



**PUSAT TEKNOLOGI PENDIDIKAN
KEMENTERIAN PENDIDIKAN**

TAWARAN

BIL TAWARAN	KETERANGAN	YURAN TAWARAN	TARIKH TUTUP Tidak lewat Jam 2.00 petang
-	EXPRESSION OF INTEREST FOR THE DESIGN, DEVELOPMENT, MIGRATION, DEPLOYMENT, HOSTING, INTEGRATION, AND MAINTENANCE OF AN INTEGRATED ONLINE EDUCATIONAL RESOURCES PLATFORM FOR THE MINISTRY OF EDUCATION, BRUNEI DARUSSALAM	PERCUMA	19 /08/2025

EXPRESSION OF INTEREST FOR THE DESIGN, DEVELOPMENT, MIGRATION, DEPLOYMENT, HOSTING, INTEGRATION, AND MAINTENANCE OF AN INTEGRATED ONLINE EDUCATIONAL RESOURCES PLATFORM FOR THE MINISTRY OF EDUCATION, BRUNEI DARUSSALAM

The Ministry of Education (MOE) invites qualified vendors to submit proposals for Expression of Interest for the Design, Development, Migration, Deployment, Hosting, Integration, And Maintenance of An Integrated Online Educational Resources Platform for The Ministry of Education, Brunei Darussalam. This solution aims to consolidate existing MOE services—specifically the **MOE TV** platform (educational video hosting with online encoding and channel-based content) and **SUMBER DRMS** (educational resource repository)—into a **unified, cloud-based platform** offering an improved user experience, streamlined content management, and intelligent delivery.

The scope includes developing a modern, modular, and scalable solution along with full content migration, ensuring all videos, documents, user-generated content, channels, tags, and metadata from both platforms are securely transferred and preserved in the new system. The solution must be future-ready, with a modular design and secure, well-documented APIs that allow for the integration of future mini-apps, dashboards, and external services.

1. OBJECTIVE

This EOI seeks to identify vendors capable of:

1. Designing and developing an integrated online education resources platform that unifies MOE TV and SUMBER DRMS.
2. Migrating existing content, including all metadata, tags, channels, and user uploads, into the new system.
3. Hosting the platform on a cloud-based infrastructure, with preference for Google Cloud Platform (GCP) to ensure alignment with the Ministry's existing systems and tools.
4. Implementing Single Sign-On (SSO) using Google Workspace accounts, providing secure, seamless user access.

5. Offering a universal search function across all content (videos, documents, metadata).
6. Ensuring modularity and future-proofing to support expansion, such as the integration of mini-apps, analytics, intelligent recommendations, and external systems via a secure, well-documented API.

2. FUNCTIONAL REQUIREMENTS

Platform Development and Integration

- a. Develop a cloud-native platform unifying MOE TV (tv.moe.gov.bn) and SUMBER DRMS (sumber.moe.gov.bn) into a single, easy-to-navigate online platform.
- b. Support intuitive, gallery-style browsing of video and document resources.
- c. Include a modular architecture with clear API endpoints to enable future integration with other MOE systems, mini-apps, or third-party services.

Content Migration

- a. Develop and execute a complete migration plan to securely transfer all existing videos, documents, tags, categories, channels, metadata, and user-generated content.
- b. Ensure data integrity, completeness, and preservation of all existing organizational structures and metadata.

Cloud Hosting and Compatibility

- a. Host the platform on a reliable and scalable cloud platform, with preference for Google Cloud Platform (GCP) to align with cloud adoption strategy.
- b. Support modern serverless and microservices architectures to enable modular, scalable development (e.g., Cloud Run, App Engine).
- c. Allow integration with Google's ecosystem and APIs for planned features such as dashboards, learning analytics, and recommendation engines.
- d. Provide API access that supports secure integration with future tools and services.

User Authentication and Security

- a. Implement Google Workspace Single Sign-On (SSO) to provide secure, streamlined access for students, teachers, administrators, and moderators.
- b. Include role-based access control to ensure users only access appropriate features and data.
- c. Ensure data privacy and compliance with MOE's data governance standards.

Universal Search and Navigation

- a. Provide a universal search bar capable of searching across all uploaded content, including videos, documents, metadata, and tags.
- b. Support filtering, sorting, and intuitive navigation to help users discover resources easily.

User Upload and Content Management

- a. Enable users (e.g., teachers, content creators) to upload digital resources in various formats, including videos, documents, file attachments, and external links.
- b. Provide simple management tools for users to:
 - a. Edit titles, tags, categories, and descriptions.
 - b. Re-upload updated versions.

- c. Delete or retract items pending approval.
- c. Include a content moderation workflow:
 - a. All uploads remain “pending” until reviewed and approved by an assigned MOE content management team.
 - b. Moderators must have tools to view, approve/reject, annotate, and manage submissions.
 - c. Users must be able to see the status of their own submissions (e.g., pending, approved, rejected).

User Types and Activity Reporting

- a. Support basic user classification for Teachers, Students, Parents, and Departments.
- b. Allow administrators to generate activity reports over a specified time range, aggregated by user type, including:
 - a. Number of logins or sessions.
 - b. Number of visits.
 - c. Number of resources viewed or downloaded.
 - d. Average time spent watching videos or accessing resources.
- c. Reports must be exportable in standard formats (e.g., CSV, XLSX).
- d. The reporting system should be simple and cost-effective while meeting these tracking needs.
- e. Expose reporting data through secure APIs to enable potential integration with future analytics dashboards or school systems.

User Interface and Experience (UI/UX)

- a. Design a modern, intuitive, and modular interface supporting easy customization.
- b. Ensure responsive design suitable for both desktop and mobile devices.
- c. Present content clearly using gallery-style or card-based layouts.

Modularity and Future-proofing

- a. Build a modular backend architecture that enables:
 - a. Easy integration of future mini-apps or features (e.g., dashboards, quizzes, interactive modules).
 - b. Addition of advanced features such as learning analytics and AI-powered resource recommendations without major redesign.
 - c. Secure, well-documented API endpoints exposing core platform functions (user management, content search, upload, reporting) to allow future apps or services to connect seamlessly.

3. REQUIREMENT

Interested companies/vendors are invited to submit business proposals, which include but are not limited to:

1. Provide a detailed technical proposal outlining the platform architecture, integration approach, and migration strategy.
2. Explain the strategy for secure, complete content migration, preserving metadata and user-generated content.
3. Describe cloud infrastructure choices, emphasizing advantages of Google Cloud Platform if proposed.
4. Detail Google Workspace SSO integration.

5. Explain scalability, modularity, API design, and future expansion capabilities.
6. Provide a clear timeline with development phases and key milestones.
7. Include a budget proposal with a clear breakdown of development, hosting, migration, and ongoing maintenance costs.
8. Propose user training, documentation, and post-deployment support options.
9. Clearly itemize all subscription fees, licensing costs, pay-as-you-use charges (e.g., cloud storage, bandwidth, API calls), and any required or recommended add-on devices or services.
10. Include transparent pricing for tiered usage models or additional costs that may apply as usage scales.
11. Provide a full cost of ownership model to help MOE plan for both initial and future operational expenses.

ELIGIBILITY REQUIREMENTS

1. Technical capability and experience in developing cloud-based educational platforms.
2. Company profile and relevant project experience.
3. Detailed technical proposal, including architecture, features, API strategy, and migration approach.
4. Implementation of a roadmap with milestones and timeline.
5. Budget proposal with detailed cost structure.
6. Any additional supporting documents demonstrating capability and experience.
7. Expressions of Interest (Eoi) are invited from Vendor who are prepared and willing to provide services for the development for Integrated Online Educational Platform Solution for the Ministry of Education, Brunei Darussalam.
8. Vendors intending to participate in the Eoi must ensure that they have a valid Business License registered in Brunei Darussalam.
9. Vendors must possess a valid License to Conduct Business.
10. Any Vendor currently on the blacklist is prohibited from participating in EOI. The Authority reserves the right to cancel/disregard/reject the Eoi.

4. COMPLETING FORMS GUIDELINES

1. Understand all the specified terms and regulations in this Expression of Interest (Eoi) document.
2. For further inquiries, vendors may contact us directly:

	Pusat Teknologi Pendidikan, Kementerian Pendidikan
	edtech@moe.gov.bn
	673 2384333 ext. 202 (during office hours)

3. Ensure that all information provided in the Eoi is clear and explicit, avoiding any unclear or misleading statements that may lead to disqualification.
4. Make any necessary changes/corrections to the written text or prices in the Eoi form by crossing out the incorrect word/number with a single line and using correction fluid to write the correct information above it. These changes shall be accompanied by the vendor's initial signature and company stamp.
5. Submit a complete Eoi form, signed by the company owner and stamped with the company seal, to avoid rejection or cancellation due to incomplete entries or non-compliance with guidelines.

6. Include any required additional supporting reference documents as copies, stamped with the Contractor/Supplier seal, along with the Eol form during the submission process.

5. SUBMISSION OF EXPRESSIONS OF INTEREST FORMS

Expressions of Interest (EOI) shall be submitted with the following documents:

- a. Copy of the Owner's Identification Card
- b. Company Business Information
- c. Copy of valid Business Registration Certificate (Certificate of Incorporation for Private Limited Company)
- d. Additional Information/Details (description of prices and other relevant information with company stamp)

Suppliers must ensure that all Eol forms and required documents are complete and included before submitting the respective Eol. Any attachments/additional information will not be accepted after the Eol is submitted/enclosed.

All submissions for Eol participation should be **sent via email only** to the following address:
edtech@moe.gov.bn

6. INFORMATION AND NOTICE

- i. Kerajaan Kebawah Duli Yang Maha Mulia Paduka Seri Baginda Sultan dan Yang Di-Pertuan Negara Brunei Darussalam is not obligated to accept and endorse the Eol with the lowest price or the one that is unrelated to the subject matter of the Eol.
- ii. Any existing national laws shall serve as the basis, reference, and guiding principles for the implementation of this service from the opening of EOI submissions until the completion of the service.
- iii. Any participation that is rejected due to reasons such as late submission of EOI, failure to meet requirements, submission of false information, or violation of participation rules will not be considered.