

**EXPRESSION OF INTEREST &  
PRE-QUALIFICATION DOCUMENT**

**No. 124012023-1**

**FOR**

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**HIRING OF CONSULTANCY FIRM FOR FEASIBILITY STUDY FOR  
THE SMART CITY LAHORE PHASE-I**

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**Punjab Information Technology Board (PITB)  
13<sup>th</sup> Floor, Arfa Software Technology Park (ASTP),  
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### *List of Acronyms*

Term	Definition
PQ	Pre-qualification
LG&CD	Local Government and Community Development Department
PITB	Punjab Information Technology Board
SCL	Smart City Lahore
IOT	Internet of Things
BOQ	Bill of Quantities
RFP	Request for Proposal
IT	Information Technology
AI	Artificial Intelligence
ML	Machine Learning
MOU	Memorandum of Understanding

## **1. General**

PITB intends to invite Prequalification (PQ) proposals from interested applicant(s) for the feasibility study of Smart City Lahore. All well-reputed, registered and established ICT Consulting Firms (including international and JVs) having the requisite technical, financial and managerial capabilities are invited to participate in the PQ process for the above said project through a 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 to conduct feasibility study for Smart City Lahore Phase-I, in addition, to develop a comprehensive implementation strategy, and to shortlist / 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 technical solutions including but not limited to the firm's methodology and technology for developing Smart City solutions and risk mitigation strategies.

### ***2.1 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 EOI-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 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 LG&CD, Government of the Punjab.
- V. "Day" means calendar day.
- VI. "Employer" means Purchaser and/or Client.
- VII. "EOI-PQ Document" means the Expression of Interest and Pre-Qualification Document in consideration.
- VIII. "Firm/Joint Venture": A legal entity formed under the laws of Pakistan to submit a proposal and participate in subsequent tendering processes in response to this EOI-PQ Document. The Joint Venture shall comprise more than one but not more than four companies: at least one of the constituent firms must be registered and operating in Pakistan from last 03 years and shall be referred to hereinafter as the Lead Partner of the Joint Venture.
- IX. "Person" includes an individual, an association of persons, firm, company, corporation, institution and organization, etc.
- X. "Prescribed" means prescribed in the EOI-PQ Document.

## **Disclaimer**

This PQ document for “Project Feasibility, and Implementation Plan for Smart City solutions, under the project titled “Smart City Lahore Phase-I” (‘the Project’) contains brief information about the Project and qualification process for short listing and pre-qualification of applicants for the RFP stage. The purpose of the Document is to provide the applicants with information to assist the formulation of their EOI-PQ proposal and to pre-qualify Interested Consultants for the RFP Stage.

While all efforts have been made to ensure the accuracy of information contained in this EOI-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. The PITB or any of its employees or advisors/consultants, shall incur no liability under any law, statute, rules or regulations as to the accuracy or completeness of the EOI-PQ Document.

PITB reserves the right to change any or all conditions/ information set in this EOI-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 EOI-PQ process does not qualify any applicant for the next stage of the procurement process.

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

## **3. Project Background**

There is no universally accepted definition of a Smart City. It means different things to different people. The conceptualization of Smart City, therefore, varies from city to city and country to country, depending on the level of development, willingness to change and reform, resources and aspirations of the city residents. Smart Cities endeavor to tackle the present and future problems by solving pressing issues while still making sound fiscal decisions. This is sometimes slow but always challenging. However, gradually IOT technology drivers and conditions of necessity within use cases are molding today’s IOT revolution into tomorrow’s norm.

The population of Lahore is rapidly increasing, and as urban cities have a major role in the economic development of any country. Therefore, there is a need to develop smart applications that provide decent quality of life to citizens. The core applications in smart city would include but not limited to:

- ✓ Energy Management, which includes Municipal services but not limited to streetlights.
- ✓ Clean and Adequate Water supply
- ✓ Smart health initiatives
- ✓ Efficient Urban Mobility and Public Transport
- ✓ Robust IT Connectivity and Digitalization

- ✓ Good governance, especially e-Governance and citizen participation,
- ✓ Sustainable Environment
- ✓ Safety and Security of citizens
- ✓ Waste Management

#### **4. Objectives of the Consultancy**

The main objectives of this feasibility are to:

- I. Review the existing public and private infrastructure of stakeholders including but not limited to PITB, Urban Unit, Punjab Safe Cities Authority, and advice on the communication medium of the system and applications, considering sustainability and coverage across Lahore of the Smart City Project. Moreover, chalk out the possibility of utilizing existing infrastructure of stakeholders considering its integration with the proposed system after performing a comprehensive situation analysis/need assessment and gap analysis of the infrastructure.
- II. Review IT applications and systems developed by The Government of Punjab and the private sector to ascertain the possibility of integration with the proposed Smart City Sectors in Table 1. Moreover, suggest mechanism of integration for the systems on a unified platform and also propose system architecture that can be streamlined in the short term and also conduct a detailed gap analysis of the concerned stakeholder's IT systems and propose best fit system integration where possible.
- III. Propose best fit smart city models for Lahore including correct IoT solutions, considering global best practices and accreditation requirements for Smart City Lahore. Furthermore, conduct a site feasibility for the Smart City Command and Control Center, and comprehensively elaborate the planning and designing of the facility. In addition, assist the client in developing the PC-I of Smart City Lahore Phase -1.
- IV. Identify the responsible agencies/departments, review their existing laws and institutional setups, Develop Legal and Institutional Framework for adoption of Smart City System and implementation by concerned departments.

#### **5. Brief scope of work**

The consultancy scope is divided into four major outputs of Consultant's engagement with the Project. These outputs are further segregated into different tasks. Following outputs of consultant are:

Output A: Project Plan and Situation Analysis

Output B: Review of Existing Applications and Systems (Public & Private)

Output C: Propose Smart City Solutions, Planning and Design

Output D: Review of Legal and Institutional arrangements of concerned agencies/departments and propose legal institutional framework for the proposed smart city systems

Outputs are segregated into following tasks:

**Output A: Project Plan and Situation Analysis**

**Task 1:** Work Plan for consultancy

**Task 2:** Develop a comprehensive Situation Analysis of all stakeholders. Identify primary and secondary stakeholders and perform an in depth gap analysis after detailed consultations with stakeholders. Citizen stakeholders must also be surveyed to gauge public expectations.

**Output B: Review of Existing IT Applications and Systems both Public & Private.**

**Task 1:** Identify smart city solutions with capability to enhance various sectors of the quality of life, like safety, transport, environment, health, utilities & mobility etc. (Such as but not limited to; intelligent transport systems, smart bus stands/stations; air quality measurement; smart green areas/belts, smart street furniture, utilities including water, gas & sanitation's digital tracking and management; integrated electricity; energy consumption optimization. Furthermore, incorporating smart-citizens-service apps linking people and government departments, health care big data, integration of patient/hospital records etc.).

**Output C: Propose Smart City Solutions, Planning and Design.**

**Task 1:** Identify the solutions with basic software and hardware requirements of the proposed system with focus on the utilization and integration of existing infrastructure & systems that have already been developed by Government of Punjab and other agencies.

**Task 2:** Planning, Designing and feasibility of Control Room estimates as per the requirements of the systems and give assistance to client for PC-I development of smart city project.

**Output D: Review of Legal and Institutional arrangements of concerned agencies/departments and propose legal institutional framework for the proposed smart city systems**

**Task 1:** Drafting of Legal and institutional Framework governing Smart City Lahore

**Note:**

**The applicants are required to submit their expression of interest (EOI) and propose their own solution based on the information presented in the preceding paragraphs and their experience and international best practices. The applicant may propose additional features based on the understanding and best practices. The applicant**

needs to specify implementation and operational methodology for feasibility study in all respects, and with clear timelines and milestones.

This component of the project entails consultancy work outlined as per the scope of work. In order to avoid conflict of interest, the qualified bidder selected for this assignment as per eligibility criteria and scope of work published in this document, will not be eligible for participation in the development of Smart City component of the project.

## **6. Instructions to applicants**

### ***6.1 Submission of Proposal***

Applications for PQ containing separate Pre-Qualification Proposals, one original and one (01) copy should be submitted in sealed envelopes to be delivered into the Tender Box, placed at reception of PITB, no later than **1200 hours** on last date of submission of proposals i.e. **23<sup>rd</sup> February, 2023**. Late proposals shall not be considered. Proposals shall be publicly opened in the Committee Room of PITB, \*13<sup>th</sup> Floor ASTP, 346-B Ferozpur Road, Lahore on **1230 hours** on **23<sup>rd</sup> February, 2023**. 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.

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.

All documents submitted by the firms 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.

The applicants can seek any clarification regarding the project, pre-qualification documents or evaluation criteria from the following:

#### **Primary Contact**

##### **Danish Ahmed**

Sr. Programme Manager (IT Operations)

Punjab Information Technology Board, Government of Punjab

13<sup>th</sup> Floor Arfa Software Technology Park, 346-B, Ferozpur Road, Lahore.

Email: [danish.ahmad@astp.punjab.gov.pk](mailto:danish.ahmad@astp.punjab.gov.pk)

Office Phone: 042-99000000 (Ext.: 1326)

#### **Secondary Contact**

##### **M. Jahanzaib Khan**

Joint Director (e-Procurement)

Punjab Information Technology Board, Government of Punjab

13<sup>th</sup> Floor Arfa Software Technology Park, 346-B, Ferozpur Road, Lahore.

Email: [jahanzaib.khan@pitb.gov.pk](mailto:jahanzaib.khan@pitb.gov.pk)

Office Phone: 042-99000000 (Ext.: 1391)



Interested Parties 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 Parties may alternatively direct their enquiries through the Secondary Contact.

Interested Parties/ 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.

The Employer will not be responsible for any costs or expenses incurred by Interested Parties in connection with the preparation or delivery of proposals.

## **6.2 Joint Venture (JV)**

### **6.2.1 Following are minimum qualification requirements of JV:**

- i. Only well-established local firms (having international presence / JV with international firm) or international/foreign firms (having local presence/JV with local firm) with consulting practices in multiple countries and with governments, on assignments similar to the scope of work in this document, will be considered. Therefore, international/foreign firms are required to form Joint Ventures with the appropriate local firms. In case of a proposal from a Joint Venture, a legally valid and registered Agreement Deed to that effect, signed by all the partners to the Joint Venture shall be submitted with the proposal.
- ii. One of the local partners of the participating Joint Venture shall be designated the Lead Partner. If awarded the contract, the Lead Partner on behalf of the Joint Venture would receive instructions and incur liabilities.
- iii. 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 all partners of JV. All the partners shall be jointly and severally liable for the execution of the project in accordance government rules and regulations.

### **6.2.2 The pre-qualification of a JV does not necessarily prequalify any of its partners individually.**

## **6.3 Qualification Criteria**

### **6.3.1 General**

The Prequalification 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.

### **6.3.2 Mandatory Basic Requirements**

Only those consultancy firms fulfilling the following basic requirements shall be considered for further evaluation (relevant documents to be attached):

#### **1. Requirements to be Fulfilled by the Applicant/Lead Partner**

- i. Only well-established local firms (having international presence / JV with international firm) or international/foreign firms (having local presence/JV with local firm) with consulting practices in multiple countries and with governments, on assignments similar to the scope of work in this document, will be considered.
- ii. Minimum three (03) years of Certificate of Company/Firm Registration/Incorporation under applicable laws.
- iii. Valid Tax(es) Registration as applicable and relevant.
- iv. Submission of undertaking that the firm is not blacklisted by any provincial or federal government department, agency, organization or autonomous body within Pakistan or anywhere in the world.
- v. In case of a proposal from a Joint Venture, a legally valid and registered Agreement Deed to that effect, signed by all the partners to the Joint Venture shall be submitted with the proposal. However, if awarded the contract a formal registration of Joint Venture would be required.

#### **2. Requirements to be fulfilled by Other JV Partners (If any)**

- i. Certificate of Company/Firm Registration/Incorporation under applicable laws.
- ii. Valid Tax(es) Registration as applicable and relevant.
- iii. Submission of undertaking that the firm is not blacklisted by any provincial or federal government department, agency, organization or autonomous body within Pakistan or anywhere in the world.

#### **3. Requirements to be fulfilled by Applicant/ JV Partners**

The Applicant must have relevant experience for implementation of the similar project(s). In case of a JV, this requirement may be fulfilled by any one of the JV partners.

### 6.3.3 Weightage /Marks

Distribution of Weightage/Marks shall be as under:

Sr. No.	Category	Weightage/Marks
1.	Experience	40
2.	Personnel Capabilities	40
3.	Financial Strength	20
<b>Total:</b>		<b>100</b>

**Note:** To qualify for Request for Proposal (RFP), the firm must obtain overall **65 marks** out of a possible 100 marks.

The applicants who have duly complied with the pre-qualification criteria will be eligible for further processing.

The proposals which do not conform to the pre-qualification criteria will be rejected.

Detailed Prequalification criteria is given below:

Sr. No	Evaluation Factor	Evaluation Aspects			Marks	Max Marks
1	<b><u>Technical Capabilities</u></b> <ul style="list-style-type: none"> <li>Firm Registration &amp; Licenses</li> <li>Complete Technical Profile with Clientele</li> <li>Verifiable experience documents (past contracts)</li> </ul>	<b><u>Similar Experience</u></b> Experience of 2 consulting projects of similar nature and comparable scope anywhere in the World in last 07 years' immediate proceedings the date of Publication of EOI, as mentioned under clause-4 (Brief scope of work)			<b>34 marks</b> <b>17 marks</b> for each project	40 marks
		Additional consultancy projects with similar nature			<b>6 Marks</b>	
2	<b><u>Personnel Capabilities:</u></b> <ul style="list-style-type: none"> <li>CVs of proposed resources, Key</li> </ul>	Sr. #	Expert Description	Minimum Qualification	No of Positions	40 marks
		1	Team Leader	<b>Qualification:</b> Minimum qualification 16 Years of education in Computer Science/Software Engineering/IT/Engineering/Managem	1	

	Personnel and Consultant • Firm's organogram		<p>ent or related discipline from an HEC recognized local or foreign Institution.  <b>Experience:</b> 15 Years' experience of IT systems and infrastructure development /Systems Integration Minimum 5 Years of Project Management /Implementation experience in the IT sector preferably with expertise of Smart City related solutions.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• Experience of managing public sector projects will be an added advantage</li> <li>• Must have extensive expertise in scoping, designing, developing, deploying, and supporting enterprise scale business applications.</li> <li>• Must understand Punjab Government's context, a dynamic visionary with the understanding of smart solutions and exemplary management skills etc.</li> <li>• International smart city/IoT based projects experience</li> </ul>		for each resource except Electrical Engineer)  1 Mark for Electrical Engineer	
		2	<b>IOT Expert</b>  <b>Qualification:</b> 16 Years of education in Computer Science/Software Engineering/IT/Engineering or related discipline from an HEC recognized foreign Institution  <b>Experience:</b> 5 Years' experience in developing IoT Architecture, In-depth understanding of computer programming and network security, custom-build firmware and hardware. Minimum 3 Years of Working Experience with IoT software like Netbeast, Neura, OpenSensors, Node, Big Data, machine learning algorithms and experience with custom- build firmware and hardware  Exposure in the following is expected: <ul style="list-style-type: none"> <li>• In-depth understanding of computer programming and network security</li> <li>• Proficient knowledge of sensors</li> <li>• Knowledge of machine learning and AI</li> <li>• Knowledge of software like Netbeast, Neura, OpenSensors and Node</li> <li>• Expert knowledge of Linux OS</li> <li>• Well-versed with multiple programming languages such as</li> </ul>	1		

			<p>Embedded-C, Embedded C++, Java and Python</p> <ul style="list-style-type: none"> <li>● Knowledge of device and data security</li> <li>● International smart city/IoT based projects experience</li> </ul>		
		3	<p><b>Radio Frequency (RF) Expert</b></p> <p><b>Qualification:</b> 16 Years of education in Telecommunication/Electrical Engineering or related discipline from an HEC recognized local or foreign Institution</p> <p>Experience: 5 Years' experience in RF field, sound expertise to Perform, characterize, quantify and optimize electrical and RF frequency performance of wireless systems and components</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>● Shall have the capability to Perform characterize, quantify and optimize electrical and RF frequency performance of wireless systems and components</li> <li>● Have expertise in designing and enforce RF circuits, filters, power amplifiers and lumped element matching Circuits.</li> </ul>	1	
		4	<p><b>Artificial Intelligence /Machine Learning Expert</b></p> <p><b>Qualification:</b> 16 Years of Education in Computer Science/ Computer Engineering/ IT/Engineering or related field from a reputed recognized local or foreign Institution. Master degree is a plus.</p> <p><b>Experience:</b> 5 Years of relevant experience in software development, expertise in Python and basic libraries for machine learning, visualizing and manipulating big datasets. Minimum 3 years of experience in hardware to run an ML model</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>● Must have the knowledge of ML, deep learning, Python, NLP</li> <li>● Knowledge of basic algorithms, object-oriented and functional design principles, and best practice patterns</li> <li>● International smart city/IoT based projects experience</li> </ul>	1	
		5	<p><b>Database System Integration Expert</b></p> <p><b>Qualification:</b> 16 Years of education in Computer Science/IT/Software Engineering/Computer Engineering or</p>	1	

			<p>related discipline from an HEC recognized local or foreign Institution</p> <p><b>Experience:</b> 5 Years working experience of hardware and software troubleshooting, Familiarity with TCP/IP protocols, firewall management, database administration and working technical experience with relational database servers, exposure to smart solutions in a city wide context.</p> <ul style="list-style-type: none"> <li>• Minimum 2 years of experience of SQL and MySQL, understanding of code and script (PHP, Python, Perl, Node, Powershell and/or Ruby MongoDB, and other Big Data languages).</li> </ul> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• Excellent knowledge of data backup, recovery, security, integrity and SQL</li> <li>• Familiarity with database design, documentation and coding</li> <li>• Familiarity with programming languages &amp; API's</li> <li>• International smart city/IoT based projects experience</li> </ul>			
		6	<p><b>Institutional/Legal Expert</b></p> <p><b>Qualification:</b> 16 years of education in Law/ Policy studies/ Public Administration Related discipline from an HEC recognized local or foreign Institution</p> <p><b>Experience:</b> Minimum 10 years' experience in the field of Law /Policy Studies/Public Administration with 5 Years' experience in institutional analysis with regard to legal aspects, technically sound in legal matters and should have in depth knowledge of the municipal laws, international agreements, environment and Policy guidelines and Institutional factors.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• Review current laws, policies, rules of business etc. relevant to implementation of Smart City across the world</li> <li>• Review international legal practices and frameworks governing Smart Cities anywhere in the world</li> <li>• Developing legal framework relevant to smart city anywhere in the world</li> </ul>	1		

			<ul style="list-style-type: none"> <li>Developing institutional framework that enables effective and communicative administration.</li> </ul>				
		7	<b>Economist/ Financial Expert</b>	<b>Qualification:</b> 16 years of education in Economics/Finance or related discipline from an HEC recognized local or foreign Institution <b>Experience:</b> 10 Years' experience of in Developing economic/financial models, generate reports of economic outlook, Design advanced analysis of projects, evaluate other work using best practices.  Exposure in the following is expected: <ul style="list-style-type: none"> <li>Preparing financial plans and developing financial models.</li> <li>Evaluating cost structures and revenue streams.</li> <li>Researching and analyzing business trends and preparing financial forecasts.</li> </ul>	1		
		8	<b>Civil Engineering Expert (Design Expert)</b>	<b>Qualification:</b> 16 Years of education in Civil Engineering or related discipline from an HEC recognized local or foreign institution. Registered Engineer with PEC <b>Experience:</b> 5 Years' experience in developing detailed designs of IT related control rooms, doing feasibility assessment and site inspections, well aware of Punjab government regulations and ordinances related to construction.  Exposure in the following is expected: <ul style="list-style-type: none"> <li>Knowledge of building legislation in Punjab</li> <li>Should have a knowledge to Manage, design, develop, create and maintain small-scale to large-scale IT Control rooms</li> <li>Must Carry out technical and feasibility studies and draw up blueprints that satisfy technical specifications any of the IT related Project</li> </ul>	1		

		9	<b>Environmental Expert</b>	<p><b>Qualification:</b> 16 Years of education (Masters) in Environmental Sciences or related discipline from an HEC recognized local or foreign Institution.</p> <p><b>Experience:</b> Minimum 10 years' experience in the field of environmental sustainability, with exposure to smart city solutions and IT based interventions to improve environmental conditions.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• Have a sound understanding of smart cities and smart climate initiatives,</li> <li>• Must know about the environmental impact of the Smart City Lahore Project</li> <li>• Designing a project to comply with environmental and health regulations anywhere in the world.</li> </ul>	1		
		10	<b>Urban Planning Expert</b>	<p><b>Qualification:</b> Masters in Urban Planning (16 years of education) or Related discipline from an HEC recognized local or foreign Institution.</p> <p><b>Experience:</b> Minimum 10 years of proven experience in the field of Urban planning and development of cities, preferably in implementation of smart city initiatives and IoT based city wide projects.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• How to prepare plans and studies required for implementing Smart Initiatives</li> <li>• Assist in designing feasibility of smart city initiatives anywhere in the world</li> </ul>	1		
		11	<b>Electrical Engineering Expert</b>	<p><b>Qualification:</b> 16 Years of education in Electrical Engineering or Related discipline from an HEC recognized local or foreign Institution.</p> <p><b>Experience:</b> Minimum 10 years' experience in the field design, develop, and test electrical devices and equipment, including communications systems, power generators, motors, sensors, and navigation systems, and electrical systems for smart initiatives.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>• Designing electrical systems or their components.</li> </ul>	2		



			<ul style="list-style-type: none"> <li>Diagnosing and solving electrical problems with products or systems.</li> <li>Installing, servicing, calibrating and updating electrical systems.</li> </ul>				
		12	<b>Traffic Engineering Expert</b>	<p><b>Qualification:</b> 16 Years of education in Traffic Engineering or Related discipline from an HEC recognized local or foreign Institution.</p> <p><b>Experience:</b> Minimum 10 years' experience in the field of Plan and design transport improvements including junctions, parking, traffic control systems and public transport systems that incorporate smart city interventions.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>Simulating transport problems using computer models, and working out solutions</li> <li>Analyzing and interpreting data gathered from transport studies</li> <li>Forecasting the impact of new developments</li> <li>Looking at schemes to manage traffic</li> <li>Studying accident 'black spots' to design road safety improvements</li> </ul>	1		
		13	<b>Public Health Administration Expert</b>	<p><b>Qualification:</b> Masters in Public Health Administration (16 years of education) or related discipline from an HEC recognized local or foreign Institution.</p> <p><b>Experience:</b> Minimum 10 years' experience in the field of hospital administration, deployment of medical technology at hospitals, upgradation of health services etc.</p> <p>Exposure in the following is expected:</p> <ul style="list-style-type: none"> <li>Knowledge to develop framework of macro level data necessary to collect for efficient and effective administration of public healthcare services</li> <li>Knowledge to coordinate and engage with public health administrators and stakeholders for needs assessment and systems analysis</li> <li>Any Engagement with public and private hospitals for data integration advocacy and feasibility</li> </ul>	1		

		<b><u>Consultants with international experience:</u></b> Consultants from above list having minimum 3 years of international experience of smart city projects and consultancies.	<b>15 marks max</b> <b>5 Marks</b> for each consultant	
3	<b><u>Financial Capacity:</u></b> Audit/Financial Reports of last 3 years (conducted by certified CA firm of the respective country)	Average annual turnover of the firm of last three years	<b>10 marks</b> =PKR 100 Million –150 Million <b>15 marks</b> = PKR 151 Million – 200 Million <b>20 marks</b> = PKR 200 Million +	20 marks

### Qualification Marks

To qualify for Request for Proposal (RFP), the firm must attain a minimum of **65 marks** out of a possible 100 marks.

The applicants who have duly complied with the pre-qualification Criteria will be eligible for further processing.

The proposals which do not conform to the pre-qualification criteria will be rejected.

## 7. Other Factors

7.1 Only firms and JVs that have been prequalified under this procedure shall be invited to bid. A firm can apply for pre-qualification either individually or as a part of only one JV. If a firm submits more than one PQ proposals, all proposals involving such firm (individually or as JV) shall be rejected and stands disqualified.

7.2 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).

7.3 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, or partner responsible for a joint venture 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 EOI-PQ information provided, the undersigned hereby applies to be pre-qualified for the Feasibility Study for The Smart City Lahore Phase-I.
  
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 firms);
  
2. 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.

3. 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

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.

**Applicants who are not joint ventures should delete para 6 and initial the deletions.**

6. We confirm that in the event that we bid, that bid as well as any resulting contract will be:

(a) entered into and signed by the same JV which is submitting this proposal.

(b) signed so as to legally bind all partners, jointly and severally to execute contract; and

(c) submitted with a Joint Venture agreement to bind all the partners to take liabilities in the event the contract is awarded to us

7. The undersigned declare that the statements made and the information provided in the proposal are complete, true, and correct in every detail.

---

Signature of the Applicant

## Application Form A-1

### General Information

All individual firms and each partner of a Joint Venture applying for pre-qualification are requested to complete the information in this form. Nationality information is also to be provided for foreign owners or applicants who are forming part of the Joint Ventures.

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

**Application Form A-2**

**General Experience**

Name of Applicant or Partner of a joint venture

All individual firms and all partners of a joint venture are requested to complete the information in this form.

**JVs Lead Partner**

<b>Starting Month Year</b>	<b>Ending Month Year</b>	<b>Year</b>	<b>Contract Name, Name &amp; Address of Employer Brief Description of Works Executed</b>	<b>Role of Applicant</b>

**Partner No. 2**

<b>Starting Month Year</b>	<b>Ending Month Year</b>	<b>Year</b>	<b>Contract Name, Name &amp; Address of Employer Brief Description of Works Executed</b>	<b>Role of Applicant</b>

**Partner No. 3**

<b>Starting Month Year</b>	<b>Ending Month Year</b>	<b>Year</b>	<b>Contract Name, Name &amp; Address of Employer Brief Description of Works Executed</b>	<b>Role of Applicant</b>

**Partner No. 4**

<b>Starting Month Year</b>	<b>Ending Month Year</b>	<b>Year</b>	<b>Contract Name, Name &amp; Address of Employer Brief Description of Works Executed</b>	<b>Role of Applicant</b>



## Application Form A-3

### Similar Experience

Name of Applicant or partner of a joint venture
---

On a separate page, using the format of Application Form A-4, each applicant or partner of a Joint Venture 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 seven years. The information is to be summarized, using Application Form A-4, for each contract completed or under execution by the applicant or JV partners.

## Application Form A-4

### Contracts of Similar Nature and Complexity

Name of Applicant or partner of a joint venture
---

Use a separate sheet for each contract.

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 Consultant (b) Sub- Consultant (c) Partner in a Joint Venture
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
11	Specified Requirements ----- ----- ----- -----

## Application Form A-5

### Personnel Capabilities

Name of Applicant
-------------------

For specific positions essential to contract execution, Applicants should provide the names of candidates qualified to meet the specified requirements. The data on their experience should be supplied on separate sheets of CV's.

1	Title of Position
	Name of Prime Candidate
	Certification

## Application Form A-6

### Financial Strength

Name of Applicant or Lead Partner of a Joint Venture
--

Applicants, including Lead Partner of a joint venture, 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 firms and Lead Partner of JV 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 years, based upon known commitments, projected assets and liabilities in Pak Rupees.

Financial information in Pak Rupees	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			

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

## *Joint Venture Summary*

<b>Names of all Partners of a Joint Venture</b>
1. Lead Partner
2. Partner
3. Partner
4. Partner