

TERMS OF REFERENCE (TOR)

**Individual Consultant for determining the feasibility of implementation of the
Web-GIS platform**

**(AHEAD/RA3/RIC/SUSL/FOG/CON 7-
AHEAD/RA3/RIC/SUSL/FOG/CON/TOR 7)
AHEAD OPERATION, RIC GRANTS- InfoBhoomi Project (Grant No:
AHEAD/RIC/STEM/HEMS/No. 24)
Faculty of Geomatics - Sabaragamuwa University of Sri Lanka**

1. Background

1.1. About the Sector Strategy,

The development of the higher education sector is of central importance to enable Sri Lanka to make the transition from a Lower-Middle Income Country (LMIC) to an Upper Middle-Income Country (UMIC). Recognizing this, the Government of Sri Lanka (GoSL) and the World Bank have agreed to support the higher education sector through a Bank funded Accelerating Higher Education Expansion and Development (AHEAD) Operation.

1.2. Brief description of the AHEAD operation

Accelerating Higher Education Expansion and Development (AHEAD) Operation is organized into two components. The first is a Program Component that supports the national Higher Education Development Program. The second is the systems strengthening, capacity building, and technical assistance component that will assist GoSL to strengthen the higher education sector and achieve the objectives of the AHEAD program component. This second will also cover monitoring and evaluation, policy analyses, program coordination, and communication.

The implementing agency is the Ministry of education (MOE). The University Grants Commission (UGC) will coordinate the activities of the universities. There will be an Operations Monitoring and Support Team (OMST) which will coordinate and support all AHEAD activities between the MOE, UGC, and the universities.

AHEAD has three Results Areas:

Results Area 1: Increasing Enrolment in Priority Disciplines for Economic

Development Results Area 2: Improving the Quality of Higher Education

Results Area 3: Promoting Research, Development, and Innovation

The project InfoBhoomi, funded under AHEAD RIC grants, focuses on the development of localized Spatial Data Infrastructure (SDI) for supporting local governance processes. Local Government Authorities (LAs) are the primary tier of the governance system of Sri Lanka. LAs

are responsible for the administration and regulation of matters relating to public health, utility services, thoroughfares, etc. Yet, the efficient delivery of public services by LAs is hindered due to weak capacity and limited resource availability. National Policy on Local Government 1632/26, 2009 aims to facilitate the transformation of LAs to effectively lead local development contributing to achieving national goals. Local data management for evidence-based decision-making is a core aspect of this transformation.

The Faculty of Geomatics, Sabaragamuwa University of Sri Lanka (SUSL) in this context, plans to design a localized Spatial Data Infrastructure (InfoBhoomi) to integrate the local spatial databases into a single web-based environment and pilot it at the Municipality of Bandarawela. Reliable data from the local level will flow as inputs, as a result of increased capacities of data suppliers facilitated by the project to ensure the effectiveness of the new data management system. A knowledge hub set up at the SUSL with the project commercial partner, will identify options for cost-effective data service provision and service provision based on business models to be considered by the municipality and related local service providers. The GeoinfoBox (A webGIS) will facilitate necessary linkages for solution development for the local problems identified, their nature, and extent based on accurate data. Existing socially/environmentally viable solutions developed by the private sector and by NGOs/CBOs, especially those options that have track records of being used successfully elsewhere including internationally. Strengthened local data availability will also trigger R&D.

2. The objective of the Consultancy

The objective of this assignment is to determine the feasibility of implementation of the InfoBhoomi Web-GIS platform within a given Sample Area of the Case Study area.

3. Scope of the Consultancy

Determination of the feasibility of practical implementation of the InfoBhoomi Web-GIS platform within the given pilot area and thus to find the legal, technical, and social challenges in the implementation of the InforBhoomi Web-GIS platform and come up with practical solutions for the implementation of the platform for serving as an effective local land information system and governance, and determination of the possible commercialization options.

4. Key tasks and related activities

The main duties and responsibilities of the consultant will be to:

Key Task	Required Deliverable	Time frame (after signing the contract)
1. Preparation of an Inception report.	● A report on the Identification of client requirements and necessary modification of the Web-GIS platform.	At the end of 3rd week
2. Task Implementation & SWOT analysis of the implication of InfoBhoomi Web_GIS platform by data collecting and feeding within the pilot area	● Completed InforBhoomi with parcel information within a given case study (min 2000 lots) ● A report on Stakeholder meetings and SWOT analysis	At the end of 8th week
3. Implementation Strategy and commercialization through stakeholder consultations on following aspects ● Identification of the legal & policy framework of the implementation of InfoBhoomi ● Identification of the spatial data sharing options between organizations and;	Submission of report	At the end of 10th week

• The governance & Standards framework of each organization associated with InfoBhoomi functionalities		
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5. Duration of the assignment

The contract will run for 10 Weeks from the date of signing the contract.

6. Schedule of payment

Based on	Share from the total amount	Time frame
Evaluation of the progress of key task 1 ensuring completion of all deliverables up to the required standards	35%	End of the 3 th week
Submitting the deliverables of the key task 2 ensuring completion of all deliverables up to the required standards	35%	End of the 8 th week
Submitting the deliverables of the key task 3 ensuring completion of all deliverables up to the required standards	30%	End of the 10 th week

7. Required qualifications & experience

- Postgraduate qualifications in the area of Surveying/ Land Management (Surveying Science related Masters Degree)
- Over 10 years' experience as an academic and/or professional in the relevant field (field of Surveying/ Land Management)

8. Required professional competencies

- ability to carry out the key tasks effectively and efficiently
- ability to interact with senior academic and administrative staff in the university
- ability to function effectively in a team environment inspiring trust and cooperation of other team members
- ability to work efficiently, and to meet deadlines
- strong communication, negotiating skills and good interpersonal relations
- ability to speak, read and write fluent English, and assist in the production of project reports in English

9. Method of Selection

Individual Consultant - Selection on Competition

10. Reporting the Deliverables

The consultant shall closely coordinate and report to the Coordinator/ Project InfoBhoomi. In order to make payments, all the deliverables must be up to the satisfactory level of the project coordinator and team members of the InfoBhoomi project.

11. Conflict of interest

The Consultant is required to provide professional, objective, and impartial advice, at all times holding the Client's interests paramount, strictly avoiding conflicts with other assignments or its own corporate interests, and acting without any consideration for future works.

12. Ownership of the assignment

This assignment is funded by the Ministry of Education via AHEAD-OMST under the program component of AHEAD. As such, the University shall be the owner of the assignment and will reserve the Intellectual Property Rights for all deliverables of the assignment under the terms and conditions given in the IP policy of the University. The Consultant will have no right of claim to the assignment or its outputs once it is completed and no rights to use Data and Information

gathered through the assignment for other purposes without written permission from the Vice-Chancellor. Any Reports/ Data/ Information produced as a part of this assignment shall be handed over to the Client in soft and hard forms.

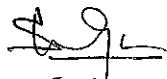
13. Confidentiality

The consultant should strictly adhere to the Confidentiality of InfoBhoomi project details including but not limited to its designs, know-how, architecture, and any information related to the project and confidentiality of stakeholder information and data obtained during the assignment and not divulge the same either directly or indirectly to any person or party.

14. Submission of Proposals

The prospective Consultants shall submit **sealed proposals in one original and a copy which includes educational and/ or professional qualifications and experience in a detailed CV and the expected consultancy fee** to the Director, Operational Technical Secretariat, AHEAD Operations, Sabaragamuwa University of Sri Lanka, Belihuloya **on or before 2.30p.m. of the 23th January 2023**

Please mark **“Consultancy for determining the feasibility of implementation of the Web-GIS platform”** in the upper left-hand corner of the envelope.



Director,
Operational Technical Secretariat
AHEAD Operations,
Sabaragamuwa University of Sri Lanka,
Belihuloya

Prof. S.K. Gunatilake
Director / OTS
AHEAD Project
Sabaragamuwa University of Sri Lanka