

TERMS OF REFERENCE (for new system) – Software Engineer (SE) (PHP/LARAVEL)

A. BACKGROUND:

FMS is a web based financial management system developed by Punjab Municipal Development Fund Company (PMDFC) to maintain/record all financial transactions carried out in Municipal Committees, Corporations, District Councils, and Metropolitan Corporation. The system was developed during 2011-12 for single Municipal Corporation and integrated versions were developed during 2014-15.

It has the following salient features:

- FMS is an inhouse developed system to maintain all financial transactions efficiently and effectively.
- It provides basis to maintain/develop computerized budget.
- It is a role-based system, ensuring system as well as data integrity.
- Various reports are available on a single click.
- It connects local government offices all over the province.
- Reports are available online and updated at real time which ensures transparency in all financial transactions.
- The FMS is using chart of accounts established by the 'Project to Improved Financial Reporting and Auditing (PIFRA).
- Helps in bank accounts reconciliation.
- It provides integrated reporting of all local government offices and related financial matters.

PMDFC has developed a separate set of the system for Khyber Pakhtunkhwa and made KP specific adjustments/configuration. PMDFC has also suggested that it will initially host the system for KP and provide online support to TMA's during implementation.

B. OBJECTIVES:

The Software Engineer (SE) will sustain the developed application of Financial Management System to enhance and integrate Government processes relevant to Local Governments finances and cash flow. the candidate will undertake action to ensure targets are met within established timeline and quality procedures and conduct / organize testing of software and implementation. S/he will provide specialist guidance and mentorship to less experienced colleagues to ensure best use is made of available assets, and to maintain or improve the software services.

C. SCOPE AND RESPONSIBILITIES

The main duties of **Software Developer (PHP/LARAVEL)** include:

- In coordination with the concerned stake holders, the candidate will, design and implement computer application Systems, modules and any software components needed to support objectives of local governments and finance department strategy, programs and projects;
- Maintain existing Financial Management System and Develop Systems enhancements, database optimization, application reports and statistics, and any software components needed to deliver complete and functional Financial Systems required by the stake holders;
- Perform all necessary software maintenance, including coding, testing, debugging, upgrading and modifications of software;

- Develop and provide a monthly software project status report describing the development activities and Software Implementation and any issues that may emerge, with conclusions and recommendations
- Manage conflicting and/or concurrent software upgrade, and/or refresh projects and programs

Key Skill Mix:

- Planning, Strategy and Solution & API development – Advanced
- Service Management, Service Operation – Medium
- Training and knowledge transfer - Medium.

D. QUALIFICATIONS AND EXPERIENCE

- At least 16 years of education in Computer Science/IT/Software Engg. or related field from a recognized University
- At least 5 years relevant experience as Software/Web Developer; Extensive knowledge in Web application development, Windows Services, and application security;
- Knowledge and experience using the MySQL database and experience in PHP LARAVEL, JQuery, Ajax, HTML5 and JavaScript
- Proven database programming with PL SQL, SQL / Optimization (expert level)