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

042-99 05 16 05-8   042-99203026
042-111-11-77-22   www.psca.gop.pk

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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	Individual Consultant (Software Engineer)	4 Years BS (Hons.) degree in Computer Sciences/ Software Engineering/ IT from a reputed HEC recognized university.	Proven work experience in Software development industry. At least 6 years' experience in Software Engineering including documentation, Software Testing and Quality Assurance in Software Development industry. Strong knowledge of Software Engineering, Documentation, QA Methodologies, Tools, and Processes. Good Knowledge of SDLC & STLC. Experience in writing clear, concise and comprehensive SRS documents, test plans, and test cases. Experience working in an Agile/Scrum development process will be a plus. Experience of different automation testing tools will be a plus.

Interested individuals may submit their application along with the copy of CV, educational documents, experience certificate, CNIC and passport size photograph latest by 09-09-2021 till 14:00 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.

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

TERMS OF REFERENCE
"INDIVIDUAL CONSULTANT (Software Engineer)"

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 pertaining to Software Engineering, Documentation, Application Manuals and SQA.

3. SCOPE OF SERVICE

- Analyze user requirements.
- Research, design and document (e.g. business applications).
- Evaluate the software and systems that make computers and hardware work.
- Create technical specifications
- Write systems to control the scheduling of jobs or to control the access allowed to users or remote systems
- Write operational documentation with technical authors
- Maintain systems by monitoring and correcting software issues.
- Consult clients and colleagues concerning the maintenance and performance of software systems, with a view to writing or modifying current operating systems.
- Investigate new technologies.

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- Continually update technical knowledge and skills by attending in-house and external courses, reading manuals and accessing new applications.
- Prepare and review RS/FS, User Manuals and technical design documents to provide timely and meaningful feedback.
- Create detailed, comprehensive and well-structured Software Requirement Specification document, Test plans and Test cases.
- Estimate, prioritize, plan, and coordinate testing activities.
- Design, develop and execute Test Cases as per the SRS document.
- Identify, record, document and track bugs.
- Perform thorough regression testing.
- Hands on testing experience in multiple domains with mastery of test management lifecycle and developing test strategies.
- Must have handled QA projects from start to finish with an understanding of how to establish a test management process.
- Experience in preparing SRS document, creating and executing Test Plans, Test Scenarios, and Test Cases.
- Expertise in functional and nonfunctional test execution and reporting.

4. **PROFILE OF CONSULTANT**

4 Years BS (Hons.) degree in Computer Sciences/Software Engineering/IT from a reputed HEC recognized university. Proven work experience in Software development industry. At least 6 years' experience in Software Engineering including documentation, Software Testing and Quality Assurance in Software Development industry. Strong knowledge of Software Engineering, Documentation, QA Methodologies, Tools, and Processes. Good Knowledge of SDLC & STLC. Experience in writing clear, concise and comprehensive SRS documents, test plans, and test cases. Experience working in an Agile/Scrum development process will be a plus. Experience of different automation testing tools will be a plus.

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5. **EXPECTED DELIVERABLES**

A monthly progress report on Consultants work would be prepared and submitted, including tasks listed under "Scope of Services", above.

6. **TIME PERIOD**

The Consultant will be engaged for a period as decided by 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.