

# State Council of Educational Research and Training (SCERT), Bihar, Patna

## Expression of Interest (EOI)

### Development of Learning Management System (LMS) for Bihar - Classes 1 to 12

EOI No.: SCERT/LMS/2026/2763	Date: 17-06-2026	Submission: within 7 days of issue/publication
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#### 1. Invitation and Background

SCERT, Bihar invites Expression of Interest from eligible technology agencies, EdTech organisations, system integrators, academic institutions, assessment bodies, AI/ML solution providers and consortia for design, development, deployment, integration, operation and maintenance of a Learning Management System (LMS) covering Classes 1-12 across Government schools of Bihar.

The LMS shall serve as a unified digital academic platform for students, teachers, parents, school heads and education administrators. It shall provide curriculum-aligned e-learning resources, e-library, Learning Outcome and PARAKH-aligned assessments, question bank generation, teacher onboarding/support, AI-enabled guidance and dashboards. The system must securely integrate with e-Shikshakosh, DIKSHA, Vidya Samiksha Kendra (VSK) and other approved systems through APIs or other approved mechanisms.

#### 2. Objectives

Universal Academic Access Easy access to SCERT-approved digital teaching-learning materials and e-library for Classes 1-12.	Learning Outcome Focus Assessment, remediation and progress tracking aligned with grade-wise competencies, Learning Outcomes and PARAKH.
Age-Appropriate AI Support Hindi/English AI chatbot and AI-assisted question generation with grade-band controls, moderation and human review.	Integrated Monitoring Dashboards linked with e-Shikshakosh, DIKSHA and VSK for school, student, teacher, content and assessment data.

#### 3. Scope of Work / Functional Requirements

The agency shall propose a secure, scalable, multilingual and user-friendly web/mobile LMS with the following minimum modules and functionalities:

<ul style="list-style-type: none"> <li>Role-based access for students, teachers, parents, school heads, block/district officials, SCERT/DIET functionaries and State administrators.</li> <li>Integration with e-Shikshakosh for student, teacher, school, UDISE, class, section, subject, assessment and Learning Outcome data.</li> <li>Integration/linkage with DIKSHA to avoid duplication and use available national digital assets and competency-mapped resources.</li> <li>E-library/content repository using SCERT-provided and approved content, mapped to class, subject, chapter, topic, language, competency and Learning Outcome.</li> <li>SCERT-controlled content workflow for upload, tagging, review, approval, publishing, version control and archival.</li> </ul>	<ul style="list-style-type: none"> <li>AI chatbot in Hindi and English with age-band controls: Classes 1-5 restricted to curriculum-aligned content; Classes 6-8 and 9-12 with graded access and moderation.</li> <li>Question bank generation from SCERT-approved study material and approved academic repositories, with copyright compliance and academic review.</li> <li>Assessment engine for baseline, formative, chapter-end, monthly/quarterly, diagnostic, remedial and practice assessments.</li> <li>Learning gap analysis, remedial recommendations and reports at student, class, school, block, district and State levels.</li> <li>Teacher onboarding, training design, helpdesk support and user guidance material in Hindi.</li> </ul>
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#### 4. Assessment, Question Bank and AI Governance

The LMS shall support Learning Outcome and competency tagging for all approved content, questions, tests and remedial activities. AI-generated questions shall be classified by class, subject, chapter, topic, competency, difficulty level and question type. They shall not be used for official assessments unless reviewed and approved by authorised SCERT/academic personnel through a defined workflow.

The AI chatbot and question-generation modules shall include safeguards to prevent inaccurate, inappropriate, biased, harmful or age-inappropriate responses. The agency shall propose explainability, moderation, human review, logging, version control, copyright checks, content approval and mechanisms to disable or modify AI outputs whenever directed by SCERT/Education Department.

#### 5. Technical, Security and Integration Requirements

<ul style="list-style-type: none"> <li>Scalable, cloud-ready, modular architecture capable of State-wide deployment and large concurrent users.</li> <li>Web portal and mobile application with low-bandwidth support, simple UI/UX, Hindi and English interface; Maithili support as a future requirement.</li> <li>Secure API-based integration with e-Shikshakosh, DIKSHA, VSK and other approved systems; documented data flow and authentication mechanism.</li> <li>Role-based access control, secure login, audit trail, encryption in transit and at rest, backup, disaster recovery and log management.</li> <li>Configurable masters for class, subject, chapter, Learning Outcomes, competencies, question types, difficulty levels and user roles.</li> </ul>	<ul style="list-style-type: none"> <li>Compliance with applicable cyber security, data protection, child safety and accessibility requirements.</li> <li>All student, teacher, parent, school, assessment, usage and content data shall remain the property of Government of Bihar.</li> <li>All platform code, databases, content repositories and system configurations developed/configured for this engagement shall vest with Government of Bihar upon completion, subject to final contract/RFP conditions.</li> <li>Open standards, data portability, documented APIs, auditability and avoidance of vendor lock-in.</li> <li>Analytics, MIS reports, PDF/Excel exports, exception reports, SLA approach and exit-management arrangements to be clearly stated.</li> </ul>
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#### 6. Eligibility and Information to be Submitted

Interested agencies should be registered organisations/companies in India and should preferably have minimum three years of demonstrable experience in EdTech, LMS development, digital assessments, AI-enabled education tools, government MIS/dashboards, secure integrations and large-scale user support. Prior deployment of at least one solution for a government agency or large-scale educational institution is desirable. Consortiums may apply, provided the lead agency is clearly identified and remains responsible for delivery.

<ul style="list-style-type: none"> <li>Covering letter and organisation profile with registration details.</li> <li>Relevant experience in LMS/EdTech/assessment/AI platforms with client references/work orders/completion certificates.</li> <li>Proposed LMS concept for Bihar covering Classes 1-12, architecture, modules, data flow and user journey.</li> <li>Proposed integration approach with e-Shikshakosh, DIKSHA and VSK, including API, security and hosting approach.</li> </ul>	<ul style="list-style-type: none"> <li>AI chatbot and question bank generation methodology including age-differentiation and safeguards.</li> <li>Learning Outcome and PARAKH-aligned assessment and remedial learning framework.</li> <li>Implementation timeline, pilot/rollout plan, teacher onboarding, helpdesk and support model.</li> <li>Team composition, key experts, indicative cost model and declaration.</li> </ul>
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#### 7. Evaluation Parameters

EOIs may be evaluated on the basis of: (i) understanding of Bihar school education requirements for Classes 1-12, (ii) quality and practicality of LMS design, (iii) relevant LMS/EdTech/AI/assessment experience, (iv) Learning Outcome and PARAKH-aligned assessment approach, (v) integration with e-Shikshakosh, DIKSHA and VSK, (vi) age-appropriate AI chatbot and safety architecture, (vii) data security and child safety, and

(viii) scalability, usability and implementation capacity. SCERT may invite shortlisted agencies for presentation, demonstration or proof of concept.

### 8. Important Conditions

Submission of EOI shall not confer any right for award of work. SCERT may accept, reject, modify, cancel or reissue this EOI at any stage and may proceed through a separate RFP/tender/pilot process. All concepts submitted may be used by SCERT/Education Department for refining the final scope, without creating any financial or contractual obligation at the EOI stage. All information shared by SCERT/Education Department shall be treated as confidential.

### 9. Timeline and Submission

Submission Timeline	Within 7 days from date of issue/publication of this EOI
Submission Mode	Email to the notified address and one sealed physical hard copy, or such mode as notified by SCERT. Email: <b>directorscertbihar@gmail.com</b>
Address	Director, SCERT, Bihar, Mahendru, Patna, Bihar
Subject Line	EOI - Learning Management System for Bihar - [Agency Name]

### 10. Declaration

The applicant shall declare that all information submitted is true and correct, that it shall maintain confidentiality of all information shared by SCERT/Education Department, and that all data generated under the system shall remain the property of the Government of Bihar.

**Issued by**  
**Director, SCERT, Bihar**  
**Patna**