



REQUEST FOR PROPOSAL

For IT Consultancy Service

Background

The Government of Mongolia and the Government of Australia have partnered for the Australia Mongolia Extractives Program 2 (AMEP 2) to assist Mongolia to sustainably manage its resource-led growth. The end of program outcome of AMEP 2 is to improve the investment environment for the extractives sector in Mongolia. AMEP 2 is working towards this goal by developing partnerships with relevant government ministries and agencies, professional associations, the private sector, and civil society.

AMEP 2 is funded by the Australian Government's Department of Foreign Affairs and Trade (DFAT) and implemented by Adam Smith International (ASI). The program will be implemented until 31 March 2024.

Purpose

Adam Smith International is inviting IT companies and consultancy firms to submit a brief proposal and quotation for the activity: ***Development of a roadmap for an Inter-operational Information Platform for MMHI based on information systems operated by MRPAM and NGS.***

The objective of this consultancy is to develop a roadmap *for an Inter-operational Information Platform for Ministry of Mines and Heavy Industry (MMHI) based on information systems operated by Mineral Resource and Petroleum Authority of Mongolia (MRPAM) and National Geological Survey (NGS)* to provide the necessary steps specific to an assessment of IT-based systems and databases, their information holdings, and possible contributions for supporting the business processes. It will identify, formulate, and concretize priorities and guide the MMHI, the MRPAM, and the NGS in streamlining processes and improving internal and public data disclosure.

The aim is to develop a roadmap that will simplify, strengthen, and modernize the exchange of information through the selective web-based connection of systems, which should not be confused with a far-reaching system integration, strictly speaking understood as the physical merging of systems, which is neither feasible nor desirable as part of this activity. Therefore, the term Inter-operational Information Platform (IIP) is preferred, since it describes more precisely the approach of information systems from different domains (agencies, departments) working together (interoperate) for effective information exchange and improved collaboration (so-called *cross-domain interoperability*).

Scope of Work:

The selected entity is expected to undertake an assessment that will identify, examine, and document all relevant information systems operating or in the stage of being implemented at the MMHI, the MRPAM, the NGS, and the EITI. The scope of work will include:

1. Identify, assess, and document information systems operating at the four agencies in both technical and content-related ways.
2. Assess the MMHI's IT infrastructure with special focus on the server, security, and network components.
3. Review legislation and resolutions concerning information systems at public agencies and carve out and summarize those provisions relevant to the IIP.

4. Frame the design of an IIP for the MMHI based data provided by information systems operated by the MRPAM and the NGS and considering possible future connectivity with systems of other relevant agencies.
5. Elaborate a roadmap for developing and implementing the IIP.

Note that in parallel, a Business Process Analyst will be hired by the project to identify standard business processes at MMHI and the respective information requirements as input for the design of the IIP.

Key deliverables:

1. Detailed and refined work plan including internal staff assignments and coordinated with the Business Process Analyst
2. Report: Assessment of information systems
3. Report: Assessment of MMHI's IT infrastructure including improvement plan
4. Document: Brief overview of recent legislation in connection with information systems and data sharing and its impact on the IIP
5. Report: Design of an Inter-operational Information Platform (IIP)
6. Roadmap for an Inter-operational Information Platform (IIP) for MMHI based on data provided by information systems operated by MRPAM and NGS

Minimum Requirements:

- At least 15 years of professional experience in solution engineering, web application development, network engineering, and cybersecurity assessment
- A strong understanding and knowledge of institutional assessments in connection with the design of information systems.
- High professional ethic.
- Excellent communication skills, with the ability to explain technical concepts in layman's terms
- Ability to build and strengthen capacity and knowledge sharing with stakeholders
- Ability to work collaboratively with multiple-stakeholders and partners
- A mining related professional experience is preferable.
- Experience working with government institutions preferable
- The project lead should be fluent in English in both speaking and writing

Duration:

It is anticipated that the assignment will take place between December 2022 and May 2023.

Submission of Proposal

Please kindly send the proposal to solongo@amep.mn and myandas.narankhuu@amep.mn by **9th December 2022** in one PDF file. The proposal should include:

- A brief introduction of the entity with a list of similar assignments undertaken.
- A brief outline of the approach and plan.
- CVs of key proposed technical experts (e.g., IT Experts, other experts as required).
- Estimated cost inclusive of all taxes and fees.

For more information and a detailed Scope of Work, please contact N. Myandas, AMEP 2 Activity Manager, at myandas.narankhuu@amep.mn.