# REQUEST FOR EXPRESSIONS OF INTEREST
## (CONSULTING SERVICES - FIRMS SELECTION)

**Mongolia**
**Strengthening Transparency of Extractives Industry through EITI**
Loan No./Credit No./Grant No.: TF0B8169

**Assignment Title: Improving official statistics consistency through Enhancing E-Systems and data systemization**

**Reference No**. (as per Procurement Plan): CS-2.1.1-3

The EITI Mongolia has received financing from the World Bank toward the cost of the "**Strengthening Transparency of Extractives Industry through EITI**", and intends to apply part of the proceeds for consulting services.

The consulting services include the following upgrades and new development in the E-Reporting system of Mongolian EITI:
- Upgrading the existing E-Reporting System and integrating it with the "XYP" state information exchange system, e-mongolia identity entry system, electronic tax system, mining computer cadastre system, the system of the Ministry of Environment and Tourism, and geographic information system.
- Develop a social network-friendly dashboard that summarizes the most relevant data.
- Develop a module and API that outputs all E-Reporting template data in an open data format and Geographic Information system.

The estimated implementation period is 7 (seven) months and the expected start date of the Contract work is May 2023.

The Terms of Reference (TOR) for the primary procurement stage for the assignment are attached to this request for expressions of interest (Annex I).

The Mongolia EITI Secretariat as PIU invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The procurement method shall be performed under the Consultant's Qualifications Selection (CQS) method of World Bank Procurement Regulations (WBPR).

The assignment is as per paragraph 7.2 of the WBPR shall be evaluated by core business and years in business, relevant experience, and technical and management capability of the firm (General requirements for consulting firms in TOR). Key personnel is not evaluated. Eligibility and conflict of interest issues shall be evaluated (WBPR: 3.21-23 Eligibility).

The assessment of a firm's qualifications shall not take into consideration the qualifications of other firms such as its subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the request for bids/request for proposals document), or any other firm different from the firm that submitted the Bid/Proposal (WBPR-6.27).

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

A Consultant shall not submit more than one Proposal, either individually or as a joint venture partner in another Proposal. If a Consultant, including a joint venture partner, submits or participates in more than one Proposal, all such Proposals shall be disqualified (WBPR-3.20).

Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract if selected.

A Consultant will be selected in accordance with the Framework Agreement arrangements described in the Procurement Regulations and to be specifically set out in the Request for Proposals.

Further information can be obtained at the address below during office hours 09:00 to 17:00 hours.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by Thursday, May 4, 2023, 1:00 PM UBT.

Mongolia EITI Secretariat
Attn: S.Bolor-Erdene, IT Consultant; Sh.Tsolmon, Coordinator;
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# ANNEX I. TERMS OF REFERENCE

## Consulting services for "Improving official statistics consistency through enhancing E-Reporting systems and data systemization" (CS-2.1.1-3)

## 1. Objectives

### 1.1. Background

The Extractive Industries Transparency Initiative (EITI) is a global coalition of governments, companies, and civil society working together to improve openness and accountable management of revenues from natural resources. To increase transparency and accountability in the extractive industry, the former UK Prime Minister Tony Blair announced the EITI at the World Summit on Sustainable Development in Johannesburg, RSA in 2002. There are 57 resource-rich countries that have committed to implementing EITI. For more information, please click here to visit www.eiti.org.

What is E-Reporting system:

The Mongolia EITI's web-based E-Reporting system was launched in 2015 funded by EBRD and implemented by Adam Smith International in partnership with Interactive LLC, and around 30 kinds of information were reported by companies and government entities in this system every year since then. In accordance with the international EITI standard, system maintenance related to template form changes was developed in 2020, and upgrades related to server-based software renewal were developed in 2021 with state budget funds.
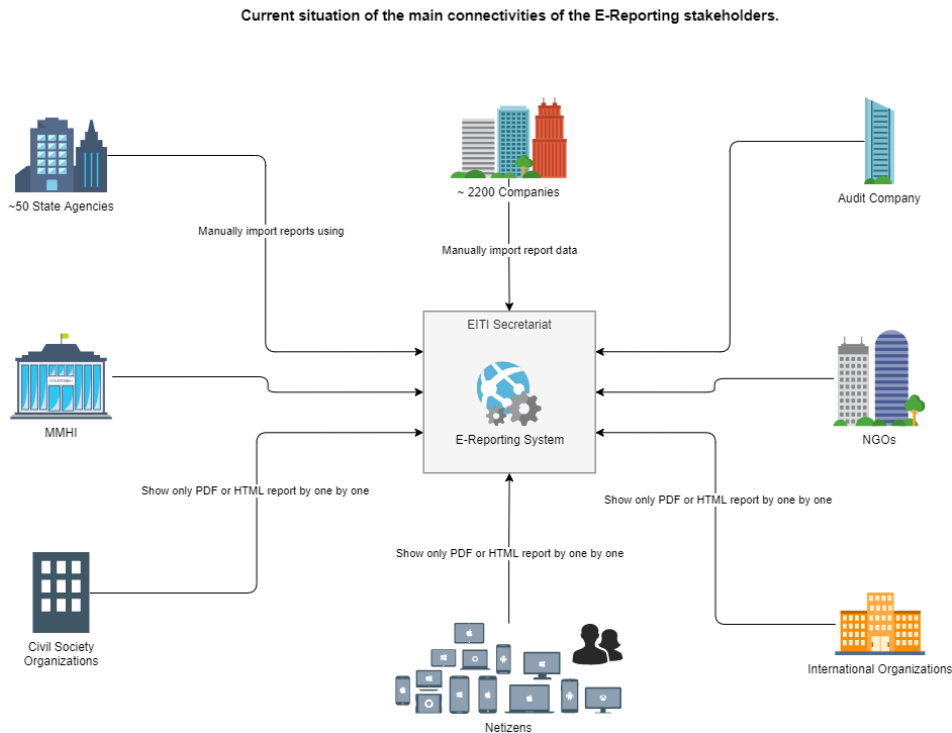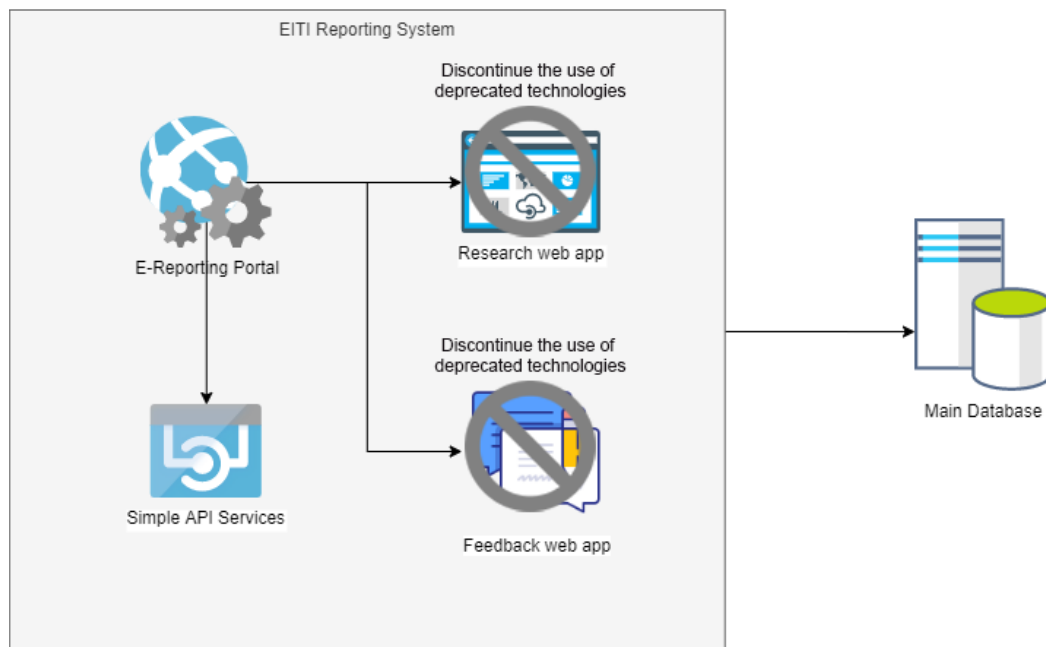


*Figure 1. E-Reporting System – Stakeholders*

## 1.2. Objectives

For the following reasons, the system required software maintenance, upgrades, the development of new modules, and the re-development of some modules:
- No service level agreement with Interactive LLC.
- Constantly maintenance service has not been performed for a long time.
- There have been a lot of issues that need to be improved related to the template form renewal.
- The source code technology of some modules is outdated due to server-side software upgrades and operating system upgrades. For example, Research and Analysis module, and the Feedback module.
- There is a demand for a module to export collected data in Open Data format and develop social network-friendly dashboards, and connectivity modules for 3rd party applications and state entities.



*Figure 2. E-Reporting System – Current situation*

## 2. Scope of work

As mentioned above, this project will include required upgrades, fixing existing bugs, redesigning necessary modules, redeveloping deprecated modules, and developing planned new modules. The scope of services includes seven activities.
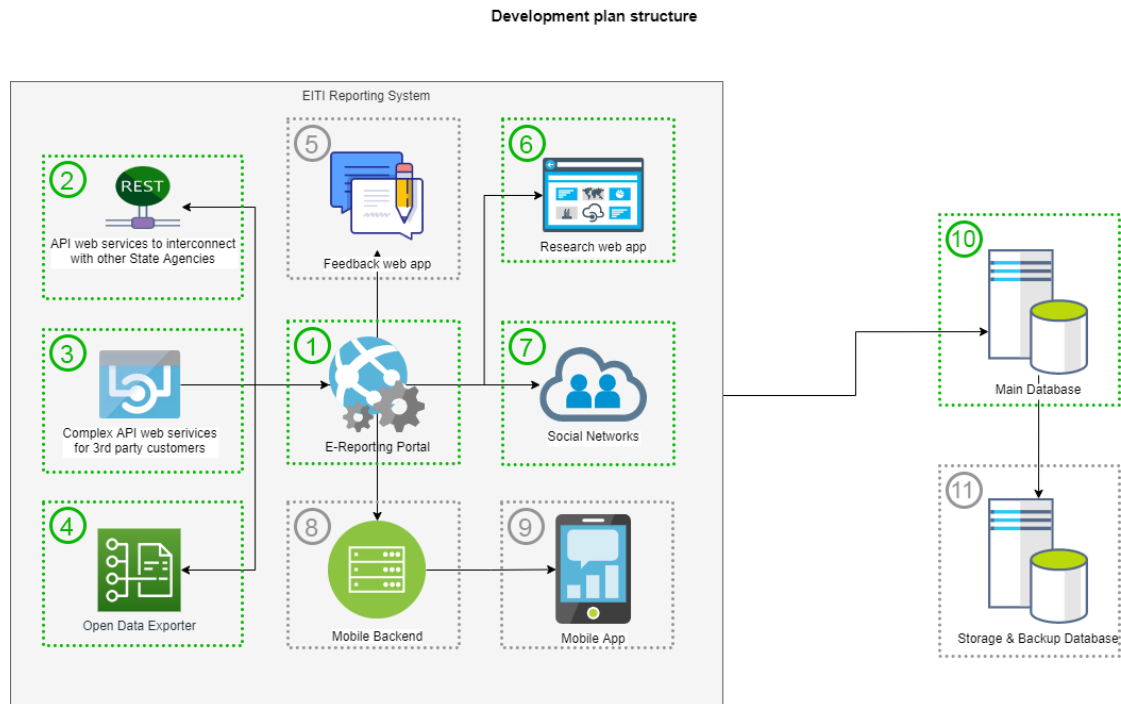


*Figure 3. Upgrading plan structure*

*The following developments that are marked in green in Figure 3 will be perform within this document:*
*1). Required upgrades to the main reporting system /Activity 1/*
*2). API module for exchanging necessary information with government agencies /Activity 2/*
*3). API module for third-party applications /Activity 3/*
*4). The module for exporting available data in an open data format /Activity 4/*
*6). Research and analysis module /Activity 5/*
*7). Social friendly infographics module /Activity 6/*
*10). Database changes /Activity 7/*

### 2.1. Tasks

#### 2.1.1. Upgrading, bug fixing, and UI/UX improvements

- Do Design Sprint for necessary sections in the presence of stakeholders before the development process.

- Develop upgrades to required modules of the E-Reporting system.

- Fix existing bugs.

#### 2.1.2. API module for exchanging necessary data with government agencies
Communicate with the required system of government agencies via a specific API. For example: connecting to the MRPAM system to automatically download license information, connecting to the Ministry of Environment and Travel's system to obtain information to obtain common minerals, getting necessary data from Geographic Information System to show these on E-Reporting system map, etc..

#### 2.1.3. API module for third-party applications
This module will make it possible for all types of data collected in the E-Reporting system to be accessed from a third-party system using API services.

### 2.1.4.  The module for exporting available data in an open data format
Export all the data collected in the E-Reporting system is exported according to each template form, as well as the data filtered by available filters in an open data format.

### 2.1.5.  Research and analysis module
Develop a new research and analysis module with the widest range of available filters (dynamic filters) for research institutions, researchers, and others interested in EITI data.

### 2.1.6.  Social friendly infographics module
Develop a new module that can be shared infographics on social media, viewed on mobile phones and tablets, and prepares and displays about 10 types of information and infographics that are of most interest to the public. Have several specific types of filters, such as date and location.

### 2.1.7.  Database changes
Develop and configure database-based changes and optimization related to the above 6 kinds of development. In particular, it automatically generates Views with precalculated information for reports and infographics.

## 3. Deliverables and Reporting

### 3.1 Deliverables
The consulting company would perform the following deliverables within 7 months of signing the contract:

#### 3.1.1. Software development and implementation
Develop software in accordance with the requirements of the Tasks defined in 2.1 section. Perform the implementation.

#### 3.1.2. User guides
Prepare user manuals for newly developed modules after the development.

#### 3.1.3. Update existing user guides
Update the old user guide for the new development.

#### 3.1.4. Documentation for the web services
Prepare online web service documents that dynamically change according to web service changes.

#### 3.1.5. Documentation for UX/UI
UX/UI design documents that prepared in Design Spring session of the software development cycle.

#### 3.1.6. The source codes
Source code updates will be submitted to the EITI Secretariat after the implementation.

### 3.2 Reporting

#### 3.2.1 Inception report
Within 14 days from the signing of the contract, a system analysis design and a detailed development plan will be prepared and presented to the EITI Secretariat.

#### 3.2.2 Progress or Interim Report
The consultant will report the progress report every month to the EITI Secretariat. The interim report will be presented to the EITI Working Group meeting 5 months after the signing of the contract. When presenting the interim report, the development of tasks 2.1.1, 2.1.2, and 2.1.3 must be completed and confirmed by the EITI Secretariat.

### 3.2.3 Final report

The final report will be presented at the EITI Working Group meeting after the software launch. When presenting the final report, the development of tasks 2.1.4, 2.1.5, 2.1.6, and 2.1.7 must be completed and confirmed by the EITI Secretariat.

## 4. Duration and Estimate of Services

The estimated implementation period is 7 (seven) months and the expected start date of the Contract work is May 2023.

| Stage | Due Date | Payments (% total) |
|---|---|---|
| Upon signing of contract. Detailed work plan agreed with the EITI Secretariat for the design and initial implementation stages. | - | 30% |
| Progress report. Detailed system analysis includes component design, database structure, application functional design and system interface. In addition, additional software and hardware requirements for system operation have been developed. The business process mapping of the system shall be submitted in BPMN and official standardized process language and format. (as an electronic file) | Three months after the contract signing | 30% |
| Preliminary test version report. This includes: System Development Report. Also, the technical environment for system operation has been adjusted and prepared. | Five months after the contract signing | 20% |
| Final report. The implementation of E-Reporting 1.5 system. These include: system model, source code, data mirror, data flow diagram, application requirements, test report summary, training report conclusion, user including manuals etc. documents. | Seven months after the contract signing | 20% |

## 5. General requirements

- No tax debt. This will be confirmed by the General Department of Taxation.
- No Social Security debt. Confirmed by the General Department of Social Insurance.
- In the last 3 years, the Criminal Law, the Anti-Corruption Law, the Law on the Prohibition of Unfair Competition, and the contractual obligations have not been violated when participating in the procurement process. This is confirmed by the definition of the General Department for the Execution of Court Decisions.
- The Consultant must demonstrate a track record of successful delivery of relevant web-based systems over the past five years;
- The Consultant must demonstrate experience in delivering such a reporting system analytical solution, database engineering, and API developments;
- The Consultant should be skilled in presenting complex technical and other issues to non-technical managers;
- It would be an advantage if the Consultant is capable and has enough human resources to re-develop whole the system within the planned period of the project, and the proposed budget is close to the project cost estimation;

Consultant proposals that do not meet the general requirements will be excluded from evaluation.

## 6. Evaluation criteria and points:

1. Experience of successfully implemented projects (ongoing) in the last five years. The official description of the organization that implemented the project, a copy of the contract, and a deed of contract must be confirmed. /Total 70 points/

    1.1 Experience in developing similar systems /40 points/:
- Number of successfully implemented similar work 10 or more: 40 points
- Number of successfully implemented similar work 7-9: 28-36 points
- Number of successfully implemented similar work 4-6: 16-24 points
- Number of successfully implemented similar work 1-3: 4-12 points
- Number of successfully implemented similar work 0: 0 point

    1.2 Equivalent to the electronic reporting system, with 2000 or more users, back-end, front-end, and complex structures such as database and reports, currently used systems apply /30 points/.
- Number of major developed systems 4 or more: 30 points
- Number of major developed systems 3: 20 points
- Number of major developed systems 2: 10 points
- Number of major developed systems 1: 5 points
- Number of major developed systems 0: 0 point

2. General experience of the consultant. Number of years of active activity in the field of software development. /Total 20 points/

    2.1 Number of years of active activity 5 or more: 20 points
    2.2 Number of years of active activity 4: 16 points
    2.3 Number of years of active activity 3: 12 points
    2.4 Number of years of active activity 2: 8 points
    2.5 Number of years of active operation 1 or less: 4 points

3. Workforce Competence (This does not apply to individual skills and CV assessment) Information applies only to key personnel. /Total 10 points/

    3.1 Operational management skills. /3 points/
- Number of employees in the management of basic operations 3 or more: 3 points
- Number of employees in the management of basic operations 2: 2 points
- Number of employees in the management of basic operations 1: 1 point

    3.2 Workforce Competence of Software Engineers. /4 points/
- Number of software engineers 5 or more: 4 points
- Number of software engineers 4: 3 points
- Number of software engineers 3: 2 points
- Number of software engineers 2: 1 point
- Number of software engineers 1: 0 point

    3.3 Competence of system administrator engineers /3 points/
- Number of system admin engineers 3 or more: 3 points
- Number of system admin engineers 2: 2 points
- Number of system admin engineers 1: 1 point
- Number of system admin engineers 0: 0 point

The minimum score required by a consultant is 80, and any consultant whose score is lower than this will be rejected.