Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES – INDIVIDUAL CONSULTANT SELECTION)

NEPAL
Nepal Safer Schools Project (NSSP) — Project Preparation
Grant No.: IDA E758-NP (Preparation Grant for Nepal Safer Schools Project)

Assignment Title: GIS and Data Management Specialist (Coordinator, IT, GIS and Data Group) (Individual Consultant)
Reference No. (as per Procurement Plan): NP-CLPIU EDU-578151-CS-INDV
Date of Publication: 7 November 2026 (2083/07/21 BS)

The Government of Nepal has received financing from the World Bank (International Development Association) toward the cost of the Preparation Grant for Nepal Safer Schools Project (IDA Grant No. E758-NP, under the Grant Facility for Project Preparation), and intends to apply part of the proceeds for consulting services.

The consulting services ("the Services") include leading and coordinating Team 3 (IT, GIS and Data Group) and assisting the Department of Education in planning, managing and implementing the digital systems, data management and GIS of the school infrastructure assessment, including the School Infrastructure Data Dictionary and school/building identification system, the digital assessment system and GIS platform, IEMIS/GIS integration and dashboards, data governance, oversight of service providers and institutionalization of the School Infrastructure Information System. The estimated level of effort is 9 person-months (198 working days), including approximately 35 days of travel outside Kathmandu Valley, on an intermittent basis over the period December 2026 to 15 July 2027, based at the Department of Education, Sanothimi, Bhaktapur. The assignment is expected to start in December 2026.

The detailed Terms of Reference (TOR) for the assignment (Annex 1) is attached to this request for expressions of interest, and can also be found at the following websites: www.cehrd.gov.np / www.moe.piu.gov.np.

The Department of Education (DOE), Ministry of Education and Sports, now invites eligible individual consultants ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

the required qualifications and relevant experience to perform the Services, including a cover letter, a detailed curriculum vitae, and copies of academic certificates and experience documents, together with a list of comparable assignments stating the client, period, the applicant's role and a referee who can confirm each.

The attention of interested Consultants is drawn to Section III, paragraphs 3.14, 3.16 and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" September 2025 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

The Consultant will be selected on the basis of qualifications and relevant experience. The procurement process will be in accordance with the Individual Consultant Selection (Open – National) method set out in the World Bank's Procurement Regulations.

Further information can be obtained at the address below during office hours, 09:00 to 16:00 hours (Nepal Standard Time), on Government working days.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail) by 12:00 hours (Nepal Standard Time) on 25 November 2026 (2083/08/09 BS).

Department of Education (DOE)
Attn: SDE Ashok Adhikari, Section Chief, Project Infrastructure Development Section (PIDS), Department of Education
Sanothimi, Bhaktapur, Nepal
Tel: +977-9851422340
Website: www.cehrd.gov.np / www.moe.piu.gov.np

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

ANNEX 1: TERMS OF REFERENCE

GIS and Data Management Specialist (Coordinator, IT, GIS and Data Group)- Individual Consultant

Project	Nepal Safer Schools Project — National School Infrastructure Assessment for Safer Schools in Nepal
Implementing Agency	Ministry of Education and Sports (MoES) through Department of Education (DoE)
Financing	World Bank Grant Facility for Project Preparation (GFPP) Grant
Procurement Plan Activity Ref.	NP-CLPIU EDU-578151-CS-INDV
Position	Individual Consultant — GIS and Data Management Specialist (Coordinator, IT, GIS and Data Group)
Market Approach	Open-National
Duty Station	Department of Education, Bhaktapur, with travel to program districts as required
Reports To	Deputy Director General / Senior Divisional Engineer, Department of Education
Selection Method	Individual Consultant Selection, following an open national request for expressions of interest, in accordance with the World Bank's Procurement Regulations for IPF Borrowers, Seventh Edition, September 2025.

1. Background and Context

Nepal lacks a unified, evidence-based national system for assessing and prioritizing public school infrastructure. Existing information is fragmented, with inconsistent identification of unsafe or aging buildings and limited standardized data on WASH, accessibility, land, classroom adequacy, disaster risk, and future demand. Consequently, infrastructure investments and budget requests may remain largely demand-driven rather than risk- and evidence-informed. The project will establish a National School Infrastructure Assessment System under MoES, covering all public schools through a standardized Level-1 digital assessment. Schools requiring further intervention will be prioritized for Level-2 detailed technical assessment and, where justified, Level-3 master planning and investment preparation, creating a credible pipeline for NSSP and other investments.

The National School Infrastructure Assessment therefore aims to establish a verified, digital and risk-informed national baseline of school infrastructure and identify priorities for detailed technical assessment, rehabilitation, retrofitting, reconstruction, expansion, relocation and long-term school master planning, supporting a transition from reactive investment to systematic, risk-informed, inclusive, climate-resilient and needs-based school infrastructure development.

The Department of Education is seeking to engage one qualified GIS and Data Management Specialist (Coordinator, IT, GIS and Data Group) to support the day-to-day technical activities and the development and implementation of the digital school infrastructure assessment system, GIS, data management and related standards, tools and guidelines, in accordance with

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

the World Bank's Procurement Regulations for IPF Borrowers and the applicable Legal Agreement.

Three-Tier Assessment System

Establish a comprehensive national baseline of public-school physical infrastructure through rapid, digital, and risk-informed Level-1 assessment covering buildings, facilities, WASH, accessibility, utilities, site conditions, hazards, and other relevant physical infrastructure parameters.

Identify and technically assess high-risk and priority schools and buildings through detailed Level-2 structural, geotechnical, and multi-hazard risk assessments, and establish evidence-based recommendations for repair, retrofitting, reconstruction, relocation, or other appropriate interventions.

Strengthen investment and implementation readiness for priority schools through Level-3 site master planning, phased intervention planning, cost estimation, financial planning, DPR preparation, technical design, and procurement readiness for reconstruction, expansion, relocation, or school consolidation/integration.

2. Objectives of the Assignment

The objective of this assignment is for the Coordinator to lead and coordinate Team 3 (IT, GIS and Data Group) and assist the Department of Education in planning, managing and implementing school infrastructure assessment activities, with particular focus on digital systems, data management and GIS.

Key focus of the assignment: Team 3 leadership and integration; Data Dictionary and identification system; digital assessment system and GIS platform; data governance; service-provider oversight; institutionalization.

3. Scope of the Work

The GIS and Data Management Specialist will lead and coordinate the IT, GIS and Data Group and assist the Department of Education in planning, managing and implementing school infrastructure assessment activities, with particular focus on digital systems, data management and GIS, including but not limited to the following:

Thematic Leadership and Management

- Lead and coordinate Team-3: IT, GIS and Data Group and serve as a member of the Program Implementation Committee (PIC), representing the Group as authorized by the Department of Education. Work closely with the Deputy Director General, Infrastructure and Quality Promotion Division, Senior Divisional Engineer and other thematic group coordinators.
- Coordinate the multidisciplinary Group comprising GIS/Remote Sensing, software development, database management, data analytics, IEMIS, ICT infrastructure and cybersecurity specialists.

Data Dictionary, Standards and Identification

- Author, maintain and version-control the School Infrastructure Data Dictionary, data standards, metadata, the unique school and building identification scheme and the mapping to EMIS codes, ensuring consistency with IEMIS requirements.
- Operate a change-control process for the Data Dictionary after version 1.0, under which the Database, IEMIS, GIS and Developer specialists are consulted before changes are approved. The Database, IEMIS and GIS / Remote Sensing specialists contribute the fields in their domains.
- Establish requirements for data validation, quality control, verification, metadata and version management, and approve the end-to-end data quality framework prepared by the Data Analyst.

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

Digital System, Data and GIS Development

- Lead the development and management of the digital school infrastructure assessment system and field application, including data structures, GPS coordinates, photographs, assessment results and risk/classification information.
- Coordinate integration of assessment data with IEMIS, GIS and other relevant systems, and oversee development of GIS databases, spatial layers, dashboards and analytical tools.

Contract Management and Technical Support

- Provide technical leadership in managing service providers and specialists engaged in software development, GIS, database management, data collection systems and IEMIS integration; review technical specifications, system architecture and deliverables; monitor progress, quality and performance; and coordinate testing and troubleshooting, with particular attention to system functionality, data quality, scalability, interoperability, cybersecurity and protection of school and personal data.

Data Governance, Capacity Building and Institutional Support

- Support the Department of Education in establishing sustainable institutional arrangements for management and use of the School Infrastructure Information System, providing technical inputs to training, user manuals, data management protocols and system operation guidelines, establishing mechanisms for periodic data updating, validation and system maintenance, and promoting use of GIS, dashboards and data analytics for infrastructure planning, prioritization and investment decisions.
- Prepare, with the Cybersecurity Specialist and in consultation with DoE and MoES, a data governance and sharing protocol covering ownership of Level-1 to Level-3 data, user access tiers and rules for sharing data within the MOES/DOE and with other agencies. Policy decisions remain with DoE and MoES.

4. Key Responsibilities

Individual Key Responsibilities

- Lead and coordinate the IT, GIS and Data Group and provide technical leadership for digital assessment, GIS, data management and information systems.
- Develop and oversee the digital school infrastructure assessment system and field application, including data collection, validation, synchronization and reporting functions.
- Establish and maintain the School Infrastructure Data Dictionary, data standards, metadata and unique school/building identification system, ensuring consistency with IEMIS requirements.
- Lead integration of school infrastructure assessment data with IEMIS, GIS and other relevant government information systems.
- Establish data validation, quality assurance, verification, version control and data security protocols to ensure accuracy, completeness, consistency and reliability of assessment data.
- Develop and maintain GIS databases, spatial layers, maps, dashboards and analytical tools to support risk assessment, infrastructure planning, prioritization and investment decisions.
- Coordinate the development, testing and quality assurance of software, databases, GIS applications, dashboards and other digital tools developed by service providers.
- Provide technical support for data analysis, visualization and evidence-based reporting across Level-1, Level-2 and Level-3 assessment and planning.
- Develop and deliver training, user manuals, data protocols and system guidelines for central, provincial and local-level users.
- Promote institutionalization and sustainable operation of the School Infrastructure Information System, including knowledge transfer to designated government institutions.

IT, GIS and Data Group — Team Responsibilities and Expected Outputs

- Develop, operate and manage the Digital School Infrastructure Assessment System, including digital field assessment tools and applications.
- Establish and maintain national standards for school- and building-level infrastructure databases, including data structures, coding, metadata and data dictionary.
- Integrate school infrastructure assessment data with IEMIS, GIS and other relevant government information systems to ensure interoperability and consolidated information management.

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

- Ensure systematic collection, validation and management of IEMIS codes, school/building locations/GIS coordinates, photographs, infrastructure condition, hazard/risk and classification data.
- Establish and implement data validation, quality-control, verification and data security mechanisms to ensure accuracy, completeness, consistency and reliability of assessment information.
- Develop and maintain GIS databases, spatial maps, dashboards and analytical reports to support evidence-based planning, risk assessment and decision-making.
- Maintain, update and periodically improve the School Infrastructure Information System, including data updating, system maintenance, user support and institutionalization.

5. Deliverables and Reporting Schedule

No.	Deliverable	Key Contents	Timeline
1	**Digital Assessment System and Data Management Framework**	Digital assessment architecture; field assessment application; Data Dictionary; school/building identification system; database standards, fields, coding, metadata; integration requirements with IEMIS and GIS.	Week 6
2	**National School Infrastructure Database and GIS Platform**	Consolidated school- and building-level database; IEMIS codes; GIS coordinates; photographs; condition and risk/classification data; GIS database/spatial layers; data validation/QC mechanisms.	Week 6
3	**IEMIS/GIS Integration, Dashboard and Analytical System**	Integration of assessment data with IEMIS and GIS; interactive maps and dashboards; analytical tools; data visualization; school risk/infrastructure profiles; reporting functions.	Week 22
4	**Data Analytics and Decision-Support Reports**	Analysis of Level-1, Level-2 and Level-3 assessment data; risk and infrastructure analytics; support to school prioritization, intervention planning and progress monitoring.	Week 30
5	**School Infrastructure Information System — Final and Operationalization Report**	Fully operational and validated information system; updated national database; data maintenance protocols; user manuals/training materials; cybersecurity arrangements; sustainability mechanism; final report.	Final

6. Reporting, Coordination and Representation

The IT, GIS and Data Group Coordinator shall report to the designated Deputy Director General or Senior Divisional Engineer or authorized representative of the Department of Education and shall work in close coordination with the relevant technical teams and service providers. The coordinator shall lead and coordinate the IT, GIS and Data Group and work closely with the four thematic technical groups to ensure effective integration of digital systems, data management, GIS and analytical outputs across the assessment, planning and investment process.

7. Duration and Level of Effort

The assignment is expected to commence in November 2026 and continue until 15 July 2027, covering the required activities within the Government of Nepal fiscal year 2083/84. The total level of effort for the GIS and Data Management Specialist (Coordinator, IT, GIS and Data Group) is estimated at 9 person-months (198 days with requirement of travel outside Kathmandu Valley for project related activities for approximately 35 days) over the assignment period. The Consultant will be based at the Department of Education and will provide inputs in accordance with the approved work plan and requirements of the assignment. The level of effort may be adjusted within the overall assignment period, as required to meet key milestones, deliverables and technical priorities.

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

8. Qualifications, Experience and Competencies

Academic Qualifications

- Master's degree in GIS, Geoinformatics, Geomatics, Geography, Remote Sensing, Information Technology, Computer Science or a closely related field.
- Relevant professional training/certification in GIS, spatial database management, remote sensing, data analytics or information systems is an advantage.

Minimum Professional Experience (required):

- Minimum 5 years of relevant professional experience in GIS system design, spatial data management and development of GIS-based information systems.
- Demonstrated experience in GIS database design, spatial data architecture, data standards, metadata and data management frameworks.
- Experience in spatial data quality assurance/quality control (QA/QC), data validation and verification.
- Experience in development and management of GIS platforms, web-based GIS applications, dashboards and spatial data visualization systems.
- At least 3 years of experience leading technical teams, or coordinating multiple technical specialists or vendors on a single information system.

Advantages:

- Strong technical competency in GIS system architecture and spatial data management; ability to establish national-level spatial database standards, data dictionaries, coding systems and metadata requirements.
- Strong knowledge of GIS database design, spatial analysis, georeferencing, mapping and spatial visualization.
- Competence in GIS-based dashboards, web mapping and analytical reporting for decision-making; strong understanding of spatial data QA/QC, validation, verification and data security.
- Ability to integrate and manage GIS, IEMIS and other digital information systems, and to translate spatial/infrastructure data into risk analysis, prioritization and investment decision-support information.
- Experience in data governance, data sharing or data protection arrangements for government datasets.

General Requirements:

- Excellent written and spoken English and Nepali.
- Applicants shall list at least one comparable assignment, stating the client, period, the applicant's role and a referee who can confirm it.
- No conflict of interest with any current or anticipated bidder, contractor, or consultant under the Project.

9. Selection Method

The Individual Consultant shall be selected on the basis of qualifications and experience, following the Open – National market approach as approved in the Procurement Plan. The selection will be based in accordance with Individual Consultant Selection method, set out in the World Bank's Procurement Regulations for IPF Borrowers (Seventh Edition, September 2025).

10. Code of Conduct and Conflict of Interest

The Consultant shall perform the assignment with the highest standards of professional integrity, impartiality and accountability, with primary consideration for the safety, dignity and well-being of school children and other users of school facilities. The Consultant shall maintain confidentiality of all school, assessment and personal information obtained during the assignment and shall not disclose or use such information for unauthorized purposes. The Consultant shall avoid any actual, potential or perceived conflict of interest and shall immediately disclose any such conflict to the Department of Education. The Consultant shall not allow personal, financial or professional interests to influence technical assessments, safety classifications or recommendations. The Consultant shall comply with applicable Government of Nepal requirements, the Project's safeguarding and ethical standards, and the

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur

Department of Education's Code of Conduct and shall sign the required Code of Conduct and Conflict of Interest declaration before commencement of the assignment.

11. Facilities and Support to be Provided by the Department of Education

The Department of Education will provide the Consultant with appropriate office space and access to relevant project documents, information and institutional resources required for effective performance of the assignment, including access to relevant EMIS facilities and systems. The Department will facilitate coordination and communication with relevant divisions, government agencies and stakeholders, and will provide or facilitate access to internet connectivity and reasonable office equipment, survey/testing devices and accessories required for the assigned tasks.

Government of Nepal
Ministry of Education and Sports
Department of Education
Sanothimi, Bhaktapur