Expression of Interest (EOI)

For Software Development of **Tele-Ophthalmology 2.0** Module and Common Microservices. Preferably from India

Issued By: Orbis International.

1. Introduction

Orbis International invites Expression of Interest (EOI) from reputed software development firms for the design, development, testing, and deployment of a Tele-Ophthalmology 2.0 Module along with a suite of common microservices as part of our unified eyecare technology platform, preferably from India

This initiative is part of Orbis's long-term digital transformation program aimed at modernizing its technology infrastructure and streamlining service delivery for eye care partners across India. The proposed system will be built on a cloud-hosted, multi-tenant, microservices-based architecture using Java Spring Boot and modern integration technologies.

2. Project Overview

The project involves the redevelopment of our existing Tele-Ophthalmology module into a modern, interoperable platform supporting:

- Remote, real-time tele-consultation between vision centers and hospitals
- Multi-tenant architecture with database-per-tenant model
- Seamless integration with third-party Vision Centre Management Systems (VCMS)
- Advanced audio-video consultation capabilities
- Load-balanced patient queue management and reporting

Alongside this, multiple shared, reusable microservices for partner onboarding, user management, global master data, licensing, agreement management, and audit logging will be developed as part of the unified technology platform.

3. Scope of Work

The selected firm will be responsible for:

- End-to-end software development of Tele-Ophthalmology 2.0 module.
- Design and implementation of common microservices for multi-tenant management.
- Integration of WebRTC-based video consultation functionality.
- API-based integration with third-party VCMS and devices.
- Development of dynamic reports and operational dashboards.
- Delivery of technical documentation and code repository.
- Knowledge transfer and UAT support.

The solution will be hosted on Orbis's cloud infrastructure with source code managed via a central version control system.

4. Technical Environment

- Platform: Java Spring Boot
- Database: MS SQL (central), MySQL (tenant-specific)
- Audio-Video: WebRTC integration
- Architecture: Microservices-based, multi-tenant (database-per-tenant model)
- Orbis will provide a virtual development environment and cloud infrastructure for development, deployment and testing.

5. Eligibility Criteria

Interested firms should:

- Be a registered software development company with at least 5 years of experience.
- Demonstrate expertise in Java Spring Boot, WebRTC, API interoperability, and microservices architecture.
- Have successfully delivered at least 1-2 similar systems.
- Have an experienced team for project management, development, QA, and support.
- Prior experience with non-profit, health sector, or eyecare applications is desirable.
- Preferably from India
- Language of communication – English, Hindi

6. Submission Process

Interested firms are requested to submit their EOI with:

- Company profile with relevant experience.
- Overview of technical capability and development process.
- List of similar projects delivered in the last 3 years.
- Proposed team structure and availability.

7. Next Step

Activities	Due Date
EOI must be submitted to **renu.sharma@orbis.org**	July 31, 2025
Detailed RFP to be shared with shortlisted organizations	Aug 11, 2025
Call organizations for presentations and to answer their queries	Aug 25, 2025
Finalization of Vendor	Aug 31, 2025
Project Start Date	Sep 10, 2025

7. Contact for Clarifications

For any clarifications regarding this EOI, please contact:

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