

SCOPE OF WORK — WEBSITE FEATURES & FUNCTIONAL REQUIREMENTS

Bio 360 Life Sciences Park (KSIDC) — Website Revamp

A. Baseline Functional Requirements (Mandatory)

1. Responsive, mobile-first design compliant with GIGW 3.0 (Government of India Guidelines for Websites) and WCAG 2.1 AA accessibility standards.
2. CMS-driven architecture allowing KLIP/Bio360 staff to independently update tenant company profiles, news, tenders, and gallery content without vendor dependency.
3. Bilingual support (English/Malayalam) with a language toggle across all pages.
4. Tenant/Company Directory with filter and search by sector (Diagnostics, MedTech, Pharma Manufacturing, Biotech R&D, Research Institutions), enabling structured browsing instead of a static scroll list.
5. Tenders & Procurement module integrated with document repository and searchable/archivable tender history (relevant given KLIP/KSIDC compliance needs).
6. News, Events & Media Room with auto-archiving, press release repository, and downloadable Annual Reports.
7. SEO, sitemap, and analytics integration (Google Analytics/Search Console) with a dashboard accessible to KSIDC IT.
8. Security compliance: SSL, hosting on empanelled/NIC-compliant infrastructure, and adherence to CERT-In advisories
9. Data privacy compliance with the Digital Personal Data Protection Act, 2023, for all enquiry/application form submissions.

B. Value-Added / Engagement Features (Desirable)

10. Interactive campus/master-plan visual showing park zones (Innovation & Incubation Centre, Bioprocess Facility, Laboratory Animal Facility, developed plots) with clickable info-panels.
11. Investor-facing infrastructure availability tracker (incubation slots occupied/available, plot availability status) updated periodically by KSIDC staff via CMS.
12. AI Chatbot for all Bio360 activities support
13. Downloadable investor collateral hub (pitch decks, policy documents, MSEFC/incentive notes) with version control.

C. Innovation Proposal (Mandatory Bid Component)

14. In addition to the above, the Bidder shall submit a dedicated "Innovation Proposal" (max 3–5 pages) as part of the technical bid, outlining value-added digital features not explicitly specified above that would strengthen Bio360's positioning as a premier life sciences investment destination. Illustrative (non-binding) areas the Bidder may consider:
 - Data visualization of Kerala's life sciences ecosystem (research institutions, talent pool, patent output)
 - Tools to support investor due-diligence or virtual site assessment
 - Mechanisms to showcase tenant company innovation output (patents, products, publications) dynamically
 - Any AI-assisted or interactive engagement layer appropriate for an institutional/government website

Bidders will be evaluated partly on the originality, feasibility, and relevance of this proposal, and the selected concepts shall be incorporated into the final scope of work at no additional cost beyond the agreed contract value, subject to mutual technical feasibility discussion.

D. Non-Functional Requirements

15. Page load time ≤ 3 seconds on 4G; Core Web Vitals compliance.
16. One year of post-launch maintenance, security patching, and content-update support included in the base bid.
17. Complete source code, CMS credentials, and documentation to be handed over to KLIP on project closure — no vendor lock-in.