

**PRE-QUALIFICATION DOCUMENT
No. 204102023-1**

FOR

**PROVISION OF TECHNOLOGY SOLUTION
FOR
PUNJAB POLICE INTEGRATED COMMAND, CONTROL &
COMMUNICATION (PPIC3) CENTER
RAWALPINDI**



Punjab Information Technology Board (PITB)

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

Phone: (+ 92) (42) (990000000), Fax: (+92) (42) (99232123)

URL: www.pitb.gov.pk

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1 GENERAL

Punjab Information Technology Board (PITB) intends to invite Prequalification (PQ) proposals from interested Applicant(s) for the provision of TECHNOLOGY SOLUTION FOR PUNJAB POLICE INTEGRATED COMMAND, CONTROL & COMMUNICATION (PPIC3) CENTER RAWALPINDI SPONSORED BY PUNJAB SAFE CITY AUTHORITY, PUNJAB POLICE DEPARTMENT. All well-reputed, registered and established firms having requisite technical, financial and managerial capabilities are invited to participate in the PQ process for the above said project, through submission of their proposals.

2 PURPOSE OF THIS DOCUMENT

The purpose of this document is to have understanding of the available competencies, solutions, tools and best practices including implementation of TECHNOLOGY SOLUTION FOR PUNJAB POLICE INTEGRATED COMMAND, CONTROL & COMMUNICATION (PPIC3) CENTER RAWALPINDI SPONSORED BY PUNJAB SAFE CITY AUTHORITY, PUNJAB POLICE DEPARTMENT, as well as to prequalify eligible Applicant(s), capable of accomplishing the tasks outlined in this document. The Applicants are required to provide profiles of their firms comprising experience, personnel and financial strength along with proposed solutions including but not limited to the Applicant's methodology and technology for implementing the TECHNOLOGY SOLUTION FOR PUNJAB POLICE INTEGRATED COMMAND, CONTROL & COMMUNICATION (PPIC3) CENTER RAWALPINDI SPONSORED BY PUNJAB SAFE CITY AUTHORITY, PUNJAB POLICE DEPARTMENT.

TERMS AND CONDITIONS OF THE PRE-QUALIFICATION

Definitions

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

- I. Applicant means the party which submits a proposal in response to this PQ Document.
- II. "Authorized Representative" means any representative appointed, from time to time, by the Applicant, Purchaser or Client.
- III. "Purchaser" means the Punjab Information Technology Board (PITB), or any other entity for the time being or from time to time duly appointed in writing by the Government to act as Purchaser for the purpose.
- IV. "Client" means PITB, Government of the Punjab.
- V. "Day" means calendar day.
- VI. "Employer" means Purchaser and/or Client.
- VII. "PQ Document" means the Pre-Qualification Document in consideration.
- VIII. "Joint Venture" means a legal entity formed under the laws of Pakistan to submit a proposal and participate in subsequent tendering processes in response to this PQ Document.
- IX. "Person" includes an individual, an association of persons, firm, company, corporation, institution and organization, etc.
- X. "Prescribed" means prescribed in the PQ Document.

Disclaimer

This PQ document for the provision of TECHNOLOGY SOLUTION FOR PUNJAB POLICE INTEGRATED COMMAND, CONTROL & COMMUNICATION (PPIC3) CENTER RAWALPINDI SPONSORED BY PUNJAB SAFE CITY AUTHORITY, PUNJAB POLICE DEPARTMENT ('the Project') contains brief information about the project and process for pre-qualification of Applicants for RFP stage. The purpose of the document is to provide the Applicants with information to assist the formulation of their PQ proposal and to pre-qualify interested Firms / Applicants / Contractors for the RFP Stage.

While all efforts have been made to ensure the accuracy of information contained in this PQ Document, this document may not contain all the information required by the Applicants. The Applicants should conduct their own independent assessment, investigations and analysis and may prepare their proposals in the light of relevant experience and international best practices. Punjab Information Technology Board (PITB) or any of its employees or advisors/contractors, shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the PQ Document.

PITB reserves the right to change any or all conditions / information set in this PQ Document by way of revision, deletion, update or annulment through issuance of appropriate advertisement as the Client may deem fit in accordance with the PPRA Rules 2014. Participation in the PQ process does not qualify any Applicant for the next stage of the procurement process.

PITB will not entertain or be liable for any claim for costs and expenses in relation to the preparation of the PQ proposal to be submitted in terms of this Document.

3 PROJECT BACKGROUND

The increasing complexity of social and economic life is driven by rapid developments in technology, communication, and transportation. New inventions, new technologies, changing preferences and external shocks are constantly altering and modifying the most fundamental structure within the environment. Increasingly, organizations operate in turbulent environments with unexpected changes, uncertainty, and lack of control, complex decisions, group interdependencies, high performance demand and unclear and fuzzy boundaries.

Today's complex policing environment requires enhanced strategic police capabilities in protective security (including tightened ports, airports and border security) and combating terrorism. In fact, there is a critical need for a holistic approach to policing that covers:

- Serious and organized crimes
- Counter-terrorism and extremism
- Impacts of global instability and conflicts
- Business Continuity and emergency response management
- Public order events
- Critical National Infrastructure policing

Operating within a complex and dynamic security environment requires a high-level strategic approach that incorporates an overarching security strategy, comprehensive risk management, fully joined-up governance and effective Program support. The strategy needs to be fully integrated into the national security strategy and achieve high levels of international confidence in the security arrangements.

There needs to be a Program of modernizing the police systems to deliver better and more flexible resources to meet the requirements of a dynamic and complex policing environment. Operational business processes, facilities and ICT infrastructure need to be aligned to ensure that they support this evolving capacity, capability, efficiency and effectiveness approach. In short, there is a need to:

- Better manage the demand for a police response
- Develop a community services ethos within the police force
- Engender a more professional approach within the police force that is better able to address the
- Security situation and meet the need of the citizens
- Provide information and intelligence to ensure that informed decisions are made with regard to priority and allocation of the most appropriate resources in response to calls for assistance
- Ensure that the police are efficient and effective

The overall objective of the Integrated Command, Control and Communication (IC3) Centre Program to modernize the infrastructure, systems and capabilities for the police to proactively manage the security situation and to professionalize the police response to incidents by moving towards directed and mission-focused deployment of resources. IC3 will bring together the innovative Concept of Operations (ConOps), quality focused business processes with an integrated technical solution to provide an operational solution that delivers:

- New technology and process infrastructure to provide real-time information and intelligence to facilitate field commanders making evidence-based decisions in operationally critical situations
- Ability to have access to and share information within the Punjab Police departments as well as external agencies to ensure seamless service delivery to the public and a more timely and effective response
- Provision of information and intelligence to ensure that informed decisions are made with regard to priority and allocation of the most appropriate resources in response to calls for assistance
- Provision of high-quality emergency response systems to the residents and visitors

- Delivery of flexible operational systems that can evolve and expand with the evolving needs
- Increased capacity that acknowledges foreseeable growth profiles in the future.
- The design and implementation of a consolidated IC3 organizational operating model to optimize cross agency coordination, communication, and effectiveness of public safety and emergency services delivery.

The overall aim of the IC3 Program is to improve Punjab Police's operational efficiency by deploying new hardware using up-to-date technology that will enable the Police to adopt more efficient working practices and new operating concepts. The role of the Police will not fundamentally change by the introduction of the IC3; the efficiencies relate to how that role is carried out from both process and performance perspectives. In progressing towards greater efficiencies, one of the IC3 aims is to bring together various elements of Punjab Police operation to work as a more unified team. The IC3 technology solution incorporates the following major components:

- **Command and Control System** - including Command and Control Incident Management, Geographic Information System (GIS), Resource Management System, Integrated Automatic Resource Location System (ARLS), and Mobile Data Terminals
- **Integrated Video Management System (IVMS)** – including System Control and Management, Digital Recording and Archiving, Specific Analysis Tools, Video Walls and Control Systems, and In-Vehicle Video Systems
- **Field Equipment** – including Strategic Surveillance Locations, Surveillance of Public Places, Surveillance of Intersections, Surveillance of roads, Surveillance of Iconic Buildings / Locations, Camera installation and Security and power and connectivity
- **Implementation and Fit-out** – including Data Centre fit-out, structured cabling, furniture and desktop as well as system integration and testing

4 BRIEF SCOPE OF WORK

The scope mentioned below is high level scope of work. The detailed scope of work shall be shared with the shortlisted Applicants after the prequalification process at RFP stage.

The scope of work is limited to areas under the jurisdiction of Rawalpindi City. The key components of the scope of the work are provided below. The components may be added or deleted at the RFP stage.

- a) Video surveillance including, Installation of cameras and set up of Command-and-Control Centre and live feed of cameras.
- b) Data center including Design and setup of primary Data Centre, Deployment and Installation of hardware including servers, storage, racks, core router, switches and firewall.
- c) Providing redundant connectivity through reliable media from cameras to Command-and-Control center and DC, Detail network diagram with network architecture and provide all active and passive equipment.
- d) Command & Control Centre hardware including video Wall with allied accessories, Data center, LAN, PC, printers, scanners, switch/router, building security equipment etc.
- e) Integration including provisioning and Integration of the Security and Surveillance system with existing databases as per industry standards, Command and Control, GIS, Resource Management System, Computer Telephony Integration Applications, Integrated desktop, crime and intelligence Systems and GIS and location services.
- f) Trainings on Key element and is critical to the success of the IC3 Centre Program and Comprehensive training program for management, operational, maintenance, and support personnel.
- g) The Contractor shall be responsible for complete technology transfer to the procuring agency.
- h) The Contractor shall be responsible for obtaining “Right of Ways”, wherever needed.

The Geographical Scope of the project is approximately covering entire city of Rawalpindi. Indicative area to be covered by surveillance system has also been provided in **Annexure-B**.

The project consists of the two Lots, details of which are given:

- **Lot No. 01 – Surveillance System, NOC & Data Center on Turn-key Basis**
- **Lot No. 02 – Infrastructure, Optical Fiber on Lease Basis**

LOT DETAILS

Lot No. 01 – Surveillance System, NOC & Data Center on Turn-key Basis

Sr. #	Item	Description
1	CCTV and Field Equipment	Comprehensive CCTV solutions including various camera types (e.g., ANPR, dome, PTZ, outdoor) equipped with advanced features for precise monitoring. Essential field equipment such as mounting brackets, power distribution units, and weatherproof enclosures must be included to ensure uninterrupted surveillance in various environments.
2	Infrastructure Readiness	The scope involves preparing sites with appropriate poles designed to support the weight and reach of CCTV equipment. Integration of power and data conduits into the infrastructure is essential for secure equipment installation. Rigorous site analysis and proper grounding systems must be implemented to guarantee both safety and optimal performance.
3	Network Connectivity	To establish stable high-bandwidth access networks, firms should deploy advanced networking equipment. Redundant routing protocols must be implemented to ensure seamless failover in case of network disruption. Quality of Service (QoS) mechanisms need to be in place to prioritize video data transmission.
4	Control Room Setup	The design and configuration of fully functional control rooms require high-resolution video walls with multi-screen display capabilities for visualizing multiple camera feeds simultaneously. Operator computers must meet the processing power requirements for real-time video decoding and analysis. Networking infrastructure should include VLAN segmentation and firewall configurations to secure control room operations.
5	Core Network Infrastructure	The design and implementation of a robust core network infrastructure encompassing switches, routers, and firewalls is crucial to ensure secure and efficient data communication across the system. Redundant path configurations with protocols should be implemented to ensure fault tolerance. The implementation of Intrusion Detection and Prevention Systems (IDPS) helps safeguard against network breaches.
6	Compute Resources	Providing essential computing resources involves deploying high-performance servers with multi-core processors to handle real-time video analytics. GPU servers with CUDA support enhance video processing capabilities. Hyper-converged infrastructure (HCI) should be designed for easy scalability to accommodate future expansion. Precision cooling solutions with smart racks to maintain optimal temperature levels in densely packed rack configurations.
7	Power and Backup Solutions	Addressing power requirements necessitates UPS units with online double conversion to provide continuous power during fluctuations. Genset solutions with automatic transfer switches ensure immediate backup power generation during outages. Redundant power feeds and load-sharing configurations enhance system reliability.
8	Surveillance Data Storage	The design and deployment of scalable storage solutions involve high-capacity Network Attached Storage (NAS) systems with RAID configurations to ensure data redundancy and availability. Data archiving and tiered storage strategies optimize storage management and retrieval times.
9	Software and Tools	Firms are expected to provide Network Management Systems (NMS), software tools, and resources necessary for robust network monitoring, system management, and data analysis to maintain operational efficiency.
10	Integration Expertise	Seamless integration requires expertise in industry-standard protocols such as ONVIF for interoperability between different surveillance components. API-based integration between NMS, surveillance software, and control room applications ensures unified control and easy data sharing.

Lot No. 02 – Infrastructure, Fiber Optics on Lease Basis

Sr. #	Item	Description
1	Comprehensive Network Design	This includes meticulous planning of network topology and routing to ensure seamless connectivity. Additionally, the design phase encompasses the creation of a comprehensive fiber optics network layout, incorporating precise splicing techniques and an architecture conducive to efficient data transmission.
2	Equipment Deployment	Deployment entails the installation premium fiber optic cables, connectors, and specialized splicing tools. Careful attention is paid to the placement of fiber cables, connectors, distribution panels, and termination points at crucial junctures including the Right of Way. These installations adhere to industry standards to ensure robust connections.
3	Testing and Last Mile Connectivity	Optical loss testing and Optical Time Domain Reflectometer (OTDR) measurements are performed to assess the signal's integrity and performance. Moreover, the endeavor extends fiber connectivity to last-mile of respective site including the Right of Way. This extension involves precise splicing and configuration for the establishment of dependable and high-speed access.
4	Managed Services with SLAs (per Mbps)	Continuous monitoring, NMS, proactive maintenance, and effective troubleshooting ensure consistent network performance. Moreover, the project provides the distinctive feature of scalable bandwidth allocation per Mbps. This scalability allows seamless adjustment to meet evolving user requirements.

Note:

- (i) The Applicants are required to submit their Pre-Qualification (PQ) proposal and propose their own solution based on the information presented in the preceding paragraphs, Lots detail, their experience, and international best practices.
- (ii) Applicants can apply on any or all lots mentioned above.

5 **INSTRUCTIONS TO APPLICANTS**

5.1 **Submission of Proposal**

Applications for Pre-Qualification (PQ) containing separate Pre-Qualification Proposals, one (01) original and one (01) copy should be submitted in separately sealed envelopes, to be delivered into the Tender Box, placed at reception of Punjab Information Technology Board, 13th Floor, Arfa Software Technology Park (ASTP), 346-B, Ferozepur Road, Lahore, Pakistan as per the schedule below:

Lot No.	Description	Pre-proposal Meeting Date, Time & Place	Proposal Submission Date & Time	Proposal Opening Date & Time
1	Surveillance System, NOC & Data Center on Turn-key Basis	11:00 AM 11 October, 2023 13th Floor, Arfa Software Technology Park (ASTP), 346-B, Ferozepur Road, Lahore.	12:00 PM 19 October, 2023	12:30 PM 19 October, 2023
2	Infrastructure, Fiber Optics on Lease Basis	11:00 AM 11 October, 2023 13th Floor, Arfa Software Technology Park (ASTP), 346-B, Ferozepur Road, Lahore.	12:00 PM 19 October, 2023	12:30 PM 19 October, 2023

- (i) In case the last date of proposal submission falls in / within the official holidays / weekends of the Purchaser, the last date for submission of the proposals shall be the next working day.
- (ii) The proposals are to be prepared in English language. The Applicants must provide complete information along with supporting documents. Any lapses to provide essential information may result in disqualification of the Applicant.
- (iii) All documents submitted by the Applicants should preferably be delivered in one Packet/parcel for ease of handling and to avoid loss of documents. Any misleading statement(s) or information by any Applicant will result into disqualification at any stage.
- (iv) The Applicants can seek any clarification regarding the project, Pre-Qualification (PQ) Documents or Evaluation Criteria from the following:

PRIMARY CONTACT

Sajjad Ghani
Chief Information Officer
Punjab Information Technology Board, Government of Punjab
14th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Email: Sajjad@pitb.gov.pk
Office Phone: (+ 92) (42) (990000000)

Ata ur Rahman
Director (D&P)
Punjab Information Technology Board, Government of Punjab
13th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.
Email: ata.rahman@pitb.gov.pk
Office Phone: (+ 92) (42) (990000000)

SECONDARY CONTACT

Muzaffar Abbas

Joint Director (IT Operations)

Punjab Information Technology Board, Government of Punjab
14th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.

Email: muzaffar.abbas@pitb.gov.pk

Office Phone: (+ 92) (42) (990000000)

Ali Raza

Joint Director (IT Infrastructure)

Punjab Information Technology Board, Government of Punjab
07th Floor Arfa Software Technology Park, 346-B, Ferozepur Road, Lahore.

Email: ali@pitb.gov.pk

Office Phone: (+ 92) (42) (990000000)

- (v) Interested Applicants should note that during the period from the receipt of the proposal and till further notice from the Primary Contact, all queries should be communicated via the Primary Contact in writing or e-mail only. In the case of an urgent situation where the Primary Contact cannot be contacted, the interested Applicants may alternatively direct their enquiries through the Secondary Contact.
- (vi) Interested Applicants/ are also required to state in their proposals the name, title, fax number and e- mail address of their authorized representative through whom all communications shall be directed until the process has been completed or terminated.
- (vii) The Purchaser will not be responsible for any costs or expenses incurred by Applicants in connection with the preparation or delivery of proposals.

6 QUALIFICATION CRITERIA

6.1 General

Pre-Qualification will be based on all the criteria given in succeeding sections regarding the Applicant’s financial soundness, experience, personnel and technical solution as indicated by the Applicant’s responses in the forms given in this document.

6.2 Lot-wise Evaluation Criteria

LOT No. 01

(Surveillance System, NOC & Data Center on Turn-key Basis)

6.2.1 Mandatory Requirements

6.2.1.1 The Applicant must comply with the following mandatory requirements and provide the required documentation in the PQ Proposal. Initially, the proposals will be evaluated on the following mandatory requirements to ascertain eligibility:

Sr. No.	Mandatory Requirement	Required Documentation
1	The Applicant must be registered under the laws of Pakistan for the last ten (10) years. In case of JV, the Lead Partner must be registered under the laws of Pakistan for the last ten (10) years.	(Certificate of Company/Firm Registration/Incorporation)
2	Valid Income Tax Registration with all relevant authorities	Proof of Registration
3	Valid General Sales Tax Registration with all relevant authorities	Proof of Registration
4	<ul style="list-style-type: none">• The Applicant is not blacklisted by any provincial or federal government department, agency, organization or autonomous body anywhere in Pakistan.• Undertaking of No Conflict of Interest• Correctness of Information Certificate	Affidavit on non-judicial Stamp Paper of Rs. 100/- or Official Letter-head
5	The Applicant or in case of JV, any of JV firm has experience of successful delivery of at least one Surveillance Project with Network Connectivity and Control Room	Affidavit on non-judicial Stamp Paper of Rs. 100/- or Official Letter-head, along with the relevant project documents i.e., Copy of the Contract

6.2.1.2 Only eligible Applicants shall be considered for next stage (point-based evaluation) of Pre-Qualification process.

6.2.2 Evaluation Categories and Points

(i) Category-wise distribution of points shall be as under:

Sr. No.	Category	Points
1.	Experience	70
2.	Personnel Capabilities	15
3.	Financial Strength	15
	Total:	100

(ii) **Note:** Technical qualification status shall be determined on the point scoring criteria. In order to qualify, the Applicant must obtain overall 70 points and at least 50% points in each category, as mentioned in the table above.

(iii) Detailed Pre-Qualification criteria are given below:

6.2.2.1 Experience

(i) Points will be allocated on the basis of the following criteria:

Sr. No.	Description	Maximum Points	Remarks
1	General Work Experience Implementation of Five (05) ICT projects (Systems, Solutions, Automation, Datacenter Infrastructure, Network Infrastructure etc.) in last Ten (10) years Five (05) points for each project: <ul style="list-style-type: none">• Minimum worth of Rs. 100 million for each project.• No points will be allocated for projects having the worth less than Rs. 100 million• No more than Five (05) ICT projects should be submitted.	25	Points will be allocated on the basis of valid documentary evidence that is (Copy of the Contract/Work Order AND Completion Certificate)
2	Similar Work Experience Similar experience of Design, Implementation (supply, installation, testing, commissioning, and training), and Support for Integrated Command-and-Control Systems. Points will only be allocated to projects which include the following main components: <ul style="list-style-type: none">(i) CCTV Video Surveillance - (03 Points)(ii) Datacenter - (03 Points)(iii) Electrical and Civil Works - (01 Points)(iv) Network Operations Center (NOC) - (01 Points)(v) Video Wall - (02 Points) Ten (10) points for each project: <ul style="list-style-type: none">• Minimum worth of Rs. 250 million for each project• No points will be allocated for projects having the worth less than Rs. 250 million• No more than three (03) projects should be submitted.	30	
3	ISO9001/ISO27001/ISO20000-1 Standard Certification or Internationally Accredited Certificate	05	
4	Proposed Methodology on Implementation of Scope of Work	10	
Sub-total:		70	

6.2.2.2 Personnel Capabilities

- (i) The Applicant shall provide personnel with relevant experience to fill the key management and specialist positions mentioned below.
- (ii) The Applicant will provide Proof of Employment and CVs of key specialists for each relevant area/domain, as listed in table below, and points will be allocated on the basis of the following criteria:

Sr. No.	Domain Specialist With minimum five (05) years of experience	Points	Remarks
1	Project Management (Lead)	02	Proof of employment of the indicated personnel and their CVs to be attached (for Serial Numbers 1-8 only)
2	Infrastructure & Communications Specialist	01	
3	Data Centre Management Specialist	01	
4	Solution Integration Specialist	01	
5	Electrical Engineer	01	
6	Software Engineer	01	
7	Civil Engineer	01	
8	Training and Capacity Building Specialist	01	
9	Technical Support Staff for deployment of Cameras, Poles, and all related Equipment on site	06 <ul style="list-style-type: none">01-10 = 4 points11-20 = 5 pointsMore than 20 = 6 points	For Serial Number 09, List of Resources is required.
Sub-total:		15	

6.2.2.3 Financial Strength

- (i) Points will be allocated on the basis of the following criteria:

Sr. No.	Description	Maximum Points	Remarks
1	Current Assets as per the Latest Audited Balance Sheet, duly signed & stamped	05	No points if Audited Balance-Sheets is not provided. <ul style="list-style-type: none">Assets ≥ Rs. 100 million but ≤ 200 million = 1Assets > Rs. 200 million but ≤ 300 million = 2Assets > Rs. 300 million but ≤ 400 million = 3Assets > Rs. 400 million but ≤ 500 million = 4Assets > Rs. 500 million = 5
2	Average Annual Turnover of Last Three (03) years as per the Audited Income Statements, duly signed & stamped	10	No points if Audited Income Statements are not provided. <ul style="list-style-type: none">Average Annual Turnover ≥ Rs. 2000 million but ≤ 3000 million = 5Average Annual Turnover > Rs. 3000 million = 10No points for Average Annual Turnover less than Rs. 2000 million
Sub-total:		15	

LOT No. 02

(Infrastructure, Fiber Optics on Lease Basis)

6.2.3 Mandatory Basic Requirements

6.2.3.1 The Applicant must comply with the following mandatory requirements and provide the required documentation in the PQ Proposal. Initially, the proposals will be evaluated on the following mandatory requirements to ascertain eligibility:

Sr. No.	Mandatory Requirement	Required Documentation
1	The Applicant must be registered under the laws of Pakistan for the last ten (10) years. Joint Venture (JV) is not allowed on Lot No. 02.	(Certificate of Company/Firm Registration/Incorporation)
2	Valid Income Tax Registration with all relevant authorities	Proof of Registration
3	Valid General Sales Tax Registration with all relevant authorities	Proof of Registration
4	Must have valid relevant licensing from PTA	Relevant License from PTA
5	<p>The Applicant must have the following:</p> <ul style="list-style-type: none">(i) Relevant business experience of at least Ten (10) years i.e.,<ul style="list-style-type: none">a. Installation of network equipment (Core & Distribution).b. Should have own Optical Fiber Network covering more than 2,000 km with managed service including Operations & Management (O&M).(ii) Capability of providing;<ul style="list-style-type: none">a. End-to-end solution of connectivity and configuration for Network Infrastructure (Router and Switch).b. 24x7 on-site team along with ENOC for managed services of the entire solution.(iii) Capability of providing end-to-end MPLS connectivity for secure private network availability.(iv) An enterprise NOC for complaint registration and escalations;<ul style="list-style-type: none">a. Efficient 24/7 Complaint Management System / NOC.b. Ticketing system for complaints/queries.	Affidavit on non-judicial Stamp Paper of Rs. 100/- or Official Letter-head
6	<ul style="list-style-type: none">• The Applicant is not blacklisted by any provincial or federal government department, agency, organization or autonomous body anywhere in Pakistan.• Undertaking of No Conflict of Interest• Correctness of Information Certificate	Affidavit on non-judicial Stamp Paper of Rs. 100/- or Official Letter-head

6.2.3.2 Only eligible Applicants shall be considered for next stage (point-based evaluation) of Pre-Qualification process

6.2.4 Evaluation Categories and Points

(i) Category-wise distribution of points shall be as under:

Sr. No.	Category	Points
1.	Experience	70
2.	Personnel Capabilities	15
3.	Financial Strength	15
Total:		100

(i) **Note:** Technical qualification status shall be determined on the point scoring criteria. In order to qualify, the Applicant must obtain overall 70 points and at least 50% points in each category, as mentioned in the table above.

(ii) Detailed Pre-Qualification criteria are given below:

6.2.4.1 Experience

(i) Points will be allocated on the basis of the following criteria:

Sr. No.	Description	Maximum Points	Remarks
1	<u>General Work Experience</u> Implementation of Five (05) connectivity related projects in last Five (05) years. Five (05) points for each project: <ul style="list-style-type: none">• Minimum worth of Rs. 10 million for each project• No points will be allocated for projects having the worth less than Rs. 10 million• No more than Five (05) projects should be submitted.	25	Points will be allocated on the basis of valid documentary evidence that is (Copy of the Contract/Work Order AND Completion Certificate)
2	<u>Similar Work Experience</u> Satisfactory Certificate from Five (05) Clients for provisioning of at least 100 Mbps Bandwidth for a single project Six (06) points for each project: <ul style="list-style-type: none">• No more than Five (05) projects should be submitted.	30	
3	ISO9001/ISO27001/ISO20000-1 Standard Certification / Internationally Accredited Certificate	05	
4	Proposed Methodology on Implementation of Scope of Work	10	
Sub-total:		70	

6.2.4.2 Personnel Capabilities

- (i) The Applicant shall provide personnel with relevant experience to fill the key management and specialist positions mentioned below.
- (ii) The Applicant will provide Proof of Employment and CVs of key specialists for each relevant area/domain, as listed in table below, and points will be allocated on the basis of the following criteria:

Sr. No.	Domain Specialist	Points	Remarks
1	Project Management (Lead) With ten (10) years of experience	02	Proof of employment of the indicated personnel and their CVs to be attached (For Serial Number 1-5 Only)
2	Infrastructure & Communications Specialist	02	
3	Data Centre/Infrastructure Specialist	02	
4	Solution Architect (solution, network, hardware)	02	
5	Hardware/Systems Specialist	02	
6	Technical Support Staff Fiber & Active Network Infrastructure	05 <ul style="list-style-type: none"> • 01-10 = 1 points • 11-20 = 2 points • 21-30 = 3 points • 31-40 = 4 points More than 40 = 5 points 	For Serial Number 06 , List of Resources is required.
Sub total		15	

6.2.4.3 Financial Strength

(i) Points will be allocated on the basis of the following criteria:

Sr. No.	Description	Maximum Points	Remarks
1	Current Assets as per the Latest Audited Balance Sheet, duly signed & stamped	05	No points if Audited Balance Sheet is not provided. <ul style="list-style-type: none"> • Assets ≥ Rs. 100 million but ≤ 200 million = 1 • Assets > Rs. 200 million but ≤ 300 million = 2 • Assets > Rs. 300 million but ≤ 400 million = 3 • Assets > Rs. 400 million but ≤ 500 million = 4 • Assets > Rs. 500 million = 5
2	Average Annual Turnover of Last Three (03) years as per the Audited Income Statements, duly signed & stamped	10	No points if Audited Income Statements are not provided. <ul style="list-style-type: none"> • Average annual turnover ≥ 500 million but ≤ 1000 million = 5 • Average annual turnover > 1000 million = 10 • No points for turnover less than Rs.500 million
Sub-total:		15	

7 OTHER FACTORS

- (i) Only Applicants that have been prequalified under this procedure shall be invited to submit proposal at the RFP stage.
- (ii) An Applicant can apply for pre-qualification individually or through a joint venture (JV). For details refer to **Annexure C**.
- (iii) If an Applicant applies for pre-qualification through JV (Joint Venture), the composition of JV members shall remain same for the RFP stage. If the composition of JV members is changed after the pre-qualification stage by any Applicant, the proposal of that Applicant will be rejected.
- (iv) The Applicant can apply on any or all lots mentioned in Section 4.
- (v) Joint Venture (JV) is not allowed on Lot No. 02.
- (vi) The Purchaser may reject all proposals at any time prior to the acceptance of a proposal. The Purchaser shall upon request, communicate to any Applicant, the grounds for its rejection of all proposals, but shall not be required to justify those grounds. The Purchaser shall incur no liability, solely, by virtue of its invoking sub-rule (1) of Rule-35 of Punjab Procurement Rules, 2014 towards the Applicants. However, Applicants shall be promptly informed about the rejection of the proposals, if any (As per Rule 35 of Punjab Procurement Rules, 2014).
- (vii) The Applicant shall bear all costs / expenses associated with the preparation and submission of the Proposal(s) and the Employer shall in no case be responsible / liable for those costs / expenses.

Letter of Application

[Letterhead paper of the Applicant including full postal address, telephone no., fax no., telex no. and e-mail address]

Date:

To:

.....

[Name and address of the Employer]

Sir,

1. Being duly authorized to represent and act on behalf of _____(hereinafter “the Applicant”), and having reviewed and fully understood all the PQ information provided, the undersigned hereby applies to be pre-qualified for the provision of TECHNOLOGY SOLUTION FOR PUNJAB POLICE INTEGRATED COMMAND, CONTROL & COMMUNICATION (PPIC3) CENTER RAWALPINDI SPONSORED BY PUNJAB SAFE CITY AUTHORITY, PUNJAB POLICE DEPARTMENT:
2. Attached to this letter are copies of original documents defining:
- (a) The Applicant's legal status;
 - (b) The principal place of business;
 - (c) The place of incorporation (for Applicants who are corporations); or
The place of registration and the nationality of the owners (for Applicants who are partnerships or individually owned Applicants);
3. The Client and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this proposal, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by the Employer or its authorized representative to verify statements and information provided in this proposal, or with regard to the resources, experience, and competence of the Applicant.
4. The Employer and its authorized representatives may contact the following persons for further information, if needed.

General and Managerial Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2
Personnel Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2
Technical Inquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2
Financial Inquiries	
Contact 1	Telephone 1

Contact 2	Telephone 2
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- 5. This proposal is made with the full understanding that:
 - (a) Proposals by pre-qualified Applicants will be subject to verification of all information submitted for pre-qualification.
- 6. The undersigned declare that the statements made and the information provided in the proposal are complete, true, and correct in every detail.

Stamp & Signature of the Applicant

General Information

All individual Applicants applying for pre-qualification individually or through JV are requested to complete the information in this form. Nationality information is also to be provided for foreign owners.

1	Name of Applicant	
2	Head Office Address	
3	Telephone	Contact Person: Name: Title:
4	Fax	Telex
5	Place of incorporation/Registration	Year of incorporation/registration

General Experience

Name of Applicant

All individual Applicants are requested to complete the information in this form.

Starting Month Year	Ending Month Year	Year	Contract Name, Name & Address of Employer Brief Description of Works Executed	Role of Applicant

Similar Experience

Name of Applicant

On a separate page, using the format of Application Form A-4, each Applicant is required to list all contracts of a similar nature and complexity to the contract for which the Applicant wishes to qualify, undertaken during the last ten (10) or five (05) years, as required in qualification criteria of respective Lots. The information is to be summarized, using Application Form A-4, for each contract completed or under execution by the Applicant.

Contracts of Similar Nature and Complexity

Name of Applicant

Use a separate sheet for each contract/project.

1	Name of Contract
	Country
2	Name of Employer
3	Employer Address
4	Nature of works and special features relevant to the contract for which the Applicant wishes to prequalify

5	Contract Role (Tick One)
	(a) Sole Contractor (b) Sub- Contractor
6	Value of the total contract (in specified currencies) at completion, or at date of award for current contract Currency..... Currency..... Currency.....
7	Value in Pak/Rs.....
8	Date of Award.....
9	Date of Completion.....
10	Contract Duration (Years and Months) as per signed contract
	_____Years_____Months

Financial Strength

Name of Applicant

Applicants should provide financial information to demonstrate that they meet the specified requirements. A copy of the audited reports/balance-sheets should be attached.

Bank	Name of bank		
	Address of bank		
	Telephone		Contact name and title
	Fax		Telex

All individual Applicants are requested to provide information related to annual turnover.

Annual Turnover		
Year	Turnover (in Pak Rupees)	Turnover in Millions.
1.		
2.		
3.		

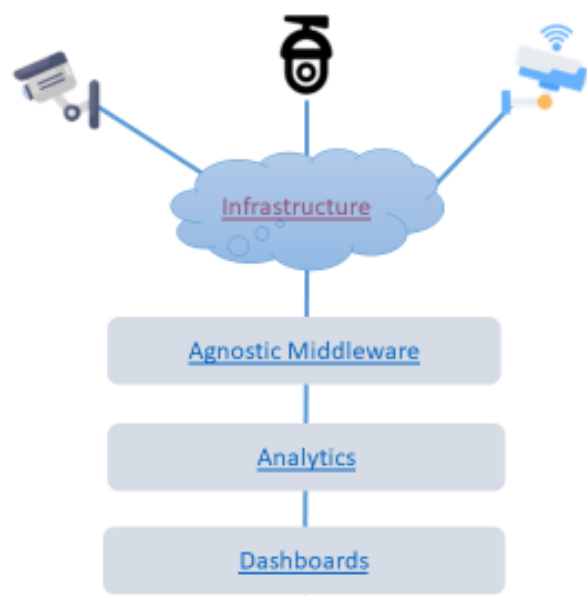
Summarize actual assets and liabilities in Pak Rupees for the previous three (03) years, based upon known commitments, projected assets and liabilities in Pak Rupees.

Financial information in Pak Rs.	Detail of Last three year		
	1	2	3
1. Total assets			
2. Current assets			
3. Total liabilities			
4. Current liabilities			
5. Profits before taxes			
6. Profits after taxes			

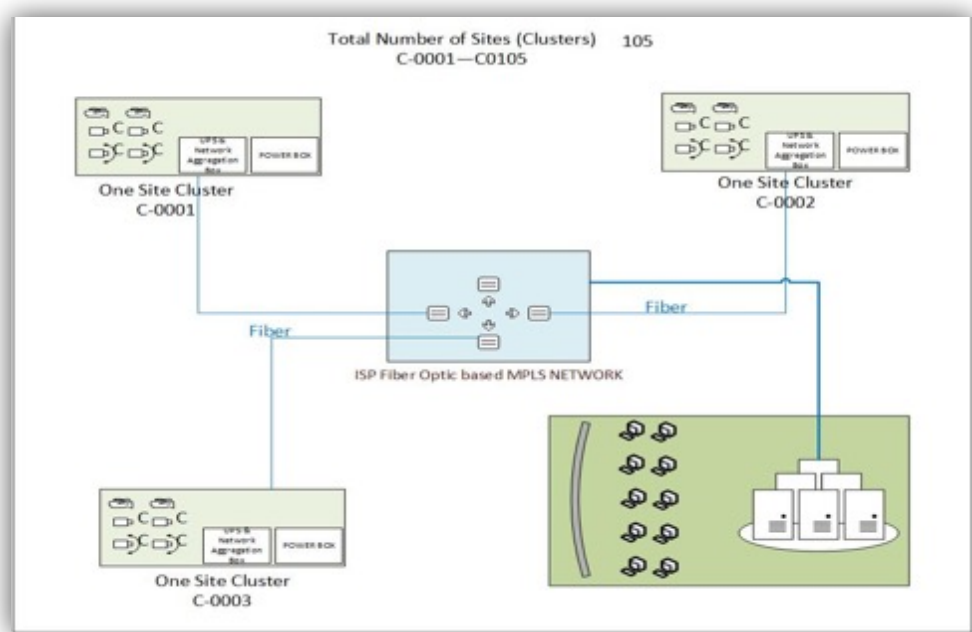
Applicants owned by individuals, and partnerships, may submit their audit reports / balance sheets certified by a registered accountant.

TECHNOLOGY IMPLEMENTATION & CONNECTIVITY OF PPIC3 CENTER RAWALPINDI

- **PPIC3 Rawalpindi**, Technology infrastructure entails the components below:
- Infrastructure
 - Agnostic Middleware
 - Analytics
 - Dashboards

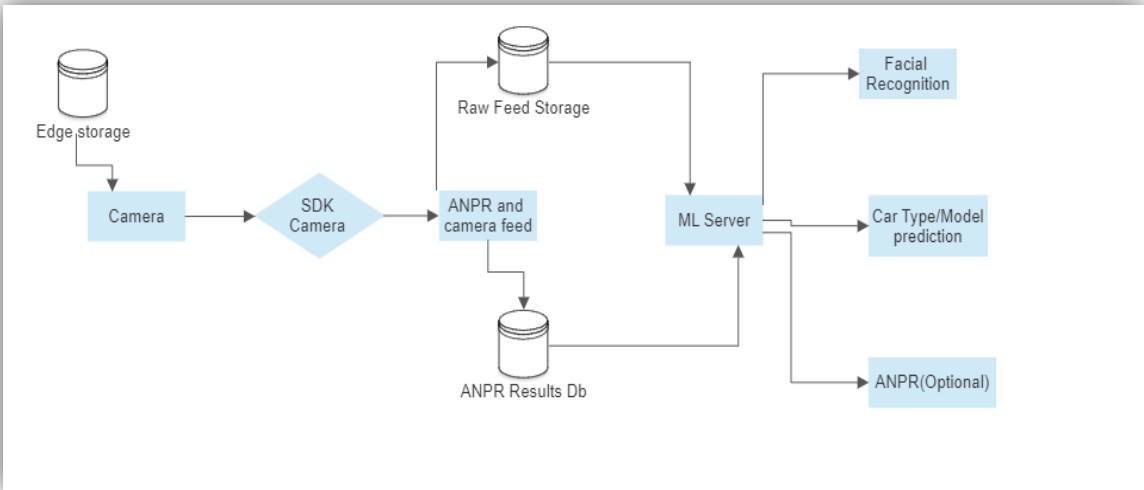


Infrastructure:
Cloud Infrastructure of PPIC3 Rawalpindi is as under:



Agnostic Middleware:

PPIC3 Rawalpindi shall allow multiple network blocks to share information on a single platform. Agnostic Middleware diagram is as under:



**Site Locations
(RAWALPINDI)**

Location sites map

<https://www.google.com/maps/d/edit?mid=1iN1nR-9RVl4zASM4Q07wVmddYMqbNvE&ll=34.326231601487336%2C73.1306685541159&z=8>

POINT (72.7867638 33.7419003)	201	Main Gt Road (Comsats University)	33.7419003	72.7867638
POINT (72.8062509 33.7303043)	202	Mandi Maweshiyan	33.7303043	72.8062509
POINT (72.8047273 33.7308611)	203	Gohra Chowk	33.7308611	72.8047273
POINT (72.8265861 33.7028763)	204	Ratta Shah Chowk	33.7028763	72.8265861
POINT (72.7948343 33.743174)	205	Gulistan Colony Filter Plant Road Wahcantt	33.743174	72.7948343
POINT (72.7270635 33.7980448)	206	Bhabhra Chowk Krbala Road	33.7980448	72.7270635
POINT (73.0708834 33.6281038)	207	Benazir Murree Road	33.6281038	73.0708834
POINT (73.0817928 33.6156216)	208	Ric Hospital	33.6156216	73.0817928
POINT (73.0816829 33.6085132)	209	Paf Chowk	33.6085132	73.0816829
POINT (73.0742208 33.6121133)	210	Dhok Khaba	33.6121133	73.0742208
POINT (73.0690846 33.6116972)	211	Main Itwar Bazar	33.6116972	73.0690846
POINT (73.0632836 33.5998942)	212	Marir Chowk	33.5998942	73.0632836
POINT (73.0660845 33.6026653)	213	Moti Mehal	33.6026653	73.0660845
POINT (73.0684228 33.6027967)	214	Rawalpini Medical University	33.6027967	73.0684228
POINT (73.0631958 33.6162372)	215	Imam Bargah Ashiq Hussain	33.6162372	73.0631958
POINT (73.0581457 33.6155708)	216	Lal Haveli	33.6155708	73.0581457
POINT (73.0597613 33.6134717)	217	Bohar Bazar	33.6134717	73.0597613
POINT (73.0653446 33.6166515)	218	Bhabra Bazar	33.6166515	73.0653446
POINT (73.0756411 33.6014805)	219	Waqar Ul Nisa Near College	33.6014805	73.0756411
POINT (73.0227879 33.6193357)	220	Zakriya Masjid	33.6193357	73.0227879
POINT (73.0305776 33.6164752)	221	Bakery Chowk	33.6164752	73.0305776
POINT (73.0116733 33.6242744)	222	Kacha Stop	33.6242744	73.0116733
POINT (73.0155735 33.6161789)	223	Aps Chowk	33.6161789	73.0155735
POINT (73.0045083 33.6140275)	224	Ashyana Chowk	33.6140275	73.0045083
POINT (73.0104259 33.6086857)	225	Choor Chowk	33.6086857	73.0104259
POINT (73.0118501 33.611127)	226	Bahria College	33.611127	73.0118501
POINT (73.0145007 33.6123243)	227	Sis School 11 Muhram Jaloos	33.6123243	73.0145007
POINT (73.0238884 33.6044592)	228	Wing Bakery	33.6044592	73.0238884
POINT (73.0201524 33.6085625)	229	Jaha Chowk	33.6085625	73.0201524
POINT (73.0149019 33.6072474)	230	Rafay Mall Solar	33.6072474	73.0149019
POINT (73.0099686 33.6076163)	231	Almaded Plaza	33.6076163	73.0099686
POINT (72.995747 33.6009638)	232	Misriyal Road Turn	33.6009638	72.995747
POINT (73.0225101 33.6092068)	233	Westridge Bazar	33.6092068	73.0225101
POINT (73.0038683 33.6202308)	234	Friends Hospital	33.6202308	73.0038683
POINT (72.9939439 33.6147763)	235	Pirwadhi More Main	33.6147763	72.9939439
POINT (73.0202027 33.5983828)	236	Allied Bank Lane 4	33.5983828	73.0202027
POINT (73.078364 33.646266)	237	Uroligy Center	33.646266	73.078364
POINT (73.0644249 33.6069351)	238	Liaqat Bagh	33.6069351	73.0644249
POINT (73.0865743 33.5779762)	239	National Park Road + Scheme 3 Road	33.5779762	73.0865743
POINT (73.1048835 33.5681144)	240	Gulraiz Housing Scheme	33.5681144	73.1048835
POINT (73.0999479 33.5525975)	241	High Court Road	33.5525975	73.0999479
POINT (73.062987 33.5996739)	242	Marir Chowk	33.5996739	73.062987
POINT (73.07776164 33.58147423)	243	Gor Road	33.58147423	73.07776164
POINT (73.06431063 33.60619642)	244	Liaqat Bagh Park	33.60619642	73.06431063
POINT (73.06340404 33.60561114)	245	Rawal Pindi Press Club	33.60561114	73.06340404
POINT (73.0657107 33.60578087)	246	Liaqat Bagh Metro Station	33.60578087	73.0657107
POINT (73.05539701 33.61328187)	247	Raja Bazar Road	33.61328187	73.05539701
POINT (73.05573229 33.61271451)	248	Liaqat Road	33.61271451	73.05573229
POINT (73.05513952 33.61315678)	249	Ganjmandi Road1	33.61315678	73.05513952
POINT (73.05491958 33.61290214)	250	Kashmiri Bazar	33.61290214	73.05491958
POINT (73.09919314 33.55675336)	251	Main Road	33.55675336	73.09919314
POINT (73.06540119 33.58485129)	252	Main Gt Road	33.58485129	73.06540119
POINT (73.10569453 33.5883351)	253	Main Chowk	33.5883351	73.10569453
POINT (73.09717681 33.58789512)	254	Near Red Rose Marriage Hall	33.58789512	73.09717681
POINT (72.86013356 33.55363298)	255	Choki New Airport	33.55363298	72.86013356
POINT (72.86071299 33.55536754)	256	Main Gate In/Out	33.55536754	72.86071299
POINT (72.86083929 33.55622607)	257	Post No 70	33.55622607	72.86083929
POINT (72.86122211 33.55750194)	258	Post No 69	33.55750194	72.86122211
POINT (72.86168155 33.55988358)	259	Post No 65	33.55988358	72.86168155
POINT (72.86148545 33.55858624)	260	Gate No 2	33.55858624	72.86148545
POINT (72.85997184 33.56084054)	261	Post No 62	33.56084054	72.85997184
POINT (72.85312393 33.54034876)	262	Post No 2	33.54034876	72.85312393
POINT (72.85225087 33.53787815)	263	Post No 4	33.53787815	72.85225087
POINT (72.84868477 33.53815998)	264	Post No 6	33.53815998	72.84868477
POINT (72.84716009 33.53844179)	265	Post No 8	33.53844179	72.84716009
POINT (72.84508854 33.53915396)	266	Thaliyan Gate Nazd Post No 9	33.53915396	72.84508854
POINT (72.84283659 33.53982924)	267	Post No 10	33.53982924	72.84283659

POINT (73.0444518 33.5820679)	134	22 No Chungi	33.5820679	73.0444518
POINT (73.0514061 33.5785439)	135	Harlay Chowk	33.5785439	73.0514061
POINT (73.0339688 33.5674949)	136	Mehboob Hospita	33.5674949	73.0339688
POINT (73.0322347 33.5720544)	137	Kamalabad	33.5720544	73.0322347
POINT (73.0335718 33.5824083)	138	Qassai Chowk	33.5824083	73.0335718
POINT (73.0382916 33.5816407)	139	Ajmairi Jewllers	33.5816407	73.0382916
POINT (73.0466773 33.589907)	140	Fwo Chowk	33.589907	73.0466773
POINT (73.0388369 33.5725337)	141	Bakra Mandi Chowk	33.5725337	73.0388369
POINT (73.0315289 33.5757604)	142	Groti Stop	33.5757604	73.0315289
POINT (73.0237428 33.5794245)	143	Dhoke Sayeda Chowk	33.5794245	73.0237428
POINT (73.0168971 33.5836782)	144	Barf Khana Chowk	33.5836782	73.0168971
POINT (73.0194567 33.5929686)	145	Dhoke Bnaras Chowk	33.5929686	73.0194567
POINT (73.0138925 33.5996233)	146	Shallay Valley	33.5996233	73.0138925
POINT (73.0408434 33.6047646)	147	Transit Camp Chowk	33.6047646	73.0408434
POINT (73.0414913 33.5957612)	148	Mh Hospital	33.5957612	73.0414913
POINT (73.0367962 33.5898579)	149	Army Medical College	33.5898579	73.0367962
POINT (73.0337896 33.5868983)	150	Sajad Bukhari Road	33.5868983	73.0337896
POINT (73.028908 33.5915773)	151	Dhoke Chodria	33.5915773	73.028908
POINT (73.0258011 33.5928348)	152	Afshan Colony	33.5928348	73.0258011
POINT (73.0343332 33.6013359)	153	Qasim Market	33.6013359	73.0343332
POINT (73.0385077 33.624036)	154	Khawajabad Chowk	33.624036	73.0385077
POINT (73.0281752 33.6252841)	155	Dhoke Matkyl Nazd Degree College	33.6252841	73.0281752
POINT (73.0233307 33.6303571)	156	Carriage Factory Chowk	33.6303571	73.0233307
POINT (73.0295634 33.618061)	157	Phattak Chowk	33.618061	73.0295634
POINT (73.0220219 33.6226353)	158	Kaliyamabad Chowk	33.6226353	73.0220219
POINT (73.0357623 33.6167124)	159	Railway Workshop Chowk	33.6167124	73.0357623
POINT (73.049736 33.6170457)	160	Ganjmandi Pull	33.6170457	73.049736
POINT (73.0463739 33.6221032)	161	Hazara Colony	33.6221032	73.0463739
POINT (73.1106486 33.5234629)	162	Midway Commercial Behria	33.5234629	73.1106486
POINT (73.0998116 33.4848961)	163	Grid Station	33.4848961	73.0998116
POINT (73.1220937 33.5309764)	164	Bahria Avenue	33.5309764	73.1220937
POINT (73.1112671 33.5324509)	165	Globe Chowk	33.5324509	73.1112671
POINT (73.1261431 33.4928677)	166	Allah Hoo Chowk	33.4928677	73.1261431
POINT (73.1209057 33.5464431)	167	Shetan Chowk	33.5464431	73.1209057
POINT (73.0580337 33.5537875)	168	Dhamm Syedan	33.5537875	73.0580337
POINT (73.0610225 33.5319643)	169	Ghulshan Main Markaz	33.5319643	73.0610225
POINT (73.0476104 33.5238976)	170	Dhok Pahariyan Chowk	33.5238976	73.0476104
POINT (73.0471291 33.5174547)	171	Punjab Housing Society	33.5174547	73.0471291
POINT (73.0431492 33.4863862)	172	Adyala Main Gate	33.4863862	73.0431492
POINT (73.0341309 33.4753612)	173	Main Chowk Gorakhpur	33.4753612	73.0341309
POINT (72.9583652 33.4253632)	174	Dhalla Chowk	33.4253632	72.9583652
POINT (73.0440049 33.5290074)	175	Samazar Chowk	33.5290074	73.0440049
POINT (73.045093 33.5195692)	176	Sadiq Chowk	33.5195692	73.045093
POINT (73.0271929 33.5515963)	177	Gulshan Iqbal Chowk	33.5515963	73.0271929
POINT (73.0223359 33.5527856)	178	Dhamial School	33.5527856	73.0223359
POINT (72.7190285 33.7773363)	179	Malakand Stop	33.7773363	72.7190285
POINT (73.082126 33.654398)	180	Dps Gate	33.654398	73.082126
POINT (73.0787414 33.6414113)	181	Shikarpuri Bakery Iran Road	33.6414113	73.0787414
POINT (73.091689 33.6520012)	182	Ohjri Camp Dhok Kala Khan Road	33.6520012	73.091689
POINT (73.0751558 33.6382625)	183	Rehmanabad Hbl Bank	33.6382625	73.0751558
POINT (73.0863799 33.626045)	184	Chowk Ashraf Town Band Khana Road	33.626045	73.0863799
POINT (73.0946073 33.6272983)	185	8 Number Chungi	33.6272983	73.0946073
POINT (73.0941594 33.6292524)	186	Hajji Chowk	33.6292524	73.0941594
POINT (73.0964673 33.6217424)	187	Jahaz Ground Infront Of Fizaia College	33.6217424	73.0964673
POINT (73.1064324 33.6219922)	188	Chatri Chowk	33.6219922	73.1064324
POINT (73.1113395 33.6294048)	189	Khanna Pull Fly Over	33.6294048	73.1113395
POINT (73.104427 33.6385969)	190	Said Pur Road Awan Super Store Jaloos Of Nambardar House	33.6385969	73.104427
POINT (73.0915407 33.6559451)	191	Dhok Kala Khan Service Road Near Devine Chuch	33.6559451	73.0915407
POINT (73.0897858 33.6305547)	192	Dhok Kashmirin Chowk	33.6305547	73.0897858
POINT (73.0856163 33.6321557)	193	Transformer Chowk	33.6321557	73.0856163
POINT (73.077808 33.6277831)	194	Asf Gate	33.6277831	73.077808
POINT (73.0758231 33.6290472)	195	Shahbaz Sherif Park Roundabout	33.6290472	73.0758231
POINT (73.0753833 33.6264341)	196	Shahbaz Sherif Roundabout 2	33.6264341	73.0753833
POINT (72.8133894 33.712572)	197	Taxila By Pass	33.712572	72.8133894
POINT (72.818391 33.7459139)	198	Museum Chowk	33.7459139	72.818391
POINT (72.8183495 33.7390855)	199	Railway Station Road	33.7390855	72.8183495
POINT (72.7991085 33.7369153)	200	Taxila Chowk	33.7369153	72.7991085

POINT (73.6019217 33.7314271)	67	Azad Patan Bridge	33.7314271	73.6019217
POINT (73.5606191 33.5774102)	68	Beur Chowk	33.5774102	73.5606191
POINT (73.42473 33.6967191)	69	Lehtarar Chowk	33.6967191	73.42473
POINT (73.3845903 33.5890701)	70	Kidney Centre Chowk Kahuta	33.5890701	73.3845903
POINT (73.3374708 33.5981238)	71	Bawli Stop	33.5981238	73.3374708
POINT (73.3784651 33.4146446)	72	Gujar Khan Chowk Main Bazar Kallar	33.4146446	73.3784651
POINT (73.3929708 33.4222532)	73	Allied Chowk Doberan Kashmir Road Kallar Sydan	33.4222532	73.3929708
POINT (73.3879134 33.4125416)	74	Mureed Chowk Kallar Sydan	33.4125416	73.3879134
POINT (73.2339615 33.3828962)	75	Bahria Foundaion School	33.3828962	73.2339615
POINT (73.2426869 33.3572837)	76	Chakwal Mor	33.3572837	73.2426869
POINT (73.0764123 33.5678914)	77	Ayub Park	33.5678914	73.0764123
POINT (73.078128 33.5653883)	78	New Lalazar Road	33.5653883	73.078128
POINT (73.0934012 33.5570622)	79	Foji Foundation Hospittal	33.5570622	73.0934012
POINT (73.0619947 33.5584043)	80	Khawaja Corperation	33.5584043	73.0619947
POINT (73.0572677 33.5575202)	81	Babul Hawaii	33.5575202	73.0572677
POINT (73.0646961 33.5574912)	82	Caltex Road	33.5574912	73.0646961
POINT (73.0663744 33.5693737)	83	502 Work Shop	33.5693737	73.0663744
POINT (73.4192603 33.9147732)	84	Ghika Gali Chowk	33.9147732	73.4192603
POINT (73.4014779 33.9070388)	85	View Fort Chowk	33.9070388	73.4014779
POINT (73.4011971 33.9099184)	86	Kashmir Point	33.9099184	73.4011971
POINT (73.3995117 33.9040449)	87	Mit Road	33.9040449	73.3995117
POINT (73.4106115 33.8938261)	88	Masyari Market	33.8938261	73.4106115
POINT (73.3996464 33.9208363)	89	Kuldanna Chowk	33.9208363	73.3996464
POINT (72.979841 33.6021607)	90	Bhata Chowk	33.6021607	72.979841
POINT (72.9774257 33.5842903)	91	Imtiaz Market	33.5842903	72.9774257
POINT (72.9754139 33.5790395)	92	Lakhuroad	33.5790395	72.9754139
POINT (72.9695363 33.5776375)	93	Girja Chowk	33.5776375	72.9695363
POINT (72.9994935 33.6007283)	94	Misrial Chowk	33.6007283	72.9994935
POINT (73.001394 33.6119942)	95	Siham Chowk	33.6119942	73.001394
POINT (72.9965757 33.6136635)	96	Kainat Travel	33.6136635	72.9965757
POINT (72.9882928 33.6164039)	97	Underpass Qasimabad	33.6164039	72.9882928
POINT (72.9752174 33.6226147)	98	Chistianbad Stop	33.6226147	72.9752174
POINT (72.9913472 33.6016147)	99	Misriyal Road	33.6016147	72.9913472
POINT (72.9544798 33.6239729)	100	26 No. Stop	33.6239729	72.9544798
POINT (72.8791782 33.5784156)	101	Motorway M-2 Toll Plaza Exit	33.5784156	72.8791782
POINT (72.8789154 33.5784787)	102	Motorway M-2 Toll Plaza Entrance	33.5784787	72.8789154
POINT (73.0768926 33.641758)	103	6Th Road Chowk	33.641758	73.0768926
POINT (73.0851062 33.6626398)	104	Isi Turn	33.6626398	73.0851062
POINT (73.0743575 33.6360339)	105	Metro Station Rehmana Bad	33.6360339	73.0743575
POINT (73.0680074 33.6393455)	106	Imam Bargah	33.6393455	73.0680074
POINT (73.0679115 33.6379641)	107	Police Station Newtown	33.6379641	73.0679115
POINT (73.0700741 33.6378091)	108	Bin Charagh Mall Chowk	33.6378091	73.0700741
POINT (73.0697493 33.6547898)	109	9Th Avenue Turn	33.6547898	73.0697493
POINT (73.0758574 33.6503437)	110	Pindi Cricket Stadium	33.6503437	73.0758574
POINT (73.0839403 33.6630845)	111	Faizabad Stop	33.6630845	73.0839403
POINT (73.0828871 33.6614487)	112	Daewoo Terminal	33.6614487	73.0828871
POINT (73.0846325 33.6607059)	113	Ch Nisar House	33.6607059	73.0846325
POINT (73.0647115 33.6522345)	114	Said Pur Road Turn	33.6522345	73.0647115
POINT (73.0547499 33.6469797)	115	Katarian Turn	33.6469797	73.0547499
POINT (73.456839 33.8749651)	116	Sarasi Chowk	33.8749651	73.456839
POINT (73.4297013 33.8731338)	117	Danna Chowk Express Way	33.8731338	73.4297013
POINT (73.455702 33.8756123)	118	Charyan Chowk	33.8756123	73.455702
POINT (73.4620809 33.8697165)	119	Bun Chowk	33.8697165	73.4620809
POINT (73.4826918 33.863905)	120	Dheerkot Road Chowk	33.863905	73.4826918
POINT (73.4767946 33.9488906)	121	Aliot Market	33.9488906	73.4767946
POINT (73.497321 33.9822845)	122	Phagwari Bazar	33.9822845	73.497321
POINT (73.4473897 33.9352926)	123	Muree Kashmiri Bazar	33.9352926	73.4473897
POINT (73.4337028 33.8962988)	124	Kohala Road Muzafrabad Road	33.8962988	73.4337028
POINT (73.0399392 33.6304373)	125	Bus Stop Pirwadhai	33.6304373	73.0399392
POINT (73.0437349 33.6407063)	126	Cda Chowk	33.6407063	73.0437349
POINT (73.0493371 33.63288)	127	Dho Office	33.63288	73.0493371
POINT (73.0524742 33.6380393)	128	Dhoke Najuu Pul	33.6380393	73.0524742
POINT (73.0428243 33.6376478)	129	Masjid Hanfia	33.6376478	73.0428243
POINT (73.0431287 33.6279335)	130	Loharan Bazar	33.6279335	73.0431287
POINT (73.0334386 33.6353808)	131	Mandi Mor	33.6353808	73.0334386
POINT (73.0399822 33.6290331)	132	Awan Chowk	33.6290331	73.0399822
POINT (73.0290517 33.6327376)	133	Foji Colony	33.6327376	73.0290517

WKT	Sr. No.	Name	Latitude	Longitude
POINT (73.0983335 33.5813557)	1	Jan Shadi Hall	33.5813557	73.0983335
POINT (73.105372 33.5734351)	2	Car Chowk	33.5734351	73.105372
POINT (73.0802698 33.5912881)	3	Ammar Chowk	33.5912881	73.0802698
POINT (73.0843357 33.6061878)	4	Fauji Tower	33.6061878	73.0843357
POINT (73.1183645 33.6199218)	5	Fazaia Colony Chowk	33.6199218	73.1183645
POINT (73.1114312 33.6293694)	6	Khana Road	33.6293694	73.1114312
POINT (73.1289354 33.6023121)	7	Airport Road	33.6023121	73.1289354
POINT (73.0526265 33.6237692)	8	Chungi No 4	33.6237692	73.0526265
POINT (73.0585927 33.6359612)	9	Pakistan Askari Sachool And College	33.6359612	73.0585927
POINT (73.0543986 33.6262308)	10	Zacha Bacha Hospital	33.6262308	73.0543986
POINT (73.0618136 33.6280019)	11	Asghar Mal Chowk	33.6280019	73.0618136
POINT (73.06237 33.6338659)	12	Kalli Tanki Chowk	33.6338659	73.06237
POINT (73.0684669 33.6253064)	13	Jewelery Market	33.6253064	73.0684669
POINT (73.0666216 33.6221796)	14	Kohati Bazar Muree Road	33.6221796	73.0666216
POINT (73.0569291 33.6169924)	15	Qainchi Wala Bazar	33.6169924	73.0569291
POINT (73.0598226 33.6174307)	16	Sarafa Bazar Point 4	33.6174307	73.0598226
POINT (73.0549244 33.593945)	17	Singapore Plaza	33.593945	73.0549244
POINT (73.0477167 33.6004714)	18	Station Mor Chowk	33.6004714	73.0477167
POINT (73.055781 33.598659)	19	Kamran Market Chowk	33.598659	73.055781
POINT (73.050133 33.5943932)	20	Mall Plaza	33.5943932	73.050133
POINT (73.0450443 33.5980496)	21	Odion Complex	33.5980496	73.0450443
POINT (73.053011 33.5993452)	22	Hathi Chowk	33.5993452	73.053011
POINT (72.8006596 33.24417)	23	Meyal Chowk	33.24417	72.8006596
POINT (72.9234021 33.3027516)	24	Jorian Chowk	33.3027516	72.9234021
POINT (72.8753448 33.4041202)	25	Ladian Chowk	33.4041202	72.8753448
POINT (72.9154593 33.2071665)	26	Ranoutra Chowk	33.2071665	72.9154593
POINT (73.0546312 33.609773)	27	City Sadar Road	33.609773	73.0546312
POINT (73.05422 33.602962)	28	Pohri Pull	33.602962	73.05422
POINT (73.0655272 33.6066056)	29	Near Liaqat Bagh	33.6066056	73.0655272
POINT (73.067501 33.5881096)	30	Police Lines Mt Gate	33.5881096	73.067501
POINT (73.0654518 33.5903416)	31	Cpo House Chowk	33.5903416	73.0654518
POINT (73.0656717 33.5848695)	32	Katchehri Chowk	33.5848695	73.0656717
POINT (73.0592076 33.5909266)	33	5 Sarki Chowk	33.5909266	73.0592076
POINT (73.0951056 33.5693959)	34	Line No 3 Gulstan Colony	33.5693959	73.0951056
POINT (73.0723196 33.5837114)	35	Jinnah Park Katchehry Gate Both Enterance	33.5837114	73.0723196
POINT (73.0657883 33.564384)	36	Lalazar Turn Adyala Road	33.564384	73.0657883
POINT (73.0572863 33.5825582)	37	Bank Chowk Lalkurti	33.5825582	73.0572863
POINT (73.0263171 33.5645954)	38	Biscuit Factory Chock	33.5645954	73.0263171
POINT (73.0134518 33.5583905)	39	Banni Stop	33.5583905	73.0134518
POINT (73.0065548 33.5503087)	40	Shahkaf Pul	33.5503087	73.0065548
POINT (72.9789348 33.5374377)	41	Ranyal Chowk	33.5374377	72.9789348
POINT (72.9989764 33.5437137)	42	Chakri Road Exchange	33.5437137	72.9989764
POINT (73.014995 33.5748312)	43	Pso Pump Girja Road	33.5748312	73.014995
POINT (73.0028364 33.5680088)	44	Malik Colony Stop Muhram Jaloos	33.5680088	73.0028364
POINT (73.0553928 33.6129252)	45	Fawara Chowk	33.6129252	73.0553928
POINT (73.0542327 33.6165591)	46	Dingi Khoi Chowk	33.6165591	73.0542327
POINT (73.0544746 33.6200041)	47	Bagh Sardaran Road	33.6200041	73.0544746
POINT (73.3096246 33.2567833)	48	Railway Chowk	33.2567833	73.3096246
POINT (73.3723445 33.2997026)	49	Noor Ali Chowk	33.2997026	73.3723445
POINT (73.3811148 33.3095941)	50	Habbib ChowkÅ	33.3095941	73.3811148
POINT (73.4494391 33.340187)	51	Bewal Chowk	33.340187	73.4494391
POINT (73.4262263 33.3350568)	52	Morah Kanyal Chowk	33.3350568	73.4262263
POINT (73.2921774 33.2703922)	53	Sarwer Shaheed College Road	33.2703922	73.2921774
POINT (73.3944263 33.2986141)	54	Qaaziya Chowk	33.2986141	73.3944263
POINT (73.3600888 33.2896347)	55	Bhddana Chowk	33.2896347	73.3600888
POINT (73.3851002 33.2621562)	56	Kaul Chowk	33.2621562	73.3851002
POINT (73.3129291 33.2478651)	57	Hayat Sir Road Chowk	33.2478651	73.3129291
POINT (73.3009283 33.2517462)	58	Sukho Road	33.2517462	73.3009283
POINT (73.1204676 33.225741)	59	Dultala Mor	33.225741	73.1204676
POINT (73.001811 33.1090283)	60	Tarkowal Chowk	33.1090283	73.001811
POINT (73.2664274 33.165835)	61	Chakri Wakelan Chowk	33.165835	73.2664274
POINT (73.1738919 33.20089)	62	Lodain Chowk	33.20089	73.1738919
POINT (73.0990768 33.2035624)	63	Davi Data Road	33.2035624	73.0990768
POINT (73.1393562 33.2206493)	64	Dokhua Chowk	33.2206493	73.1393562
POINT (73.3908327 33.5938439)	65	Panjar Chowk Kahuta City	33.5938439	73.3908327
POINT (73.2835722 33.5748459)	66	Aarhi Sydan	33.5748459	73.2835722

POINT (72.86364654 33.55577949)	268	Lahore Board Turn	33.55577949	72.86364654
POINT (72.86614734 33.55509884)	269	Underpass	33.55509884	72.86614734
POINT (72.89227729 33.53827642)	270	Thaliyan Turn	33.53827642	72.89227729
POINT (72.89702316 33.53383056)	271	Thaliyan Toll Plaza	33.53383056	72.89702316
POINT (72.9017189 33.53568049)	272	Toll Plaza	33.53568049	72.9017189
POINT (72.84157503 33.55513976)	273	Round About 1	33.55513976	72.84157503
POINT (72.83932734 33.55545717)	274	Asf Check Post Aghaz Haddod Zila Rwp	33.55545717	72.83932734
POINT (72.84542578 33.55462935)	275	Round About 2	33.55462935	72.84542578
POINT (72.8529896 33.55332397)	276	Round About No 4	33.55332397	72.8529896
POINT (72.85377265 33.55654342)	277	Cargo Pull K Neachy	33.55654342	72.85377265
POINT (72.8664005 33.55535424)	278	Service Road Crossing	33.55535424	72.8664005
POINT (72.8709174 33.55918079)	279	Sajjad Farm Society	33.55918079	72.8709174
POINT (72.86417634 33.5707882)	280	Abadi Area Naz Waqas House	33.5707882	72.86417634
POINT (72.8591996 33.5771596)	281	Pind Ranjha Turn Janib Dhoke Waraich	33.5771596	72.8591996
POINT (72.8610161 33.58505569)	282	Top City 1 Road	33.58505569	72.8610161
POINT (72.86141163 33.58514073)	283	Mumtaz City Underpass	33.58514073	72.86141163
POINT (72.86627284 33.58797867)	284	J7 Icon Opposite	33.58797867	72.86627284
POINT (72.86869698 33.59032751)	285	Turn Janib Peshawar Side	33.59032751	72.86869698
POINT (72.87072564 33.58932838)	286	Turn Janib Airport	33.58932838	72.87072564
POINT (72.87031744 33.59123091)	287	Rawalpindi Isl Turn	33.59123091	72.87031744
POINT (72.87253758 33.59127334)	288	Batha Area	33.59127334	72.87253758
POINT (72.87811254 33.59505311)	289	Ch Wajahad Elahai Adv K Samny	33.59505311	72.87811254
POINT (72.88803574 33.60296452)	290	Eighteen Hotel K Opposite	33.60296452	72.88803574
POINT (72.89143332 33.60440388)	291	Sarhad University Gate	33.60440388	72.89143332
POINT (72.89439212 33.60619832)	292	Old Toll Plaza End Of Distt Rwp	33.60619832	72.89439212
POINT (73.38897945 33.96543132)	293	Barrian	33.96543132	73.38897945
POINT (73.29795845 33.83638353)	294	Trait	33.83638353	73.29795845
POINT (73.04996602 33.59443508)	295	Mall Plaza Chowk	33.59443508	73.04996602
POINT (73.00019573 33.61244584)	296	Siham Bazar	33.61244584	73.00019573
POINT (72.94026622 33.63071883)	297	Moter Way Mor	33.63071883	72.94026622
POINT (72.93507361 33.63340452)	298	26 No Bus Stop	33.63340452	72.93507361
POINT (72.96446617 33.62537544)	299	Nust College	33.62537544	72.96446617
POINT (72.97036138 33.62483435)	300	Golra Mor Turn	33.62483435	72.97036138
POINT (73.05974718 33.60928865)	301	Taj Company	33.60928865	73.05974718
POINT (73.05550934 33.61448727)	302	Nankari Bazar	33.61448727	73.05550934
POINT (72.89240709 33.45258937)	303	Capital Smart City	33.45258937	72.89240709
POINT (72.84798499 33.37861191)	304	Abdullah City	33.37861191	72.84798499
POINT (72.8430076 33.36457196)	305	Blue World City	33.36457196	72.8430076
POINT (72.8694202 33.66855655)	306	Sangjani Tool Plaza	33.66855655	72.8694202

Joint Venture/ Consortium

Following are minimum qualification requirements of JV:

1. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable 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, 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.
2. Any agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the PQ Proposal and shall be attested.
3. There must be at least one locally registered company (Partner) of good repute, with relevant experience and proven track record, in the joint venture.
4. One partner of the participating Joint Venture shall be designated the Lead Partner. If awarded the contract, the Lead Partner would enter into legal agreement with the Client on behalf of the Joint Venture and would receive instructions and incur liabilities.
5. 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.
6. All partners shall be jointly and severally liable for the execution of the Contract in accordance with the agreed terms and conditions. In case of award of Contract, the Contract Agreement shall be signed by the Lead Partner. All the partners shall be jointly and severally liable for the execution of the project in accordance with government rules and regulations.
7. For qualification criteria, the Lead Partner or JV Partner credentials are valid for evaluation.