

## **EXPRESSION OF INTEREST**

### **HIRING OF SHORT TERM FIRM CONSULTANCY**

Punjab Safe Cities Authority (PSCA) invites applications from qualified and experienced consultancy firm for the following area on short- term consultancy basis:

<b>Sr.</b>	<b>Qualification</b>	<b>Experience</b>
1.	<ul style="list-style-type: none"><li>• 5 years of Relevant Experience of software development</li><li>• Must hold NTN &amp; PST</li></ul>	<ul style="list-style-type: none"><li>• Completion of 10 projects of similar nature of Consultancy</li></ul>

Interested firms may submit their application(s) along with the firm profile, including experience(s) etc. along with Financial Proposal latest by 06-12-2022 till 12:00 hours, through email, courier or by hand. The said firm will be selected in accordance with the rule 46A of Punjab Procurement Rules 2014 (amended) for short term consultancy. The detailed ToRs are attached.

For submission of applications or obtaining any information, please feel free to contact at [procurement@psca.gop.pk](mailto:procurement@psca.gop.pk), Contact: (+92)(42)(99051605-7) Website: [www.pasca.gop](http://www.pasca.gop).

Mention the Name of the Consultancy in subject line/on outer Envelope. The application(s) will not be considered otherwise.

**CHIEF LAW & PROCUREMENT OFFICER**  
**Punjab Safe Cities Authority,**  
**PPIC3 Center, Qurban Police Lines, Lahore**

**Annex-A**

**TERMS OF REFERENCE**

**1. BACKGROUND**

The Punjab Safe Cities Authority (PSCA), established under Punjab Safe Cities Act 2016, ensures establishment, development and maintenance of an integrated Command, Control, and Communication system (PPIC3) for Police in major cities of the province for public safety. The PSCA is a concept for returning security and quality of life to today's complex cities through the use of technology, infrastructure, personnel and processes. In order to realize the vision of developing safe cities in the province, PPIC3 Centre has been developed for Punjab Police in the city of Lahore and other centers are being established in other larger cities of the province.

**2. OBJECTIVE/PURPOSE OF THE ASSIGNMENT**

PSCA intends to hire Oracle Consultancy Services for database administration and development, which can not only maintain existing Oracle databases, but also migrate existing databases and develop new databases according to requirements of different units. These consultancy services shall be provided as per rule 46A Punjab Procurement Rules 2014 (Amended).

**3. SCOPE OF SERVICE**

The Oracle Consultant firm shall be required to provide the following consultancy services (the **Assignment**);

**3.1 Migration of Existing System**

Firm will be responsible for migrating of following existing databases of PSCA:

- HRMIS
- Inventory System
- Access Control System
- Women Safety Application
- Internal GIS System
- Observation Management System
- EDC System
- Procurement Management System
- Change Request Management System
- Punjab Police Smart Policing System

### **3.2 Development of New Systems**

Firm will be responsible for development of following new databases of PSCA:

- Financial Management System

### **3.3 Maintenance Of Existing Oracle Databases**

Firm will perform maintenance and support services of the following existing Oracle databases of PSCA:

- Computer Aided Dispatch System
- GIS
- Traffic Management System
- E-challan
- FAQ

In addition, Consultant firm will be responsible for the following tasks:

- Prepare and document database design based on requirements by end user.
- Understand client's business processes, suggest improvements wherever possible.
- Implementing the data model required by the application.
- Strong Oracle PL/SQL programming skills developing stores procedures, functions, packages and triggers.
- Strong communication, analysis and problem solving skills.
- Advanced data analysis, validation and processing skills.
- Good skills in database design and development.
- Administer and troubleshoot complex Oracle database systems.
- Expert in High Availability, Real Time Replication and Load Balancing.
- Develop performance metrics or standards related to information technology.
- Perform system design, upgrades, and maintenances according to business needs.
- Develop schemas, tables, triggers, indexes, sequences, constraints, functions and procedures.
- Understand business requirements and accordingly develop database models.
- Solve database usage issues and malfunctions.
- Setting up database user accounts.
- Training users on how to access the information in the database.
- Finding and debugging malfunctioning programs affecting the database integrity.
- Maintain existing Oracle databases.
- Migrating existing Oracle databases.

- Monitoring database performance and tuning SQL queries and identifying and resolving scalability issues.
- Expert in Performance Tuning, Golden Gate administration, Real Application Clusters (RAC) clustering, Automatic Storage Management (ASM), Database & Application Server, Disaster Recovery using Data Guard, Backup and Recovery.
- Creating new applications using required tools and technologies.
- Administer and troubleshoot complex Oracle database systems.
- Maintain existing Oracle databases.
- Ensuring that no unauthorized access to the databases is made by any internal user or externally.
- Create autonomous database backups.
- Any other task assigned by the higher management.

#### **4. TIME PERIOD**

The duration of the engagement of the short consultancy as per rule 46A of Punjab Procurement Rules 2014. If PSCA chooses to cancel the contract during the course of the assignment, a notice period of 15 days shall apply.

#### **5. REPORTING ARRANGEMENT**

The consulting firm shall report to the Chief Operating Officer, PSCA. The focal person for this assignment will be Chief Technology Officer, PSCA.

#### **6. GENERAL CONDITION**

- The assignment activities of the consulting firm will be supervised by the Chief Technology Officer, or any other officer deputed by PSCA.
- All documentation, reports shall be submitted in the English Language.
- All the data, documents and reports produced by the consulting firm for the said services shall be the property of PSCA. The consulting firm shall not share and use these data, document and reports for any other purpose / job without the explicit written approval of Chief Operating Officer, PSCA.
- In case the consulting firm fails to fulfill the contractual obligations and violate the contract agreement, the contract agreement shall be terminated and consulting firm shall not be entitled to make any pending claims.