PUNJAB SAFE CITIES AUTHORITY
PSCA Headquarters, Qurban Lines Lahore, Pakistan.

042-99 05 16 05-8   042-99203026
0800-11-77-22   www.psca.gop.pk

THE FUTURE OF PUNJAB POLICE

EXPRESSION OF INTEREST

HIRING OF INDIVIDUAL SHORT TERM CONSULTANT

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

Sr. No.	Name of Individual Consultancy	Qualification	Experience
01	**Oracle Database Developer (Oracle-Developer)"**	Minimum qualification of sixteen years of education or Master's degree in Computer Science/Computer Engineering/Information Technology or related field from a local or international HEC recognized university.	Six years' experience of working in Oracle database development and programming, in public or private sector, and having expertise in following: • Database design and development • Oracle SQL and Oracle PL/SQL • JAVA • Experience of working with ERP System.

Interested individuals may submit their application along with the copy of CV, educational documents, experience certificates, CNIC, passport size photograph and <u>Financial Proposal</u> latest by 09-11-2022 till 12:00 hours, through email, courier or by hand. Only shortlisted candidates will be called for an interview. The Remuneration will be offered on the basis of qualification and experience. The said Consultant will be selected in accordance with the provisions of Punjab Procurement Rules 2014 for short term consultancy. The detailed ToRs are attached as Annexure.

For submission of applications or obtaining any information, please feel free to contact at cons.services@psca.gop.pk, Contact: (+92) (42) (99051605-7) Website: www.psca.gop.pk

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

**CHIEF LAW & PROCUREMENT OFFICER,
PUNJAB SAFE CITIES AUTHORITY,**
PPIC3 Center, Qurban Police Lines,
Lahore

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TERMS OF REFERENCE
INDIVIDUAL CONSULTANT
"Oracle Database Developer (Oracle-Developer)"

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 Safe City 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

The selected Individual Consultant will provide services for maintaining the existing Oracle databases, migrate existing databases and develop new databases according to requirements of different units. The consultant will have to work with stakeholders throughout the organization in order to identify opportunities and to drive business solutions, thereby bring optimization and improvement in police operational strategies.

3. SCOPE OF SERVICE
- Implementing the data model required by the application.
- Creating schema objects and implementing rules for data integrity.
- Prepare and document database design based on requirements by end user.
- Creating programming environment for a new development project.
- Writing server-side PL/SQL and Java subprograms and client-side procedural code that use SQL statements.
- Creating the application interface with the chosen development tool.
- Establishing a Globalization Support environment for developing globalized applications.

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- Creating new applications.
- Updating existing applications.
- Maintaining existing applications.
- Instantiating applications in different databases for development, testing, education, and deployment in a production environment.
- Write ETL codes, update SQL statements and create shell scripts.
- 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.
- Experience and expertise in working with .Net Framework, JavaScript, HTML and Oracle.
- Monitoring database performance and tuning SQL queries and identifying and resolving scalability issues.
- Any other task assigned by the Higher Management.

4. PROFILE OF CONSULTANT

The Consultant will be assigned from the list of shortlisted consultants fulfilling the minimum qualifications and experience requirements. Minimum of sixteen years of education or Master's degree in Computer Science/Computer Engineering/Information Technology or related field from a local or international HEC recognized university.

Six years' experience of working in Oracle database development and programming, in public or private sector, and having expertise in following:

- Database design and development
- Oracle SQL and Oracle PL/SQL
- JAVA
- Experience of working with ERP System

5. EXPECTED DELIVERABLES

A monthly progress report on Consultants work would be prepared and

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submitted, including tasks listed under "Scope of Services", above.

6. **TIME PERIOD**

    The Consultant will be engaged for the period as decided by the competent authority.

7. **PAYMENT TO THE CONSULTANT**

    The payment to the Consultant will be made on a monthly basis upon submission of claim based on the services/ deliverables by the end of each month.