

REQUEST FOR EXPRESSION OF INTEREST (REOI)

REOI Reference: Ref No: SOM-2024-004	Date: 25 October 2024
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Click or tap here to enter text. The International Organization for Migration (IOM) invites interested and eligible vendors to submit Expressions of Interest (EOIs) in respect of provision of the requirements described below. The purpose of the REOI is to identify vendors that wish to participate in a forthcoming solicitation process.

Description	Construction Engineering Consultancy Services in Somalia
UNSPSC code(s)	81000000
Deadline for the Submission of EOI	18 November 2024 If any doubt exists as to the time zone, refer to http://www.timeanddate.com/worldclock/ .
Content of EOI	<p>The EOI should include the following information:</p> <ul style="list-style-type: none"> Brief presentation of company including number of staff, turnover, years in business Reference list demonstrating qualifications for participating in this upcoming bidding process Contact information: full name and address, country, telephone number, e-mail address, website and contact person. <p>Note: Prices are not required at this stage.</p>
Method of Submission	<p>Expressions of interest shall be sent by email as follows:</p> <p>Email address: procurement-tenderonly@iom.int</p> <ul style="list-style-type: none"> File Format: PDF File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. All files must be free of viruses and not corrupted. Max. File Size per transmission: 25MB Mandatory subject of email: REOI-2024- Construction Engineering Consultancy Services in Somalia “Company Name” Multiple emails must be clearly identified by indicating in the subject line “email no. X of Y”, and the final “email no. Y of Y.” You should receive an email acknowledging receipt.
Contact Person for correspondence and clarifications	<p>IOM Somalia Supply Chain Unit</p> <p>E-mail address: iomsomprocurement@iom.int</p>
REOI Conditions	<p>This Request for Expression of Interest does not constitute a solicitation. IOM Somalia reserves the right to change or cancel the requirement at any time during the EOI and/or subsequent solicitation process. IOM somalia</p>

	<p>also reserves the right to require compliance with additional conditions as and when issuing the final solicitation documents. Submitting an EOI does not automatically guarantee receipt of the solicitation documents when issued. Invitations to bid or requests for proposals and any subsequent purchase order or contract will be issued in accordance with the rules and procedures of IOM. Only companies that will pass the pre-qualification will be invited to submit their proposals for the ITB that will be issued. Invitations to bid or requests for proposals and any subsequent purchase order or contract will be issued in accordance with the rules and procedures of IOM Somalia.</p>
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Scope of Work (SoW)

Construction Engineering Consultancy Services in Somalia

1. Project Brief Description

The International Organization for Migration (IOM) is seeking a qualified consultancy firm having certification or grade for designing the construction projects to provide **technical engineering services** for the **detailed-design drawings** and **soil analysis** for construction projects, as per the Scope of Service and Deliverables.

2. Scope of Service

Design and implementation of construction projects are generally divided into several phases in line with the construction project life cycle. To clearly define the responsibilities and obligations of the consultancy firm and ensure effective management, consultancy services will be required during Phases 2 and 3. The description of service requirements provided here is not exhaustive, and more detailed descriptions will be provided afterward. It is important to note that the responsibility for the design lies with the consultancy firm during both Phase 2 and 3 as following:

- 2.1. **Phase2:** Complete design package consists of geotechnical report, detailed design drawings, BOQ, Specifications, finishing table, scope of work, and detailed Time-Schedule/ Work plan using Critical Path Method (CPM).

- 1.2 **Phase3:** If during construction period, any clarification or minor alteration is required due to nature of work or contingencies and/or new requirements of IOM, the consultant will be responsible for provision of technical support such as revision of set of drawings and corresponding BoQs. Moreover, upon completion of project the consultant will be responsible to provide As-Built drawings in AutoCAD-Editable format.

The phases are as follows:

Phase	Typical required services	Outputs
Phase 1: Feasibility Study, Project Options and preliminary/concept	Development of concept-design enough to allow for a budget estimation This phase involves investigating various options to identify the most suitable solution to meet the	<ul style="list-style-type: none"> •Feasibility Study •Concept designs •Budget Estimation

<p>design (Done by IOM)</p>	<p>requirements. The process and steps will vary depending on the project's specific nature and requirements.</p> <p>Activities may include:</p> <ul style="list-style-type: none"> • Initial Site Visit, • Brainstorming and consultations to redevelop client requirements, • Preliminary concept-design including preliminary cost estimates, 	
<p>Phase 2: Detailed design and tender documents</p>	<p>Further develop the concept design into a detailed set of architectural, structural, mechanical, electrical, and HVAC drawings, suitable for the preparation of tender documents. The consultant will create all necessary documentation, including specifications, Bills of Quantities (BoQs), and cost estimates, required for tendering.</p> <p>Activities may include but not limited to:</p> <ul style="list-style-type: none"> • Geotechnical Report, • Detailed drawings for Architectural, Structural, Mechanical, Electrical and HVAC. • Preparation of specifications and scope of work as per IOM requirements, • Preparation of pricing documents (and associated construction estimates, BOQ) • Preparation of detailed work plan of Construction (Considering that Saturdays and Fridays and all public holidays are non-working days), • Preparation of vendor list for specialized items. 	<ul style="list-style-type: none"> • Geotechnical report, • Detailed design and drawings, • Specifications and scope of work • BOQ (should include everything-un priced) • General Time-Schedule • Vendor list
<p>Phase3: Implementation</p>	<p>During the construction phase, IOM engineers will supervise the work on-site. However, the consultant's input will be required for design modifications or alterations, providing specific design details and corresponding BoQs as needed during implementation.</p> <p>Preparation of the As-built drawings as per final implementation for Structural, Architectural, Mechanical, Electrical and HVAC.</p>	<ul style="list-style-type: none"> • Provide detailed-design alterations, including detailed drawings and BoQs for any changes during construction period. • Provide As-built drawings in AutoCAD file upon completion of project.

3. Detailed Description of Services

In relation to Phase 2 and 3 of the scope of work, the consultant is required to deliver the following outputs, separately for both the **New Accommodation Project** and the **New Cafeteria/Safe Bunker**.

3.1. Geotechnical Investigation

The geotechnical investigation aims to identify the type of soil, groundwater conditions, and load-bearing capacity of the site to guide the foundation design and excavation depths. The consultancy firm shall perform the following tasks.

- **Borehole Drilling:** Conduct **minimum three (3) boreholes** across the site,
- **Soil Sampling and Testing:** Collect **undisturbed** and **disturbed** soil samples from each borehole at specified intervals for laboratory testing and perform necessary soil tests, including Standard Penetration Test (SPT), grain size analysis, Atterberg limits, moisture content, shear strength, bearing capacity, and consolidation tests as per Eurocode 7 and ASTM standard
- **Groundwater Level Measurement:** Measure the groundwater level at each borehole location and provide details on groundwater fluctuations. Provide recommendations on the location as well as waterproofing and drainage solutions, especially for the septic tank construction.
- **Recommendations:** Provide geotechnical recommendations on foundation types, allowable bearing capacity, and necessary earthworks and suggest on excavation/ embankment depths/layers based on the available local material.

1.2 Site Inspections/ surveys

- Review and report on sewage (Septic Tank location),
- Review and report utilities and electrical/ grid connections and assessment the capacity of existing diesel Generators to cover new accommodation, location of Electrical Control Room, Pumping Station and also elevated water tank and reservoir.
- The Contractor shall carry out site inspection/ assessments in accordance with job instructions, however if during the assessment the contractor observes additional information that may have impact on any future construction works this shall be included in the report and client informed of the item.
- The Contractor shall liaise with the client and the relevant authority with regards to access to the site location.
- The Contractor shall submit the assessment report. This shall include details of the location (to include coordinates sketches and photos), a summary of the survey out including elements encountered and details of the observations and recommendations for the review of the areas covered.

1.3 Architectural, Structural, Electrical, Mechanical, HVAC and Civil drawings.

The consultancy firm shall be responsible for preparing a comprehensive set of design drawings in both AutoCAD format and hardcopy (two sets of A2-sized prints). These drawings must cover all aspects of the project design, including but not limited to architectural, structural, mechanical, electrical, and HVAC systems, based on the provided IOM concept design and list of required drawings. The deliverables should adhere to the following specifications:

1.1.1. AutoCAD Deliverables:

- Full set of detailed design drawings in editable AutoCAD format, including layers, dimensions, annotations, and all other relevant details to allow for seamless revisions and implementation.
- Drawings must include floor plans, elevations, sections, and detailed finishing table for all project elements.

3.3.2. Hardcopy Deliverables:

- Two complete sets of A2-sized hardcopy drawings, covering architectural, structural, electrical, mechanical, and HVAC designs.
- The drawings must be clearly printed, labelled, and scaled to ensure readability and usability during construction.

3.3.3. Project Design Requirements:

- **Architectural design:** The architectural drawings shall include detailed floor plans (Dimension plan and Furniture plan), site plans, 3D view of buildings, landscaping, elevations, and sections based on the IOM's provided concept design. The design must comply with IOM's Manual for Disability Inclusion, ensuring one accommodation unit on the ground floor is disability-friendly. Additionally, steps, staircases, and entrances must be designed with accessibility in mind, including the provision of ramps.
- **Health, Safety, Security, and Environment (HSSE):** The design must meet minimum requirements for safe escape routes from accommodation areas to the muster point (safe bunker), ensuring proper fire extinguishing systems or fire hydrants are installed according to site conditions. Evacuation routes should comply with NFPA 101 standards to ensure safe emergency egress.
- **Structural design:** Structural drawings should include detailed reinforcement details, list-offer for reinforcements, beam and column details, foundation details, and other critical load-bearing elements as per international standards such as ASCE 7, IBC, or BS codes. The preferred foundation type is a strip foundation, and the roof slab must have a minimum thickness of 20 cm, and on top having pre-detonation layer as outlined in the UNDSS Overhead Protection Manual. Minimum rebar covers shall be 7.5 cm for foundations and 5 cm for beams and columns to ensure the durability of the reinforced concrete structure in coastal environments. If needed, the effects of accidental explosions as per Unified Facilities Criteria (UFC) system should be considered in structural design and analysis.
- **Electrical design:** Electrical wiring in the building must be installed inside Polyvinyl Chloride (PVC) conduits, which are non-flammable and self-extinguishing. All wiring will be covered by finishing materials, and sockets will be embedded within walls for safety and aesthetic purposes. Earthing system, Addressable Fire-alarm system also should be considered for all buildings.
- **Mechanical, electrical, and plumbing (MEP):** The MEP systems must be fully coordinated with architectural and structural designs, ensuring no clashes or conflicts during implementation. This includes all plumbing and electrical facilities being carefully integrated into the overall building layout.

3.3.4. Detailed Work Plan (Time-Schedule)

As part of the consultancy services, the firm will be required to develop a detailed work plan using the Critical Path Method (CPM). This work plan should clearly define the project timeline, identifying key activities, dependencies, and milestones to ensure the timely

completion of the project. The Critical Path should be highlighted to identify activities that directly impact the overall project duration.

3.3.5. Compliance and Standards:

- All designs and drawings must comply with relevant international building codes and standards as mentioned in project design requirements.
- The consultancy firm must perform the design work through qualified design team (Qualified Structural, Mechanical and Electrical Engineer and Architects) certified by a relevant entity such as an Engineering Organization or any similar authority. The responsibility for the reliability of the design, as well as any faults or errors in design calculations, will rest solely with the consultancy firm.
- The consultancy firm is required to incorporate any design alterations or modifications requested by IOM during the review phase.

2. Coordination and Submission:

- The consultancy firm must coordinate closely with IOM's technical team to ensure alignment with the client requirements and incorporate them into the detailed drawings.
- Final drawings must be submitted both in soft and hardcopy formats as outlined above, with revisions incorporated as per IOM feedback.
- During Phase 3, coordination for any new design requirements will be facilitated through the IOM Engineers.

3. Facilities provided by IOM:

IOM will not provide any facilities, support personnel or logistics for this contract except for a concept design layout (in PDF) that outlines the general requirements and project objectives for IOM. This layout will serve as the foundational reference for all further design and construction work.

4. List of deliverables:

Deliverables will be as per following:

- 6.1.** Geotechnical report as per Clause 3.1 and Assessment report as per Clause 3.2
- 6.2.** Set of design drawings as per Clause 3.3 and list of required drawings and time-schedule.
- 6.3.** Set of As-built drawings and technical support as per Clause 2.2

In the table below, a list of required detailed-design drawings is provided generally categorized in two categories: Site drawings and Building Drawings. Please note that this list is not exhaustive, and additional drawings may be required based on project-specific needs and evolving requirements.

LIST OF DRAWINGS FOR SITE			
#	Field	Drawing	Remarks
A	Civil	Site Civil Drawing	Indicating the level of the project plot, road, and Existing OP landscaping level, including embankment or excavation details, soil work layers, and drainage slope for

			rainwater, rainwater channel.
B	Health, Safety, Security, and Environment (HSSE)	HSSE Drawing	-Highlighting the muster point, evacuation route, and firefighting ring for the safety and well-being of both OP and New accommodation occupants. - Escape staircases.
C	Architectural	Site Plan	-General layout showing the exact location of buildings with local coordinates (X, Y), locations of the reservoir, elevated water tank, septic tank, watchman towers, pumping station, firefighting tanks, site lighting poles, Ancillary building, substation, Electric control room. - Landscaping layout, green areas, pathways, gardens, social/recreational areas with pergolas etc. - HSE layout, showing the firefighting ring, and access path to muster point/ safe bunker
D	Structural	Site Structural Drawing	Structural details for the RC septic tank, reservoir, manholes, watchman observation towers, Elevated water tank and extension of existing steel structure balconies to the new accommodation units as per concept design.
E	Mechanical	Site MEC. DWG	Domestic water main feeding line path with manholes, firefighting network plan, sewer line network with manholes,

			and the location of fire hydrants, fire boxes, pumping station, and tanks. Irrigation system plumbing network.
F	Electrical	Site EL. DWG	Electrical conduits layout for site and building lighting poles, IP66 outdoor electrical panel locations, ICT network line conduits with manholes, site CCTV locations, public announcement system (PA) conduits and locations, and details of the grounding system, including earth pits for site and buildings.

LIST OF DRAWINGS FOR BUILDINGS			
#	Field	Buildings	Remarks
A	Architectural	BLDG. ARCH. DWG	Architectural plan (Two: one plan without dimensions just with furniture plan and interior design arrangement and the other just a plan with dimensions), two sections, two elevations, and three 3D views and finishing table for each area describing the finishing materials for the floor, wall, ceiling, etc.
B	Structural	BLDG. ST. DWG	Column arrangement plan, structural details of the foundation, beams, ceilings, and roof. List offer of rebars

			per each structural element.
C	Mechanical and HVAC	BLDG. MEC. DWG	Domestic water pipeline plan (hot and cold water), indicating the location of valves, handholes, and the main riser. Sewer line drawing including size and type of riser, firefighting lines, location of fire boxes, and connection for dry pipeline connecting to firefighting car (coupling). Fire sprinkler locations should also be included.
D	Electrical	BLDG. EL. DWG	Lighting fixture plan, location of the electrical distribution panel (including specification details of each panel, fuse types, etc.), CCTV cabling plan, fire alarm plan (location of smoke and heat detectors), cabling for TV from antenna or satellite, location of earth pit (grounding system), and location of the main electrical panel with panel details all with technical specifications.

5. Qualification of Service provider

The Consulting firm would be a registered and recognized engineering consulting firm with a minimum of 10 years' experience in providing similar services.

- At least 5 years' experience handling similar projects in Mogadishu,
- Having required permits/ licenses/ clearance to work as an engineering firm in region.
- Availability of technical experts covered in the scope of works as part of its core team.

The Consulting Company/Firm will mobilize an experienced core team comprised of an Architect, Civil Engineer, Electrical Engineer, Structural Engineer, Land surveyor and a Draughtsman with the following minimum qualifications and work experience.

i. Architect

General Qualifications:

- Bachelor’s degree in architecture from a reputable engineering university, and
- Excellent computer skills (e.g. MS Office and AutoCAD computer software programs).

General Professional Experience:

- At least 7 years of professional experience in Designing and Drawings.

ii. Civil/Structure Engineer

General Qualifications:

- Bachelor’s degree in Structural Engineering from a reputable engineering university, and
- Excellent computer skills (e.g. Etabs, Safe , MS Office and AutoCAD computer software programs).

General Professional Experience:

- At least 7 years of professional experience in mechanical/structural engineering including the design of HVAC (heating, ventilation, air-conditioning) systems.

iii. Electrical and Mechanical Engineers

General Qualifications:

- Bachelor’s degree in Electrical/Mechanical Engineering from a reputable engineering university, and
- Excellent computer skills (e.g. MS Access, AutoCAD computer software programs).

General Professional Experience:

- At least 7 years of professional experience in Electrical, Mechanical design works.
- engineering including the design of HVAC (heating, ventilation, air-conditioning) systems.

V. Quantity Surveyor

General Qualifications:

- Bachelor’s degree in quantity surveying from a reputable engineering university.
- Excellent computer skills (e.g. MS Office and AutoCAD computer software programs).

General Professional Experience

- At least 7 years of professional experience in Quantity Surveying

vi) Draughtsman/ Technician

General Qualifications:

- Higher National Diploma in the relevant field

General Professional Experience

- 7 years of professional experience in the relevant field

The Consultancy firm is required to have all or some of the core team members available for assignments during the contract period. Experts are supposed to work together on an assignment to achieve the results.

Cross cutting work experience for the core team.

- 5 years’ Experience working in complex environments and large infrastructure and/or civil works, particularly in the field of construction
- 5 years’ experience in Project documentation development as well as construction supervision,
- Registered with a professional engineering board, and
- Fluency in both oral and written English.

Company Details

Registered Vendor Name*: _____

Tax Organization Type*: Choose an item. _____

Supplier Type*: Choose an item. _____

Company Web Site: _____

Tax Country*: Choose an item. _____

Taxpayer ID/Tax Registration No*: _____

Products and/or Services: Choose an item. _____

Additional Information

UNGM No.: _____

UNPP No.: _____

Is your Entity Women Owned?: Choose an item. _____

Is your Entity Disability Inclusive?: Choose an item. _____

Commitment to Antiracism: Choose an item. _____

Does your entity agrees with UN Supplier Code of Conduct: Choose an item. _____

Is the Bank Account Certificate added as attachment?: Choose an item. _____

Address*

Street Name and House No. _____

ZIP/Postal Code* _____

City* _____

Region* _____

Country* Choose an item. _____

Contact Information for communications

First Name*: _____

Last Name*: _____

Job Title: _____

Email*: _____

IMPORTANT

All fields marked with * are mandatory.
 The form will be returned if mandatory field/s is/are empty
 The Vendor Name should match ID or registration documents

Other Contacts

First Name*: _____

Last Name*: _____

Job Title: _____

Email*: _____

Will this person have a role in Wave? Choose an item. _____

If yes, what will be that role? Choose an item. _____

First Name*: _____

Last Name*: _____

Job Title: _____

Email*: _____

Will this person have a role in Wave? Choose an item. _____

If yes, what will be that role? Choose an item. _____

I hereby certify that the information above are true and correct. I am also authorizing IOM to validate all claims with concerned authorities.

SPEND AUTHORIZED SUPPLIER INFORMATION SHEET

Printed Name*: _____

Signature*: _____

Job Title _____

Date _____

	List of attachments
<input type="checkbox"/>	Taxpayer ID/Tax registration number certificate.
<input type="checkbox"/>	Business License
<input type="checkbox"/>	Id. of the owner
<input type="checkbox"/>	Signed UN Supplier Code of Conduct
<input type="checkbox"/>	Proof of women ownership share of the company
<input type="checkbox"/>	Evidence of commitment to anti-racism
<input type="checkbox"/>	Evidence of entity's disability inclusive policy
<input type="checkbox"/>	Other: _____

PLEASE, FILL IN THE CONTACT INFORMATION ONLY IF IT NEEDS TO BE UPDATED IN THE SUPPLIER PROFILE

Contact Information

Supplier Details

Supplier's Name*: _____
 Supplier Number*: _____

Payment Details

Payment Method*: Bank transfer
 Check**
 Cash**
 Others**: _____

IMPORTANT
 All fields marked with * are mandatory.
 The form will be returned if mandatory field/s is/are empty
 The Vendor Name should match ID or registration documents

**If a Non-Bank Payment Method was selected, please provide justification: _____

Bank Details* (This information is mandatory if payment method is via Bank Transfer)

Bank Name* _____
 Address _____
 City* _____
 Postal Code _____
 Country* _____
 Bank Account Name* _____
 Account Currency _____
 Bank Account Number _____

NOTES
 Payment currency must be clearly indicated to avoid delays and additional bank charges

 If the company has multiple bank accounts, indicate the default account this form and add an extra sheet with full information of other accounts

Swift Code/BIC (outside U.S.A.)	_____
IBAN Number	_____
Clearing Number (Switzerland)	_____
ABA No. for ACH (U.S.A.)	_____

Fill only the code that corresponds to your location*

First Name: _____
 Last Name: _____
 Job Title: _____
 Email*: _____

Will this person have a role in Wave? Choose an item.
 If yes, what will be that role? Choose an item.

First Name: _____

Last Name: _____
 Job Title: _____
 Email*: _____

Will this person have a role in Wave? Choose an item.
 If yes, what will be that role? Choose an item.

I hereby certify that the information above are true and correct. I am also authorizing IOM to validate all claims with concerned authorities.

Printed Name*: _____
 Signature*: _____
 Job Title _____
 Date _____

List of attachments	
<input type="checkbox"/>	Bank Account Certificate
<input type="checkbox"/>	Declaration of Conformity was signed in solicitation documents
<input type="checkbox"/>	Other: _____