCC)

This Section includes the general clauses to be applied in all the contracts.

Section VIII - Special Conditions of Contract (SCC)

This Section consists of Contract Specific general and special conditions. The procuring agency may customize the general conditions of the contract section, in accordance with the requirements.

Section IX - Contract Forms

This Section contains forms which, once completed, will become part of the Contract. The forms for **Performance Security** will be submitted by the successful bidder to whom Letter of Acceptance is issued, before the award of contract.

Annexures

Integrity Pact

The successful bidder shall be required to furnish Integrity Pact as per the attached format.

PART-C – BID DOCUMENTS ANNEXURES

PART-A
BIDDING PROCEDURE & REQUIREMENTS

SECTION I: INVITATION TO BIDS

ZARAI TARAQIATI BANK LIMITED

INVITATION TO e-BID

Tender No. ZTBL-15-2025

For

SUPPLY, INSTALLATION AND COMMISSIONING OF IP BASED CCTV CAMERAS SYSTEM

Zarai Taraqati Bank Limited, Head Office Islamabad, a Public Sector Bank, invites electronic bids on PPRA e-Pak Acquisition & Disposal System (EPADS) from authorized distributors / suppliers / Contractors registered with Income Tax & Sales Tax Departments who are on FBR Active Taxpayers List for **“Supply, Installation and Commissioning of IP Based CCTV Cameras System”**.

02. e-Bidding documents, containing detailed terms and conditions, etc. are available at Procurement Department, ZTBL Head Office, Islamabad. Price of the bidding documents is Rs. 2,000/-. The Bidding document can also be downloaded free of cost from the ZTBL website (www.ztbl.com.pk) and from PPRA EPAD system.

03. Bidders are required to submit their bids through PPRA EPAD System (www.eprocure.gov.pk) however the original bid security must be delivered ZTBL on below given address, before bid submission closing date & time. Bids must be submitted online through EPADS as per the following schedule:

Bid Submission Date & Time	September 05, 2025 @ 11:00 AM
Bid Opening Date & Time	September 05, 2025 @ 11:30 AM

04. Bidders are recommended to get registered on Public Procurement Regulatory Authority (PPRA) EPAD system to participate in ZTBL current and future bidding processes.

Note: Notification of the GRC constituted in terms of Rule-48 of PPRA rules, 2004 is provided on EPADS & ZTBL Website.

**Vice President,
Head, Procurement Department,
General Services Division
Zarai Taraqati Bank Limited
Head Office, Islamabad
Phone No. 051-9252798**

Table Contents

Bid Document (Revised)	1
Disclaimer	4
Parts of Bidding Documents for Supply, Installation and Commissioning of IP Based CCTV Cameras System	5
PART-A	6
SECTION I: INVITATION TO BIDS	6
Table Contents	8
A. INTRODUCTION	9
B. BIDDING DOCUMENTS	13
C. PREPARATION OF BIDS	15
D. SUBMISSION OF BIDS	23
E. OPENING AND EVALUATION OF BIDS	24
F. AWARD OF CONTRACT	33
G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM	35
H. MECHANISM OF BLACKLISTING	36
SECTION III: BID DATA SHEET Bid Data Sheet (BDS)	39
A. Introduction	40
B. Bidding Documents	40
C. Preparation of Bids	41
E. Opening and Evaluation of Bids	42
F. Award of Contract	44
G. Review of Procurement Decisions	44
Section IV. Eligible Countries	46
SECTION V: SCOPE, TECHNICAL SPECIFICATION	47
Scope of Work	48
Schedule of Requirements	69
SECTION VI: STANDARD FORMS FOR	71
Letter of Bid – Technical Proposal	72
Letter of Bid - Financial Proposal	75
Bidder Information Form (including experience)	77
Price Schedule Form	78
Manufacturer’s Authorization Form	83
Form of Bid Security	84
Letter of Acceptance (Format)	85
PART-B – CONDITIONS OF CONTRACT AND CONTRACT FORMS	87
Form of Draft Contract	87
Definitions	89
Special Conditions of Contract (SCC)	105
SECTION IX: CONTRACT FORMS	113
Performance Security (or guarantee) Form	114
Integrity Pact	115
PART-C – BID DOCUMENTS ANNEXURES	116

SECTION II: INSTRUCTION TO BIDDERS (ITBs)

A. INTRODUCTION

1. Scope of Bid	1.1	The Procuring Agency (PA), as indicated in the Bid Data Sheet (BDS) invites Bids for the Supply and Installation of the Goods & services as specified in the BDS and Section V - SCOPE, TECHNICAL SPECIFICATION & SCHEDULE OF REQUIREMENTS . The successful Bidders will be expected to supply and install the goods & services within the specified period and timeline(s) as stated in the BDS .
	1.2	Unless otherwise stated throughout this document definitions and interpretations shall be as prescribed in the General Conditions of the Contract (GCC).
2. Source of Funds	2.1	Source of funds is referred in Clause-2 of Invitation for Bids.
3. Eligible Bidders	3.1	A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country. If joint venture allowed in Bid Data Sheet (BDS) joint venture, consortium, or association, shall be jointly and severally liable by all members for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of contract.
	3.2	The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.
	3.3	Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.
	3.4	Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only,

		and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with any instructions issued by the Authority.
	3.5	The invitation for Bids is open to all prospective supplier, manufacturers or authorized agents/dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business.
	3.6 .	Foreign Bidders must be locally registered with the appropriate national incorporating body or the statutory body, before participating in the national/international competitive tendering with the exception of such procurements made by the foreign missions of Pakistan. For such purpose the bidder have to initiate the registration process before the bid submission and the necessary evidence shall be submitted to the procuring agency along with their bid, however, the final award will be subject to the complete registration process.
	3.7	<p>A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidders may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:</p> <ul style="list-style-type: none"> a. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the goods & services s to be procured under this Invitation for Bids. b. have controlling shareholders in common; or c. receive or have received any direct or indirect subsidy from any of them; or d. have the same legal representative for purposes of this Bid; or e. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or f. Submit more than one Bid in this Bidding process.
	3.8	<p>A Bidder may be ineligible if –</p> <ul style="list-style-type: none"> a. he is declared bankrupt or, in the case of company or firm, insolvent; b. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the

		<p>national laws) in the total or partial loss of the right to administer and dispose of its property;</p> <p>c. legal proceedings are instituted against such Bidder involving an order suspending payments and which may result, in accordance with the national laws, in a declaration of bankruptcy or in any other situation entailing the total or partial loss of the right to administer and dispose of the property;</p> <p>d. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;</p> <p>e. The Bidder is blacklisted and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of bid securing declaration.</p> <p>f. The firm, supplier and contractor is blacklisted or debarred by a foreign country, international organization, or other foreign institutions for the period defined by them.</p>
	3.9	Bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.
	3.10	Bidders shall provide such evidence of their continued eligibility to the satisfaction of the Procuring Agency, as the Procuring Agency shall reasonably request.
	3.11	Bidders shall submit proposals relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to the more than ten (10) percent of the Bid price is envisaged.
4. Eligible Goods and Related Services	4.1	<p>For the purposes of these Bidding Documents, the Goods & services means all:</p> <p>a) the required information technologies, including all information processing and communications-related hardware, software, supplies, and consumable items that the Supplier is required to supply and install under the Contract, plus all associated documentation, and all other materials and goods to be supplied, installed, integrated, and made operational (collectively called “the Goods” in some clauses of the ITB); and</p> <p>b) the related software development, transportation, insurance, installation, customization, integration, commissioning, training, technical support, maintenance, repair, and other services necessary for proper operation of the Goods & services to be provided by the selected Bidder and as specified in the Contract.</p>
	4.2	All goods and services to be supplied under the contract shall have their origin in eligible source countries, and all

		expenditures made under the contract will be limited to the supply and installation goods & services s. For purpose of this Bid, ineligible countries are stated in the section-4 titled as “Eligible Countries”.
	4.3	For purposes of this Clause, “origin” means the place where the goods and services are produced in or supplied from. An Goods & services is deemed to be produced in a certain country when, in the territory of that country, through software development, manufacturing, or substantial or major assembly or integration of components, a commercially recognized product result that is substantially different in basic characteristic or in purpose or utility from its component.
	4.4	The nationality of the supplier that supplies and install the Goods & services shall not determine the origin of the goods.
	4.5	To establish the eligibility of the Goods and Services making Goods & services , Bidders shall fill the country-of-origin declarations included in the Form of Bid.
	4.6	If so required in the BDS , the Bidder shall demonstrate that it has been duly authorized for the supply and installation of Goods & services in Pakistan.
5. One Bid per Bidder	5.1	A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.
	5.2	No bidder can be a sub-contractor while submitting a Bid individually or as a member of a joint venture in the same Bidding process.
	5.3	A person or a firm cannot be a sub-contractor with more than one bidder in the same bidding process.
6. Cost of Bidding	6.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. BIDDING DOCUMENTS

7. Contents of Bidding Documents	7.1	<p>The Contents of the Bidding Documents listed below should be read in conjunction with any addenda issued in accordance with ITB 9.2 include:</p> <p>Section I -Invitation to Bids Section II Instructions to Bidders (ITBs) Section III Bid Data Sheet (BDS) Section IV Eligible Countries Section V Technical Specifications, Schedule of Requirements Section VI Forms – Bid Section VII General Conditions of Contract (GCC) Section VIII Special Conditions of Contract (SCC) Section IX Contract Forms</p>
	7.2	The bidder is required to submit the bid online through PPRA EPAD System.
	7.3	The Procuring Agency is not responsible for the completeness of the Bidding Documents and their addenda, if they were not obtained directly from the Procuring Agency or the signed pdf version form downloaded from the website of the Procuring Agency. However, Procuring Agency shall place both the pdf and same editable version to facilitate the bidder for filling the forms.
	7.4	The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all the information required in the Bidding Documents will be at the Bidder's risk and may result in the rejection of his Bid.
8. Clarification of Bidding Documents, Pre-Bid Meeting and Site Visit	8.1	A prospective Bidder requiring any clarification of the Bidding Documents is required to submit the clarification through PPRA EPAD System.
	8.2	ZTBL will within three (3) working days after receiving the request for clarification, respond online through PPRA EPAD System to any request for clarification provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in ITB 23.1 .
	8.3	Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through an identified source of communication, including a description of the inquiry, but without identifying its source.

		In case of downloading of the Bidding Documents from the website of PA, the response of all such queries will also be available on the same link available at the website.
	8.4	Should the Procuring Agency deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB 9 .
	8.5	If indicated in the BDS , the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned in the BDS . During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding Documents.
	8.6	Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be transmitted to all prospective Bidders who have obtained the Bidding Documents, in 2 to 3 workings days or as appropriate, after the meeting date. Any modification to the Bidding Documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to ITB 9 . Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.
	8.7	The Bidder may wish to visit and examine the site or sites of the Goods & services and obtain for itself, at its own responsibility and risk, all information that may be necessary for preparing the bid and entering into the Contract. The costs of visiting the site or sites shall be at the Bidder's own expense.
	8.8	The Procuring Agency will arrange for the Bidder and any of its personnel or agents to gain access to the relevant site or sites, provided that the Bidder gives the Procuring Agency adequate notice of a proposed visit of at least seven (07) days. Alternatively, the Procuring Agency may organize a site visit or visits concurrently with the pre-bid meeting, as specified in the BDS for ITB Clause 8.5. Failure of a Bidder to make a site visit will not be a cause for its disqualification
	8.9	No site visits shall be arranged or scheduled after the deadline for the submission of the Bids and prior to the award of Contract.
9. Amendment of Bidding Documents	9.1	Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or

		pre-bid meeting may modify the Bidding Documents by issuing addenda.
	9.2	Any addendum issued including the notice of any extension of the deadline shall be part of the Bidding Documents pursuant to ITB 7.1 and shall be communicated in writing or in any identified electronic form that provide record of the content of communication to all the bidders who have obtained the Bidding Documents from the Procuring Agency. The Procuring Agency shall promptly publish the Addendum at the Procuring Agency's web page identified in the BDS: Provided that the bidder who had either already submitted their bid or handed over the bid to the courier prior to the issuance of any such addendum shall have the right to withdraw his already filed bid and submit the revised bid prior to the original or extended bid submission deadline.
	9.3	To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids: Provided that the Procuring Agency shall extend the deadline for submission of Bid, if such an addendum is issued within last three (03) days of the Bid submission deadline.

C. PREPARATION OF BIDS

10. Language of Bid	10.1	The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS . Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless specified in the BDS , in which case, for purposes of interpretation of the Bidder, the translation shall govern.
11. Documents Constituting the Bid	11.1	The Bid prepared by the Bidder shall constitute the following components: - a. Form of Bid b. Details of the Sample(s) where applicable and requested in the BDS . c. The documentary evidence of the Bidder's eligibility to Bid shall establish to the satisfaction of the Procuring Agency that the Bidder, at the time of submission of its bid, is from an eligible country as defined in Section-4 titled as "Eligible Countries" (for foreign country bidders). The local firms

		<p>having valid NTN/STRN are required to submit copied of NTN/STRN etc.</p> <p>d. In the case of a Bidder offering to supply and install Goods & services under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the Manufacturer or producer to supply and install the goods & services in Pakistan (As per annexure Z-A and BDS).</p> <p>e. The Bidder has the financial, technical, and supply/production capability necessary to perform the Contract, meets the qualification criteria specified in BDS /As requested in bidder qualification criteria).</p> <p>f. That the Bidder meets the qualification criteria (General, Technical & Financial) listed in the Bid Data Sheet.</p> <p>g. The Bidder shall furnish, as part of its Bid, all those documents (In English or translated in English language) establishing the eligibility in conformity to Technical compliance sheet and terms and conditions specified in the Bidding Documents for all goods and services making goods & services which the Bidder proposes to deliver. The documentary evidence of conformity of the goods and services making Goods & services s to the Bidding Documents may be in the form of literature, drawings, and data, and shall consist of:</p> <ol style="list-style-type: none"> a detailed description of the essential technical specifications and performance characteristics of the Goods; the bidder may provide item-by-item commentary on the Procuring Agency's Technical Specifications demonstrating substantial responsiveness of the Goods and Services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications; Data Sheets of the Goods and services Any other procurement specific documentation requirement if stated in the BDS. <p>Note: For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring Agency in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its Bid, provided that it demonstrates to the Procuring Agency's satisfaction that the</p>
--	--	--

		<p>substitutions ensure substantial equivalence to those designated in the Technical Specifications.</p> <p>a) Preliminary Project Plan (within timelines given by ZTBL) describing, among other things, the methods by which the Bidder will carry out its overall management and coordination responsibilities if awarded the Contract, and the human and other resources the Bidder proposes to use. The Plan should include a detailed Contract Implementation Schedule in bar chart form, showing the estimated duration, sequence, and interrelationship of all key activities needed to complete the Contract. The Preliminary Project Plan must also address any other topics specified in the BDS. In addition, the Preliminary Project Plan should state the Bidder's assessment of what it expects the Procuring Agency and any other party involved in the implementation of the Goods & services to provide during implementation and how the Bidder proposes to coordinate the activities of all involved parties;</p> <p>b) A written confirmation that the Bidder accepts responsibility for the successful integration and interoperability of all components of the Goods & services as required by the Bidding Documents (Part of Form of bid (Technical)).</p> <p>c) Bid security in accordance with ITB 18;</p> <p>d) Duly Notarized Power of Attorney authorizing the signatory of the Bidder to submit the bid;</p> <p>e) Affidavit of nonblack listing</p> <p>f) Any other document required in the BDS.</p>
12.		Covered in ITB 11
13.		Covered in ITB 11
14. Form of Bid	14.1	The Bidder shall fill the Form of Bid furnished in the Bidding Documents. The Bid Form must be completed without any alterations to its format and no substitute shall be accepted.
15. Bid Prices	15.1	The Bid Prices and discounts quoted by the Bidder in the Price Schedules shall conform to the requirements specified below in ITB Clause 15 or exclusively mentioned hereafter in the bidding documents i.e Price Schedule.
	15.2	All items in the Schedule of requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced, their prices shall be construed to be included in the prices of other items.
	15.3	Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, if

		<p>required by PA the corresponding average price of the respective item(s) of the remaining substantially responsive bidder(s) shall be construed to be the price of those missing item(s):</p> <p>Provided that:</p> <ul style="list-style-type: none"> a) where there is only one (substantially) responsive bidder, or b) where there is provision for alternate proposals and the respective items are not listed in the other bids, <p>the procuring agency may fix the price of missing items in accordance with market survey, and the same shall be considered as final price.</p>
	15.4	The Bid price to be quoted in the Price schedule in accordance with ITB 15.1 shall be the total price of the Bid, excluding any discounts offered.
	15.5	The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the goods it proposes to deliver under the contract.
	15.6	<p>Prices indicated on the Price Schedule shall be entered separately in the following manner:</p> <ul style="list-style-type: none"> a) For goods & Services manufactured within Pakistan <ul style="list-style-type: none"> i) the price of the goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable: <ul style="list-style-type: none"> A. on the components and raw material used in the manufacturing or assembly of goods quoted ex-works or ex-factory; or B. on the previously imported goods of foreign origin quoted ex-warehouse, ex-showroom, or off-the-shelf. ii) all applicable taxes which will be payable on the goods if the contract is awarded. iii) the price for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination, if specified in the BDS. iv) the price of other (incidental or allied) services, if any, listed in the BDS. b) For goods & Services offered from abroad: <ul style="list-style-type: none"> i) the price of the goods shall be quoted CIF named port of destination, or CIP border point, or CIP named place of destination, in the Procuring Agency's country, as specified in the BDS. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible countries. Similarly, the Bidder may obtain insurance services from any eligible source country. or

		<ul style="list-style-type: none"> ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the BDS. or iii) the price of goods quoted CFR port of destination (or CPT as the case may be), if specified in the BDS. iv) the price for inland transportation, insurance, and other local costs incidental to delivery of the goods from the port of entry to their final destination, if specified in the BDS. v) the price of (incidental) services, if any, listed in the BDS.
	15.7	<p>Prices proposed on the Price Schedule for goods and related services shall be disaggregated, where appropriate as indicated in this Clause. This desegregation shall be solely for the purpose of facilitating the comparison of Bids by the Procuring Agency. This, shall not in any way limit the Procuring Agency's right to contract on any of the terms and conditions offered: -</p> <ul style="list-style-type: none"> a) For Goods: - <ul style="list-style-type: none"> i) the price of the Goods, quoted as per applicable INCOTERMS as specified in the BDS ii) all customs duties, sales tax, and other taxes applicable on goods or on the components and raw materials used in their manufacture or assembly, if the contract is awarded to the Bidder, and b) For Related Services <ul style="list-style-type: none"> i. The price of the related services, and ii. All customs duties, sales tax and other taxes applicable in Pakistan, paid or payable, on the related services, if the contract is awarded to the Bidder.
	15.8	Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected, pursuant to ITB 29 .
	15.9	If so indicated in the Invitation to Bids and Instructions to Bidders, that Bids are being invited for individual contracts (Lots) or for any combination of contracts (packages), Bidders wishing to offer any price reduction for the award of more than one contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual contracts (Lots) within a package.
16. Bid Currencies	16.1	<p>Prices shall be quoted in the following currencies:</p> <ul style="list-style-type: none"> a) For goods and services that the Bidder will deliver from within Pakistan, the prices shall be quoted in Pakistani Rupees, unless otherwise specified in the BDS. b) For goods and related services that the Bidder will deliver from outside Pakistan, or for imported parts or components of

		<p>goods and related services originating outside Pakistan, the Bid prices shall be quoted in UD Dollar.</p> <p>Note: The payment shall be made in PKR as per payment terms mentioned in schedule of payment. Payment shall be made to the supplier in PKR, if applicable; the rate of conversion of dollar rate shall be selling rate of the date of purchase order.</p>
	16.2	For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the BDS. The rate of exchange shall be the selling rate, prevailing on the date of opening of (financial part of) bids specified in the bidding documents, as notified by the State Bank of Pakistan/NBP on that day.
	16.3	The Currency of the Contract shall be Pakistani Rupee unless otherwise stated in the BDS.
17. Bid Validity Period	17.1	Bids shall remain valid for the period specified in the BDS after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive. The period of Bid validity will be determined from the complementary bid securing instrument i.e., the expiry period of bid security or bid securing declaration as the case may be.
	17.2	Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once, for the period not more than the period of initial bid validity. The request and the Bidders responses shall be made in writing or in electronic forms that provide record of the content of communication. The Bid Security provided under ITB 18 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension, and in compliance with ITB 18 in all respects.
	17.3	If the award is delayed by a period exceeding sixty (60) days beyond the expiry of the initial Bid validity period, the contract price may be adjusted by a factor specified in the request for extension. However, the Bid evaluation shall be based on the already quoted Bid Price without taking into consideration on the above correction.
18. Bid Security	18.1	Pursuant to ITB 11 , unless otherwise specified in the BDS , the Bidder shall furnish as part of its Bid, a Bid Security in form of

		fixed amount and in the amount & currency specified in the BDS the format provided in Section VI (Standard Forms) .
	18.2	The Bid Security is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB 18.9 .
	18.3	The Bid Security shall be denominated in the local currency and it shall be in the form specified in the BDS which shall be in any of the following: a) Bid security valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period for Bid Validity is extended. In either case, the form must include the complete name of the Bidder; b) Mode of security is indicated in the BDS
	18.4	The Bid Security or Bid Securing Declaration shall be in accordance with the Form of the Bid Security or Bid Securing Declaration included in Section VI (Standard Forms) or another form approved by the Procuring Agency prior to the Bid submission.
	18.5	The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in ITB 18.9 are invoked.
	18.6	Any Bid not accompanied by a Bid Security in accordance with ITB 18.1 or 18.3 shall be rejected by the Procuring Agency as non-responsive, pursuant to ITB 29 .
	18.7	Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible and on the written request of the bidder, however in no case later than thirty (30) days after the expiration of the period of Bid Validity prescribed by the Procuring Agency pursuant to ITB 17 . The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest: (a) the expiry of the Bid Security; (b) the entry into force of a procurement contract and the provision of a performance security (or guarantee), for the performance of the contract if such a security (or guarantee), is required by the Bidding documents; (c) the rejection by the Procuring Agency of all Bids; (d) the withdrawal of the Bid prior to the deadline for the submission of Bids, unless the Bidding documents stipulate that no such withdrawal is permitted.
	18.8	The successful Bidder's Bid Security will be discharged upon the Bidder signing the contract pursuant to ITB 42 , or furnishing the performance guarantee, pursuant to ITB 43 .
	18.9	The Bid Security may be forfeited:

		<p>a) if a Bidder:</p> <ul style="list-style-type: none"> i) withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the bidder on the Form of Bid except as provided for in ITB 17.2; or ii) does not accept the correction of errors pursuant to ITB 31.2; or <p>b) in the case of a successful Bidder, if the Bidder fails:</p> <ul style="list-style-type: none"> i) to sign the contract in accordance with ITB 42; or ii) to furnish performance security (or guarantee) in accordance with ITB 43.
19. Alternative Bids by Bidders	19.1	Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic Bidder's technical design as indicated in the specifications and Schedule of Requirements. Alternatives will not be considered, unless specifically allowed for in the Bid Data Sheet (BDS). If so allowed, ITB 19.2 shall prevail.
	19.2	When alternative schedule for supply and installation of Goods & services is explicitly invited, a statement of that effect will be included in the BDS as will the method for evaluating different schedule for Goods & services .
	19.3	If so allowed in the BDS , Bidders wishing to offer technical alternatives to the requirements of the Bidding Documents must also submit a Bid that complies with the requirements of the Bidding Documents, including the basic technical design as indicated in the specifications. In addition to submitting the basic Bid, the Bidder shall provide all information necessary for a complete evaluation of the alternative by the Procuring Agency, including technical specifications, breakdown of prices, and other relevant details. Only the technical alternatives, if any, of the Most Advantageous Bidder conforming to the basic technical requirements (without altering the bid price) shall be considered by the Procuring Agency.
20. Withdrawal, Substitution, and Modification of Bids	20.1	Before bid submission deadline, any bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and the corresponding substitution or modification must accompany the respective written notice.
	20.2	Bids requested to be withdrawn in accordance with ITB 20.1 shall be returned unopened to the Bidders.
21. Format and Signing of Bid	21.1	The Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person

		signing the authorization must be typed or printed below the signature. All pages of the Bid, except for un-amended printed literature, shall be initialed by the person or persons signing the Bid.
	21.2	Any interlineations, erasures, or overwriting shall be valid only if they are signed by the person or persons signing the Bid.

D. SUBMISSION OF BIDS

22. Sealing and Marking of Bids	22.1	The Bidder is required to submit their bid through PPRA EPAD System
23. Deadline for Submission of Bids	23.1	Bids shall be received by the Procuring Agency no later than the date and time specified in the BDS .
	23.2	The Procuring Agency may, in exceptional circumstances and at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with ITB 9 , in which case all rights and obligations of the Procuring Agency and Bidders previously subject to the deadline will thereafter be subject to the new deadline.
24. Late Bids	24.1	The Procuring Agency shall not consider for evaluation any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 23 .
	24.2	Any Bid received by the Procuring Agency after the deadline for submission of Bids shall be declared late, recorded, rejected and returned unopened to the Bidder.
25. Withdrawal, Substitution, and Modification of Bids	25.1	A Bidder may withdraw, substitute, or modify its bid after submission, provided that written notice of the withdrawal, substitution, or modification is received by the Procuring Agency prior to the deadline prescribed for bid submission. All notices must be duly signed by an authorized representative and shall include a copy of the authorization (the power of attorney).
	25.2	The Bidder modification, substitution or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clauses 21 and 22 with the outer and inner envelopes additionally marked “MODIFICATION”, “SUBSTITUTION” OR “WITHDRAWAL” as appropriate. The notice may also be sent by electronic, telex and facsimile, but followed by a signed confirmation copy, postmarked no later than the deadline for submission of Bids.
	25.3	Bids may only be modified by withdrawal of the original Bids and submission of a replacement Bid in accordance with sub-Clause 25.1. Modifications submitted in any other way shall not be taken into account in the evaluation of Bids.

	25.4	Bidders may only offer discounts to or otherwise modify the prices of their Bids by substituting Bid modifications in accordance with this clause or included in the original bid submission.
	25.5	No Bid may be withdrawn, replaced or modified in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder on the Form of Bid. Withdrawal of a Bid during this interval shall result in the Bidders forfeiture of its Bid Security or execution of the Bid Securing Declaration.
	25.6	Revised bid may be submitted after the withdrawal of the original bid in accordance with the provisions referred in ITB 25.

E. OPENING AND EVALUATION OF BIDS

26. Opening of Bids	26.1	The Procuring Agency will open all Bids through EPAD System, in the presence of Bidders' or their representatives who choose to attend, and other parties with a legitimate interest in the Bid proceedings at the place, on the date and at the time, specified in the BDS . The Bidders' representatives present shall sign a register as proof of their attendance.
	26.2	In case of Single Stage Two Envelope Procedure, the Procuring Agency will open the Technical Proposals online through EPAD system in public at the address, date and time specified in the BDS in the presence of Bidders' designated representatives who choose to attend and other parties with a legitimate interest in the Bid proceedings. The Financial Proposals will remain unopened and will be held in custody of the Procuring Agency until the specified time of their opening.
	26.3	The Technical Proposals shall be opened one at a time, and the following read out and recorded: (a) the name of the Bidder; (b) whether there is a modification or substitution; (c) the presence of a Bid Security, if required; and (d) Any other details as the Procuring Agency may consider appropriate.
	26.4	Bids not opened and not read out at the Bid opening shall not be considered further for evaluation, irrespective of the circumstances. In particular, any discount offered by a Bidder which is not read out at Bid opening shall not be considered further.
	26.5	Bidders are advised to send in a representative with the knowledge of the content of the Bid who shall verify the information read out from the submitted documents. Failure to send a representative or to point out any un-read information by the sent Bidder's representative shall indemnify the Procuring

		Agency against any claim or failure to read out the correct information contained in the Bidder's Bid.
	26.6	No Bid will be rejected at the time of Bid opening except for late Bids which will be returned unopened to the Bidder, pursuant to ITB 24 .
	26.7	The Procuring Agency shall prepare record of the Bid opening. The record of the Bid opening shall include, as a minimum: the name of the Bidder and whether or not there is a withdrawal, substitution or modification, the Bid price if applicable, including any discounts and alternative offers and the presence or absence of a Bid Security or Bid Securing Declaration.
	26.8	The Bidders' representatives who are present shall be requested to sign on the attendance sheet. The omission of a Bidder's signature on the record shall not invalidate the contents and affect the record. A copy of the record shall be distributed to all the Bidders.
	26.9	A copy of the record of the Bid opening shall be furnished to individual Bidders upon request.
	26.10	In case of Single Stage Two Envelop Bidding Procedure, after the evaluation and approval of technical proposal the procuring agency, shall at a time within the bid validity period, publically open the financial proposals online through PPRA EPAD System of the technically accepted bids only.
27. Confidentiality	27.1	Information relating to the examination, clarification, evaluation and comparison of Bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until the time of the announcement of the respective evaluation report.
	27.2	Any effort by a Bidder to influence the Procuring Agency processing of Bids or award decisions may result in the rejection of its Bid.
	27.3	Notwithstanding ITB 27.2 from the time of Bid opening to the time of contract award, if any Bidder wishes to contact the Procuring Agency on any matter related to the Bidding process, it should do so in writing or in electronic forms that provides record of the content of communication.
28. Clarification of Bids	28.1	To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification. Any clarification submitted by a Bidder that is not in response to a request by the Procuring Agency shall not be considered.
	28.2	The request for clarification and the response shall be made through PPRA EPAD System. In case of Single Stage Two Envelope Procedure, no change in the prices or substance of the Bid shall be sought, offered, or permitted, whereas in case of

		Single Stage One Envelope Procedure, only the correction of arithmetic errors discovered by the Procuring Agency in the evaluation of Bids should be sought in accordance with ITB 31 .
	28.3	The alteration or modification in THE BID which “in any way” affect the following parameters will be considered as a change in the substance of a bid: <ul style="list-style-type: none"> a) evaluation & qualification criteria; b) required scope of work or specifications; c) all securities requirements; d) tax requirements; e) terms and conditions of bidding documents. f) change in the ranking of the bidder
	28.4	From the time of Bid opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bid it should do so in writing or in electronic forms that provide record of the content of communication.
29. Preliminary Examination of Bids	29.1	Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid: <ul style="list-style-type: none"> a) meets the eligibility criteria defined in ITB 3 and ITB 4; b) has been prepared as per the format and contents defined by the Procuring Agency in the Bidding Documents; c) has been properly signed; d) is accompanied by the required securities; and e) is substantially responsive to the requirements of the Bidding Documents. The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.
	29.2	A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one that: - <ul style="list-style-type: none"> a) affects in any substantial way the scope, quality, or performance of the Services; b) limits in any substantial way, inconsistent with the Bidding Documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or c) if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
	29.3	The Procuring Agency will confirm that the documents and information specified under ITB 11 have been provided in the

		Bid. If any of these documents or information is missing, or is not provided in accordance with the Instructions to Bidders, the Bid shall be rejected.
	29.4	<p>The Procuring Agency may waive off any minor informality, nonconformity, or irregularity in a Bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.</p> <p>Explanation: A minor informality, non-conformity or irregularity is one that is merely a matter of form and not of substance. It also pertains to some immaterial defect in a Bid or variation of a bid from the exact requirements of the invitation that can be corrected or waived without being prejudicial to other bidders. The defect or variation is immaterial when the effect on quantity, quality, or delivery is negligible when contrasted with the total cost or scope of the supplies or services being acquired. The Procuring Agency either shall give the bidder an opportunity to cure any deficiency resulting from a minor informality or irregularity in a bid or waive the deficiency, whichever is advantageous to the Procuring Agency. Examples of minor informalities or irregularities include failure of a bidder to –</p> <p>Furnish required information concerning the number of its employees;</p> <p>the firm submitting a bid has formally adopted or authorized, before the date set for opening of bids, the execution of documents by typewritten, printed, or stamped signature and submits evidence of such authorization and the bid carries such a signature.</p>
	29.5	<p>Provided that a Technical Bid is substantially responsive, the Procuring Agency may request the Bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any such aspect of the technical Proposal linked with the ranking of the bidders. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p>
	29.6	<p>Provided that a Technical Bid is substantially responsive, the Procuring Agency shall rectify quantifiable nonmaterial nonconformities or omissions related to the Financial Proposal. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or nonconforming item or component.</p>

	29.7	If a Bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.
30. Examination of Terms and Conditions; Technical Evaluation	30.1	The Procuring Agency shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.
	30.2	The Procuring Agency shall evaluate the technical aspects of the Bid submitted in accordance with ITB 22 , to confirm that all requirements specified in Section V – Schedule of Requirements, Technical Specifications of the Bidding Documents have been met without material deviation or reservation. (ZTBL has also attached annexure of technical compliance sheet for clear understanding of bidders)
	30.3	If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with ITB 29 , it shall reject the Bid.
31. Correction of Errors	31.1	Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: - a) if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and c) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern. d) Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bid, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.
	31.2	The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and, with, the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bid

		Securing Declaration may be executed in accordance with ITB 18.9.
32. Conversion to Single Currency	32.1	To facilitate evaluation and comparison, the Procuring Agency will convert all Bid prices expressed in the amounts in various currencies in which the Bid prices are payable. For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents (BDS). The rate of exchange shall be the selling rate, prevailing on the date of opening of (financial part of) bids specified in the bidding documents, as notified by the State Bank of Pakistan/NBP on that day.
	32.2	The currency selected for converting Bid prices to a common base for the purpose of evaluation, along with the source and date of the exchange rate, are specified in the BDS .
33. Evaluation of Bids	33.1	The Procuring Agency shall evaluate and compare only the Bids determined to be substantially responsive, pursuant to ITB 29.
	33.2	In evaluating the Technical Proposal of each Bid, the Procuring Agency shall use the criteria and methodologies listed in the BDS and in terms of Statement of Requirements and Technical Specifications. No other evaluation criteria or methodologies shall be permitted.
	33.3	The Procuring Agency's evaluation of a Bid will take into account: <ul style="list-style-type: none"> a. in the case of goods manufactured in Pakistan or goods of foreign origin already imported in Pakistan, Income Tax, General Sales Tax and other similar/applicable taxes, which will be payable on the goods if a contract is awarded to the Bidder; b. in the case of goods of foreign origin offered from abroad, customs duties and other similar import taxes which will be payable on the goods if the contract is awarded to the Bidder.
	33.4	The comparison shall be between the EXW price of the goods offered from within Pakistan, such price to include all costs, as well as duties and taxes paid or payable on components and raw material incorporated or to be incorporated in the goods, and named port of destination, border point, or named place of destination) in accordance with applicable INCOTERM in the price of the goods offered from outside Pakistan.

	33.5	<p>In evaluating the Bidders, the evaluation committee will, in addition to the Bid price quoted in accordance with ITB 15.1, take account of one or more of the following factors as specified in the BDS, and quantified in ITB 32:</p> <ul style="list-style-type: none"> a. Cost of inland transportation, insurance, and other costs within the Pakistan incidental to delivery of the goods to their final destination. b. delivery schedule offered in the Bid; c. deviations in payment schedule from that specified in the Special Conditions of Contract; d. the cost of components, mandatory spare parts, and service; e. the availability (in Pakistan) of spare parts and after-sales services for the equipment offered in the Bid; f. the projected operating and maintenance costs during the life of the equipment; g. the performance and productivity of the equipment offered; and/or h. other specific criteria indicated in the TBS and/or in the Technical Specifications.
	33.6	<p>For factors retained in BDS, pursuant to ITB 33.4 one or more of the following quantification methods will be applied, as detailed in the BDS:</p> <p><i>(a) Delivery schedule.</i></p> <ul style="list-style-type: none"> i) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and Bids offering delivery beyond this range will be charged LDC. <p><i>(b) Deviation in payment schedule.</i></p> <ul style="list-style-type: none"> ii) The SCC stipulates the payment schedule offered by the Procuring Agency. If a Bid deviates from the schedule the bid will be treated as non-responsive after clarification of bid. <p><i>(c) Cost of spare parts (if required in technical requirement section)</i></p> <ul style="list-style-type: none"> i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the BDS, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each Bid, will be added to the Bid price. <p style="text-align: center;">Or</p>

		<p>ii) The Procuring Agency will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the BDS. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the Bid price.</p> <p style="text-align: center;">Or</p> <p>iii) The Procuring Agency will estimate the cost of spare parts usage in the initial period of operation specified in the BDS, based on information furnished by each Bidder, as well as on past experience of the Procuring Agency or other Procuring Agencies in similar situations. Such costs shall be added to the Bid price for evaluation.</p> <p><i>(d) Operating and maintenance costs</i></p> <p>Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the BDS or in the Technical Specifications.</p> <p><i>(e) Specific additional criteria.</i></p> <p>Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the BDS and/or the Technical Specifications.</p>
	33.7	If these Bidding Documents allow Bidders to quote separate prices for different Lots, and the award to a single Bidder of multiple Lots, the methodology of evaluation to determine the lowest evaluated Lot combinations, including any discounts offered in the Form of Bid, is specified in the BDS .
34. Domestic Preference	34.1	If the BDS so specifies, the Procuring Agency will grant a margin of preference to certain goods in line with the rules, regulations, regulatory guides or instructions issued by the Authority from time to time.
35. Determination of Most Advantageous Bid	35.1	In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive and declared technically compliant bidders shall be the Most Advantageous Bid.

6. Abnormally Low Financial Proposal	36.1	<p>Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Most Advantageous Bid or as a part of the post-qualification process. The following process shall apply:</p> <p>(a) The Procuring Agency may reject a Bid if the Procuring Agency has determined that the price in combination with other constituent elements of the Bid is abnormally low in relation to the subject matter of the procurement (i.e. scope of the procurement or ancillary services) and raises concerns as to the capability and capacity of the respective Bidder to perform that contract;</p> <p>(b) Before rejecting an abnormally low Bid the Procuring Agency shall request the Bidder an explanation of the Bid or of those parts which it considers contribute to the Bid being abnormally low; take account of the evidence provided in response to a request in writing; and subsequently verify the Bid or parts of the Bid being abnormally low;</p> <p>(c) The decision of the Procuring Agency to reject a Bid and reasons for the decision shall be recorded in the procurement proceedings and promptly communicated to the Bidder concerned;</p> <p>(d) The Procuring Agency shall not incur any liability solely by rejecting abnormal Bid; and</p> <p>(e) An abnormally low Bid means, in the light of the Procuring Agency's estimate and of all the Bids submitted, the Bid appears to be abnormally low by not providing a margin for normal levels of profit.</p> <p>Guidance for Procuring Agency: In order to identify the Abnormally Low Bid (ALB) following approaches can be considered to minimize the scope of subjectivity:</p> <p>(i) Comparing the bid price with the cost estimate;</p> <p>(ii) Comparing the bid price with the bids offered by other bidders submitting substantially responsive bids; and</p> <p>(iii) Comparing the bid price with prices paid in similar contracts in the recent past either government- or development partner-funded.</p>
	36.2	<p>The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the most advantageous Bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB 13.3.</p>
	36.3	<p>The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's</p>

		qualifications submitted by the Bidder, pursuant to ITB 13.3, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding Documents shall not be used in the evaluation of the Bidders' qualifications.
	36.4	Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining award of contract. Explanation: The Certificate shall be furnished by the bidder. The bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.
	36.5	An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bid, in which event the Procuring Agency will proceed to the next ranked bidder to make a similar determination of that Bidder's capabilities to perform satisfactorily.

F. AWARD OF CONTRACT

37. Criteria of Award	37.1	Subject to ITB 36 and 38 , the Procuring Agency will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the Bidding Documents and who has been declared as Most Advantageous Bidder, provided that such Bidder has been determined to be: <ul style="list-style-type: none"> a. eligible in accordance with the provisions of ITB 3; b. is determined to be qualified to perform the Contract satisfactorily; and c. Successful negotiations have been concluded, if any.
38. Negotiations	38.1	Negotiations may be undertaken with the Most Advantageous Bid relating to the following areas: <ul style="list-style-type: none"> a. a minor alteration to the technical details of the statement of requirements; b. reduction of quantities for budgetary reasons, where the reduction is in excess of any provided for in the Bidding documents; c. a minor amendment to the special conditions of Contract; d. finalizing payment arrangements; e. delivery arrangements; f. the methodology for provision of related services; or g. clarifying details that were not apparent or could not be finalized at the time of Bidding;

	38.2	Where negotiation fails to result into an agreement, the Procuring Agency may invite the next ranked Bidder for negotiations. Where negotiations are commenced with the next ranked Bidder, the Procuring Agency shall not reopen earlier negotiations.
39. Procuring Agency's Right to reject All Bids	39.1	Notwithstanding ITB 37 , the Procuring Agency reserves the right to reject all the bids, and to annul the Bidding process at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders. However, the Authority (i.e. PPRA) may call from the Procuring Agency the justification of those grounds.
	39.2	Notice of the rejection of all Bids shall be given promptly to all Bidders that have submitted Bids.
	39.3	The Procuring Agency shall upon request communicate to any Bidder the grounds for its rejection of its Bids, but is not required to justify those grounds.
40. Procuring Agency's Right to Vary Quantities at the Time of Award	40.1	The Procuring Agency reserves the right at the time of contract award to increase or decrease the quantity of goods or related services originally specified in these Bidding Documents (schedule of requirements) provided this does not exceed by the percentage indicated in the BDS , without any change in unit price or other terms and conditions of the Bid and Bidding Documents.
41. Notification of Award	41.1	Prior to the award of contract, the Procuring Agency shall issue a Final Evaluation Report giving justification for acceptance or rejection of the bids.
	41.2	Where no complaints have been lodged, the Bidder whose Bid has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bid Validity period in writing or electronic forms that provide record of the content of communication. The Letter of Acceptance will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the execution of the scope of works as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).
	41.3	The notification of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance guarantee in accordance with ITB 43 and signing of the contract in accordance with ITB 42.2 .
42. Signing of Contract	42.1	Promptly after notification of award, Procuring Agency shall send the successful Bidder the draft agreement, incorporating all terms and conditions as agreed by the parties to the contract. The same draft is also attached with bidding document.
	42.2	Immediately after the Redressal of grievance by the GRC, and after fulfillment of all conditions precedent of the Contract

		Form, the successful Bidder and the Procuring Agency shall sign the contract.
	42.3	Where no formal signing of a contract is required, purchase order issued to the bidder shall be construed to be the contract.
	42.4	After signing of contract, ZTBL shall formally issue purchase order(s), without any change of quoted price, for formal execution of project during validity of contract period, as per its actual requirements.
43. Performance Security (or Guarantee)	43.1	After the receipt of the Letter of Acceptance, the successful Bidder, within the specified time, shall deliver to the Procuring Agency a Performance Guarantee in the amount and in the form stipulated in the BDS and SCC , denominated in the type and proportions of currencies in the Letter of Acceptance and in accordance with the Conditions of Contract.
	43.2	If the Performance Security Guarantee is provided by the successful Bidder and it shall be in the form specified in the BDS which shall be in following manners: a. bank guarantee confirmed by a reputable local bank or, in the case of a successful foreign Bidder, bonded by a foreign bank; or Performance Security (or guarantee) submitted shall be enforceable in Pakistan.
	43.3	Failure of the successful Bidder to comply with the requirement of ITB 43.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security, in which event the Procuring Agency may make the award to the next ranked Bidder or call for new Bids.
44. Advance Payment	44.1	The advance payment will not be provided. Detail is mentioned in BDS.
45. Arbitrator	45.1	The Arbitrator shall be appointed by mutual consent of the both parties as per the provisions specified in the BDS/SCC.
46. Corrupt & Fraudulent Practices	46.1	Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

G. GRIEVANCE REDRESSAL & COMPLAINT REVIEW MECHANISM

47. Constitution of Grievance Redressal	47.1	ZTBL has constituted a Grievance Redressal Committee (GRC) to address the grievance of bidders (if any)
--	------	---

48. GRC Procedure	48.1	Any party can file its written complaint to GRC against the eligibility parameters or any other terms and conditions prescribed in the prequalification or bidding documents found contrary to provision of Procurement Regulatory Framework at least 5 to 7 working days prior to the bid submission deadline, and the same shall be addressed by the GRC at least 2 to 3 working days before the bid submission deadline.
	48.2	Any Bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances not later than seven days of the announcement of technical evaluation report and five days after issuance of final evaluation report.
	48.3	In case, the complaint is filed after the issuance of the final evaluation report, the complainant cannot raise any objection on technical evaluation of the report: Provided that the complainant may raise the objection on any part of the final evaluation report in case where single stage one envelop bidding procedure is adopted.
	48.4	The GRC, in both the cases shall investigate and decide upon the complaint within ten days of its receipt.
	48.5	Any bidder or the procuring agency not satisfied with the decision of the GRC may file Appeal before the Appellate Committee of the Authority on prescribed format after depositing the Prescribed fee.

H. MECHANISM OF BLACKLISTING

49. Mechanism of Blacklisting	49.1	The Procuring Agency shall bar for not more than the time prescribed in Rule-19 of the Public Procurement Rules, 2004, from participating in their respective procurement proceedings, bidder or contractor who either: <ul style="list-style-type: none"> i. Involved in corrupt and fraudulent practices as defined in Rule-2 of Public Procurement Rules; ii. Fails to perform his contractual obligations; and iii. Fails to abide by the id securing declaration;
	49.2	The show cause notice shall contain: (a) precise allegation, against the bidder or contractor; (b) the maximum period for which the Procuring Agency proposes to debar the bidder or contractor from participating in any public procurement of the Procuring Agency; and (c) the statement, if needed, about the intention of the Procuring Agency to make a request to the Authority for debarring the bidder or contractor from participating in public procurements of all the procuring agencies.

	49.3	The procuring agency shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice
	49.4	In case, the bidder or contractor fails to submit written reply within the requisite time, the Procuring Agency may issue notice for personal hearing to the bidder or contractor/ authorize representative of the bidder or contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.
	49.5	In case the bidder or contractor submits written reply of the show cause notice, the Procuring Agency may decide to file the matter or direct issuance of a notice to the bidder or contractor for personal hearing.
	49.6	The Procuring Agency shall give minimum of seven days to the bidder or contractor for appearance before the specified officer of the Procuring Agency for personal hearing. The specified officer shall decide the matter on the basis of the available record and personal hearing of the bidder or contractor, if availed
	49.7	The procuring Agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.
	49.8	The Procuring Agency shall communicate to the bidder or contractor the order of debarring the bidder or contractor from participating in any public procurement with a statement that the bidder or contractor may, within thirty days, prefer a representation against the order before the Authority.
	49.9	Such blacklisting or barring action shall be communicated by the procuring agency to the Authority and respective bidder or bidders in the form of decision containing the grounds for such action. The same shall be publicized by the Authority after examining the record whether the procedure defined in blacklisting and debarment mechanism has been adhered to by the procuring agency.
	49.10	The bidder may file the review petition before the Review Petition Committee Authority within thirty days of communication of such blacklisting or barring action after depositing the prescribed fee and in accordance with “Procedure of filing and disposal of review petition under Rule-19(3) Regulations, 2021”. The Committee shall evaluate the case and decide within ninety days of filing of review petition

	49.11	The committee shall serve a notice in writing upon all respondent of the review petition. The notices shall be accompanied by the copies of review petition and all attached documents of the review petition including the decision of the procuring agency. The parties may file written statements along with essential documents in support of their contentions. The Committee may pass such order on the representation may deem fit.
	49.12	The Authority on the basis of decision made by the committee either may debar a bidder or contractor from participating in any public procurement process of all or some of the procuring agencies for such period as the deemed appropriate or acquit the bidder from the allegations. The decision of the Authority shall be final.

SECTION III: BID DATA SHEET

Bid Data Sheet (BDS)

The following specific data for the Goods & services to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITBs). Whenever there is a conflict, the provisions herein shall prevail over those in ITBs.

A. Introduction

BDS Clause Number	ITB Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
1.	1.1	Name of Procuring Agency: ZARAI TARAQIATI BANK LIMITED (ZTBL) The Description (as specified in IFB) of the System is: <i>[Supply, Installation and Commissioning of IP Based CCTV Cameras System]</i> Period for delivery: <i>[as per SECTION V of the bid document]</i> Commencement date for delivery: <u>Date of Purchase Order</u>
2.	2.1 & 2.2	Financial year for the operations of the Procuring Agency: FY 2025 Name of Project: <i>Supply, Installation and Commissioning of IP Based CCTV Cameras System</i> Name and identification number of the Contract: Tender No. ZTBL-15-2025
3.	3.1	Joint Venture is Allowed
4.	4.6	Demonstration of quoted solution from all or any bidder can be requested at ZTBL option.

B. Bidding Documents

1.	7.2	The bidder is required to submit the bid online through PPRA EPAD System.
2.	8.1	The contact details of ZTBL POCs is as following; Primary Contact Address Dr. Haseeb Akhtar, Vice President, Head, Procurement Department, Zarai Taraqiati Bank Limited Head Office, Islamabad Email: haseeb.akhtar@ztbl.com.pk Phone No. 051-9252798 Alternate contact address:

		<p>Engr. Asim Inayat Vice President Head, Assets & Logistics Department Zarai Taraqiati Bank Limited Head Office, Islamabad Email: asim.inayat@ztbl.com.pk Phone No. 051-9252700 (Bidders are required to raise any query/clarification through PPRA EPAD System)</p>
	8.5	Pre-bid meeting will be held on 07.08.2025. Bidders can submit request for any clarifications through email or EPADS.

C. Preparation of Bids

5.	10.1	The Language of all correspondences and documents related to the Bid is: English
6.	11.1 (d)	d) The authorization from the manufacture is required. (The bidder should be authorized to participate in the tender or should be authorized distributor in Pakistan for quoted solution)
7.	11.1 (e)	If requested in bidder qualification criteria in Annexure Z-A.
8.	11.1 (g)	<ul style="list-style-type: none"> Qualification criteria (General, Technical & Financial) is given at ANNEXURE Z-A , ANNEXURE Z-B
9.	11.1 (h/d)	<p>In addition to the documents stated in ITB 11, the following documents must be included with the Bid.</p> <ul style="list-style-type: none"> Quoted product data sheets (if applicable) Declaration for Beneficial Ownership
10.	15.6	All hidden local costs, the cost of product, inland transportation, insurance, incidental or allied services (if required) etc. shall be integral part of quoted price.
11.	15.7	The price shall be Delivered duty paid (DDP)
12.	16.1 (a)	<ul style="list-style-type: none"> For Goods & services originating in Pakistan the currency of the Bid shall be <i>Pakistani Rupees</i>; For Goods & services originating outside Pakistan, the Bidder shall express its Bid in US Dollar Only.
13.	16.2	For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single Pak Rupees. The rate of exchange shall be the selling rate, prevailing on the date of opening of bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.
14.	16.3	The currency of contract shall be as per quoted currency in financial proposal submitted by successful bidder. However, the payments shall be in PKR as per payment schedule.

15.	17.1	The Bid Validity period shall be 150 days .
16.	18.1	The amount of Bid Security shall be 1,200,000 PKR . The currency of the Bid Security shall be Pak Rupees. Bid Securing Declaration is not applicable. The bidder is required to upload copy of bid security on EPAD System and the original bid security must be delivered ZTBL prior to ZTBL before closing date of submission of bid.
17.	18.3	The Bid Security shall be in the form of: CDR/PO/Banker Cheque
18.	18.3 (b)	Only Bid Security in shape of CDR/PO/Banker cheque is required. Other forms of security are not acceptable
19.	19.1, 19.3	Alternative Bids are not be permitted
20.	21.1	The bidder is required to submit the bid online through PPRA EPAD System
21.	21.2	Duly notarized Power of Attorney authorizing the signatory of the Bidder to submit the Bid

D. Submission of Bids

22.	22.1	Open Competitive Bidding. <u>Single stage - two envelope</u> bidding procedure as defined in PPRA Rule 2004, Clause 36 (b) will be used for this procurement.
23.	22.2 (a)	Bid shall be submitted online through EPAD System
24.	22.2 (b)	Title of the subject Procurement or Project name: [Supply, Installation and Commissioning of IP Based CCTV Cameras System] Tender No: ZTBL-15-2025
25.	23.1	The deadline for Bid submission through EPADS is a) Day: [Friday] b) Date: [05.09.2025] c) Time: [11:00AM]

E. Opening and Evaluation of Bids

26.	26.1	The Bid opening shall take place online through EPAD System at: IT Conference Room, Zarai Taraqiati Bank Limited 3rd floor annexed building 1 Faisal Avenue Zero Point Head Office, Islamabad. 051-9252798
-----	------	--

		<p>Day: [Friday] Date: [05.09.2025] Time: [11:30AM]</p> <p>In case of any unforeseen reasons, unrest or force majeure, which may cause delay on the bid opening date, the bids shall be opened on the next working day at the same place and time.</p> <p>The opening date of Financial Proposal will be communicated to the eligible bidders by the Procuring Agency.</p>
27.	27	<p>Information relating to evaluation of bids and recommendations concerning to award of the contract shall not be disclosed by the Procuring Agency to the bidders or to any other person who is not officially concerned with the process, until the announcement of the result of evaluation.</p> <p>The Bidder shall not disclose or attempt to make public any information relating to the bidding documents, bidding process and award of the contract to any person or entity without the Procuring Agency's prior written consent.</p> <p>In case of any disclosure related to the bidding process and contractual obligations at any stage by any bidder, the Procuring Agency may reject its bid and/or terminate the contract.</p>
28.	32.2	<p>The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid prices expressed in various currencies is: <i>[Pak Rupees]</i></p> <p>The source of exchange rate shall be: the selling rate, prevailing on the date of opening of (financial part of) bids specified in the bidding documents, as notified by the State Bank of Pakistan</p>
29.	33.2	<p>The technical bids shall be evaluated on following basis;</p> <ul style="list-style-type: none"> • Compliance to Bidder Qualification Criteria (Annexure Z-A) • Compliance to Scope of work & Technical Specifications (Annexure Z-B)
30.	33.5 (a)	<p>ZTBL shall evaluate the bids on the basis of bid price quoted by bidders. The Bid price shall be Delivered duty paid (DDP).</p>
31.	33.5 (b)	<p>The financial bids of technically compliant bidders shall be evaluated basis of price schedule, Delivery schedule. <i>as per SECTION V of the bid document</i></p>
32.	33.5 (c)	<p>Deviation in payment schedule is not acceptable. In case of any conflict, the payments terms of PA shall prevail.</p>

33.	33.5 (d)	Cost of spare parts: cost of such spare parts is required which are would be not covered in warranty i.e replacement of burnt power supply or board due to ZTBL fault.
34.	33.5 (e)	Spare parts replacement under warranty is applicable in this case
35.	33.5 (f)	Operating and maintenance costs: As per SLA for three years
36.	33.6(c)	Spare parts and after sales service facilities in Pakistan. [SLA support as per SLA is required]
37.	33.6(d)	Operating and maintenance costs. As per Price schedule
38.	33.6 (e)	Specific additional criteria to be used in the evaluation and their evaluation method or reference to the Technical Specifications. •Criteria of evaluation is given in Section V Scope, Technical Specifications, Schedule of Requirements and annexures.
39.	33.7	In case of award to a single Bidder of multiple lots; the methodology of evaluation to determine the lowest evaluated bidder will be based lowest bidder in each lot. However Separate lots are not applicable in this project.
40.	34.1	Preference to domestic or national suppliers or contractors shall be provided in accordance with policies of the Federal Government and/or in accordance with the regulations issued by the Authority.
F. Award of Contract		
41.	40.1	Percentage for quantity increase or decrease is [15%].
42.	43.1	<i>The Performance Guarantee shall be 10 percent of the Contract/bid Price. The performance guarantee shall be valid till original or extended validity of contract. The successful bidder shall furnish the performance guarantee within 07 days of acceptance of Bid. The procuring agency reserves the right to extend the timelines for submission of contract/performance guarantee at his sole discretion.</i>
43.	43.2	The Performance Guarantee shall be in the form of Bank Guarantee/CDR valid till
44.	44.1	No Advance Payment shall be made.
45.	45.1	Arbitrator shall be appointed by mutual consent of the both parties under Arbitration Act, 1940.

G. Review of Procurement Decisions

1.	48.1	The address of the Procuring Agency; Convener Bidders Grievance Redressal committee
----	------	--

		Zarai Taraqiati Bank Limited Head Office, 1 Faisal Avenue Zero point Islamabad
	48.6	The Address of PPRA to submit a copy of grievance: Grievance Redressal Appellate Committee, Public Procurement Regulatory Authority 1 st Floor, G-5/2, Islamabad, Pakistan Tel: +92-51-9202254

Section IV. Eligible Countries

All the bidders are allowed to participate in the subject procurement without regard to nationality, except bidders of some nationality, prohibited in accordance with policy of the Federal Government.

Following countries are ineligible to participate in the procurement process:

1. India
2. Israel

Ministry of Interior, Government of Pakistan has notified List of Business Friendly Countries (BVL). Information can be accessed through following link:

<http://www.dgip.gov.pk/Files/Visa%20Categories.aspx#L>

<https://dgip.gov.pk/visa/categories.php>

**SECTION V: SCOPE,
TECHNICAL SPECIFICATION**
And SCHEDULE OF REQUIREMENTS

Scope of Work

1. Objective

ZTBL intends to procure and install CCTV cameras system at field offices and Head office to ensure Surveillance, Monitoring, Security and to comply with the SBP requirements.

2. Scope of Work

ZTBL is seeking to acquire a turnkey solution for the procurement and installation of CCTV cameras system for its head office and field offices. The detail is as following:

2.1 Installation of CCTV in Field offices

ZTBL need to install CCTV system in ZTBL field offices including branches and head office units at field. The cameras offered for field offices must be compatible **with currently deployed NVRs (Hikivision NVR model 08 channel model DS-7708NI-K4/UHK with 08 TB HDD and Hikivision NVR model 16 DS-7716 NI-I4/UHK with 16TB HDD) and CCTV system at ZTBL branches.** All mandatory requirements must be accompanied by verifiable documentary evidence in the Technical Proposal. Additionally, the bidder is expected to provide three (3) years of on-site service and technical support. The detailed BOQ for branches is as following:

S/N	Camera Type	Qty	Remarks
1.	Centralized monitoring Solution (Professional Base License)	01	The bidder is required to install, operationalized and integrate Centralized Monitoring Solution at ZTBL head office for new as well as existing CCTV system.
2.	Minimum 05 MP Camera (Dome Type)	83	83 ZTBL branches. (37 same Tier-I ZTBL branches as per serial 02 and 46 additional ATM branches). List attached in annexure
3.	Minimum 05 MP Camera (Bullet Type)	37	37 Tier-I ZTBL branches (same as per serial 01). List attached in annexure.
4.	Minimum 05 MP Camera (Dome Type)	31	Installation of 31 ZTBL Field Credit Administration Units. List attached in annexure.
5.	Minimum 04 MP Camera (Dome Type)	109	Installation of 109 cameras at 31 ZTBL Field Credit Administration Units (same location as per serial 03). List attached in annexure.

6.	Minimum 04 MP Camera (Dome Type)	180	Only supply of cameras required. Installation will be arranged by ZTBL.
7.	Minimum 02 MP Camera (Dome Type)	149	Only supply of cameras required. Installation will be arranged by ZTBL.
8.	NVR 08 channel with 08 TB HDD (On need basis)	31	For 31 ZTBL Field Credit Administration Units. List attached in annexure. The NVR will be procured on need basis. The first attempt would be to install the CCTV with existing system subject to slots available in existing NVRs.
9.	NVR 16 channel with 16 TB HDD (On need basis)	Per unit rate	Where required, ZTBL may replace the existing 08 channel NVR with new 16 channel NVR to adjust the additional CCTV cameras being procured.
10.	POE switch 24 ports	Per unit rate	ZTBL already have 24 ports managed POE switches (model H3C S5130) in branches however if required, ZTBL may ask the bidders to replace/install POE switch having similar specifications.
11.	LED screen 32"	Per unit rate	ZTBL already have LED 32" in branches however if existing LED is required replacement, ZTBL may procure on need basis. The quoted product should be renowned surveillance & industrial grade brand, with 03 years local warranty.
12.	Dummy NVR	501	ZTBL may ask the bidder for provision of dummy NVR for all ZTBL branches. However, decision of dummy NVR will be made as per ZTBL option. The bidder are requested to quote cost effective dummy NVR.
13.	Installation	Per branch/site cost	Installation cost is required for 46 ZTBL ATM branches, 37 Tier-I branches and 31 CAD offices only, tentative list attached.
14.	Accessories/Ancillary items	As per actual	The accessories shall be charged as per actual. The price of some ancillary items is required in price schedule. The missing ancillary items in price schedule will be charged as per actual.
15.	Hardware Specifications for Video Management System (VMS)	01 unit	ZTBL has existing hardware for VMS however ZTBL may request for additional server if required.
16.	Additional Hard drives for existing storage	Per unit rate	In case ZTBL need to obtain additional HDD for existing servers.

2.2 Installation of CCTV at Head offices and staff college Islamabad

ZTBL need to install new CCTV system and monitoring room at ZTBL head offices. All mandatory requirements must be accompanied by verifiable documentary evidence in the Technical Proposal. Additionally, the bidder is required to provide three (3) years of on-site service and technical support. The detailed BOQ for head office Islamabad is as following:

S/N	Camera Type	Qty	Remarks
1.	Minimum 04 MP Camera (Bullet Type)	68	These cameras are required for ZTBL head office and staff college (16 to 20 cameras) Islamabad. Quantities will be decided as per actual requirements
2.	Minimum 04 MP Camera (Dome Type)	86	
3.	Minimum 05 MP Camera (Bullet Type)	37	
4.	PTZ camera 08 MP	04	
5.	PTZ camera 04 MP	03	
6.	NVR 16 channel with 8TB HDD	each	Will be required for staff college as per actual requirements
7.	Joy stick (Three dimensional joystick control of PTZ function)	01	For PTZ cameras
8.	Aggregate Switch for Fiber (24 Gigabit Ethernet ports, 24 Gigabit SFP optical ports and 6 10 Gigabit SFP + optical ports).	01	
9.	Core Switch: 24 Gigabit electrical ports and 6 10 Gigabit SFP+ optical ports.	01	
10	16 port smart managed	10	
11	08 ports smart managed switch	10	
12	Storage for Head Office: Single controller, 180 Ch (2Mbps) Record + playback with IPSAN mode, 512. with Storage capacity of Head office cameras for 60 days @4MP, 25 fps. With Enterprise grade HDDs.	01 Job	
13	Video walls with brackets & frame (Industrial level ADS LCD panels for continuous 24/7 operations)	06	For monitoring room at head office
14	Video wall controller	01	

15	ODF (OFDF 24 ports fully loaded for CCTV room end)	03	
16	ODF (OFDF 12 ports fully loaded for CCTV room end)	20	
17	SFP modules	24	
18	OFC patch cards Sc to Lc	50	
19	PDU 06 ports for data rack	20	
20	Breaker (power breaker 6AMP single pole for data rack)	20	
21	Cable manager for data racks	20	
22	Data rack 9U indoor	10	
23	Rack 06U outdoor	10	
24	PVC junction box 4x4	154	
25	Metal Box 8x8 for PTZ power supply	06	
26	05 feet pole mounts for boundary wall	25	
27	Poles 11 feet for outdoor cameras	10	
28	Rack 42U for control room	02	
29	Input Cards for video walls HDMI Supported Card for Input 04 HDMI for 06 x inputs	02	
30	Output Cards for video walls HDMI Supported Card for output 04 HDMI interface supporting 06 x video screens	02	
31	UTP cat 06 cable roll 305 meter	Per roll rate	
32	Power cable 2.5MM 02 core for centralized power	Per meter rate	
33	OFC cable 12 core Single Mode	Per meter rate	
34	PVC CHANNEL DUCT ADAM JEE 16*38 (per 10 feet length)	Per unit	

35	RJ 45 connectors	Per box rate	
36	PVC pipe 1" adam jee	Per length	
37	Flexible Pipe Adam Jee 1 Inch Per Feet	Per length	
38	Installation & commissioning	01 Job	

Note:

- Quantities of Cameras/NVR and other items can be increased/decreased as per actual requirements.
- The missing ancillary items/equipments for operationalization of system will be charged as per actual basis.
- Specifications/technical compliance sheet of items mentioned in BOQ are placed at annexure-ZB

3. Delivery/installation/integrations:

- Delivery: Delivery will be considered accomplished when offered equipment's will be delivered, installed and operationalized at purchaser's site i.e. respective department as per schedule of requirement.
- Installation: Installation will be considered accomplished when offered equipment's will be installed at purchaser's site i.e. respective branch/field office/Head as per schedule of requirement/list shared by project coordinator. ZTBL has mentioned in price schedule the main ancillary items required for installation of CCTV system. Any other ancillary item not mentioned in Price schedule will be invoiced as per actual basis. ZTBL reserves the right to confirm the price of such ancillary items from market, if required.
- Integration: Integration means that all the necessary configuration of the offered equipment's is according to the purchaser's requirement and ready for the use.
- Operational Acceptance: Operational Acceptance means that the offered system & equipment's have been installed, configured, integrated and operational after testing in accordance with the standard procedure provided by the OEM.
- Training & Documentation (if any): The supplier will provide formal hands on training and documentation to all the relevant IT/Admin personnel at no additional cost to the purchaser.

4. Technical Specifications:

S/N	Description
1.	Minimum 5 MP Bullet Camera with SD card

- **Image Sensor:** Minimum 1/2.7" Progressive Scan CMOS or equivalent
- **Maximum Resolution:** At least 2592× 1944 pixels@30fps
- **Minimum Illumination:**
 - **Color:** 0.005 Lux @ F1.6
 - **B/W:** 0 Lux with infrared (IR) illumination
- **Lens Type:** Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)
- **Supplemental Lighting Range:** Up to 50 meters with infrared or equivalent technology
- **Simultaneous Live View:** Support for multiple concurrent streams, minimum 4 Streams
- **API & Integration:** Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs
- **Image Features:**
 - Day/Night switching capability
 - Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR.
- **Privacy Masking:** Configurable privacy masking with at least 4 programmable zones
- **On-Board Storage:**
 - SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment
- **Smart Event Detection:** Support for advanced analytics, including:
 - Object removal detection
 - Unusual movement detection (e.g., running etc.)
- **Environmental Protection:**

	<ul style="list-style-type: none"> • IP67-rated weather resistance • IK10-rated impact resistance
2.	<p>Minimum 5 MP Dome Camera with SD card</p> <ul style="list-style-type: none"> • Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent • Maximum Resolution: At least 2592× 1944 pixels • Minimum Illumination: <ul style="list-style-type: none"> • Color: 0.005 Lux or lower @ F1.6 • B/W: 0 Lux with infrared (IR) illumination • Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm) • Supplemental Lighting Range: Up to 40/50 meters with infrared or equivalent technology • Simultaneous Live View: Support for multiple concurrent streams, minimum of 4 streams • API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs • Image Features: <ul style="list-style-type: none"> • Day/Night switching capability • Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR. • Privacy Masking: Configurable privacy masking with at least 4 programmable polygon zones • On-Board Storage: <ul style="list-style-type: none"> • SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment • Smart Event Detection: Support for advanced analytics, including: <ul style="list-style-type: none"> • Object removal detection • Unusual movement detection (e.g., running etc.)

	<ul style="list-style-type: none"> • Environmental Protection: <ul style="list-style-type: none"> • IP67-rated weather resistance • IK10-rated impact resistance
3.	<p>Minimum 4 MP Bullet Camera with SD card</p> <ul style="list-style-type: none"> • Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent • Maximum Resolution: At least 2688 ×1520 pixels@30fps • Minimum Illumination: <ul style="list-style-type: none"> • Color: 0.005 Lux @ F1.6 • B/W: 0 Lux with infrared (IR) illumination • Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm) • Supplemental Lighting Range: Up to 50 meters with infrared or equivalent technology • Simultaneous Live View: Support for multiple concurrent streams, minimum 4 Streams • API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs • Image Features: <ul style="list-style-type: none"> • Day/Night switching capability • Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR. • Privacy Masking: Configurable privacy masking with at least 4 programmable zones • On-Board Storage: <ul style="list-style-type: none"> • SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment

	<ul style="list-style-type: none"> • Smart Event Detection: Support for advanced analytics, including: <ul style="list-style-type: none"> • Object removal detection • Unusual movement detection (e.g., running etc.) • Environmental Protection: <ul style="list-style-type: none"> • IP67-rated weather resistance • IK10-rated impact resistance
4.	<p>Minimum 4 MP Dome Camera with SD card</p> <ul style="list-style-type: none"> • Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent • Maximum Resolution: At least 2688× 1520 pixels • Minimum Illumination: <ul style="list-style-type: none"> • Color: 0.005 Lux or lower @ F1.6 • B/W: 0 Lux with infrared (IR) illumination <p>Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)</p> <ul style="list-style-type: none"> • Supplemental Lighting Range: Up to 40/50 meters with infrared or equivalent technology • Simultaneous Live View: Support for multiple concurrent streams, minimum of 4 streams • API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs • Image Features: <ul style="list-style-type: none"> • Day/Night switching capability • Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR. • Privacy Masking: Configurable privacy masking with at least 4 programmable polygon zones • On-Board Storage:

	<ul style="list-style-type: none"> • SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment • Smart Event Detection: Support for advanced analytics, including: <ul style="list-style-type: none"> • Object removal detection • Unusual movement detection (e.g., running etc.) • Environmental Protection: <ul style="list-style-type: none"> • IP67-rated weather resistance • IK10-rated impact resistance
5.	<p>Minimum 02 MP Dome Camera with SD card</p> <p>Image Sensor 1/2.7" Progressive Scan CMOS Max. Resolution 1920 × 1080 Min. Illumination Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR Day & Night IR cut filter Lens Type: Fixed focal lens Simultaneous Live View Up to 6 channels Day/Night Switch Day, Night, Auto, Schedule Wide Dynamic Range (WDR) Digital WDR On-Board Storage: •SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment Event :Basic Event Motion detection, video tampering alarm, exception</p>
6.	<p>PTZ Camera 08 MP</p> <ul style="list-style-type: none"> • 1/1.2" Progressive Scan CMOS • 8MP high resolution • IR range 400M or above • Support hardware POE • High quality imaging with 8 MP resolution • 25 × optical zoom and 16 × digital zoom provides close up views over expansive areas • Excellent low-light performance • Clear imaging against strong back light due to 120 dB AWDR technology • Supports rapid focus • Smart Pan-Tilt Correction • Built-in stable image output • Water and dust resistant
7.	<p>PTZ Camera 04 MP</p> <ul style="list-style-type: none"> • 1/1.8" Progressive Scan CMOS • 4MP high resolution

	<ul style="list-style-type: none"> • IR range 150 or above • Support hardware POE • High quality imaging with 4 MP resolution • 25 × optical zoom and 16 × digital zoom provides close up views over expansive areas • Excellent low-light performance • Clear imaging against strong back light due to 120 dB AWDR technology • Supports rapid focus • Smart Pan-Tilt Correction • Built-in stable image output • Water and dust resistant
8.	JOY Stick 7" resistive touchscreen, preview, PTZ and TV wall control, 4-axis joystick
9.	Dummy NVR Dummy NVR may be required to avoid the theft of original NVR. Bidders may quote dummy NVR with lowest available specifications with installation cost.
10.	Network Video Recorder IP Video Input <ul style="list-style-type: none"> • Supports 08 channels of IP video input Bandwidth Capacity <ul style="list-style-type: none"> • Incoming Bandwidth: Minimum 320 Mbps • Outgoing Bandwidth: Minimum 265 Mbps Video Output <ul style="list-style-type: none"> • HDMI Output: Supports at least one HDMI with resolutions up to 4K Video Output Mode <ul style="list-style-type: none"> • Supports independent HDMI output Audio Capabilities <ul style="list-style-type: none"> • Audio Output: Minimum one channel, RCA interface • Two-Way Audio: Minimum one channel, RCA interface • Stream Type: Supports Video only or Video & Audio • Audio Compression Formats: G.711ulaw/G.711a, G.726 Decoding & Recording

- **Decoding Formats Supported:** H.265, H.265+, H.264, H.264+
- **Recording Resolution Support:** Up to **12 MP or above**, with support for **8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, UXGA, 720p, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF**
- **Synchronous Playback:** Supports up to **16 channels**
- **Decoding Capability:**
 - **With AI enabled:** Minimum **08-ch @ 05 MP (30 fps), 3-ch @ 8 MP (30 fps), 6-ch @ 4 MP (30 fps), or 12-ch @ 1080p (30 fps)**
 - **Without AI:** Minimum **08-ch @ 05 MP (30 fps), 4-ch @ 8 MP (30 fps), 8-ch @ 4 MP (30 fps), or 16-ch @ 4MP (30 fps)**

Network & Integration

- **Remote Connection:** Supports up to **128 simultaneous connections**
- **API & Protocols:** Must support **ONVIF (Profile S, Profile G), SDK, ISAPI/CGI**
- **Network Interface:** Minimum **one RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface**

Storage & Interfaces

- 2 SATA interfaces for HDD connection
- **Storage Capacity:** Supports **up to 16 TB per HDD**
- **USB Interfaces:**
 - **Front Panel:** Minimum One USB 2.0 ports
 - **Rear Panel:** Minimum **one USB 2.0 port**
- **Alarm Inputs/Outputs:** Minimum **4 input channels and 1 output channel**
- **Facial Detection & Analysis Performance:**
 - Supports at least **one channel at 8 MP**
- **Face Picture Comparison:**
 - Supports at least **4-channel comparison**
- **Face Picture Library:**
 - Supports up to **16 face picture libraries**, with a total capacity of **20,000 face pictures** (each image \leq 4 MB, total storage \leq 2.5 GB)

Recording Requirements

- one 08 TB or one 16TB surveillance grade hard drive for branches/field offices. The number of hard drives will be decided on each site by keeping in view the size/number of cameras and to meet the requirements of 90 days recording.
- Ensure 60 days recording for head office. The size/number of hard drives will be decided as per actual requirements basis.

11.	<p>Network Video Recorder</p> <p>IP Video Input</p> <ul style="list-style-type: none"> • Supports 16 channels of IP video input <p>Bandwidth Capacity</p> <ul style="list-style-type: none"> • Incoming Bandwidth: Minimum 320 Mbps • Outgoing Bandwidth: Minimum 265 Mbps <p>Video Output</p> <ul style="list-style-type: none"> • HDMI Output: Supports at least one HDMI with resolutions up to 4K <p>Video Output Mode</p> <ul style="list-style-type: none"> • Supports independent HDMI output <p>Audio Capabilities</p> <ul style="list-style-type: none"> • Audio Output: Minimum one channel, RCA interface • Two-Way Audio: Minimum one channel, RCA interface • Stream Type: Supports Video only or Video & Audio • Audio Compression Formats: G.711ulaw/G.711a, G.726 <p>Decoding & Recording</p> <ul style="list-style-type: none"> • Decoding Formats Supported: H.265, H.265+, H.264, H.264+ • Recording Resolution Support: Up to 12 MP or above, with support for 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, UXGA, 720p, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF • Synchronous Playback: Supports up to 16 channels • Decoding Capability: <ul style="list-style-type: none"> ○ With AI enabled: Minimum 08-ch @ 05 MP (30 fps), 3-ch @ 8 MP (30 fps), 6-ch @ 4 MP (30 fps), or 12-ch @ 1080p (30 fps) ○ Without AI: Minimum 08-ch @ 05 MP (30 fps), 4-ch @ 8 MP (30 fps), 8-ch @ 4 MP (30 fps), or 16-ch @ 4MP (30 fps) <p>Network & Integration</p> <ul style="list-style-type: none"> • Remote Connection: Supports up to 128 simultaneous connections • API & Protocols: Must support ONVIF (Profile S, Profile G), SDK, ISAPI/CGI
-----	--

	<ul style="list-style-type: none"> • Network Interface: Minimum one RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface <p>Storage & Interfaces</p> <ul style="list-style-type: none"> • 2 SATA interfaces for HDD connection • Storage Capacity: Supports up to 16 TB per HDD • USB Interfaces: <ul style="list-style-type: none"> ○ Front Panel: Minimum one USB 2.0 ports ○ Rear Panel: Minimum one USB 2.0 port • Alarm Inputs/Outputs: Minimum 4 input channels and 1 output channel • Facial Detection & Analysis Performance: <ul style="list-style-type: none"> ○ Supports at least one channel at 8 MP • Face Picture Comparison: <ul style="list-style-type: none"> ○ Supports at least 4-channel comparison • Face Picture Library: <ul style="list-style-type: none"> ○ Supports up to 16 face picture libraries, with a total capacity of 20,000 face pictures (each image ≤ 4 MB, total storage ≤ 2.5 GB) <p>Recording Requirements</p> <ul style="list-style-type: none"> • Two 08 TB or one 16TB surveillance grade hard drive for branches/field offices. The number of hard drives will be decided on each site by keeping in view the size/number of cameras and to meet the requirements of 90 days recording. • Ensure 60 days recording for head office. The size/number of hard drives will be decided as per actual requirements basis.
12.	<p>Centralized monitoring Solution. (Professional Base License)</p> <p>A Video management software platform integrates and streamlines various security systems, allowing users to manage video surveillance, access control, alarms, and more from a single interface. It should enhance operational efficiency, improves situational awareness, and strengthens the overall protection of people and property. The professional base VMS should manage over 5,000 channels, expandable to 10,000, and support at least simultaneously 50 live camera streams along with 250 LAN cameras. The selected branches cameras (at least 1500 cameras) should be in list and out of which any 50 Cameras could be viewed simultaneously. It must ensure seamless recording, remote site monitoring, centralized management, video wall functionality, and efficient daily surveillance operations for ZTBL sites. The system should be robust, scalable, and highly efficient for enhanced security monitoring.</p> <p>Video Management System (VMS) – Key Specifications</p>

	<p>Video Security</p> <ul style="list-style-type: none"> • Comprehensive video monitoring with efficient search and quick incident review • Video export capability for evidence collection • Adaptive performance in low-bandwidth networks • Reliable and flexible storage options • Minimum 1500 cameras can be listed out of which Support for at least 50 simultaneous live camera views at a centralized location • One-click access to all cameras when required • Live view integration with a video wall • System capacity for 100 concurrent users • Should be fully compliant with existing system without any additional licenses. • Event logs for tracking incidents and evidence collection <p>Alarm Management</p> <ul style="list-style-type: none"> • Centralized management of various alarm sources • Real-time alarm displays and notifications (Email/SMS notification integration) <p>Remote Site Management</p> <ul style="list-style-type: none"> • Centralized multi-site system management with unified resource monitoring • Scalable multi-site support for devices, remote locations, and event handling <p>System Capacity & Performance</p> <ul style="list-style-type: none"> • Video & Encoding Devices: <ul style="list-style-type: none"> ○ Supports up to 5,000 encoding devices (2,000 via ONVIF protocol) ○ Central system supports up to 10,000 cameras (expandable) • Streaming Server Performance: <ul style="list-style-type: none"> ○ Video input/output bandwidth: 600 Mbps per streaming server • OS for VMS Server <ul style="list-style-type: none"> ○ Licenses windows Server 2022 or Higher. • OS for Control Client <ul style="list-style-type: none"> ○ Microsoft® Windows 11/10 • OS for Mobile Client <ul style="list-style-type: none"> ○ iOS 12.0 and later ○ Android 6.0 and late
13.	Hardware Specifications for Video Management System (VMS)

	<p>Processor (CPU)</p> <ul style="list-style-type: none"> Dual 4410Y processors, 2.0GHz, 30MB Cache, 12 Cores, 24 Threads <p>Memory (RAM)</p> <ul style="list-style-type: none"> Standard Configuration: 4 × 32GB RDIMM, 4800MT/s Expandable: 8 slots available with a single CPU, 16 slots with dual CPUs <p>Storage & Hard Disks</p> <ul style="list-style-type: none"> Standard Configuration: <ul style="list-style-type: none"> 2TB 7.2K SATA HDD × 2 (RAID 1) 2TB 7.2K SATA HDD × 2 (RAID 1) Storage Slots: 8 × 3.5-inch slots available <p>Storage Controller</p> <ul style="list-style-type: none"> PERC H355 Adapter LP (Supports RAID 0/1/10) <p>Operating System Support</p> <p>Windows Server 2022 or Higher.</p> <p>PCIe Slots</p> <ul style="list-style-type: none"> Single CPU Configuration: 4 PCIe slots Dual CPU Configuration: 6 PCIe slots <p>Remote Management & Monitoring</p> <ul style="list-style-type: none"> iDRAC9 Enterprise Open Manage™ Software: Supports Open Manage Enterprise with plugins for: <ul style="list-style-type: none"> PowerManager SupportAssist Update Manager
14.	<p>Aggregate Switch for Fiber</p> <ul style="list-style-type: none"> 24 Gigabit Ethernet ports, 24 Gigabit SFP optical ports and 6 10 Gigabit SFP + optical ports. Support static routing, policy routing, rip, OSPF,BGP,MPLS and other three-layer routing protocols. IGMP snooping and GRMP for filtering multicast traffic.

	<ul style="list-style-type: none"> ● Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning. ● Support IEEE 802.1x authentication, radius and bdtacacs + authentication. ● Support DHCP Server、DHCP Relay、DHCP Snooping. ● Support EAPs and ERPs Ethernet ring network protection protocol. ● QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism. ● Easy network management by web browser, Console, Telnet, SSH. ● SNMPv1/v2c/v3 for different levels of network management. ● SWitching Capacity : Whole-Device Performance: 598 Gbps ● Packet Forwarding Rate :Whole-Device Performance: 252 Mpps ● Packet Forwarding Rate :Port Performance: 252 Mpps
15.	<p>Core Switch:</p> <ul style="list-style-type: none"> ● 24 Gigabit electrical ports and 6 10 Gigabit SFP+ optical ports. ● Support static routing, policy routing, rip, OSPF,BGP,MPLS and other three-layer routing protocols. ● IGMP snooping and GRMP for filtering multicast traffic. ● Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning. ● Support IEEE 802.1x authentication, radius and bdtacacs + authentication. ● Support DHCP Server、DHCP Relay、DHCP Snooping. ● Support EAPs and ERPs Ethernet ring network protection protocol. ● QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism. ● Easy network management by web browser, Console, Telnet, SSH. ● SNMPv1/v2c/v3 for different levels of network management. ● SWitching Capacity : Whole-Device Performance: 168 Gbps ● Packet Forwarding Rate :Whole-Device Performance: 124.99 Mpps
16.	<p>16 port smart managed</p> <p>L2, Smart Managed, 16 Gigabit RJ45 PoE ports, 1 Gigabit RJ45 port, 1 Gigabit SFP port, 802.3af/at, PoE power budget 130W, VLAN, STP/RSTP loop prefention, PoE watchdog, Max. 300 meter PoE transmission, Rack mount</p>
17.	<p>08 ports smart managed switch</p> <p>L2, Smart Managed, 8 Gigabit RJ45 PoE ports, 2 Gigabit SFP port, 802.3af/at, PoE power budget 80W, VLAN, STP/RSTP loop prefention, PoE watchdog, Max. 300 meter PoE transmission, Desktop/Wall mount</p>
18.	<p>STORAGE FOR HEAD OFFICE</p> <p>Single controller,180 Ch(2Mbps) Record + playback with IPSAN mode, 512 Ch (2Mbps) Record + playback with Direct steaming mode,24 HDD(SATA), Redundant power supply.</p> <ul style="list-style-type: none"> ● Economical and stable hardware platform

	<ul style="list-style-type: none"> • HDD detection and repair/RAID optimization • Surveillance-specialized direct storage (Direct Streaming mode+IP SAN mode) • Advanced data protection (synchronous backup of key information in system disks) • Energy efficient and user-friendly UI • with Storage capacity of Head office cameras for 60 days @4MP, 25 fps. With Enterprise grade HDDs.
19.	<p>Video Wall 55" for centralized monitoring room at head office</p> <ul style="list-style-type: none"> • Industrial level LCD panel, suitable for continuous 24/7 operation • Switching between three picture modes: Monitoring, Meeting, and Movie • Factory calibration for color and brightness uniformity • Direct-lit LED backlight with uniform brightness and no boundary shadows • 1920 × 1080 resolution, 178° viewing angle • Ultra-narrow 3.5 mm bezel design • Anti-glare, high definition, high brightness, high color gamut, and vivid images with rich colors • Stable and 24-hour continuous working • Metal casing for preventing from radiation and magnetic & electric field interference • Floor standing with modular brackets available to meet various installation requirements <p>Pedestal Bracket: As per actual</p> <ol style="list-style-type: none"> Modular Pedestal Bracket for 55" LCD Screen Aluminum material, lightweight Easy installation and maintenance, compatible with the LCD video wall. <p>Frame Bracket: As per actual</p> <ol style="list-style-type: none"> Modular Pedestal Bracket for 55" LCD Screen Bracket of Rear-maintenance Aluminum material, light weight · Easy installation and maintenance, compatible with the LCD video wall
20.	<p>Video Wall controller</p> <ul style="list-style-type: none"> • Controller's input interface supports 3G-SDI, CVBS, HDMI, DVI and other formats. • Controller's input and output cards support mixed insertion. • Latency ≤50MS. Controller should be Low latency and high image quality.

	<ul style="list-style-type: none"> • Controller support dual redundant power supplies and smart temperature controlled fan • Controller's single board card supports a maximum of 4 HDMI inputs and 4 HDMI outputs • Controller supports a maximum of 32 divisions for a single output port. • Support Input signal source replication. • Support Onvif, Support Virtual LE • Controller required with 8 x HDMI inputs & 8 x HDMI outputs. • Support Cross-browser operation • Support non-compressed digital signal encoding output • 2 RJ-45 gigabit network ports for matrix control, preview • Remote reboot/upgrade/default setting and etc. operation • 4 RS232 ports (1 DB9, 3 RJ45), for console and control x 1 RS485 port • Temperature -8°C ~+54°C. • Number of cards slot should be 11. <p>Software:</p> <ul style="list-style-type: none"> • Browser/Web Based or Desktop (Remote Desktop) Application • Layout Management: Support all Layout from Video, • Scenarios management: Save & Load desktop layouts from Local/remote machines • Display & Scaling: Display multiple sources anywhere on display up to any size • Window Title: Add window title as per user convenience • Auto launch of Layouts (Presets) • Multi Viewer Option. • Remote management. <p>Installation: Complete onsite</p> <p>Note: LED walls, Video Wall Controller and Software Should be of Same Brand.</p>
21.	<p>Input Cards:</p> <p>HDMI Supported Card for Input 04 HDMI Interfaces x 8</p>
22.	<p>Output Cards:</p> <p>HDMI Supported Card for Input 04 HDMI Interfaces x 8</p>
23.	HDMI Cables of 4k Resolution for all the required devices.
24.	Network Cable 305 meter
25.	<p>Provision of Dummy NVR</p> <p>Dummy NVR designed to look like real NVRs (same as per quoted product), but they don't have any recording or viewing capabilities to safeguard original NVR from theft.</p>

26.	Power Supply (1.5A or 2A) – Required in branches where unmanaged switches are installed.
27.	ODF (OFDF 24 ports fully loaded for CCTV room end) <ul style="list-style-type: none"> • Rack-mounted type preferred (1U or 2U depending on available rack space). • Adapters: SC-UPC type or LC Duplex (finalize as per switch SFP interface).
28.	ODF (OFDF 12 ports fully loaded for CCTV room end) <ul style="list-style-type: none"> • Wall-mounted type preferred for compact deployment. • Adapters: SC-UPC or LC Duplex..
29.	SFP modules <ul style="list-style-type: none"> • Fiber Type: Multi-Mode (since within Data Center building). • Wavelength: 850nm. • Data Rate: 1Gbps, with option for 10Gbps if uplinks require scalability. • Connector Interface: LC Duplex. • Uplinks should support auto-negotiation 1G/10G for flexibility.
30.	OFC patch cards Sc to Lc <ul style="list-style-type: none"> • Fiber Type: Multi-Mode OM3/OM4. • Cable: Duplex. • Length: 2–3 meters (as per rack placement).
31.	PDU 06 ports for data rack <ul style="list-style-type: none"> • 3-Pin industrial grade with proper earthing. • Surge-protection preferred.
32.	Breaker (power breaker 6AMP single pole for data rack)
33.	Cable manager for data racks Vertical type in 42U rack.
34.	Data rack 9U indoor <ul style="list-style-type: none"> • Wall-mount indoor rack. • With front glass/mesh door for protection.
35.	Rack 06U outdoor <ul style="list-style-type: none"> • Outdoor wall-mount type.

	<ul style="list-style-type: none"> • With front lockable door (weather protected).
36.	PVC junction box 4x4
37.	Metal Box 8x8 for PTZ power supply <ul style="list-style-type: none"> • Size: 8x8 inches (standard). • Shape: Rectangular, lockable for safety.
38.	05 feet pole mounts for boundary wall <ul style="list-style-type: none"> • Poles shall be made of mild steel (MS) • Each pole shall have a base plate at the bottom. • Poles shall include camera mounting brackets/arms made of MS flat bar or pipe, powder-coated for rust resistance. • Poles shall include internal conduit for power and data cables, with entry/exit points protected by rubber grommets. • External surface-mounted conduits will not be accepted unless specifically approved. • The size of the pole can be increase/decreased as per actual site requirements.
39.	Poles 11 feet for outdoor cameras <ul style="list-style-type: none"> • Poles shall be made of mild steel (MS) • Each pole shall have a base plate at the bottom. • Poles shall include camera mounting brackets/arms made of MS flat bar or pipe, powder-coated for rust resistance. • Poles shall include internal conduit for power and data cables, with entry/exit points protected by rubber grommets. • External surface-mounted conduits will not be accepted unless specifically approved • The size of the pole can be increase/decreased as per actual site requirements.
40.	Rack 42U for control room <ul style="list-style-type: none"> • Loaded with PDU, cable managers, and fans. • Should support future scalability (minimum 1G/10G uplinks auto-negotiable).
41.	Input Cards for video walls HDMI Supported Card for Input 04 HDMI for 06 x inputs
42.	Output Cards for video walls HDMI Supported Card for output 04 HDMI interface supporting 06 x video screens
43.	UTP cat 06 cable roll 305 meter (Schneider/hike vision or equivalent)
44.	Power cable 2.5MM 02 core for centralized power
45.	OFC cable 12 core Single Mode

46.	PVC CHANNEL DUCT ADAM JEE or equivalent 16*38 (per 10 feet length)
47.	RJ 45 connectors
48.	PVC pipe 1” adam jee or equivalent
49.	Flexible Pipe Adam Jee or equivalent 1 Inch Per Feet

[The detailed technical compliance sheet is given at Annexure Z-B]

5. Operational Acceptance:

Operational Acceptance means that the supplies and services in the contract have been installed and run in operations after testing in accordance with the products’ parameters mentioned in the technical specifications and features meeting the technical requirements of the project. The centralized monitoring of CCTV for head office and field office shall be completed by vendor. The integration with existing system will also be responsibility of vendor. The supplier will ensure dedicated on-site support until operational acceptance. Any component identified and confirmed through OEM/Distributor or Dealer or by Physical Inspection or performance to be non-genuine, copy or refurbished will be rejected for acceptance and it will be supplier’s responsibility to replace that component or Equipment or the entire lot failing which the purchaser may terminate the contract.

Schedule of Requirements

Price Schedule:

[Bidders are required to quote prices as per Price schedule form given at Section VI]

Delivery Schedule:

- a. The Vendor shall complete the deliverables as specified under “Scope of Work (SoW)” section of this Bidding Document at ZTBL designated branches/sites within **06 months** after issuance of Purchase Order.
- b. In case supplier fails to timely deliver items/services, a penalty equivalent to 1% total value of delayed items may be deducted from the Performance Security or vendor invoice on per calendar week basis. the value of delayed items will be calculated from invoice amount.
- c. Delivery should be at ZTBL designated sites shared by ZTBL. In case the vendor failed to deliver the deliverables within given time, the bank reserves the right to impose laid delivery charges, forfeiture Bank Guarantee after reasonable delayed time and termination of contract.

Payment terms:

The payment terms are as following;

S#	Description	Payment (As per value of Purchase order)
1.	Payment of CCTV System for ZTBL Tier-I branches and Credit administration units on successful delivery, installation, configuration and Go-Live.	100% payment of items delivered for Tier-I branches and 31 CAD units as per actual requirements
2.	Supply of CCTV cameras to ZTBL branches against the issued purchase order.	100% payment of Cameras issued to branches as per value of PO
3.	Payment of CCTV System for ZTBL Head office and staff college on successful delivery, installation, configuration and Go-Live.	100% payment of items delivered for head office and staff college as per actual requirements
4.	Quarterly Payment of maintenance support after Go-Live (Payment will be made in PKR in equal quarters of SLA)	100%
5.	Payments of parts/replacement items	100% payment of replaced parts/items (which are not covered it warranty/SLA).

Note:

- i. Payment shall be made to the supplier in PKR, if applicable; the rate of conversion of dollar rate shall be selling rate of the invoice date.
- ii. ZTBL at its sole discretion reserves the right to process the one-time partial payment by recording the reasons of partial payment. The remaining payment shall be paid after the completion of complete deliverables.

**SECTION VI: STANDARD FORMS FOR
(Single Stage Two Envelope Procedure)**

Table of Forms

1. **Letter of Bid – Technical Proposal**
2. **Letter of Bid - Financial Proposal**
3. **Bidder Information Form**
4. **Price Schedule:**
5. **Manufacturer's Authorization**
6. **Form of Bid Security (Bid Bond)**
7. **Letter of Acceptance (Format)**
8. **Technical Compliance sheet (Annexure Z-B)**

Letter of Bid – Technical Proposal

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text in black font is to help Bidders in preparing this form and Bidders shall delete it from the final document.

Date of this Bid submission: *[insert date (as day, month and year) of Bid submission]*

Tender No.: *[insert number of Bidding process]*

Project Name: *[Insert title]*

To: *[insert complete name of Procuring Agency]*

We, the undersigned Bidder, hereby submit our Bid, in two parts, namely:

- (a) the Technical Proposal, and
- (b) the Financial Proposal.

In submitting our Bid we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the bidding document, including addenda issued in accordance with Instructions to Bidders (ITB 9);
- (b) **Eligibility:** We meet the eligibility requirements and have no conflict of interest in accordance with ITB 3;
- (c) **Bid/Proposal-Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Agency based on execution of a Bid Securing Declaration or Proposal Securing Declaration in the Procuring Agency's country in accordance with ITB 4;
- (d) **Conformity:** We offer to supply in conformity with the bidding document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods: *[insert a brief description of the Goods and Related Services]*;
- (e) **Bid Validity Period:** Our Bid shall be valid for the period specified in BDS 17.1 (as amended, if applicable) from the date fixed for the Bid submission deadline

- specified in BDS 23.1 (as amended, if applicable), and it shall remain binding upon us, and may be accepted at any time before the expiration of that period;
- (f) **Performance Security:** If our Bid is accepted, we commit to obtain a performance security in accordance with the bidding document;
 - (g) **One Bid per Bidder:** We are not submitting any other Bid(s) as an individual Bidder, and we are not participating in any other bid(s) as a Joint Venture member or as a subcontractor, and meet the requirements, other than Alternative Bids submitted in accordance with ITB 19;
 - (h) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Procuring Agency. Further, we are not ineligible under Pakistan laws;
 - (i) **State-owned enterprise or institution:** *[select the appropriate option and delete the other] [We are not a state-owned enterprise or institution] / [We are a state-owned enterprise or institution but meet the requirements of];*
 - (j) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
 - (k) **Not Bound to Accept:** We understand that you are not bound to accept the the Most Advantageous Bid or any other Bid that you may receive; and
 - (l) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us, or on our behalf, engages in any type of Fraud and Corruption.
 - (m) **Integration and inter-operability:** We undertake to accepts responsibility for the successful integration and inter-operability of all components of the Goods & services as required by the Bidding Documents.
 - (n) **Goods declaration:** We Undertake that the quoted Goods are genuine, brand new, non- refurbished, un-altered in any way, of the most recent / current model, imported through proper channel and not through any grey channels.
 - (o) In the case of a principle not doing business within Pakistan, the Bidder is or will be (if awarded the contract) represented by an Agent in Pakistan equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.
 - (p) **We undertake that we** accept complete responsibility for the successful integration and inter-operability of all components of the Goods & services as required by the Bidding Documents and scope of work.

Name of the Bidder: **[insert complete name of Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder: **
[insert complete name of person duly authorized to sign the Bid]

Title of the person signing the Bid: *[insert complete title of the person signing the Bid]*

Signature of the person named above:

Date signed *[insert date of signing]* **day of** *[insert month]*, *[insert year]*

*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

**: Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

Letter of Bid - Financial Proposal

INSTRUCTIONS TO BIDDERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE DOCUMENT

The Bidder must prepare the Letter of Bid - Financial Proposal on stationery with its letterhead clearly showing the Bidder's complete name and business address.

Note: All italicized text is to help Bidders in preparing this form.

Date of this Bid submission: *[insert date (as day, month and year) of Bid submission]*

Tender No.: *[insert number of bidding process]*

Name of Project.: *[insert identification]*

To: *[insert complete name of Procuring Agency]*

We, the undersigned Bidder, hereby submit the second part of our Bid, the Financial Proposal

In submitting our Financial Proposal we make the following additional declarations:

- (a) **Bid Validity Period:** Our Bid shall be valid for the period specified in BDS 17.1 (as amended, if applicable) from the date fixed for the bid submission deadline specified in BDS 23.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (b) **Total Price:** The total price of our Bid, excluding any discounts offered in item (c) below is:

In case of only one lot, the total price of the Bid is [insert the total price of the bid in words and figures, indicating the various amounts and the respective currencies];

In case of multiple lots, the total price of each lot is [insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies];

In case of multiple lots, total price of all lots (sum of all lots) [insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies];

- (c) **Discounts:** The discounts offered and the methodology for their application are:

- (i) The discounts offered are: *[Specify in detail each discount offered]*
- (ii) The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts];*
- (d) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*.

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

- (e) **Binding Contract:** We understand that this Bid, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.

Name of the Bidder:**[insert complete name of the Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder: **
[insert complete name of person duly authorized to sign the Bid]

Title of the person signing the Bid: *[insert complete title of the person signing the Bid]*

Signature of the person named above: *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* **day of** *[insert month]*, *[insert year]*

*: In the case of the Bid submitted by a Joint Venture specify the name of the Joint Venture as Bidder.

**: Person signing the Bid shall have the power of attorney given by the Bidder. The power of attorney shall be attached with the Bid Schedules.

Bidder Information Form (including experience)

[The Bidder shall fill in this Form in accordance with the instructions indicated below and place in technical proposal. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid submission]*

No.: *[insert number of Bidding process]*

Page _____ of _____ pages

1. Bidder's Name <i>[insert Bidder's legal name]</i>
2. In case of JV, legal name of each member : <i>[insert legal name of each member in JV]</i>
3. Bidder's actual or intended country of registration: <i>[insert actual or intended country of registration]</i>
4. Bidder's year of registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Address in country of registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 3.4. <input type="checkbox"/> Establishing that the Bidder is not under the supervision of the Procuring Agency
8. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Details of Contracts of Similar Nature and Complexity

(Use a separate sheet for each contract.)

1.	Name & Number of contract
2.	Name of Procuring Agency
3.	Procuring Agency address
4.	Contract role (check one) <input type="checkbox"/> Prime Supplier <input type="checkbox"/> Management Contractor <input type="checkbox"/> Subcontractor <input type="checkbox"/> Partner in a Joint Venture <input type="checkbox"/> any other
5.	Amount of the total contract/subcontract/partner share (in specified currencies at completion, or at date of award for current contracts)
6.	Equivalent amount PKR Total contract: ____; Subcontract: ____; Partner share: ____;
7.	Date of award/completion
8.	Contract was completed ____ months ahead/behind original schedule (if behind, provide explanation).
09.	Special contractual/technical requirements (scope)

Price Schedule Form

[The Bidder shall fill in these Price Schedule Forms and submit in financial; proposal in accordance with the instructions indicated. The Contract Price (and payment schedule) should be linked as much as possible to achievement of operational capabilities, not just to the physical delivery of technology]

Preamble:

Procuring agency should highlight any special requirements of the Goods & services and Contract in a Preamble to the Price Schedules. The following is an example of one such preamble;

1. The Price Schedules are divided into separate Schedules as follows:
 - i. Supply and Installation Cost Sub-Table(s)
 - ii. Recurrent Cost Sub-Tables(s)
 - iii. Grand Summary Cost Table
 - iv. *[insert: **any other Schedules as appropriate**]*
2. The Schedules do not generally give a full description of the information technologies to be supplied, installed, and operationally accepted, or the Services to be performed under each item. However, it is assumed that Bidders shall have read the Technical Requirements and other sections of these Bidding Documents to ascertain the full scope of the requirements associated with each item prior to filling in the rates and prices. The quoted rates and prices shall be deemed to cover the full scope of these Technical Requirements, as well as overhead and profit.
3. If Bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with the Instructions to Bidders in the Bidding Documents prior to submitting their bid.

Pricing

4. Prices shall be filled in indelible ink, and any alterations necessary due to errors, etc., shall be initialed by the Bidder. As specified in the Bid Data Sheet, prices shall be fixed and firm for the duration of the Contract.
5. Bid prices shall be quoted in the manner indicated and in the currencies specified in ITB Clauses 15. Prices must correspond to items of the scope and quality defined in the Technical Requirements or elsewhere in these Bidding Documents.
6. The Bidder must exercise great care in preparing its calculations, since there is no opportunity to correct errors once the deadline for submission of bids has passed. A single error in specifying a unit price can therefore change a Bidder's overall total bid price substantially, make the bid noncompetitive, or subject the Bidder to possible loss. The Procuring Agency will correct any arithmetic error.
7. Payments will be made to the Supplier in the currency or currencies indicated under each respective item. As specified in ITB Clause 15.1 (ITB Clause 28.1 in the two-stage SBD), no more than three foreign currencies may be used. The price of an item should be unique regardless of installation site.

Price Schedule

Bidders need to provide the pricing in strict compliance with the below format. Anything quoted financially outside the below template will not be considered and may result in disqualification of the bidder for tendering process. The below constitutes the price of support/ maintenance, and all offerings as part of this RFP on part of the bidder.

1	2	3	4	5	6	7
S/N	Description of Goods (Reference SOW)	Qty	Unit price without tax	Tax rate	Unit Price with tax	Total price inclusive of all taxes
Field Office items						
1.	Centralized monitoring Solution (Professional Base License) to be installed at ZTBL head office	01				
2.	Minimum 05 MP Camera (Dome Type)	114				
3.	Minimum 05 MP Camera (Bullet Type)	37				
4.	Minimum 04 MP Camera (Dome Type)	109				
5.	Minimum 04 MP Camera (Bullets Type)	180				
6.	Minimum 02 MP Camera (Dome Type)	149				
7.	NVR 08 channel with 08 TB HDD (On need basis)	31				
8.	NVR 16 channel with 16 TB HDD (On need basis)	Per unit rate				
9.	POE switch 24 ports	Per unit rate				
10.	LED screen 32"	Per unit rate				
11.	Dummy NVR	501				
12.	Centralized monitoring Solution (Professional	01				
13.	Hardware Specifications for Video Management System (VMS)	01				
14.	Additional 10 TB Hard drives for storage. (The number of hard drives will be decided as per actual requirements)	01				

<i>Head office items</i>						
15.	Minimum 04 MP Camera (Bullet Type)	68				
16.	Minimum 04 MP Camera (Dome Type)	86				
17.	Minimum 05 MP Camera (Bullet Type)	37				
18.	PTZ camera 08 MP	04				
19.	PTZ camera 04 MP	03				
20.	NVR 16 channel	01				
21.	Joy stick (Three dimensional joystick control of PTZ function)	01				
22.	Aggregate Switch for Fiber	01				
23.	Core Switch	01				
24.	16 port smart managed	10				
25.	08 ports smart managed switch	10				
26.	Storage for Head Office	01 Job				
27.	Video walls with brackets stand & frame	06				
28.	Video wall controller	01				
29.	ODF (OFDF 24 ports fully loaded for CCTV room end)	03				
30.	ODF (OFDF 12 ports fully loaded for CCTV	20				
31.	SFP modules	24				
32.	OFC patch cards Sc to Lc	50				
33.	PDU 06 ports for data rack	20				
34.	Breaker (power breaker 6AMP single pole for	20				
35.	Cable manager for data racks	20				
36.	Data rack 9U indoor	10				
37.	Rack 06U outdoor	10				
38.	PVC junction box 4x4	154				
39.	Metal Box 8x8 for PTZ power supply	06				
40.	05 feet pole mounts for boundary wall	25				
41.	Poles 11 feet for outdoor cameras	10				

42.	Rack 42U for control room	02				
43.	Input Cards for video walls	02				
44.	Output Cards for video walls	02				
45.	UTP cat 06 cable roll 305 meter	Per roll rate				
46.	Power cable 2.5MM 02 core for centralized power	Per meter				
47.	OFC cable 12 core Single Mode	Per meter				
48.	PVC CHANNEL DUCT ADAM JEE 16*38 (per 10 feet length)	Per unit				
49.	RJ 45 connectors	Per box rate				
50.	PVC pipe 1" adam jee	Per length				
51.	Flexible Pipe Adam Jee 1 Inch Per Feet	Per length				
52.	Installation & commissioning for only 31 CAD Hubs and 37 Tier-I branches).	01 Job				
53.	Installation & commissioning only for ZTBL head office and staff college.	01 job				
54.	Per branch visit cost across the country (for any additional site as per ZTBL requirements)	Per site				
55.	Cost of service level agreement for three years. (as per scope of work and with one resident engineer)	03 years				
56.	Price List of spare parts (for burnt items not covered in warranty)					
Grand Total						

Note:

- In case of discrepancy between unit price and total, the unit price shall prevail.

- All prices inclusive of all governing and prevailing taxes.
- The Price of parts shall be valid during SLA. Bidders can quote the imported parts in US Dollar.
- Price of any additional item required for successful operationalization of project will be decided mutually.
- Price of additional ancillary items (not listed in price schedule) will be paid as per actual basis.
- For calculation of installation and commissioning cost please carefully read the terms and list of items given in Scope of work.
- The project will be awarded in single LOT on technically compliant lowest total price basis. Price list of spare parts (serial 56) will not be used for financial evaluation.

Name of Bidder:	
Authorized Signature of Bidder:	

Manufacturer’s Authorization Form

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its technical Bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid submission]*
No.: *[insert number of bidding process]*
Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Procuring Agency]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of product]*, having factories at *[insert full address of Manufacturer’s factories]*, do hereby authorize *[insert complete name of Bidder]* (hereinafter, the “Bidder”) to submit a bid and subsequently negotiate and sign a Contract with you for resale of the following Products produced by us:
We hereby extend our full guarantee and warranty in accordance with Clause 29 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Form of Bid Security

{to be filled on company letter head and placed in Technical proposal}

Beneficiary: *[Procuring Agency to insert its name and address]*

Tender No.: *[Insert Tender No]*

Alternative No.: *[Insert identification No if this is a Bid for an alternative]*

Date: *[Insert date]*

CDR No.: *[Insert Bank CDR reference number]*

We have submitted the bid against in accordance to terms and conditions of this bid document. We bind ourselves, our successors and assigns, jointly and severally, firmly and undertake that ZTBL reserves the right to en-cash/forfeit the bid security if bidder;

- (a) has withdrawn its Bid during the period of Bid validity set forth in the Applicant's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Applicant, (i) has failed to sign the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

The bid security shall remain in full force and effect up to and including the date 28 days after the date of expiration of the Bid Validity Period set forth in the Principal's Letter of Bid or any extension thereto provided/requested by the Procuring agency.

[Signature(s)]

Letter of Acceptance (Format)

[This will be issued by ZTBL to vendor for acceptance of LOI/Bid]

[date]

To: *[name and address of the Supplier]*

This is to notify you that your Bid dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Special Conditions of Contract]* for the Contract Price of the equivalent of *[amount in numbers and words]* *[name of currency]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by us.

We hereby confirm *[insert the name of the Appointing Authority]*, to be the Appointing Authority, to appoint the Arbitrator in case of any arisen disputes.

You are hereby informed that after you have read and return the attached draft Contract the parties to the contract shall sign the vetted contract within fourteen (07 to 10) working days.

You are hereby required to furnish the Performance Guarantee/Security in the form and the amount stipulated in the Special Conditions of the Contract within a period of fourteen (07 to 10) days after the receipt of Letter of Acceptance.

Authorized Signature:

Name and Title of Signatory:

Name of Agency (ZTBL):

Attachment: draft Contract

Copy: Appointing Authority and Supplier Affidavit on non-judicial stamp paper confirming that the bidding firm has never been black-listed and there is no conflict of interest.

Form for Affidavit of Blacklisting on Non-Judicial Stamp Paper

<p>Tender No. <u>ZTBL-XX-2025</u></p> <p>Bid Title: _____</p> <p>In the context of above stated tender, We M/s _____, hereinafter referred as “bidding firm”, hereby solemnly state and confirm:</p> <p>i. That as of today, we have never been blacklisted by any Govt./Semi Govt./Autonomous organization all over Pakistan.</p> <p>ii. That hiring of M/s _____ for the above mentioned assignment, by its nature, is not in conflict with another assignment of the bidding firm.</p> <p>Signed _____</p> <p>Name _____</p> <p>In the capacity of _____</p> <p>Authorized to Sign for and on behalf of M/s _____</p> <p>_____</p> <p>Date _____</p>

PART-B – CONDITIONS OF CONTRACT AND CONTRACT FORMS
Form of Draft Contract
(To be signed with Successful bidder)

THIS AGREEMENT made the _____ day of _____, 2025 between *Zarai tarqati bank limited (ZTBL)* of Pakistan (hereinafter called “the Procuring Agency”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Procuring Agency invited Bids for certain goods and related -services, viz., *[Procurement of XXXXXXXXX Tender No. ZTBL-XX-2025]* and has accepted a Bid by the Supplier for the supply of those goods and related services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-
 - I. This form of Contract;
 - II. the Form of Bid and the Price Schedule submitted by the Bidder;
 - III. the Schedule of Requirements;
 - IV. the Technical Specifications;
 - V. the General Conditions of the Contract;
 - VI. the special conditions of the contract;
 - VII. the Procuring Agency’s Letter of Acceptance;
 - VIII. The purchase order issued by ZTBL; and
 - IX. Any other formal communication between parties
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to provide the goods and related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the goods and related services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

For

M/s.

NAME

For

ZARAI TARAQIATI BANK LTD.

NAME

SIGNATURE & OFFICIAL STAMP

WITNESS:

NAME
SIGNATURE & OFFICIAL STAMP

SIGNATURE & OFFICIAL STAMP

NAME
SIGNATURE & OFFICIAL STAMP

GENERAL CONDITIONS OF THE CONTRACT (GCC)

GENERAL CONDITIONS OF THE CONTRACT (GCC)

1.	Definitions	1.1	The following words and expressions shall have the meanings hereby assigned to them:
		a)	“Authority” means Public Procurement Regulatory Authority.
		b)	The “Arbitrator” is the person appointed with mutual consent of both the parties, to resolve contractual disputes as provided for in the General Conditions of the Contract GCC Clause 31 hereunder.
		c)	The “Contract” means the agreement entered into between the Procuring Agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
		d)	The “Commencement Date” is the date when the Supplier shall commence execution of the contract as specified in the SCC .
		e)	“Delivery” means the transfer of the goods from the supplier equipment, machinery, and /or other materials which the Supplier is required to supply to the Procuring Agency under Contract.
		f)	“Country of Origin” means the countries and territories eligible under the PPRA Rules 2004 and its corresponding Regulations as further elaborated in the SCC .
		g)	The “Contract Price” is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
		h)	“Effective Contract date” is the date shown in the Certificate of Contract Commencement issued by the Procuring Agency upon fulfillment of the conditions
		i)	“Procuring Agency” means the person named as Procuring Agency in the SCC and the legal successors in title to this person, procuring the Goods and related service, as named in SCC .
		j)	“Related Services” means those services ancillary to the delivery of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision

			of technical assistance, training, initial maintenance and other such obligations of the Supplier covered under the Contract.
		k)	“GCC” means the General Conditions of Contract contained in this section.
		l)	“Intended Delivery Date” is the date on which it is intended that the Supplier shall effect delivery as specified in the SCC .
		m)	“SCC” means the Special Conditions of Contract.
		n)	“Supplier” means the individual private or government entity or a combination of the above whose Bid to perform the contract has been accepted by the Procuring Agency and is named as such in the Contract Agreement, and includes the legal successors or permitted assigns of the supplier and shall be named in the SCC .
		o)	“Project Name” means the name of the project stated in SCC .
		p)	“Day” means calendar day.
		q)	“Eligible Country” means the countries and territories eligible for participation in accordance with the policies of the Federal Government.
		r)	“End User” means the organization(s) where the goods will be used, as named in the SCC .
		s)	“Origin” means the place where the Goods were mined, grown, or produced or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new produce results that is substantially different in basic characteristics or in purpose or utility from its components.
		t)	<p>“Force Majeure” means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.</p> <p>For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances. and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force</p>

			Majeure to prevent), confiscation or any other action by Government agencies.
		u)	“Specification” means the Specification of the Goods and services in accordance with the relevant standards included in the Contract and any modification or addition made or approved by the Procuring Agency.
		v)	The “Contract Price” is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
		w)	“Defective Goods” are those goods which are below standards, requirements or specifications.
		x)	“Intended Delivery Date” is the date on which it is intended that the Supplier shall effect delivery as specified in the SCC.
2.	Application and interpretation	2.1	<p>These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.</p> <p>In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.</p>
		2.2	<p>The documents forming the Contract shall be interpreted in the following order of priority:</p> <ol style="list-style-type: none"> (1) Form of Contract, (2) Special Conditions of Contract, (3) General Conditions of Contract, (4) Letter of Acceptance, (5) Certificate of Contract Commencement (6) Specifications (7) Contractor's Bid, and

			(8) Any other document listed in the Special Conditions of Contract as forming part of the Contract.
3	Conditions Precedent	3.1	Having signed the Contract, it shall come into effect on the date on which the following conditions have been satisfied: - a) Submission of performance Security (or guarantee) in the form specified in the SCC; b) Furnishing of Advance Payment Unconditional Guarantee.
		3.2	If the Condition precedent stipulated on GCC Clause 3.1 is not met by the date specified in the SCC this contract shall not come into effect;
		3.3	If the Procuring Agency is satisfied that each of the conditions precedent in this contract has been satisfied (except to the extent waved by him, but subject to such conditions as he shall impose in respect of such waiver) he shall promptly issue to the supplier a certificate of Contract commencement, which shall confirm the start date
4	Governing Language	4.1	The Contract as all correspondence and documents relating to the contract exchanged by the Supplier and the Procuring Agency shall be written in the language specified in SCC. Subject to GCC Clause 3.1, the version of the Contract written in the specified language shall govern its interpretation.
5	Applicable Law	5.1	The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.
6	Country of Origin	6.1	The origin of Goods and Services may be distinct from the nationality of the Supplier.
7	Standards	7.1	The Goods supplied under this Contract shall conform to the standards mentioned in the bid document, and, when no applicable standard is mentioned, the American Standards (such as ACI, IEEE, ASME, etc.) or the Pakistani standards such as PSQCA Such standards shall be the latest issued by the concerned institution.
8	Use of Contract Documents and	8.1	The Supplier shall not, without the Procuring Agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information

	Information; Inspection and Audit by the Government of Pakistan		<p>furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract.</p> <p>Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.</p>
		8.2	The Supplier shall not, without the Procuring Agency's prior written consent, make use of any document or information enumerated in GCC Clause 8.1 except for purposes of performing the Contract.
		8.3	Any document, other than the Contract itself, enumerated in GCC Clause 7.1 shall remain the property of the Procuring Agency and shall be returned (all copies) to the Procuring Agency on completion of the Supplier's performance under the Contract if so required by the Procuring Agency
		8.4	The Supplier shall permit the Government of Pakistan or / and donor agencies involved in financing the project to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Government of Pakistan or / and the appropriate donor agencies, if so required by the Government of Pakistan or / and the appropriate donor agencies.
9	Patent and Copy Rights	9.1	The Supplier shall indemnify the Procuring Agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in Pakistan.
		9.2	The patent right in all drawings, documents, and other materials containing data and information furnished to the Procuring Agency by the Supplier herein shall remain vested in the supplier, or, if they are furnished to the Procuring Agency directly, or through the Supplier by any third party, including suppliers of materials, the patent right in such materials shall remain vested in such third party.
10	Performance Security (or Guarantee)	10.1	The Performance Security (or Guarantee) shall be provided to the Procuring Agency no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Procuring Agency, and

			denominated in the types and proportions of the currencies in which the Contract Price is payable as specified in the SCC. The procuring agency may extend the date as per its sole discretion.
		10.2	The proceeds of the Performance Security (or Guarantee) shall be payable to the Procuring Agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
		10.3	The Performance Security (or Guarantee) shall be in one of the following forms: a) A bank guarantee, an irrevocable letter of credit issued by a reputable bank, or in the form provided in the Bidding Documents or another form acceptable to the Procuring Agency; or b) A cashier's or certified check. c) CDR (valid till the completion of contract) d) Any other instrument allowed by procuring agency
11	Inspections and Test	11.1	The Procuring Agency or its representative shall have the right to inspect and /or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring Agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring Agency shall notify the Supplier in writing or in electronic forms that provide record of the content of communication, in a timely manner, of the identity of any representatives retained for these purposes.
		11.2	If any inspected or tested Goods fail to conform to the Specifications, the Procuring Agency may reject the Goods, and the Supplier shall replace the rejected Goods to meet specification requirements free of cost to the Procuring Agency.
		11.3	The Procuring Agency's right to inspect, test and, where necessary, reject Goods after the Goods' arrival in the Procuring Agency's country shall in no way be limited or eared by reason of the Goods having previously been inspected, tested, and passed by the Procuring Agency or its representative prior to the Goods' shipment from the country of origin.
		11.4	Nothing in GCC Clause 10 shall in any way release the supplier from any warranty or other obligations under this Contract.

			The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring Agency.
12	Packing	12.1	The supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit.
		12.2	The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring Agency.
13	Delivery and Documents	13.1	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and or other documents to be furnished by the Supplier as specified in SCC.
		13.2	For purposes of the Contract, "EXW", "FOB", "FCA", "CIF", "CIP," and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris.
		13.3	Documents to be submitted by the Supplier are specified in SCC.
14	Insurance	14.1	The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner specified in the SCC.
15	Transportation	15.1	Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier

			at the place named by the Procuring Agency or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price
		15.2	Where the Supplier is required under Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in Pakistan, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
		15.3	Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within Pakistan, defined as the Project Site, transport to such place of destination in Pakistan, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
16	Related Services	16.1	<p>The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:</p> <ul style="list-style-type: none"> a) Performance or supervision of on-site assembly, Installation Commissioning and/or start-up of the supplied Goods; b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods; c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under the contract. e) Training of the Procuring Agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. f) Any other related services required in RFP
		16.2	<p>Prices charged by the Supplier for related services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>If required, the procuring agency may also conduct the market survey of such additional related services and supplier shall match the price as per market survey conducted by procuring agency.</p>
17	Spare Parts	17.1	As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and

			<p>information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p>a) Such spare parts as the Procuring Agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</p> <p>b) In the event of termination of production of the spare parts:</p> <p>i) advance notification to the Procuring Agency of the pending termination, in sufficient time to permit the Procuring Agency to procure needed requirements; and</p> <p>ii) following such termination, furnishing at no cost to the Procuring Agency, the blueprints, drawings, and specifications of the spare parts, if requested.</p>
18	Warranty/ Defect Liability Period	18.1	The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring Agency, specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in Pakistan.
		18.2	This warranty shall remain valid for a period specified in the SCC after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract.
		18.3	The Procuring Agency shall promptly notify the Supplier in writing or in electronic forms that provide record of the content of communication of any claims arising under this warranty.
		18.4	Upon receipt of such notice, the Supplier shall, within the period specified in SCC/SLA and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring Agency other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from EXW or the port or place of entry to entry to the final destination
		18.5	If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the Procuring Agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Agency may have against the Supplier under the Contract.

19	Payment	19.1	The method and conditions of payment to be made to the Supplier under this Contract has been specified in RFP/SCC.
		19.2	The Supplier's request(s) for payment shall be made to the Procuring Agency in writing or in electronic forms that provide record of the content of communication, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 13, and upon fulfillment of other obligations stipulated in the Contract.
		19.3	Payments shall be made promptly by the Procuring Agency, within thirty (30) days after submission of an invoice or claim by the Supplier, subject to satisfactory delivery and error free invoice documents.
		19.4	The currency or currencies in which payment is made to the Supplier under this Contract shall be specified in SCC subject to the following general principle: payment will be made in the currency or currencies in which the payment has been requested in the Bid document.
		19.5	All payments shall be made in the currency or currencies specified in the SCC pursuant to GCC Clause 19.4
20	Prices	20.1	The contract price shall be as specified in the Letter of Intent or Contract Agreement Subject to any additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
		20.2	Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Bid, with the exception of any price adjustments authorized in SCC or in the Procuring Agency's request for Bid Validity extension, as the case may be.
21	Change Orders	21	<p>The Procuring Agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 22, make changes within the general scope of the Contract in any one or more of the following:</p> <ul style="list-style-type: none"> a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring Agency; a) The method of shipment or packing; b) The place of delivery; and/or c) The Services to be provided by the Supplier.

		21.2	If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring Agency change order.
		21.3	Prices to be charged by the supplier for any related services that might be needed but which were not included in the Contract shall be agreed upon in advance by the Parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
22	Contract Amendments	22.1	Subject to GCC Clause 20, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
23	Assignment	23.1	Neither the Procuring Agency nor the Supplier shall assign, in whole or in part, obligations under this Contract, except with the prior written consent of the other party.
24	Sub-contracts	24.1	The Supplier shall consult the Procuring Agency in the event of subcontracting under this contract if not already specified in the Bid. Subcontracting shall not alter the Supplier's obligations.
		24.2	Subcontracts must comply with the provision of GCC Clause 5.
25	Delays in the Supplier's Performance	25.1	Delivery of the Goods and performance of Services shall be made by /the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements.
		25.2	If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring Agency in writing or in electronic forms that provide record of the content of communication of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract. The request for extension of delivery timelines shall be submitted before completion of original delivery timelines.
		25.3	Except as provided under GCC Clause 28, a delay by the Supplier in the performance of its delivery obligations shall render the

			Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon pursuant to GCC Clause 25.2 without the application of liquidated damages.
26	Liquidated Damages	26.1	Subject to GCC Clause 28, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in schedule of requirements/SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in SCC. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 26.
27	Termination for Default	27.1	The Procuring Agency or the Supplier, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the concerned party may terminate the Contract if the other party causes a fundamental breach of the Contract.
		27.2	<p>Fundamental breaches of Contract shall include, but shall not be limited to the following:</p> <ul style="list-style-type: none"> a) The Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 24; or b) The Supplier fails to perform any other obligation(s) under the Contract; c) Supplier's failure to submit performance security (or guarantee) within the time stipulated in the SCC; d) The supplier has abandoned or repudiated the contract. e) The Procuring Agency or the Supplier is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation; f) A payment is not paid by the Procuring Agency to the Supplier after 84 days from the due date for payment; g) The Procuring Agency gives Notice that goods delivered with a defect is a fundamental breach of Contract and the Supplier fails to correct it within a reasonable period of time determined by the Procuring Agency; and h) If the Procuring Agency determines, based on the reasonable evidence, that the Supplier has engaged in corrupt, coercive,

			collusive, obstructive or fraudulent practices, in competing for or in executing the Contract.
		27.3	For the purpose of this clause: “Corrupt and Fraudulent Practice” means the practices as described in Rule-2 (1) (f) of Public Procurement Rules-2004.
		27.4	In the event the Procuring Agency terminates the Contract in whole or in part, pursuant to GCC Clause 26.1, the Procuring Agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring Agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.
28	Termination for Force Majeure	28.1	Notwithstanding the provisions of GCC Clauses 25, 26, and 27, neither Party shall have any liability or be deemed to be in breach of the Contract for any delay nor is other failure in performance of its obligations under the Contract, if such delay or failure is a result of an event of Force Majeure. For purpose of this clause, “Force Majeure” means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent
		28.2	If a Party (hereinafter referred to as “the Affected Party”) is or will be prevented from performing its substantial obligation under the contract by Force Majeure, it shall give a Notice to the other Party giving full particulars of the event and circumstance of Force Majeure in writing or in electronic forms that provide record of the content of communication of such condition and the cause thereof. Unless otherwise directed by the Procuring Agency in writing or in electronic forms that provide record of the content of communication, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical,

			and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
29	Termination for Insolvency	29.1	The Procuring Agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Agency.
30	Termination for Convenience	30.1	The Procuring Agency, by written notice sent to the Supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring Agency's convenience, the Contract is terminated, and the date upon which such termination becomes effective.
		30.2	The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Agency at the Contract terms and price. For the remaining Goods, the Procuring Agency may elect: a) To have any portion completed and delivered at the Contract terms and prices; and / or b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.
31	Disputes Resolution	31.1	In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty-eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by either party to an arbitrator that shall be appointed by mutual consent of the both parties.
		31.2	After the dispute has been referred to the arbitrator, within 30 days, or within such other period as may be proposed by the Parties, the Arbitrator shall give its decision. The rendered decision shall be binding to the Parties.
32	Procedure for Disputes Resolution	32.1	The arbitration shall be conducted in accordance with the arbitration procedure published by the Institution named and in the place shown in the SCC.
		32.2	The rate of the Arbitrator's fee and administrative costs of arbitration shall be borne equally by the Parties. The rates and costs

			shall be in accordance with the rules of the Appointing Authority. In conducting arbitration to its finality each party shall bear its incurred costs and expenses.
33	Replacement of Arbitrator	33.1	Should the Arbitrator resign or die, or should the Procuring Agency and the Supplier agree that the Arbitrator is not functioning in accordance with the provisions of the contract, a new Arbitrator shall be appointed by mutual consent of the both parties
34	Limitation of Liability	34.1	Except in cases of criminal negligence or willful conduct, and in the case of infringement pursuant to GCC Clause 8, a) The supplier shall not be liable to the Procuring Agency, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Agency; and b) The aggregate liability of the Supplier to the Procuring Agency, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment or to any obligation of the Supplier to indemnify the Procuring Agency with respect to patent infringement.
35	Notices	35.1	Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or in electronic forms that provide record of the content of communication and confirmed in writing or in electronic forms that provide record of the content of communication to the other party's address specified in SCC.
		35.2	A notice shall be effective when delivered or on the notice's effective date, whichever is later.
36	Taxes and Duties	36.1	A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside Pakistan.
		36.2	If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Pakistan the Procuring Agency shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
		36.3	A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.
		36.4	In case of change of tax rates by FBR/GoP the quoted taxes shall be charged as per actual.

37	Contract Validity & renewal	37.1	The contract initially validity shall be as given in SCC. The bidder shall perform its obligations as per scope of contract and in line with issued purchase order (s).
		37.2	The contract period may be renewed on annual basis/need basis with mutual consent of both parties.
38	Other Special Conditions of Contracts	38.1	The other conditions pf the contract such as Service Level Agreement etc. shall be as given in SCC.

Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) shall supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in parentheses.

SCC Clause Number	GCC Clause Number	Amendments of, and Supplements to, Clauses in the GCC
		Definitions (GCC 1)
1.	1.1	The Procuring Agency is: <i>[ZTBL through its Head GSD]</i>
2.	1.1(j)	The Supplier is: <i>[Name and address]</i>
3.	1.1(q)	The title of the subject procurement or The Project is: <i>[as per RFP]</i>
		Governing Language (GCC 4)
4.	4.1	The Governing Language shall be: English
		Applicable Law (GCC 5)
5.	5.1	The Applicable Law shall be: Laws of the Pakistan
		Country of Origin (GCC 6)
6.	6.1	Country of Origin is Pakistan
		Performance Security (or guarantee) (GCC 10)
7.	10.1	The amount of performance security (or guarantee), as a percentage of the Contract Price, shall be: <i>10% or mentioned in bid document</i>
8.	10.4	After delivery and acceptance of the Goods, <i>10% or mentioned in bid document</i> percent of the Performance Security (or guarantee) shall be withheld to cover the Supplier's warranty obligations in accordance with GCC Clause 18.2.
		Inspections and Tests (GCC 11)
9.	11.1	Inspection and tests prior to shipment of Goods and at final

		<p>acceptance are as follows:</p> <p>Quality and quantity inspection shall be carried out prior to shipment of Goods by the manufacturer(s) at the supplier's own expense and responsibility in terms of the items specified in the specifications. The supplier shall submit the inspection certificate issued by himself which should be attached with the certificate(s) of the manufacturer(s) to the Procuring Agency in order to ensure that the goods are manufactured in compliance with the contract.</p> <p>After the delivery of goods at designated sites the procuring agency shall again inspect that goods are delivered as per requirements.</p>
	Packing (GCC Clause 12)	
10.	12.2	<p>The following SCC shall supplement GCC Clause 12.2:</p> <p>The Goods shall be packed properly in accordance with standard export packing specified by the Procuring Agency in the Technical Specification.</p>
	Delivery and Documents (GCC Clause 13)	
11.	13.3	<p>For Goods from within Pakistan:</p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the Procuring Agency and mail the following documents to the Procuring Agency:</p> <ul style="list-style-type: none"> (i.) one original plus four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii.) delivery note, railway receipt, or truck receipt; (iii.) Manufacturer's or Supplier's warranty certificate; (iv.) inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (v.) certificate of country of origin issued by Pakistan Chamber of Commerce and Industry or equivalent authority in the country of origin in duplicate. <p>The above documents shall be received by the Procuring Agency before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>

	Insurance (GCC Clause 14)	
12.	14.1	The Insurance (if required by bidder) shall be in an amount equal to 110 percent of the applicable INCOTERM value of the Goods from “warehouse” to “warehouse” on “All Risks” basis, including War Risks and Strikes.
	Related Services (GCC Clause 16)	
13.	16.1	Related services to be provided are: <i>[Selected services covered under GCC Clause 16]</i>
	Spare Parts (GCC Clause 17)	
14.	17.1	Additional spare parts requirements are: N/A
	Warranty (GCC Clause 18)	
15.	18.2	<p>GCC Clause 17.2—In partial modification of the provisions, the warranty period shall be <u>30 days</u> from date of acceptance of the Goods or 30 days from the date of shipment, whichever occurs earlier. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:</p> <p>(a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4,</p> <p style="text-align: center;">or</p>

		<p>(b) pay liquidated damages to the Procuring Agency with respect to the failure to meet the contractual guarantees.</p> <p>The rate of these liquidated damages shall be 05 percent per week of undelivered materials/goods value up to the sum equivalent to the amount of ten percent of the contract value.</p>
16.	18.4 & 18	The period for correction of defects in the warranty period is: 10 days
	Payment (GCC Clause 19)	
17.	19.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:
	19.2	<p><u>Payment for Goods and Services supplied from within Pakistan:</u></p> <p>Payment for Goods and Services supplied from within Pakistan shall be made in Pakistani Rupees, as follows:</p> <p>I. Payment terms: The payment terms mentioned in RFP schedule of requirements shall prevail.</p> <p>II. Advance Payment: No advance payment shall be made.</p> <p>III. On Acceptance: The Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate for the respective delivery issued by the Procuring Agency.</p>
	19.3	No interest shall be paid on late payment by procuring agency
	Prices (GCC 20)	
18.	20.1	<p>Prices shall be adjusted in accordance with provisions in the Attachment to SCC.</p> <p><i>[Price adjustment is not applicable in this case]</i></p>
	Liquidated Damages (GCC Clause 26)	
19.	25.1	<p>Applicable rate: <i>[05% per week]</i></p> <p>Maximum deduction: is equal to the performance security.</p>
	Procedure for Dispute Resolution (GCC Clause 32)	

20.	32.3	<p>For Contracts to be entered with nationals of Pakistan:</p> <ol style="list-style-type: none"> 1. If any dispute of any kind whatsoever shall arise between the Procuring Agency and the Supplier in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract- whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 7 (seven) days following a notice sent by one Party to the other Party in this regard. 2. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties. 3. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties. The Arbitration shall take place in [Islamabad] and proceedings will be conducted in – [English] language. 4. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer’s fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute. 5. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after delivery of goods. 6. Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Procuring Agency shall pay the Supplier any monies due to the Supplier.
	Notices (GCC Clause 35)	
21.	35.1	<p>– Procuring Agency’s address for notice purposes:</p> <p>Mr. Asim Inayat, Head, Assets & Logistics Department, ZTBL Head Office, Zero Point Islamabad.</p> <p>–Supplier’s address for notice purposes:</p>
22.	37.1	The contract initially validity shall be 03 years/as mentioned in scope of work. The bidder shall perform its obligations as

		per scope of contract and in line with issued purchase order (s).
23.	37.2	The contract period may be renewed on annual basis/need basis with mutual consent of both parties.
24.	38.1	<p>SERVICE LEVEL AGREEMENT</p> <p>GENERAL</p> <p>Scope of Services</p> <p>The Service Level Agreement (SLA) shall apply to (Field Offices) and (Head Office) of the CCTV System Project and shall remain effective for a period of three (03) years from the date of successful commissioning and acceptance of the entire system. This SLA covers maintenance, support, and operational availability of all hardware, software, and associated components.</p> <p>Suggest any service improvement & security enhancement plan as per the best practices standards from Regulator i-e SBP.</p> <p>A dedicated Project Manager will be assigned for the project who will present outcomes to the ZTBL's Management on monthly basis.</p> <p>The successful bidder shall deploy qualified resident engineers</p> <ol style="list-style-type: none"> Responsibilities of the Resident Engineer include: Day-to-day technical support and issue resolution Preventive and corrective maintenance Firmware and software updates Coordination with OEM (if applicable) <p>Preventive Maintenance Services</p> <ul style="list-style-type: none"> The bidder shall conduct quarterly preventive maintenance at each site covered under the contract. Maintenance shall include inspection, testing, cleaning, firmware updates, and performance optimization. <p>SEVERITY LEVEL & RESPONSE TIME of SLA</p> <p>Under the terms of this agreement, the vendor will provide comprehensive Support, configuration, management and maintenance of required solution. The support period will start from the date of Installation of UPS system.</p>

		<p>The SLA of services to be provided is categorized below. Resolution Time calculation: working hours from 0900 to 1750 from Monday to Friday</p> <p>All issues should be logged by the end user on the Bank’s provided IT Service management solution (haloitsm.ztbl.com.pk) or vendor compliant management system or through emails.</p> <p>a. <u>Response VS Resolution:</u></p> <table><tr><th>Severity Level</th><th>Description</th><th>Response Time</th><th>Resolution Time</th></tr><tr><td>Critical</td><td>System down, majority of cameras non-functional or NVR malfunction</td><td>8 Hours</td><td>02 days</td></tr><tr><td>High</td><td>Partial failure impacting more than 30% of cameras or degraded recording</td><td>24Hours</td><td>03 days</td></tr><tr><td>Medium</td><td>Minor issues like 1–2 camera failures or image quality issues</td><td>48 Hours</td><td>04 days</td></tr><tr><td>Low</td><td>Non-urgent issues like cosmetic damages, labeling, routine checks</td><td>24 Hours</td><td>7 Working Days</td></tr></table>	Severity Level	Description	Response Time	Resolution Time	Critical	System down, majority of cameras non-functional or NVR malfunction	8 Hours	02 days	High	Partial failure impacting more than 30% of cameras or degraded recording	24Hours	03 days	Medium	Minor issues like 1–2 camera failures or image quality issues	48 Hours	04 days	Low	Non-urgent issues like cosmetic damages, labeling, routine checks	24 Hours	7 Working Days
Severity Level	Description	Response Time	Resolution Time																			
Critical	System down, majority of cameras non-functional or NVR malfunction	8 Hours	02 days																			
High	Partial failure impacting more than 30% of cameras or degraded recording	24Hours	03 days																			
Medium	Minor issues like 1–2 camera failures or image quality issues	48 Hours	04 days																			
Low	Non-urgent issues like cosmetic damages, labeling, routine checks	24 Hours	7 Working Days																			
		<p>Reporting Requirements</p> <ul style="list-style-type: none">• Monthly SLA Compliance Report including:<ul style="list-style-type: none">○ Uptime/Downtime logs○ Preventive maintenance activities○ Support tickets raised, resolved, and pending○ Summary of major incidents• Reports must be submitted to ZTBL’s designated focal person. <p>Location:</p> <p>i. ZTBL Field office</p> <p>ii. ZTBL Head Office, Islamabad</p> <p>B. PENALTY</p> <p>ZTBL shall impose penalty upon breach of SLA terms & conditions and delayed remedial maintenance as per following KPIs.</p> <p>i. For Support Services:</p> <table><tr><th>Delay</th><th>Penalty/ Deduction</th></tr><tr><td>Delay after the defined resolution time</td><td>Deduction from quarterly payable amount</td></tr><tr><td>Delayed Per Hrs.</td><td>0.5%</td></tr></table> <p>If delay of resolution exceeds two calendar week, the 25% quarterly payment against the particular CCTV branch will be deducted. After 04 weeks 100% of the quarterly payment against the particular CCTV system will be deducted. For calculation ZTBL will divide the total SLA amount with total number of branches.</p>	Delay	Penalty/ Deduction	Delay after the defined resolution time	Deduction from quarterly payable amount	Delayed Per Hrs.	0.5%														
Delay	Penalty/ Deduction																					
Delay after the defined resolution time	Deduction from quarterly payable amount																					
Delayed Per Hrs.	0.5%																					

		<div>C. ESCALATION PROCEDURE</div> <div>Bidder will provide the escalation matrix with complete details on the individuals and Technical Account Manager/Support Officer with proper details.</div> <table><tr><th>Escalation Level</th><th>Contact Details</th><th>Department</th><th>Designation</th><th>Email</th><th>Contact</th></tr><tr><td>Level – 1</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Level – 2</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Level – 3</td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>Both parties shall nominate a contact person and his name, designation, email address, land line number and mobile numbers will be providing to the other party.</div> <div>i. DOCUMENTATION</div> <div>b. Bidder will maintain support record which will be submitted with each quarterly payment.</div> <table><tr><th>Support Request</th><th>Date</th><th>Time</th><th>Support Description</th><th>Category H/M/L</th><th>Action taken</th><th>Action Guide Provided</th><th>Support Request closed Date & Time</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <div>ii. OBLIGATIONS OF THE ZTBL</div> <div>The customer shall:</div> <div>c. Provide a suitable installation environment</div> <div>d. Use the services strictly in accordance with the administration guides.</div> <div>e. Permit bidders, its employees full access to the environment necessary for support and installation services.</div> <div>f. Not permit other persons to perform any activity on the systems.</div>	Escalation Level	Contact Details	Department	Designation	Email	Contact	Level – 1						Level – 2						Level – 3						Support Request	Date	Time	Support Description	Category H/M/L	Action taken	Action Guide Provided	Support Request closed Date & Time								
Escalation Level	Contact Details	Department	Designation	Email	Contact																																					
Level – 1																																										
Level – 2																																										
Level – 3																																										
Support Request	Date	Time	Support Description	Category H/M/L	Action taken	Action Guide Provided	Support Request closed Date & Time																																			

SECTION IX: CONTRACT FORMS

Performance Security (or guarantee) Form

To: *[name of Procuring Agency]*

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[Reference number of the contract]* dated *[insert date]* to delivery *[description of goods and services]* (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

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

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: _____ Dated: _____
Contract Value: _____
Contract Title: _____

[Name of 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 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 [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee 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 consultations 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.

[Name of 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, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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, [Name of 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 time the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of 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.

[Buyer]

[Seller/Supplier]

PART-C – BID DOCUMENTS ANNEXURES

ANNEXURE Z-A

Bidder Qualification Criteria Form

S#	Condition	Requirement/ Document to be attached	Enclosed? Yes/ No	Proposal Page Ref.
1	Authorization of Tender	The bidder authorized representative shall sign the bid (use digital signatures/certificate or attach scanned proposal through EPADS) Please also attach authorization on stamp paper.		
2	Bid Validity is 150 Days	Clearly mention in the Bid		
3	Bid Security	Bid Security as specified in Section 14		
4	Bidder's Eligibility			
i.	Documents required in ITB 11 of bid document	Evidence/Proof of all documents mentioned in the ITB-J11 of Bid Document		
ii.	Bidder's association with Principal/manufacturer	Principal's bid authorization Certificate/ Letter		
iii.	OEM Registration	OEM shall be registered / incorporated in Pakistan with relevant authority. OEM should have existence in Pakistan for at least 05 years as on "Deadline / Last Date for Submission of Bids". Certificate of incorporation / registration in Pakistan.		
iv.	Bidders registration	Bidding firms shall be registered / incorporated in Pakistan with relevant authority. Bidding firm should have existence in Pakistan for at least 05 years as on "Deadline / Last Date for Submission of Bids". Certificate of incorporation / registration in Pakistan.		
v.	Past Experience	Bidding company must have provided minimum 250 CCTV cameras to any organization in last two years. Reference PO/agreement be attached please.		
vi.	Affidavit on Non-Judicial Stamp Paper for not being blacklisted	Affidavit on Non-Judicial Stamp Paper that the vendor is not blacklisted by the Government or Semi Government Organization on non-judicial stamp paper.		
vii.	Audited Financial statements for last 3 years	Audit financial statement is required for last three years (if audit of last year is in progress or pending the audited financial statement of next last year must be attached) Or provide bank statement having ended balance of minimum 30 million rupees.		
viii.	Bidder Turnover	The minimum Annual turnover of the bidder shall be 50 million PKR. Please provide verifiable proof i.e bank statement, balance sheet etc.		

By signing this Form, we hereby declare that all information provided above are correct by the best of our knowledge.

We accept all terms and conditions of bidding document and the Procurement Contract as specified in the bidding document and the advertisement.

Signatures of Authorized Person
Name _____
Designation _____
Vendor Name _____

ANNEXURE-Z-B

Technical Compliance Sheet (For Both Sites)

S/N	Description	Compliance Status Yes/No
1.	<div> <div>Minimum 5 MP Bullet Camera with SD card</div> <ul style="list-style-type: none"> <div>Image Sensor:</div> <div>Minimum 1/2.7" Progressive Scan CMOS or equivalent</div> <div>Maximum Resolution:</div> <div>At least 2592× 1944 pixels@30fps</div> <div>Minimum Illumination:</div> <ul style="list-style-type: none"> <div>Color:</div> <div>0.005 Lux @ F1.6</div> <div>B/W:</div> <div>0 Lux with infrared (IR) illumination</div> <div>Lens Type:</div> <div>Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)</div> <div>Supplemental Lighting Range:</div> <div>Up to 50 meters with infrared or equivalent technology</div> <div>Simultaneous Live View:</div> <div>Support for multiple concurrent streams, minimum 4 Streams</div> <div>API & Integration:</div> <div>Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs</div> <div>Image Features:</div> <ul style="list-style-type: none"> Day/Night switching capability Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR. <div>Privacy Masking:</div> <div>Configurable privacy masking with at least 4 programmable zones</div> <div>On-Board Storage:</div> <ul style="list-style-type: none"> SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment <div>Smart Event Detection:</div> <div>Support for advanced analytics, including:</div> <ul style="list-style-type: none"> Object removal detection Unusual movement detection (e.g., running etc.) <div>Environmental Protection:</div> <ul style="list-style-type: none"> IP67-rated weather resistance </div>	

	<ul style="list-style-type: none">• IK10-rated impact resistance	
2.	<p>Minimum 5 MP Dome Camera with SD card</p> <ul style="list-style-type: none">• Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent• Maximum Resolution: At least 2592× 1944 pixels• Minimum Illumination:<ul style="list-style-type: none">• Color: 0.005 Lux or lower @ F1.6• B/W: 0 Lux with infrared (IR) illumination• Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)• Supplemental Lighting Range: Up to 40/50 meters with infrared or equivalent technology• Simultaneous Live View: Support for multiple concurrent streams, minimum of 4 streams• API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs• Image Features:<ul style="list-style-type: none">• Day/Night switching capability• Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR.• Privacy Masking: Configurable privacy masking with at least 4 programmable polygon zones• On-Board Storage:<ul style="list-style-type: none">• SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment• Smart Event Detection: Support for advanced analytics, including:<ul style="list-style-type: none">• Object removal detection• Unusual movement detection (e.g., running etc.)• Environmental Protection:<ul style="list-style-type: none">• IP67-rated weather resistance• IK10-rated impact resistance	
3.	<p>Minimum 4 MP Bullet Camera with SD card</p> <ul style="list-style-type: none">• Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent	

	<ul style="list-style-type: none">• Maximum Resolution: At least 2688 ×1520 pixels@30fps• Minimum Illumination:<ul style="list-style-type: none">• Color: 0.005 Lux @ F1.6• B/W: 0 Lux with infrared (IR) illumination• Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)• Supplemental Lighting Range: Up to 50 meters with infrared or equivalent technology• Simultaneous Live View: Support for multiple concurrent streams, minimum 4 Streams• API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs• Image Features:<ul style="list-style-type: none">• Day/Night switching capability• Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR.• Privacy Masking: Configurable privacy masking with at least 4 programmable zones• On-Board Storage:<ul style="list-style-type: none">• SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment• Smart Event Detection: Support for advanced analytics, including:<ul style="list-style-type: none">• Object removal detection• Unusual movement detection (e.g., running etc.)• Environmental Protection:<ul style="list-style-type: none">• IP67-rated weather resistance• IK10-rated impact resistance	
4.	Minimum 4 MP Dome Camera with SD card <ul style="list-style-type: none">• Image Sensor: Minimum 1/2.7" Progressive Scan CMOS or equivalent• Maximum Resolution: At least 2688× 1520 pixels• Minimum Illumination:<ul style="list-style-type: none">• Color: 0.005 Lux or lower @ F1.6• B/W: 0 Lux with infrared (IR) illumination	

	<p>Lens Type: Fixed focal lens with multiple focal length options (e.g., 2.8mm, 3.6mm, 6mm)</p> <ul style="list-style-type: none"> • Supplemental Lighting Range: Up to 40/50 meters with infrared or equivalent technology • Simultaneous Live View: Support for multiple concurrent streams, minimum of 4 streams • API & Integration: Support for open industry standards such as ONVIF (Profile S, Profile G) and other standard SDKs or APIs • Image Features: <ul style="list-style-type: none"> • Day/Night switching capability • Image enhancement features including Backlight Compensation (BLC), Highlight Compensation (HLC), and Digital Noise Reduction (DNR), 120DB WDR. • Privacy Masking: Configurable privacy masking with at least 4 programmable polygon zones • On-Board Storage: <ul style="list-style-type: none"> • SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment • Smart Event Detection: Support for advanced analytics, including: <ul style="list-style-type: none"> • Object removal detection • Unusual movement detection (e.g., running etc.) • Environmental Protection: <ul style="list-style-type: none"> • IP67-rated weather resistance • IK10-rated impact resistance 	
5.	<p>Minimum 02 MP Dome Camera with SD card Image Sensor 1/2.7" Progressive Scan CMOS Max. Resolution 1920 × 1080 Min. Illumination Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0 Lux with IR Day & Night IR cut filter Lens Type: Fixed focal lens Simultaneous Live View Up to 6 channels Day/Night Switch Day, Night, Auto, Schedule Wide Dynamic Range (WDR) Digital WDR On-Board Storage: •SD/micro SDHC/micro SDXC card 64 GB or above for Automatic Network Replenishment Event :Basic Event Motion detection, video tampering alarm, exception</p>	
6.	<p>PTZ Camera 08 MP</p> <ul style="list-style-type: none"> • 1/1.2" Progressive Scan CMOS 	

	<ul style="list-style-type: none"> • 8MP high resolution • IR range 400M or above • Support hardware POE • High quality imaging with 8 MP resolution • 25 × optical zoom and 16 × digital zoom provides close up views over expansive areas • Excellent low-light performance • Clear imaging against strong back light due to 120 dB AWDR technology • Supports rapid focus • Smart Pan-Tilt Correction • Built-in stable image output • Water and dust resistant 	
7.	<p>PTZ Camera 04 MP</p> <ul style="list-style-type: none"> • 1/1.8" Progressive Scan CMOS • 4MP high resolution • IR range 150 or above • Support hardware POE • High quality imaging with 4 MP resolution • 25 × optical zoom and 16 × digital zoom provides close up views over expansive areas • Excellent low-light performance • Clear imaging against strong back light due to 120 dB AWDR technology • Supports rapid focus • Smart Pan-Tilt Correction • Built-in stable image output • Water and dust resistant 	
8.	<p>JOY Stick</p> <p>7" resistive touchscreen, preview, PTZ and TV wall control, 4-axis joystick</p>	
9.	<p>Dummy NVR</p> <p>Dummy NVR may be required to avoid the theft of original NVR. Bidders may quote dummy NVR with lowest available specifications with installation cost.</p>	
10.	<p>Network Video Recorder</p> <p>IP Video Input</p> <ul style="list-style-type: none"> • Supports 08 channels of IP video input <p>Bandwidth Capacity</p> <ul style="list-style-type: none"> • Incoming Bandwidth: Minimum 320 Mbps • Outgoing Bandwidth: Minimum 265 Mbps <p>Video Output</p> <ul style="list-style-type: none"> • HDMI Output: Supports at least one HDMI with resolutions up to 4K <p>Video Output Mode</p>	

	<ul style="list-style-type: none">• Supports independent HDMI output <p>Audio Capabilities</p> <ul style="list-style-type: none">• Audio Output: Minimum one channel, RCA interface• Two-Way Audio: Minimum one channel, RCA interface• Stream Type: Supports Video only or Video & Audio• Audio Compression Formats: G.711ulaw/G.711a, G.726 <p>Decoding & Recording</p> <ul style="list-style-type: none">• Decoding Formats Supported: H.265, H.265+, H.264, H.264+• Recording Resolution Support: Up to 12 MP or above, with support for 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, UXGA, 720p, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF• Synchronous Playback: Supports up to 16 channels• Decoding Capability:<ul style="list-style-type: none">◦ With AI enabled: Minimum 08-ch @ 05 MP (30 fps), 3-ch @ 8 MP (30 fps), 6-ch @ 4 MP (30 fps), or 12-ch @ 1080p (30 fps)◦ Without AI: Minimum 08-ch @ 05 MP (30 fps), 4-ch @ 8 MP (30 fps), 8-ch @ 4 MP (30 fps), or 16-ch @ 4MP (30 fps) <p>Network & Integration</p> <ul style="list-style-type: none">• Remote Connection: Supports up to 128 simultaneous connections• API & Protocols: Must support ONVIF (Profile S, Profile G), SDK, ISAPI/CGI• Network Interface: Minimum one RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface <p>Storage & Interfaces</p> <ul style="list-style-type: none">• 2 SATA interfaces for HDD connection• Storage Capacity: Supports up to 16 TB per HDD• USB Interfaces:<ul style="list-style-type: none">◦ Front Panel: <u>Minimum One USB 2.0 ports</u>◦ Rear Panel: Minimum one USB 2.0 port• Alarm Inputs/Outputs: Minimum 4 input channels and 1 output channel• Facial Detection & Analysis Performance:<ul style="list-style-type: none">◦ Supports at least one channel at 8 MP• Face Picture Comparison:<ul style="list-style-type: none">◦ Supports at least 4-channel comparison• Face Picture Library:<ul style="list-style-type: none">◦ Supports up to 16 face picture libraries, with a total capacity of 20,000 face pictures (each image ≤ 4 MB, total storage ≤ 2.5 GB) <p>Recording Requirements</p> <ul style="list-style-type: none">• one 08 TB or one 16TB surveillance grade hard drive for branches/field offices. The number of hard drives will be	
--	--	--

	<p>decided on each site by keeping in view the size/number of cameras and to meet the requirements of 90 days recording.</p> <ul style="list-style-type: none">• Ensure 60 days recording for head office. The size/number of hard drives will be decided as per actual requirements basis.	
11.	<p>Network Video Recorder</p> <p>IP Video Input</p> <ul style="list-style-type: none">• Supports 16 channels of IP video input <p>Bandwidth Capacity</p> <ul style="list-style-type: none">• Incoming Bandwidth: Minimum 320 Mbps• Outgoing Bandwidth: Minimum 265 Mbps <p>Video Output</p> <ul style="list-style-type: none">• HDMI Output: Supports at least one HDMI with resolutions up to 4K <p>Video Output Mode</p> <ul style="list-style-type: none">• Supports independent HDMI output <p>Audio Capabilities</p> <ul style="list-style-type: none">• Audio Output: Minimum one channel, RCA interface• Two-Way Audio: Minimum one channel, RCA interface• Stream Type: Supports Video only or Video & Audio• Audio Compression Formats: G.711ulaw/G.711a, G.726 <p>Decoding & Recording</p> <ul style="list-style-type: none">• Decoding Formats Supported: H.265, H.265+, H.264, H.264+• Recording Resolution Support: Up to 12 MP or above, with support for 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, UXGA, 720p, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF• Synchronous Playback: Supports up to 16 channels• Decoding Capability:<ul style="list-style-type: none">◦ With AI enabled: Minimum 08-ch @ 05 MP (30 fps), 3-ch @ 8 MP (30 fps), 6-ch @ 4 MP (30 fps), or 12-ch @ 1080p (30 fps)◦ Without AI: Minimum 08-ch @ 05 MP (30 fps), 4-ch @ 8 MP (30 fps), 8-ch @ 4 MP (30 fps), or 16-ch @ 4MP (30 fps) <p>Network & Integration</p> <ul style="list-style-type: none">• Remote Connection: Supports up to 128 simultaneous connections• API & Protocols: Must support ONVIF (Profile S, Profile G), SDK, ISAPI/CGI	

	<ul style="list-style-type: none">• Network Interface: Minimum one RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface <p>Storage & Interfaces</p> <ul style="list-style-type: none">• 2 SATA interfaces for HDD connection• Storage Capacity: Supports up to 16 TB per HDD• USB Interfaces:<ul style="list-style-type: none">◦ Front Panel: Minimum one USB 2.0 ports◦ Rear Panel: Minimum one USB 2.0 port• Alarm Inputs/Outputs: Minimum 4 input channels and 1 output channel• Facial Detection & Analysis Performance:<ul style="list-style-type: none">◦ Supports at least one channel at 8 MP• Face Picture Comparison:<ul style="list-style-type: none">◦ Supports at least 4-channel comparison• Face Picture Library:<ul style="list-style-type: none">◦ Supports up to 16 face picture libraries, with a total capacity of 20,000 face pictures (each image ≤ 4 MB, total storage ≤ 2.5 GB) <p>Recording Requirements</p> <ul style="list-style-type: none">• Two 08 TB or one 16TB surveillance grade hard drive for branches/field offices. The number of hard drives will be decided on each site by keeping in view the size/number of cameras and to meet the requirements of 90 days recording.• Ensure 60 days recording for head office. The size/number of hard drives will be decided as per actual requirements basis.	
12.	<p>Centralized monitoring Solution. (Professional Base License)</p> <p>A Video management software platform integrates and streamlines various security systems, allowing users to manage video surveillance, access control, alarms, and more from a single interface. It should enhance operational efficiency, improves situational awareness, and strengthens the overall protection of people and property.</p> <p>The professional base VMS should manage over 5,000 channels, expandable to 10,000, and support at least simultaneously 50 live camera streams along with 250 LAN cameras. The selected branches cameras (at least 1500 cameras) should be in list and out of which any 50 Cameras could be viewed simultaneously. It must ensure seamless recording, remote site monitoring, centralized management, video wall functionality, and efficient daily surveillance operations for ZTBL sites. The system should be robust, scalable, and highly efficient for enhanced security monitoring.</p> <p>Video Management System (VMS) – Key Specifications</p> <p>Video Security</p> <ul style="list-style-type: none">• Comprehensive video monitoring with efficient search and quick incident review• Video export capability for evidence collection• Adaptive performance in low-bandwidth networks	

	<ul style="list-style-type: none"> • Reliable and flexible storage options • Minimum 1500 cameras can be listed out of which Support for at least 50 simultaneous live camera views at a centralized location • One-click access to all cameras when required • Live view integration with a video wall • System capacity for 100 concurrent users • Should be fully compliant with existing system without any additional licenses. • Event logs for tracking incidents and evidence collection <p>Alarm Management</p> <ul style="list-style-type: none"> • Centralized management of various alarm sources • Real-time alarm displays and notifications (Email/SMS notification integration) <p>Remote Site Management</p> <ul style="list-style-type: none"> • Centralized multi-site system management with unified resource monitoring • Scalable multi-site support for devices, remote locations, and event handling <p>System Capacity & Performance</p> <ul style="list-style-type: none"> • Video & Encoding Devices: <ul style="list-style-type: none"> ◦ Supports up to 5,000 encoding devices (2,000 via ONVIF protocol) ◦ Central system supports up to 10,000 cameras (expandable) • Streaming Server Performance: <ul style="list-style-type: none"> ◦ Video input/output bandwidth: 600 Mbps per streaming server • OS for VMS Server <ul style="list-style-type: none"> ◦ Licenses windows Server 2022 or Higher. • OS for Control Client <ul style="list-style-type: none"> ◦ Microsoft® Windows 11/10 • OS for Mobile Client <ul style="list-style-type: none"> ◦ iOS 12.0 and later ◦ Android 6.0 and late 	
13.	<p>Hardware Specifications for Video Management System (VMS)</p> <p>Processor (CPU)</p> <ul style="list-style-type: none"> • Dual 4410Y processors, 2.0GHz, 30MB Cache, 12 Cores, 24 Threads <p>Memory (RAM)</p> <ul style="list-style-type: none"> • Standard Configuration: 4 × 32GB RDIMM, 4800MT/s • Expandable: 8 slots available with a single CPU, 16 slots with dual CPUs 	

	<p>Storage & Hard Disks</p> <ul style="list-style-type: none">• Standard Configuration:<ul style="list-style-type: none">◦ 2TB 7.2K SATA HDD × 2 (RAID 1)◦ 2TB 7.2K SATA HDD × 2 (RAID 1)• Storage Slots: 8 × 3.5-inch slots available <p>Storage Controller</p> <ul style="list-style-type: none">• PERC H355 Adapter LP (Supports RAID 0/1/10) <p>Operating System Support</p> <p>Windows Server 2022 or Higher.</p> <p>PCIe Slots</p> <ul style="list-style-type: none">• Single CPU Configuration: 4 PCIe slots• Dual CPU Configuration: 6 PCIe slots <p>Remote Management & Monitoring</p> <ul style="list-style-type: none">• iDRAC9 Enterprise• Open Manage™ Software: Supports Open Manage Enterprise with plugins for:<ul style="list-style-type: none">◦ PowerManager◦ SupportAssist◦ Update Manager	
14.	<p>Aggregate Switch for Fiber</p> <ul style="list-style-type: none">● 24 Gigabit Ethernet ports, 24 Gigabit SFP optical ports and 6 10 Gigabit SFP + optical ports.● Support static routing, policy routing, rip, OSPF,BGP,MPLS and other three-layer routing protocols.● IGMP snooping and GRMP for filtering multicast traffic.● Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning.● Support IEEE 802.1x authentication, radius and bdtacacs + authentication.● Support DHCP Server、DHCP Relay、DHCP Snooping.● Support EAPs and ERPs Ethernet ring network protection protocol.● QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism.● Easy network management by web browser, Console, Telnet, SSH.● SNMPv1/v2c/v3 for different levels of network management.● SWitching Capacity : Whole-Device Performance: 598 Gbps● Packet Forwarding Rate :Whole-Device Performance: 252 Mpps● Packet Forwarding Rate :Port Performance: 252 Mpps	
15.	<p>Core Switch:</p> <ul style="list-style-type: none">● 24 Gigabit electrical ports and 6 10 Gigabit SFP+ optical ports.● Support static routing, policy routing, rip, OSPF,BGP,MPLS and other three-layer routing protocols.● IGMP snooping and GRMP for filtering multicast traffic.● Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning.● Support IEEE 802.1x authentication, radius and bdtacacs +	

	<p>authentication.</p> <ul style="list-style-type: none"> ● Support DHCP Server、DHCP Relay、DHCP Snooping. ● Support EAPs and ERPs Ethernet ring network protection protocol. ● QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism. ● Easy network management by web browser, Console, Telnet, SSH. ● SNMPv1/v2c/v3 for different levels of network management. ● SWitching Capacity : Whole-Device Performance: 168 Gbps ● Packet Forwarding Rate :Whole-Device Performance: 124.99 Mpps 	
16.	<p>16 port smart managed</p> <p>L2, Smart Managed, 16 Gigabit RJ45 PoE ports, 1 Gigabit RJ45 port, 1 Gigabit SFP port, 802.3af/at, PoE power budget 130W, VLAN, STP/RSTP loop prefention, PoE watchdog, Max. 300 meter PoE transmission, Rack mount</p>	
17.	<p>08 ports smart managed switch</p> <p>L2, Smart Managed, 8 Gigabit RJ45 PoE ports, 2 Gigabit SFP port, 802.3af/at, PoE power budget 80W, VLAN, STP/RSTP loop prefention, PoE watchdog, Max. 300 meter PoE transmission, Desktop/Wall mount</p>	
18.	<p>STORAGE FOR HEAD OFFICE</p> <p>Single controller,180 Ch(2Mbps) Record + playback with IPSAN mode, 512 Ch (2Mbps) Record + playback with Direct steaming mode,24 HDD(SATA), Redundant power supply.</p> <ul style="list-style-type: none"> ● Economical and stable hardware platform ● HDD detection and repair/RAID optimization ● Surveillance-specialized direct storage (Direct Streaming mode+IP SAN mode) ● Advanced data protection (synchronous backup of key information in system disks) ● Energy efficient and user-friendly UI ● with Storage capacity of Head office cameras for 60 days @4MP, 25 fps. With Enterprise grade HDDs. 	
19.	<p>Video Wall 55" for centralized monitoring room at head office</p> <ul style="list-style-type: none"> ● Industrial level LCD panel, suitable for continuous 24/7 operation ● Switching between three picture modes: Monitoring, Meeting, and Movie ● Factory calibration for color and brightness uniformity ● Direct-lit LED backlight with uniform brightness and no boundary shadows ● 1920 × 1080 resolution, 178° viewing angle ● Ultra-narrow 3.5 mm bezel design ● Anti-glare, high definition, high brightness, high color gamut, and vivid images with rich colors ● Stable and 24-hour continuous working ● Metal casing for preventing from radiation and magnetic & electric field interference ● Floor standing with modular brackets available to meet various installation requirements 	

	<p>Pedestal Bracket: As per actual</p> <ol style="list-style-type: none"> Modular Pedestal Bracket for 55" LCD Screen Aluminum material, lightweight Easy installation and maintenance, compatible with the LCD video wall. <p>Frame Bracket: As per actual</p> <ol style="list-style-type: none"> Modular Pedestal Bracket for 55" LCD Screen Bracket of Rear-maintenance Aluminum material, light weight · Easy installation and maintenance, compatible with the LCD video wall 	
20.	<p>Video Wall controller</p> <ul style="list-style-type: none"> Controller's input interface supports 3G-SDI, CVBS, HDMI, DVI and other formats. Controller's input and output cards support mixed insertion. Latency ≤50MS. Controller should be Low latency and high image quality. Controller support dual redundant power supplies and smart temperature controlled fan Controller's single board card supports a maximum of 4 HDMI inputs and 4 HDMI outputs Controller supports a maximum of 32 divisions for a single output port. Support Input signal source replication. Support Onvif, Support Virtual LE Controller required with 8 x HDMI inputs & 8 x HDMI outputs. Support Cross-browser operation Support non-compressed digital signal encoding output 2 RJ-45 gigabit network ports for matrix control, preview Remote reboot/upgrade/default setting and etc. operation 4 RS232 ports (1 DB9, 3 RJ45), for console and control x 1 RS485 port Temperature -8°C ~+54°C. Number of cards slot should be 11. <p>Software:</p> <ul style="list-style-type: none"> Browser/Web Based or Desktop (Remote Desktop) Application Layout Management: Support all Layout from Video, Scenarios management: Save & Load desktop layouts from Local/ remote machines Display & Scaling: Display multiple sources anywhere on display up to any size Window Title: Add window title as per user convenience Auto launch of Layouts (Presets) Multi Viewer Option. Remote management. <p>Installation: Complete onsite</p>	

	Note: LED walls, Video Wall Controller and Software Should be of Same Brand.	
21.	Input Cards: HDMI Supported Card for Input 04 HDMI Interfaces x 8	
22.	Output Cards: HDMI Supported Card for Input 04 HDMI Interfaces x 8	
23.	HDMI Cables of 4k Resolution for all the required devices.	
24.	Network Cable 305 meter	
25.	Provision of Dummy NVR Dummy NVR designed to look like real NVRs (same as per quoted product), but they don't have any recording or viewing capabilities to safeguard original NVR from theft.	
26.	Power Supply (1.5A or 2A) – Required in branches where unmanaged switches are installed.	
27.	ODF (OFDF 24 ports fully loaded for CCTV room end) <ul style="list-style-type: none"> • Rack-mounted type preferred (1U or 2U depending on available rack space). • Adapters: SC-UPC type or LC Duplex (finalize as per switch SFP interface). 	
28.	ODF (OFDF 12 ports fully loaded for CCTV room end) <ul style="list-style-type: none"> • Wall-mounted type preferred for compact deployment. • Adapters: SC-UPC or LC Duplex.. 	
29.	SFP modules <ul style="list-style-type: none"> • Fiber Type: Multi-Mode (since within Data Center building). • Wavelength: 850nm. • Data Rate: 1Gbps, with option for 10Gbps if uplinks require scalability. • Connector Interface: LC Duplex. • Uplinks should support auto-negotiation 1G/10G for flexibility. 	
30.	OFC patch cards Sc to Lc <ul style="list-style-type: none"> • Fiber Type: Multi-Mode OM3/OM4. • Cable: Duplex. • Length: 2–3 meters (as per rack placement). 	
31.	PDU 06 ports for data rack <ul style="list-style-type: none"> • 3-Pin industrial grade with proper earthing. • Surge-protection preferred. 	
32.	Breaker (power breaker 6AMP single pole for data rack)	
33.	Cable manager for data racks Vertical type in 42U rack.	
34.	Data rack 9U indoor <ul style="list-style-type: none"> • Wall-mount indoor rack. 	

	<ul style="list-style-type: none"> With front glass/mesh door for protection. 	
35.	Rack 06U outdoor <ul style="list-style-type: none"> Outdoor wall-mount type. With front lockable door (weather protected). 	
36.	PVC junction box 4x4	
37.	Metal Box 8x8 for PTZ power supply <ul style="list-style-type: none"> Size: 8x8 inches (standard). Shape: Rectangular, lockable for safety. 	
38.	05 feet pole mounts for boundary wall <ul style="list-style-type: none"> Poles shall be made of mild steel (MS) Each pole shall have a base plate at the bottom. Poles shall include camera mounting brackets/arms made of MS flat bar or pipe, powder-coated for rust resistance. Poles shall include internal conduit for power and data cables, with entry/exit points protected by rubber grommets. External surface-mounted conduits will not be accepted unless specifically approved. The size of the pole can be increase/decreased as per actual site requirements. 	
39.	Poles 11 feet for outdoor cameras <ul style="list-style-type: none"> Poles shall be made of mild steel (MS) Each pole shall have a base plate at the bottom. Poles shall include camera mounting brackets/arms made of MS flat bar or pipe, powder-coated for rust resistance. Poles shall include internal conduit for power and data cables, with entry/exit points protected by rubber grommets. External surface-mounted conduits will not be accepted unless specifically approved The size of the pole can be increase/decreased as per actual site requirements. 	
40.	Rack 42U for control room <ul style="list-style-type: none"> Loaded with PDU, cable managers, and fans. Should support future scalability (minimum 1G/10G uplinks auto-negotiable). 	
41.	Input Cards for video walls HDMI Supported Card for Input 04 HDMI for 06 x inputs	
42.	Output Cards for video walls HDMI Supported Card for output 04 HDMI interface supporting 06 x video screens	
43.	UTP cat 06 cable roll 305 meter (Schneider/hike vison or equivalent)	
44.	Power cable 2.5MM 02 core for centralized power	
45.	OFC cable 12 core Single Mode	
46.	PVC CHANNEL DUCT ADAM JEE or equivalent 16*38 (per 10 feet length)	

47.	RJ 45 connectors	
48.	PVC pipe 1” adam jee or equivalent	
49.	Flexible Pipe Adam Jee or equivalent 1 Inch Per Feet	

LIST OF 37 TIER -I BRANCHES

S.No	Name of Region	Name of Branch	Branch Code	Postal Address	Phone No.
1	Muzaffarabad	Mirpur (AJK)	24408	Plot #58/2, Mian Muhammad Town, Mirpur AJK	05827-920432
2	Peshawar	Peshawar	30701	G.T. Road, chughalpura, Peshawar	091-2262279
3	Peshawar	Peshawar Cantt.	30831	Plot No.489, 6/38/M,Islamia Road,Peshawar Cantt.	091-5277449
4	Peshawar	IBB, Karkhano Market	90005	Malik Hussain Market,Ring Road, Peshawar	091-5813833
5	Peshawar	Swati Phattak	30826	Swati Phattak,Munakrao Road,Near Hayatabad Bazar ,Peshawar	091-5812068
6	Faisalabad	Faisalabad	23356	Opposite Punjab Medical College, Jail Road, Faisalabad	041-9210008
7	Gujranwala	Gujranwala	21255	D.C. Road, Gujranwala	055-9200206
8	Gujranwala	Gujranwala City DTB	24448	G.T.Road, Dhullay, (Near PACE), Gujranwala	055-9200248
9	Sialkot	Gujrat	24405	Khasra#780/322-23, Khewat # 131-32, Khatooni# 396, Bolay, Gujrat	053-3705199
10	Sialkot	Gujrat City DTB	24450	Sargodha Road, Gujrat City.	053-3706550
11	Islamabad	IBB, Islamabad	90004	Block # 7F ZTBL Officers Colony, G-7/2, Islamabad	051-9252022
12	Islamabad	Head Office Branch	24402	1-Faisal Avenue,Zero Point Head Office, Islamabad	051-9252728
13	Islamabad	Attock	24403	D-109,Near Masjid Hanfia, Attock City	057-2703238
14	Islamabad	Rawalpindi	24426	125-D, Satellite Town, Near Haidri Chowk, Rawalpindi	051-4427794
15	Islamabad	IBB, Rawalpindi Cantt.	90027	Plot No.01, Qamar Plaza, Fazal Town Phase-II, Old Airport Link Road, Chaklala, Rawalpindi	051-5161272
16	Jhang	Jhang	23357	Near Chowk Balochan, Satellite Town,Jhang	047-7501257
17	Jhang	Jhang City	23405	Near station Chowk Gojra Road, Saddar, Jhang	047-7650118
18	Lahore	Lahore (Cantt)	21281	Main Barki Road, Near Lahore School of Economics, Lahore Cantt	042-36560501
19	Lahore	IBB, DHA Lahore	90003	140-G,Commercial Area, Phase-I, Lahore	042-37182301
20	Lahore	Model Branch DTB	21271	47-C, The Mall Road, Lahore	042-99214631
21	Lahore	IBB, Johar Town Branch	90028	473/G-III, Khokhar Chowk, Johar Town, Lahore	042-35315309

22	Lahore	Chung	21252	Adda Mohlanwal, Multan Road, Chung	042-35966429
23	Multan	Multan	20201	61-A, Abdali Road, Multan	061-9200509
24	Multan	IBB, Multan (Neelkot)	90007	Neelkot, Bosan Road, Multan	061-6513301
25	R.Y.Khan	Rahim Yar Khan	22306	Main By Pass Road, Near NADRA Office, R.Y.Khan	068-9330050
26	Sargodha	Sargodha	23351	Katchery Road, Sargodha	048-9230491
27	Sargodha	Sargodha City	24452	Khayam Chowk, University Road, Sargodha City	048-3727331 048-3727332
28	Sheikhupura	Sheikhupura	21258	60-C, Malik Anwar Road, Civil Lines, Sheikhupura	056-9200091
29	Sialkot	Sialkot	21261	BI-IS 28/B/RH, Near PSO Petrol Pump, Jail Road, Sialkot	052-4292542
30	Quetta	Quetta	40801	GPO Chowk, Circular Road, near PTCL Office, Quetta	081-9202939
31	Karachi	IBB, Karachi (Shafi Court)	90029	Shafi Court Building Near Karachi Gymkhana, Karachi	021-99206006
32	Karachi	IBB, Karachi (Landhi)	90006	Cattle Colony, Landhi, Karachi	021-35080003
33	Karachi	Fish Harbour	10014	Naghani chamber, west wharf Road, Karachi	021-32315339
34	Karachi	Model Branch Karachi	10009	St-4/3, Block# 1 Scheme 36, Gulistan Johar ,Near Abdullah heights, Karachi	021-34613618
35	Karachi	Gadap (Deh Tore)	10017	Plot No.3, Admn Block, Sabzi Mandi, Super Highway, Gadap Town	021-36872000
36	Karachi	Ibrahim Hydri	10018	679-B, Bhatti Colony, Ibrahim Hydri Road, Korangi Crossing, Karachi	021-35111272
37	Hyderabad	Hyderabad	11031	Banglow No 6-A Unit No. 7, Latifabad, Hyderabad	022-9260058

LIST OF 31 CAD Hubs

Sr. No.	General Managers	CA Unit Name
1.	G M Bahawalpur	Bahawalpur
2.		Bahawalnagar
3.		R.Y. Khan
4.		Vehari
5.	GM Faisalabad	Faisalabad
6.		Jhang
7.		Sargodha
8.	GM Interior Sindh / Balochistan	Sukkur
9.		Larkana
10.		Quetta
11.		D.M. Jamali
12.	GM Islamabad	Islamabad
13.		Muzaffarabad
14.		Gilgit-Baltistan

15.		Sialkot
16.	GM Karachi	Karachi
17.		Hyderabad
18.		Nawab Shah
19.		Mirpur Khas
20.	GM KPK	Peshawar
21.		D.I.Khan
22.		Mingora
23.		Abbottabad
24.	GM Lahore	Lahore
25.		Gujranwala
26.		Okara
27.		Sheikhupura
28.	GM Multan	Sahiwal
29.		Multan
30.		Muzaffargarh
31.		D.G.Khan

ZTBL Head office at Zero point Islamabad. ZTBL staff college ZTBL Farms Orchard Scheme, Islamabad

*****End of Document*****