

Proposal for Short-Term Consultancy Services

Submitted by: Teqtronics Systems and Trainings
Submitted to: Punjab Fisheries Department

Company Profile

Teqtronics Systems and Trainings is a Faisalabad-based private sector organization established in 2021, specializing in digital system development, integrated management information systems, artificial intelligence, and institutional capacity building. The firm has successfully delivered technology-driven solutions for public sector organizations, focusing on transparency, efficiency, automation, and improved service delivery in line with Government of Punjab objectives.

Understanding of the Assignment

Punjab Fisheries Department intends to establish an Integrated Management Information System (IMIS) for effective management of the Shrimp Estate with Value Chain Components at Chak 58 NB, Tehsil and District Sargodha. The assignment covers end-to-end digitization of shrimp farms, hatchery operations, processing units, laboratories, financial controls, internship and training programs, and statutory reporting under a centralized, secure digital platform.

Methodology and Approach

The proposed consultancy shall be executed through a structured, phased methodology comprising requirement analysis, system design, module-wise development, testing, deployment, and user training. Stakeholder engagement will be ensured at each stage to facilitate smooth adoption and long-term sustainability of the system.

Executive Summary

This proposal presents a six (06) month consultancy engagement for the design, development, and implementation of an Integrated Management Information System (IMIS) for the Shrimp Estate at Sargodha. The system will enable real-time monitoring, centralized oversight, operational transparency, regulatory compliance, and data-driven decision-making across the complete shrimp aquaculture value chain.

Objectives

The key objectives of the consultancy include establishing a unified digital platform for shrimp estate operations, enhancing monitoring and traceability, ensuring compliance with regulatory and export standards, facilitating informed decision-making through dashboards and analytical reports, and strengthening departmental capacity through structured training and documentation.

Scope of Work

The scope of work includes centralized project monitoring dashboards, digitization of shrimp farm operations, hatchery and processing plant management, laboratory and quality control systems, HR and internship program management, financial and asset tracking, and comprehensive compliance reporting.

Feasibility Study

Technical Feasibility: The system will be developed using secure, scalable web technologies suitable for government IT environments.

Operational Feasibility: System workflows are aligned with Fisheries Department operational practices.

Financial Feasibility: The consultancy cost represents a minimal proportion of the approved PC-I cost.

Institutional & Legal Feasibility: The proposed solution fully complies with PPRA Rules 2014 and Punjab IT policies.

Timeline and Milestones

The total duration of the consultancy is six (06) months, including one month for requirement analysis and system design, three months for system development, one month for testing and user acceptance, and one month for deployment, training, and go-live.

Declaration

Tegtronics Systems and Trainings undertakes to deliver the consultancy services with full professional responsibility and in compliance with applicable government rules, standards, and ethical practices.