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## REQUEST FOR EXPRESSIONS OF INTEREST PRE-QUALIFICATION OF CONSTRUCTION CONTRACTORS

<b>Project Description:</b>	Construction of organic waste composting station in Baskinta, Matn District.
<b>Purpose of this EOI:</b>	Pre-qualification of Construction Contractors
<b>Project:</b>	Diverting Waste by Encouraging Reuse and Recycling (DAWERR)
<b>Funding Agency:</b>	U.S. Agency for International Development (USAID Lebanon)
<b>Deadline for submitting questions:</b>	January 12, 2023
<b>Deadline for submitting expressions of interest:</b>	January 30, 2023
<b>Reference Number:</b>	DAWERR-2023-EOI-1

### **A. Purpose of this Request for EOIs**

ECODIT Beirut LLC (*henceforth ECODIT*) is soliciting expressions of interest and submission of pre-qualification data (*Phase 1*) from qualified Bidders/Construction Contractors for the construction of an organic waste composting station, including land preparation works, in Baskinta, Matn District - see Attachment A. A Technical Evaluation Committee (TEC) formed by ECODIT will evaluate all Expressions of Interest (EOIs) received and short-list up to three bidders/contractors based on the eligibility for pre-qualification and the evaluation factors described in this request for EOIs. Subsequently, ECODIT will issue a separate Request for Quote (RFQ; *Phase 2*) to all short-listed contractors, inviting them to submit detailed quotes in response to final tender documents for that town. The TEC will evaluate the offers received based on the evaluation criteria that will be listed in the RFQ and select one contractor for the construction works in Baskinta.

## **B. Background**

ECODIT is implementing the USAID Diverting Waste by Encouraging Reuse and Recycling (DAWERR) Activity (2020-2025), which aims to improve the social, environmental and economic well-being of the Lebanese citizens through establishing sustainable and replicable integrated solid waste diversion and valorization solutions in rural areas of Lebanon.

DAWERR has the following three objectives:

1. Build the capacity and commitment of municipalities to provide improved SWM services either directly or indirectly;
2. Empower communities to sort at the source and participate actively in various stages of the Recycling Value Chains (RVCs); and
3. Develop successful business models that create green economic opportunities and generate net incomes along the value chains.

DAWERR is developing sustainable composting value chains for organic waste and strengthening existing RVCs for recyclable materials in four pilot municipalities, including Baskinta, and will support replication of the successful pilots in additional municipalities across Lebanon. In addition, DAWERR will develop integrated solid waste management solutions in three unions or clusters of municipalities.

## **C. Scope of Work for the Construction Works**

This Request for Expressions of Interest, and the subsequent RFQ, concern the construction works for the composting station in the pilot municipality of Baskinta. DAWERR will support Baskinta Municipality and its local community to develop sustainable composting value chain for organic waste, including source separation, collection, and composting of organic waste through the construction of small-scale, low-tech, low-cost composting station, creating local demand for the compost produced for agricultural, landscaping, or other uses as soil conditioner/fertilizer supplement.

In Baskinta, DAWERR is planning to install a Container Composter that will be fabricated separately by another contractor, who will bring the container composter to the site and install it after the construction works have been completed. Exhibit 1 outlines the scope of works (SOW) for the municipality, the construction contractor, and other DAWERR contractors to complete the construction of the composting station in Baskinta. The Construction Contractor will be expected to take possession of the site and begin construction, noting that the municipality and other DAWERR contractors will contribute to construction works as detailed in Exhibit 1.

**EXHIBIT 1. INDICATIVE CONSTRUCTION WORKS TO BE COMPLETED BY THE CONSTRUCTION CONTRACTOR AND OTHER ENTITIES IN BASKINTA**

<b>Construction SOW</b> <b>Implementing Entity</b>	<b>Baskinta Composting Station</b>
Municipality	<ul style="list-style-type: none"> <li>• Topographic surveys during the project implementation, where needed.</li> <li>• Upgrading the access road leading to the project's site as per DAWERR engineering design.</li> <li>• Bulk excavation works, cut &amp; fill and the land preparation following the designs and specification provided by DAWERR civil engineer.</li> <li>• Construction of the retaining walls and the slope stability of the project area.</li> <li>• Planting trees all around the project's fence.</li> </ul>
<b>Construction Contractor</b>	<ul style="list-style-type: none"> <li>• Earth works and foundation excavations</li> <li>• Reinforced concrete works including blinding concrete, foundations, tie beams, channels and pits, slab on grade, etc.</li> <li>• Steel works for the two open sides hangars including painting and finishes as per the Engineer's drawings and specifications.</li> <li>• Steel works for the steel fence, the project's gates, etc.</li> <li>• Electrical installation including power, lighting and low current, networks, etc.</li> <li>• Mechanical installation including drainage and water supply networks, etc.</li> <li>• Landscaping works including the asphaltting of the external yards, etc.</li> </ul>
Other DAWERR Contractors	<ul style="list-style-type: none"> <li>• Fabrication (offsite) and installation (onsite) of four container composter 40' with all related equipment.</li> <li>• Installation of one screening machine to screen the compost produced.</li> <li>• One prefabricated concierge room including a toilet and one kitchenette as shown in the drawings.</li> <li>• Supply of a wastewater treatment unit.</li> </ul>

*Total estimated cost for the construction contractor's SOW for the composting station is in the range of \$80,000 - \$160,000. Actual costs will depend on the final design and specs for the works to be completed at that town. In the RFQ, ECODIT will provide more details on the scope of work and needed submissions (work schedule, detailed quotes, etc.) from the short-listed contractors. ECODIT will arrange site visits by interested prospective bidders.*

#### **D. Eligibility to Pre-Qualify**

To be eligible to submit an EOI in response to this Request for EOIs and be considered for pre-qualification, a construction contractor must:

1. Be classified in the second category and above of buildings and public works classification at the Ministry of Public Works and Transport<sup>1</sup>, and provide a proof of such classification;
2. Be registered in the Commercial Registry with a valid registration, and provide a copy of registration showing validity through September 30, 2023 or beyond;
3. Be registered with the Directorate of Value Added Tax (VAT) and provide a copy of the certificate of registration;
4. Operate a non-bankrupt business and provide (1) a non-bankruptcy statement issued by the competent bankruptcy court, and (2) a statement of the Bidder that he/she is not under judicial liquidation, issued by the Commercial Court; both statements should be dated no more than six months before the deadline for submitting the EOI;
5. Have a Professional Liability Insurance Policy with coverage for at least \$500,000 for any one claim and \$1,000,000 in the aggregate and provide a copy of it, or provide a signed Commitment letter to obtain such insurance prior to contract execution;
6. Provide a signed Commitment letter to obtain a Contractor's All Risk (CAR) insurance policy, Contractor General Liability Insurance policy, Workers' Compensation Insurance (all-in-one or separate policies) prior to contract execution ; and
7. Have implemented at least one similar project worth at least \$100,000 successfully in the past three years and provide relevant supporting documentation.

#### **E. Instructions for Preparing and Submitting Questions and Expressions of Interest**

##### ***Questions***

All interested bidders are encouraged to submit questions by email to the attention of Mrs. Carla Hammoud ([chammoud@dawerr.org](mailto:chammoud@dawerr.org)) with a copy to Mr. Jad Sakr ([jsakr@dawerr.org](mailto:jsakr@dawerr.org)) by the deadline included on page one and Section G of this document. ECODIT will compile all questions and provide answers in an updated Request for EOIs that will also be posted on Daleel Madani and ECODIT website as per timeline included in Section G.

##### ***Expressions of Interest***

To be considered for the short list, interested bidders must provide the information requested in Section D (Eligibility to Pre-Qualify) and in Attachment A, and email the information together with a cover letter, to the attention of Mrs. Carla Hammoud ([chammoud@dawerr.org](mailto:chammoud@dawerr.org)) with a copy to Mr. Jad Sakr ([jsakr@dawerr.org](mailto:jsakr@dawerr.org)) by the deadline included on page 1 and Section G of this

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<sup>1</sup> تصنيف فئة ثانية وما فوق من تصنيف مباني وأشغال عامة

document, and submit **hard copies** at ECODIT office, to the attention of Mrs. Carla Hammoud, at the following address:

*Mrs. Carla Hammoud*  
Supply Chain and Grants Specialist  
USAID-funded DAWERR Activity  
ECODIT Beirut LLC  
Sarkis Building, 6th floor  
Zalka, Lebanon  
T: 81-397595

The cover letter shall be signed by a person duly authorized to sign on behalf of the contractor in which the contractor expresses its desire to participate in the tender, acknowledges that he/she has studied the documents of the tender file, and expresses its willingness to adhere precisely and faithfully to all its conditions.

Expressions of Interest must be received at the above address by no later **than Monday January 30, 2023, no later than 5:00 PM Beirut time**. Expressions of Interest or any supporting pre-qualification documents received after this deadline will not be accepted. No phone or email inquiries about this Request for EOIs will be accepted. ECODIT will post this Request for EOIs and future updates on the Daleel Madani website under the Call for Tenders page.

All Expressions of Interest submitted by Bidders in response to this Request for EOIs will be treated as confidential documents, but any hard copies will not be returned. Each Bidder will bear all costs and expenses associated with the preparation and submittal of the pre-qualification package, including the provision of any Supplemental Information that may be requested. If a Bidder knowingly makes a misrepresentation in submitting information to ECODIT, such misrepresentation may be sufficient ground for denying prequalification to that Bidder, rescinding the Bidder's prequalification, rejecting a Bidder or rescinding an award of a Subcontract or terminating the Subcontract itself.

#### **F. Evaluation Factors for Pre-Qualifying Bidders**

The TEC will evaluate all EOIs received against the factors listed in the table below, which mirror the instructions for preparing expressions of interest contained in Attachment A. The TEC then will rank all EOIs according to the total score received and short list the top-ranking bidders that receive a total technical score of 70 or more.

<b>EOI Evaluation Factors (based on Attachment A)</b>	<b>Score (points)</b>
Overall capabilities and qualifications of the Bidder	20
Project references and past performance	15
Key personnel	15
Method Statement	20
Unit Price Breakdown	30
<b>Total Score</b>	<b>100 points</b>

## **G. Conflict of Interest**

ECODIT reserves the right to investigate an application due to any real or perceived conflict of interest. In the event that ECODIT determines that conflict of interest exists, ECODIT may disqualify an application or terminate the subcontract.

### Definition of conflict of interest:

- (1) the contractor is unable or potentially unable to render impartial assistance or advice;
- (2) the contractor's objectivity in performing the contract is or might be impaired;
- (3) the contractor may receive an unfair competitive advantage;
- (4) the contractor may have a financial or other personal interest which would or potentially would impair his/her objectivity and/or from which he/she would improperly benefit.

Further discussion of OCIs may be found in [FAR 9.5, Organizational and Consultant Conflicts of Interest](#).

## **H. Procurement Timeline**

ECODIT will issue the RFQ for Baskinta only after it receives the necessary permits and approvals for the construction works envisioned in that town -i.e., environmental approvals, establishment permit, and construction permit. ECODIT has already received the environmental approvals and has applied for the establishment permit for this project, which once issued ECODIT will apply for the construction permit. ECODIT is also in the process of finalizing the design and tender documents for the construction works of Baskinta composting station.

Subject to obtaining all approvals/permits and finalizing all necessary documents, the tentative timeline for the procurement of services for the construction of Baskinta organic waste composting station, is approximately as follows:

January 5, 2023	Request for EOIs issued and advertised on Daleel Madan and ECODIT Website
January 12, 2023	Deadline for submitting Questions
January 16, 2023	Updated Request for EOIs, including Questions and Answers, posted on Daleel Madani and ECODIT website
Jan 30, 2023	Deadline for receiving EOIs from interested bidders (no later than 5:00 pm Beirut time)
February 10, 2023*	Short-listed bidders selected, and notifications sent by email to bidders that were not short listed
March 31, 2023*	Baskinta RFQ sent to short-listed bidders

April 7, 2023*	Deadline for short-listed bidders to submit detailed Quotes for Baskinta
April 14, 2023*	Selection of Construction Contractor and issuing subcontract for the construction of Baskinta organic waste composting station (to be implemented over a 4-month period)

*\*Tentative dates*

## **I. Disclaimer**

ECODIT reserves the right to change or cancel the procurement at any time during the EOI and/or follow-on solicitation process. ECODIT also reserves the right to require compliance with additional conditions when issuing the RFQ. Responding to this Request for EOIs does not automatically guarantee receipt of the solicitation documents when issued. Invitations to bid or requests for quotes and any subsequent purchase order or contract will be issued in accordance with the rules and procedures of USAID and ECODIT.

### **Notes:**

- (1) ECODIT Beirut LLC is exempt from paying VAT under license number EFF/2021/64 issued by the Ministry of Finance on 06/29/2020.*
- (2) During implementation and following every payment request submitted by the construction contractor, ECODIT will review and issue a payment verification report. Based on the payment verification report, and unless the Contractor can provide a performance bond and a retention bond, ECODIT will pay to the construction contractor the amount invoiced and approved after deducting 15% as retention. ECODIT will release two-thirds of the retention (or 10% of the total amounts invoiced and approved) upon completion of works and keep the remaining one-third (or 5% of the total amounts invoiced and approved) as financial guarantee during the defect liability period (12 months).*

**Attachment A**  
**Information to be Provided as Part of Expression of Interest**

**Contact details**

**Name of Bidder:**

**Address:**

**Name and position of  
person authorized to  
negotiate a contract award:**

**Telephone number:**

**Email address:**

Please respond to the following:

**1. Overall Capabilities and Qualifications of the Bidder**

Provide an overview description of the Bidder (1 page), to include at least the following elements:

- Years of operation in Lebanon, the Middle East, or elsewhere;
- Size of firm and resources available, including number of full-time staff, equipment available to implement the scope of work;
- Combined value of projects executed in the past three years;
- General approach to and track record in quality and safety assurance for construction projects implemented in Lebanon, the Middle East, or elsewhere;
- Experience working on US federal or state government clients, including USAID funded projects;
- URL link to your firm's website; and
- Off-the-shelf corporate brochures and marketing materials, if any.

**2. Project References / Past Performance**

Provide detailed information on up to five (5) relevant projects undertaken by the Bidder, preferably as the prime contractor, in the last five years that demonstrate experience and track record in implementing similar Projects to the construction works proposed under this Request for EOIs, including projects implemented with USAID funding. For each project reference, provide the following information (1 page max per project):



- Project name;
- Client name;
- Contact person information (*contact person would also serve as a reference*);
- Contract value;
- Contract number;
- Period of performance;
- Place of performance (municipalities, etc.);
- Description of construction works provided.

In addition, please provide a Certificate of Completion (preferable) or equivalent for each project.

### **3. Key Personnel**

Submit the curriculum vitae (CVs, up to two pages each) for up to three Key Personnel (for example, Site Manager, Construction Manager, and Quality Assurance/Quality Control (QA/QC) Manager) that the Bidder intends to propose for implementing the Construction Works in response to the RFQs, if pre-qualified.

### **4. Method Statement**

Please provide a narrative describing an illustrative Method Statement as per the various sections of the below outline. Please provide photos from previous projects implemented by the bidder showing safety measures applied, equipment used, work in progress, etc.

#### Method Statement Outline

##### **A. Site Access**

##### **B. Protection of Other works**

##### **C. Health and Safety Plan**

##### **D. QA/QC Protocol including implementation method**

##### **E. Workplan**

- A tentative timeline for completing the Construction Works detailed in section H below
- Capability for executing several types of Construction Works in parallel (based on the preliminary design drawings included in Attachment B)

##### **F. Mobilization**

- Equipment required on each site
- Staff and Equipment's Productivity
- Materials data sheets

##### **G. Material procurement and storage**

## **H. Construction Works**

### **H.1 Electrical installation**

- Scope
- Method for:
  - Power supply installation.
  - Lighting installation.
  - Lightening system.
  - Trenches and manholes.
  - Lightning and earthing.
  - Panel boards.
- Group of labors required
- Reference documents
- Description of sequence
- Testing
- Machineries and tools
- Safety

### **H.2 Mechanical installation.**

- Scope
- Method for:
  - Drainage and rainwater
  - Water supply
  - Trenches and manholes
  - Air conditioning
  - Firefighting
- Group of labors required
- Reference documents.
- Testing
- Machineries and tools
- Safety

### **H.3 Excavation & Earth Works.**

- Scope
- Method
- Group of labors required
- Reference documents
- Machineries and tools
- Safety

### **H.4 Filling - backfilling & Base coarse**

- Scope
- Method for spreading and compacting backfilling and base coarse layers
- Group of labors required
- Reference documents

- Machineries and tools
- Safety

#### **H.5 Reinforced concrete**

- Scope
- Method for:
  - Cleaning the site and removing and disposing of surplus materials to approved dumping area
  - Plain concrete works
  - Reinforcement Concrete Footings
  - Breaking into pipes and Installation of valves, fittings, and accessories
  - Reinforcement Concrete walls and columns
  - Reinforcement Concrete slab on grade and tie beams
  - Reinforcement Concrete slabs, beams
  - Concrete Curing
  - Concrete repairing
  - Water proofing to all concrete surfaces in contact with soil where required
- Group of labors required
- Reference documents
- Testing
- Machineries and tools
- Safety

#### **H.6 Steel Works:**

- Scope
- Method for installation of:
  - Steel structure for hangars
  - Steel fence
  - Steel gate
  - Steel doors
- Group of labors required
- Reference documents
- Testing
- Machineries and tools
- Safety

#### **H.7 Finishing works**

- Scope
- Method for:
  - Mansory works
  - Plastering works
  - Tilling works
  - Painting works
  - Doors and windows

- Group of labors required
- Reference documents
- Machineries and tools
- Safety

#### **H.8 Landscaping**

- Scope
- Method for:
  - Asphaltting
- Group of labors required
- Machineries and tools
- Reference documents
- Safety

#### **I. Substantial Completion**

#### **J. Handing Over**

- Testing & Commissioning including description of minor and major work component.
- Snag list.

### **5. Breakdown per Unit Cost for Civil and Architectural Works**

Please provide realistic and accurate breakdown per unit cost for the civil and architectural items as shown below and in the excel document attached here.



DAWERR - UNIT  
PRICES BREAK DOWN

See also Attachments B and C of this document for reference.

*Note: Any difference in unit cost proposed by shortlisted bidders at the RFQ stage will need to be justified.*

## CIVIL ITEMS

### A Site Construction:

Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
<b>A1</b>	<p><b><u>Sub-Base and Base Courses:</u></b>                      Preparation including excavation for fine tuning and compaction to required density of sub-grade layer complete including supplying and placing suitable materials as specified and where required, and compaction to required density, then supplying, distributing, spreading, leveling and compacting to required density aggregate sub-base and base courses, all to be done as specified, shown on the drawings and to the satisfaction of the Engineer.                      Aggregate base course, 200 mm thick after compaction to required density under slab on grade, and 2 layers of 250mm under foundations as shown in the design drawings.</p>									
<b>A1.1</b>	<b><u>Sub-Base and Base Course layer under the asphalted areas.</u></b>	m2	1							
<b>A1.2</b>	<b><u>Sub-Base and Base Course layer under the slab on grade.</u></b>	m2	1							

## B CONCRETE AND REINFORCED CONCRETE WORKS:

Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
B1	<p><b><u>Cast-in-place reinforced concrete:</u></b>                      Cast in place ready mix reinforced concrete (Type II, 30 MPa on Cylinder) using moderate sulphate resistant cement to ASTM C150, type II, 30 MPa on Cylinder (38 MPa on Cube), complete including formwork of any type and any shape, polyethylene sheet (0.25 mm thick) where required, <b>steel bar reinforcement ratio 90Kg/m3</b>, accessories, construction joints, waterstops to each casting edge if applicable, inserts for openings, sleeves, two cross coats of approved bituminous cold applied waterproofing paint to all concrete surfaces in contact with soil where required, etc., and all other related works, all as specified, shown on the drawings and to the satisfaction of the Engineer.</p>									
B1.2	<b>Foundations, any type (isolated &amp; Strip) and any thickness.</b>	m3	1							
B2	<p><b><u>Cast-in-place reinforced concrete:</u></b>                      Cast-in-place reinforced concrete (Type II, 30 MPa on Cylinder) ready mix using moderate sulphate resistant cement to ASTM C150, type II, 30 MPa on Cylinder (38 MPa on Cube), complete including formwork of any type and any shape, <b>steel bar reinforcement one layer of T12 @ 20cm both ways</b> , accessories, construction joints, waterstops to each casting edge if applicable, inserts for openings, sleeves, two cross coats of approved bituminous cold applied waterproofing paint to all concrete surfaces in contact with soil where required, etc., and all other related works, all as specified, shown on drawings and to the satisfaction of the Engineer.</p>									
B2.1	<b>Slabs on grade, 150 mm thick.</b>	m2	1							

<b>C Steel Works :</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
C1	<p><b><u>Steel Fence works:</u></b>            Providing and installing a fence of galvanized steel mesh, size 5 cm * 5 cm thickness 4 mm, height 1.5 m, fixed and welded on steel columns measuring 6 x 6 cm and connected with a HSS60x30x3 mm from the top and bottom with all the necessary welding and painting for the steel according to the specifications &amp; the engineer's instructions.</p>	L.m.	1							

<b>D ASPHALT</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
D1	<p><b>Asphalting works including:</b></p> <ul style="list-style-type: none"> <li>- Curing the compacted mix at least 24 hours.</li> <li>- Prime coating the cured mix in advance to place the new asphalt concrete,</li> <li>- Placing one layer of asphalt concrete (7cm thick loose lift), and Well-compacting the asphalt concrete (5cm thick-compacted to a minimum of 98%).</li> </ul> <p>The asphalt concrete shall be protected against traffic during the compaction, and, until the surface temperature of the asphalt concrete is dropped down to 60 Centigrade Celsius. Wearing course of asphalt-concrete (Maximum and Nominal Maximum Aggregate Sizes are 19.05mm and 12.7mm, respectively):</p> <ul style="list-style-type: none"> <li>• Bitumen Grade = 40/50,</li> <li>• Marshall Stability at 60oC &gt;= 950Kg and Flow: 2 - 3.5mm,</li> <li>• Percent Air Voids (Pa) = 3 - 5%,</li> <li>• Percent Voids in the Mineral Aggregate (VMA) &gt; 14,</li> <li>• Percent of Voids Filled with Asphalt (VFA) = 65 – 75,</li> <li>• Optimum Bitumen Content in Total Mix (Pb) = 4.5 – 5.5%,</li> <li>• Bulk Specific Gravity of Compacted Mix (Gmb) &gt;= 2.3gr/cm3, and</li> <li>• Mineral Filler to Bitumen Ratio = 0.8 – 1.2.</li> </ul>									
D1.1	<b>Asphalting the external yard.</b>	m2	1							



## ARCHITECTURAL ITEMS

### A MASONRY WORKS

Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
<b>A1</b>	<p><b><u>Concrete Masonry Unit:</u></b>                      Hollow and/or solid concrete blocks supplied, installed, bedded and jointed with cement sand mortar mix (1:3), complete including all necessary <b><u>reinforced concrete stiffening columns, tie beams, lintels, jambs and sills, connections between steel columns and masonry walls</u></b> for masonry, reinforcements, dowels, stainless steel head restraints, mineral wool, sealant, all necessary galvanized steel wire mesh, accessories, steel angles and supports for masonry infills, and all other related works, all as specified, shown on the drawings and approved shop drawings, and to the satisfaction of the Engineer.</p> <p><b>Notes:</b>                      - <i>The Contractor shall submit to the Engineer for approval all necessary shop drawings of proposed construction details including all necessary stiffening columns and tie beams for masonry, and including lintel, jambs and sill detail for each opening whether it is shown on drawings or not.</i>                      - <i>Masonry walls shall comply with 1997 Uniform Building Code requirements as concerns resistance to seismic forces, and shall have at least the descriptions stated in the Technical Specifications and the details shown on the Drawings.</i></p>									
<b>A1.1</b>	<b><u>100 mm thick walls in hollow concrete blocks:</u></b>	m2	1							
<b>A1.2</b>	<b><u>200 mm thick walls in hollow concrete blocks:</u></b>	m2	1							

<b>B FINISHES 1/2</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
<b>B1</b>	<p><b>Portland Cement Plaster:</b>            Prepare surfaces and apply one dash coat (Rasheh) and cement sand plaster to the following surfaces, complete including all necessary wire mesh metal lath, metal corners for the openings of the internal wood doors, angles and accessories for the intersection between the steel column and the plastered wall, glass fibers, approved waterproofing admixtures for external plaster and where indicated, plaster stopper, and all other related works, all as specified, shown on the drawings and to the satisfaction of the Engineer.</p>									
<b>B1.1</b>	Plaster to internal masonry walls and reinforced concrete columns.	m2	1							
<b>B2</b>	<p><b>Waterproof External Finishing Render:</b>            Prepare the surface, remove all dust or any loose particle, brush off any efflorescence, then apply one coat of external finishing render monocouche Pierre Liquide from Weber and Broutin or equivalent approved, complete including all necessary <b>plastering (using cement sand plaster to external surfaces, (1:4) mix ratio, 20mm thick)</b>, primer, providing adequate scaffolding and work surfaces to enable work to be carried out under good conditions, all necessary accessories, color and tone as selected by the Engineer, angle beads to match render color, and all other related works, all as specified, shown on the drawings, and to the satisfaction of the Engineer.</p>									
<b>B2.1</b>	External Plaster + Waterproof external finishing render monocouche, of approved color, to façade surfaces.	m2	1							

<b>B FINISHES 2/2</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
B3	<p><b><u>Alkyd/Oil Solvent Based Enamel Paint:</u></b>            Prepare surfaces, supply materials and apply one under coat, two coats of putty and two finishing coats of an approved alkyd/oil solvent based enamel paint to the following surfaces, complete all as specified, shown on the drawings, and to the satisfaction of the Engineer.</p>									
B3.1	<p><b>Alkyd/oil solvent based enamel paint:</b>            to all internal plastered walls in reception and carbon material storage rooms, the curing area, the mezzanine as specified on the design drawings.</p>	m2	1							
B4	<p><b><u>Washable Acrylic Vinyl Copolymer Emulsion Paint</u></b>            Prepare surfaces, supply materials and apply one under coat, three coats of putty and two finishing coats of an approved washable acrylic vinyl copolymer emulsion paint to the following surfaces, complete all as specified, shown on the drawings, and to the satisfaction of the Engineer.</p>									
B 4.1	<p>Washable acrylic vinyl copolymer emulsion paint, of approved type &amp; color, to internal plastered walls.</p>	m2	1							

<b>C Tile</b>										
<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Material</b>	<b>Labor</b>	<b>Equip.</b>	<b>Sub-contractor</b>	<b>Total direct cost</b>	<b>OH &amp; Profit</b>	<b>Unit Cost without VAT</b>
<b>C1</b>	<b>Ceramic Floor &amp; Walls Tile:</b> Approved first quality ceramic floor tiles, supplied, laid, bedded and jointed in cement sand mortar (1:3) including sand bed, and pointed with white or colored cement mortar with waterproofing admixtures, complete all as specified, shown on the drawings and to the satisfaction of the Engineer.									
<b>C1.1</b>	<b>Ceramic Floor Tile:</b> Heavy duty anti-slip full body (plein masse) ceramic floor tiles, of approved type, dark grey color, matt finish, size 600 x 600 mm, 8 mm thick.	m2	1							
<b>C1.2</b>	<b>Ceramic Wall Tiles:</b> Approved first quality ceramic wall tiles, of approved type, light grey color, matt finish, size 300 x 300 mm, 8 mm thick.	m2	1							



<b>D Doors &amp; windows 1/2</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
D1	<b>Overhead Coiling Strip Doors:</b> Supply and install the following galvanized steel rolling shutter strip doors, electrically operated complete including all necessary frames, supports, anchors, guides, roller shaft counterbalance, accessories, ironmongery, sealants, safety edge, overhead cover box, electrical operating components, control station, motors, controls, keys, automation system, operating hardware, connections, testing and commissioning, and all other related works, all as specified, shown on drawings and to the satisfaction of the Engineer.									
D1.1	Steel door MD04: electrically operated coiling strip doors, opening size 3500mm wide x 2620 mm high.	Nb	1							
<b>D Doors &amp; windows 2/2</b>										
Item	Description	Unit	Quantity	Material	Labor	Equip.	Sub-contractor	Total direct cost	OH & Profit	Unit Cost without VAT
D2	<b>Aluminum Doors and Windows:</b> Supply and install the following double glazed aluminum doors, windows Sidem 2000 Or equivalent, panels (color as selected by Engineer) complete including frames, sub-frames, galvanized reinforced steel for frames, transoms, sills, type Saint Gobain or similar approved, intumescent strips, anchors, fixing devices, accessories, hardware, ironmongery, gaskets, sealants, using 6 mm thick clear toughened glass, 12 mm thick void, and 6 mm thick clear toughened glass (6-12-6), mosquito nets, steel protection, natural stone tiles 3cm thick all around the window frame, and all other related works, all as specified, shown on the drawings and to the satisfaction of the Engineer.									
D2.1	Window WAL 01 with steel protection : double glazed aluminum windows, double leaf,sliding,steel protection, sliding mosquito net, tiles th 3cm all around the window frame, overall opening size 1400 x 1200 mm high.	Nb	1							
D2.2	Door DAL01: aluminum door,single leaf, overall opening size 90 x 210 mm high.	Nb	1							

**Attachment B - Preliminary Design Drawings of the Project**

**Attachment C - QA/QC Procedures**

<b>Submission</b>	<b>Frequency</b>	<b>Prepared by</b>	<b>Validated by</b>	<b>Approved by</b>	<b>Contract</b>	<b>Record Reference</b>
<b>Project organizational chart</b>	Contract award/ Beginning of the project	Local Development Lead	Construction manager	Chief of Party	LDL will prepare the project organizational chart and will specify the human resources needed to develop the project.  The Organizational chart will be adapted to every Project under DAWERR	Project Organizational chart
<b>Mobilization</b>						
<b>Mobilization Plan (including Schedule)</b>	Beginning of the project	Contractor	Site supervisor/ Field Coordinator	Construction manager	As per contract requirements	Document submittal <b>DS Form</b>
<b>Submittals</b>						
<b>Material submittal*</b>	As per schedule	Contractor	Site supervisor/ Field Coordinator	Construction manager/ Other Engineering Specialists	As per contract requirements	Material Submittal <b>MS Form</b>

Submission	Frequency	Prepared by	Validated by	Approved by	Contract	Record Reference
<b>Shop Drawing submittal*</b>	As per schedule	Contractor	Site supervisor/ Field Coordinator	Construction manager/ Specialist	As per contract requirements	Shop drawing submittal <b>SDS Form</b>
<b>As-Built Submittal*</b>	End of the project	Contractor	Site supervisor/ Field Coordinator	Construction manager/ Specialist	As per contract requirements	As built submittal <b>AsBS Form</b>
<b>Documents Submittal*</b>	As per schedule/ End of the project	Contractor	Site supervisor/ Field Coordinator	Construction manager/ Specialist	As per contract requirements	Documents submittal <b>DS Form</b>
<b>Site operations &amp; reports</b>						
<b>Work plan</b>	Beginning of the project	Contractor	Site supervisor/ Field Coordinator	Construction manager	As per contract requirement	Documents submittal <b>DS Form</b>
<b>Method Statement</b>	Beginning of the project	Contractor	Engineering Specialists	Construction manager	As per contract requirement	Documents submittal <b>DS Form</b>
<b>Kick Off Meeting</b>	Beginning of the project	Site supervisor/ Field Coordinator		Attendees	After the site meeting the Site supervisor will issue the minutes of meeting and will share it with all concerned parties at the end of the meeting for approval.	Minutes of Meeting <b>MOM Kick Of Form</b>



Submission	Frequency	Prepared by	Validated by	Approved by	Contract	Record Reference
<b>Minutes of Meeting</b>	As needed	Site supervisor/ Field Coordinator		Attendees	After each site meeting the Site supervisor will issue the minutes of meeting and will share it with all concerned parties at the end of the meeting for approval.	Minutes of Meeting <b>MOM Form</b>
<b>Site visit report</b>	As needed	Field Coordinator/ Environmental officer (ECODIT Liban)/ DAWERR engineer/ USAID A&E firm	-	-	Each party visiting the site will prepare a site visit report and will share it with other parties. Comments will be included in the MOM of the next meeting for follow up.	-
<b>QA / QC</b>						
<b>Inspection Request (IR)</b>	As needed	Contractor	Site supervisor/ Field Coordinator	Engineering Specialist	As per contract requirements	Inspection Request <b>IR Form</b>
<b>Non-conformity report (NCR)</b>	As needed	Site supervisor/ Field Coordinator	Engineering Specialist	Construction manager	As needed	NCR
<b>Modifications/Changes</b>						

Submission	Frequency	Prepared by	Validated by	Approved by	Contract	Record Reference
<b>Claims</b>	When needed	Contractor	Engineering Specialist/ Manager	Chief of Party	As per contract requirement	Letter (External Document)
<b>Request for Extension of time</b>	When needed	Contractor	Engineering Specialist/ Manager	Chief of Party	As per contract requirement	Letter for extension of time (External Document)
<b>Payments</b>						
<b>Quantity surveying preparation</b>	When needed	Contractor	Engineering Specialist	Construction manager	As per contract requirement	Bill of Quantity and associated quality control reports on billed items
<b>Request for payment review</b>	When needed	Engineering Specialist	Construction manager, then Supply Chain and Grants Specialist	Chief of Party	Submitted quantities are checked by Engineering Specialist(s), corrected as needed, and forwarded to the Construction Manager. The Supply Chain and Grants Specialist then validates quantities, unit rates, multiplications and totals.	Bill of Quantity and associated quality control reports on billed items

Submission	Frequency	Prepared by	Validated by	Approved by	Contract	Record Reference
					COP provides final approval of the above and of payment in order to be forwarded to accounting/finance for payment processing.	
<b>Interim payment log/Summary</b>	When needed	Procurement Officer	Supply Chains and Grants Specialist	Finance Manager and COP	As per contract requirement	Interim payment log
<b>Handing over/Final acceptance</b>						
<b>Request for provisional handing over</b>	When construction works are completed	Contractor	Site supervisor/ Field coordinator	Construction manager	As per contract requirement	External Letter for provisional handing over
<b>Provisional Handing Over</b>	When needed	Site supervisor/ Field coordinator	Engineering specialists	Construction manager	As per contract requirement	<b>MOM - Handing Over form + Punch List</b>
<b>Request for final handing over</b>	After snag Lists clearance	Contractor	Construction manager	Chief of Party	As per contract requirement	External - Letter for final handing over
<b>Final Handing Over</b>	End of the project	Site supervisor	Construction manager	Chief of Party	As per contract requirement	<b>MOM - Handing Over form + Snag List</b>