



Kerala Co-operative Milk Marketing Federation Limited
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Tender No.: KCMMF/KHO/SYS/80/2025

Date: 02/12/2025

E-tender invited For Providing Technical Support for the Development of Cloud-Based ERP System

The Kerala Co-operative Milk Marketing Federation Ltd. (KCMMF Ltd.) invites e-tender from eligible IT service providers for providing technical support for the development of a cloud-based ERP system in an open-source environment.

The expected period of service is one (1) year, extendable up to three (3) years based on performance.

1. Submission of tender

Interested service providers who meet the qualification criteria may submit their bids through Kerala etender website www.etenders.kerala.gov.in with all necessary documents. Help Desk No – 0471-2577088, 0471-25577188.

SL.No	Particulars	Details
1.	Bid Reference	KCMMF/KHO/SYS/80/2025 dated: 02.12.2025
2.	Tender download	www.etenders.kerala.gov.in
3.	Bid submission starting date	02.12.2025, 11.30 AM
4.	Last date and time of submission	09.12.2025, 11.30 AM
5.	Date and time of opening	10.12.2025, 11.30 AM
6.	Venue of Opening of Tender	KCMMF HQ
7.	EMD	Nil
8.	Tender Document Fee	Nil
9.	Bid Validity	90 days

The tender with the documents submitted will be evaluated in detail by a committee of Kerala Co-operative Milk Marketing Federation to select the parties who are qualified to proceed further. The

Kerala Co-operative Milk Marketing Federation shall have the right to accept/reject this tender fully or partially without assigning any reason thereof.

2. Eligibility Criteria

The service provider must:

1. Have approval from the Government of Kerala (GoK) for carrying out development in open-source software OR be empanelled by GoK/Kerala Govt. agencies/PSUs’.
2. Have a minimum of three (3) years’ experience in providing software development for public sector organizations, government bodies etc. Service provider must demonstrate proficiency across the required technology stacks such as AWS Cloud Services, Laravel/PostgreSQL Development, Mobile Development by submitting concerned work order.
3. Possess a valid GST registration certificate.
4. Provide a copy of the PAN card.

3. Scope of Work

The selected service provider shall be responsible for:

1. Deploying required qualified personnel as specified and as per requirements.
2. Assisting in the design, customization, development, testing, and implementation of the cloud-based ERP system and in addition to this provide support for any new projects or tasks, as directed by authorized officers.
3. Supporting management of databases, migration of databases and ensuring system integration.
4. Providing support to manage the AWS instances and databases.
5. Offering technical support and guidance during live deployment and stabilization.
6. Ensuring knowledge transfer to KCMMF personnel for long-term sustainability.
7. Providing hands-on training to KCMMF’s in-house software development team by providing documentation, user manuals, and training materials.

4. Manpower Deployment Requirements

Full stack developer (Laravel) 1 No

- **Front-end Development:** Building and maintaining user-facing interfaces using modern JavaScript frameworks, HTML and CSS using the Laravel framework.
- **Back-end Development:** Designing, developing, and maintaining robust and scalable erp using the Laravel framework.
- **Database Management:** Creating and managing databases (e.g. PostgreSQL), optimizing queries, and ensuring data integrity.
- **API Development:** Developing and integrating RESTful APIs.
- **Cloud Infrastructure:** Deploying, managing, and maintaining applications on AWS. This includes proficiency with key AWS services like **EC2, S3, RDS, Route 53, Auto scaling, Migrations and IAM.**
- **Code Quality:** Writing clean, well-documented, and testable code. Conducting code reviews and adhering to best practices.

- **Proficiency in Laravel:** Demonstrated expertise in building applications using the Laravel framework.
- **Proficiency in Android studio/React Native:** Demonstrated expertise in building applications using the Android studio/React Native.
- **Front-end Skills:** Strong knowledge of HTML5, Bootstrap 4, CSS3, JavaScript, and at least one modern front-end framework (jquery, React).
- **AWS Proficiency:** Practical experience with core AWS services relevant to application deployment and management. **AWS certification** (e.g., AWS Certified Developer - Associate) is highly desirable.
- **Database Skills:** Proficiency in SQL and experience with relational databases (e.g. PostgreSQL).
- **Operating System:** should be highly familiar with the operational and security aspects of Ubuntu and Red Hat Enterprise Linux Operating Systems.
- **Other preferred Skills:**
 - Experience with version control systems, particularly **Git**.
 - Familiarity with containerization technologies like **Docker**.
 - Expertise in the end-to-end management of the **Zimbra Collaboration Suite**. This must include daily mail service administration, implementation of robust backup and recovery strategies, and performance optimization.

Full Stack Developer (Oracle) 1 No

- **Front-end Development:** Building and maintaining user-facing interfaces using Oracle.
- **Back-end Development:** Designing, developing, and maintaining robust and scalable erp using the Oracle and Developer framework.
- **Database Management:** Creating and managing databases in Oracle optimizing queries, and ensuring data integrity.
- **Code Quality:** Writing clean, well-documented, and testable code. Conducting code reviews and adhering to best practices.
- **Proficiency in Laravel:** Demonstrated expertise in building applications using Oracle and Form Builder.
- **Server Management:** Deploying, managing, and maintaining applications on standalone servers. This includes proficiency with windows Server Operating systems, Script management, DNS configurations.
- **ERP development using Oracle and Developer:** Database migration from Oracle to PostgreSQL.
- **Proficiency in Windows Server OS:** Configuring Windows Server Os, Domain management and scripting.

Software Developer (Laravel) 2 Nos

- **Front-end Development:** Building and maintaining user-facing interfaces using modern JavaScript frameworks, HTML and CSS using the Laravel framework.
- **Back-end Development:** Designing, developing, and maintaining robust and scalable ERP using the Laravel framework.
- **Database Management:** Creating and managing databases (e.g. PostgreSQL), optimizing queries, and ensuring data integrity.
- **API Development:** Developing and integrating RESTful APIs.

- **Code Quality:** Writing clean, well-documented, and testable code. Conducting code reviews and adhering to best practices.
- **Experience:**
- **Proficiency in Laravel:** Demonstrated expertise in building applications using the Laravel framework.
- **Front-end Skills:** Strong knowledge of HTML5, Bootstrap 4, CSS3, JavaScript, and at least one modern front-end framework (jquery, React).
- **Database Skills:** Proficiency in SQL and experience with relational databases (e.g.PostgreSQL).
- **Other preferred Skills:**
 - Experience with version control systems, particularly **Git**.
 - Familiarity with containerization technologies like **Docker**

5. Qualifications’ for the Personnel for all each positions provided by the IT service provider

Position	Experience	Qualification
Full stack developer (Laravel) - 1 No.	Minimum 4 years of hands on experience as a full stack developer	Full time BTech in Computer Science/IT/ECE,MCA/MSc Computer scienceas a full-stack developer, software developer with the preferred skills stated under each category
Full Stack Developer (Oracle) -1 No.		
Software Developer (Laravel) - 2 Nos.	Minimum 2 years of hands as a software developer	

6. Common Requirements

- Fluency in English and Malayalam.
- Willingness to work in day and night shifts. Provide training to KCMMF’s in-house development team.
- Interact with users and the development team for ERP system implementation.
- Remain unchanged during the contract period.

7. Key Performance Indicators (KPIs)

Performance of the service provider and resource persons will be measured against the following KPIs:

1. Training Delivery – Number and quality of training sessions conducted; feedback from participants.
2. System Development Support – Timely completion of assigned modules in the ERP system.
3. Problem-Solving Efficiency – Responsiveness in addressing technical issues during development/implementation.
4. Documentation Quality – Accuracy, clarity, and completeness of technical/user documentation.

5. System Stability & Integration – Smooth migration and functioning of ERP modules without major disruptions.

8. Review Mechanism

1. Periodical review meetings will be conducted to evaluate progress against scope of work and KPIs.
2. Performance reports will be documented and shared with the service provider.
3. In case of unsatisfactory performance, KCMMF reserves the right to:
 - Seek immediate replacement of the resource person(s), or
 - Terminate the contract and award it to the next eligible bidder.

9. General Conditions

- The IT Service Providers who are qualified based on the prequalification criteria will be shortlisted and only they will be invited to visit KCMMF and get updated about the existing system.
- The final RFP for Technical and Financial bid shall only be issued to those vendors who are found to be qualified based on the prequalification criteria.
- Each Page of the tender document should be signed by the authorized person or persons submitting the tender in token of their having acquainted themselves with the terms & conditions of contract as laid down.
- The Managing Director's decision regarding short listing of bidders shall be final.
- The selection shall be carried out using the **Least Cost Selection (LCS) model**.
- The monthly rate quoted will be the deciding criterion; provided the IT service provider meets all eligibility conditions and the resource persons has the required qualifications and experience.
- Only agencies supplying manpower that meets the above qualifications will be considered.
- After selection, if it is found that the deployed manpower lacks the required experience, technical knowledge, or practical expertise, KCMMF reserves the right to remove the IT service provider and award the contract to the next eligible bidder.
- KCMMF reserves the right to reject any or all bids without assigning reasons.

10. Documents to be submitted

Online Cover I

- Proof of Approval from the Government of Kerala (GoK) for carrying out development in open-source software OR be empanelled by GoK/Kerala Govt. agencies. **The duly issued and valid certificate is to be attached.**
- Proof of experience in the field of software development of Service Provider. **Minimum three year experience in software development is mandatory.** Service provider must demonstrate proficiency across the required technology stacks such as AWS Cloud Services, Laravel/PostgreSQL Development, Mobile Development by submitting concerned work order
- Valid GST Registration.
- Startup Registration certificate for firms coming under startup.

- Profile with Qualifications and Experience Certificates for the manpower requirements **is mandatory**.
- PAN Card
- **An index page listing above mentioned documents along with the corresponding page numbers should be attached.**

Online Cover II

- Rates quoted shall be final and exclusive of all taxes.
- Price bid in the prescribed form available in the website www.etenders.kerala.gov.in as BOQ (Bill of Quantities).

Managing Director

Kerala Co-operative Milk Marketing Federation Ltd. (KCMMF)