SIZ100-12-R-0056

**Attachment #3**

**STATEMENT OF WORK**

**CONTRACT DOCUMENTS**
For

# 2012 Repair West End Power Plant Retaining Wall

# U.S. EMBASSY BAGHDAD, IRAQ

22 July 2012

Statement of Work

Specification Sections
01521 Construction Safety and Occupational Health
03300 Cast in Place Concrete
09220 Portland Cement Plaster

**STATEMENT of WORK**

# GENERAL CONSTRUCTION SERVICES

# 2012 Repair West End Power Plant Retaining Wall

**U.S. EMBASSY**
**BAGHDAD, IRAQ**

22 July 2012

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Attachments:

Specification Sections
01521 Construction Safety and Occupational Health
03300 Cast in Place Concrete
09220 Portland Cement Plaster

# 1. Project Description

## 1.1 Project Synopsis

A. Exterior front door of the West End Power Plant does not have a FE/BR rating. The project provides extension of front retaining wall to bring the facility entrance to be protected for IDF blast.

## 1.2 BACKGROUND

A. West End Power Plant building has 12" thick concrete walls which provide protection against IDF attacks. However, the front door of the building does not. The front entrance, therefore, is venerable to the IDF attack.

## 1.3 SOLUTION

A. Provide extension of concrete retaining wall to shield the non-rated entrance door at the West End Power Plant.

2. GENERAL CONDITIONS

2.1 Fixed-Price Proposal. The Contractor shall provide one fixed-priced Proposal for the complete Project that includes every aspect of the Work.

2.2 Specifications.

A. The Work shall be governed by the latest edition of the following:
   1. Attached specification sections
   2. United States Department of State Overseas Buildings Operations New Embassy Compound, Baghdad, Iraq Master Specifications
   3. International Building Code
   4. International Mechanical Code
   5. International Plumbing Code
   6. National Electric Code

B. Should there be a discrepancy between any of the items noted above, the more stringent shall govern.

C. The Contractor is responsible for compliance with all Building Codes; Work not in compliance with the Codes shall be deemed to be unacceptable.

2.3 Execution. The Work shall be executed in a diligent and workmanlike manner in accordance with the negotiated fixed-price, this Scope of Work, the Project Schedule, Codes and references noted above, and the laws of the City of Baghdad.

2.4 Work Hours. Unless otherwise agreed with Facilities Management, the Work shall be executed during normal Embassy work hours. Night, weekend or holiday work shall not be permitted except as arranged in advance with Facilities Management. Embassy holiday schedule is available from Facilities Management.

2.5 Safety.

A. The Contractor shall be responsible for conducting the work in a manner that ensures the safety of residents, employees and visitors to the Embassy, and the Contractor's employees.

B. The Contractor is required to comply with the Construction Safety and Occupational Health Regulations of OBO Specification Section 01521 and the US Army Corps of

Engineers Safety and Health requirements Manual. (EM385).

2.6 Workforce.

A. The contractor shall provide all supervision, skilled and unskilled labor needed to perform the work. The Contractor shall provide all skilled and unskilled labor needed to perform the Work.

B. In order to comply with the Embassy's minimum escort ratio requirement of one (1) escort to four (4) workers, the Contractor will have on his staff an employee(s) with an RSO vetted "Escort" Badge.

C. If the Contractor has no staff with an Escort Badge the Contractor will have 10 days from award to submit the required paperwork. The RSO vetting process could take up to 30 days and must be shown on the Contractors Project Schedule.

D. Information for all non-badged staff must be submitted to the COR for processing to allow the workers access to the NEC. This list must be resubmitted every 30 days or when modified.

E. If escorts are needed prior to being vetted by the RSO the Contractor may submit a request to the COR for government furnished escorts. The COR will schedule temporary escorts ONLY if they are available and the request must be submitted at least 48 hours in advance of the preferred date.

2.7 Subcontractors. Contractor shall be responsible for the conduct and workmanship of Subcontractors engaged in the Project, and for Subcontractors compliance with the terms of this Statement of Work. The Contractor is responsible for the behavior and workmanship of Subcontractors while on Embassy property.

2.8 Modification to Contract. The Contractor shall not incur any costs beyond those described in this SOW unless directed otherwise in writing by the Contracting Officer. Any work performed by the Contractor beyond this SOW without written direction from the Contracting Officer will be at the Contractor's own risk and at no cost to the Embassy.

2.9 Stop Work. At any time during the Project, the Contracting Officer reserves the right to Stop Work for protection of

employees or visitors, security, or any other reason at his/her discretion.

2.10 Construction Cost Breakdown. The Government provided "Construction Cost Breakdown" is for bid comparison only, and the contractor is responsible to field measure and to quantify the required materials and tasks as to complete the job.

2.11 Submittals. The contractor is responsible to submit shop drawings prior to fabrication and release of any materials for the FAC Engineer's review and approval. The Engineer's review, however, does not relieve of the contractor's responsibility for the engineering work as to provide a complete working system.

2.12 Excavation and Utilities. The contractor is responsible to locate all existing utility lines prior to any excavation. Prior to disconnecting any existing utility services, the contractor is responsible to provide 48-hour advance notice to the COR.

2.13 Close-out. Prior to final acceptance, the contractor is to submit to the Engineer marked up drawings (As-Builts) reflecting the work as constructed. The drawings shall be digitally submitted on a CD-ROM in both AutoCAD and PDF format.

2.14 Housekeeping. The contractor is responsible to clean up daily after working hours. The Contractor is also responsible for Final Cleaning of the area, ready for use by the Government.

3. BID FORM - CONSTRUCTION COST BREAKDOWN

| No | Descriptions | Unit | Qty | Unit Price /IQD | Total Price /IQD |
|---|---|---|---|---|---|
| 1 | Administration | | | | |
| A | Mobilization / Demobilization | LS | 1 | | |
| B | Submittals – product data & shop drawings | LS | 1 | | |
| | Administration | | | Sub-Total | |
| 2 | Construction Work | | | | |
| A | Concrete retaining wall extension | LS | 1 | | |
| B | Close-out | LS | 1 | | |
| | | | | | |
| | Construction | | | Sub-Total | |
| 3 | DBA Insurance | | | | |
| A | Contractor shall cover each of its workers at the site with DBA Workers' Compensation coverage, and require its subcontractors to do the same. Contractor must furnish certificate evidencing this coverage to Engineer prior to starting work. | LS | 1 | | |
| | DBA Insurance | | | Sub-Total | |
| | Items 1 thru 3 | | | Sub-Total | |
| | | | | G & A | |
| | | | | Sub-Total | |
| | | | | Profit | |
| 4 | Basic Bid - | | | Contract Cost | |
| | | | | | |
| | | | | | |
| A | Bid - | | | Contract Cost/IQD | |

# 4. SCOPE OF WORK

## 4.1 General Requirements

A. The Contractor is to provide all labor, logistics, equipment and material for the Work requested based on the attached and referenced drawings and specifications, and the specific instructions noted in this Statement of Work.

B. Comments below supplement the referenced specifications and are to be incorporated into the Work. If there are any conflicts, the most stringent standard applies.

C. Except as noted, within 5 days of Notice to Proceed, the contractor shall provide to the COR a project schedule showing start to completion.

D. Except as noted, within 10 days of NTP, the Contractor shall provide to the COR details of the proposed installation utilizing written description or sketches or both.

E. The contractor is responsible to dispose of the construction debris outside of the IZ. Include, but not limited to soils, rock excavation, packing materials, scrap steel, and debris generated by project.

F. The contractor is responsible to properly layout and prepare for the installation based on locations provided by FAC.

G. When pursuing the work, the contractor is to take extra care as not to damage existing structure.

H. All construction work shall be in conformance with the following Codes:

1. International Building Code, 2009 Edition plus the 2011 OBO International Code Supplement (ISC).
2. International Mechanical Code, 2009 Edition plus the 2011 OBO International Code Supplement (ISC).
3. International Fire Code, 2009 Edition plus the 2011 OBO International Code Supplement (ISC).
4. National Electric Code, 2011 Edition plus the 2012 OBO International Code Supplement (ISC).
5. National Fire Protection Association, NFPA 101, NECA 1-2010 Standard Practice of Good Workmanship in Electrical Construction (ANSI), NFPA 33, National Electrical Safety Code, and NFPA13.

## 4.2 Specification

A. All work is to comply with the attached specifications. If work items are not specified, the applicable standard

specifications noted above will apply. FAC will provide applicable specification sections to the contractor on request.

4.3 Construction Work

A. Provide extension of front entrance retaining wall.
B. The length of retaining wall is at 995cm.
C. The top elevation of the extended retaining wall shall be 40cm above the power plant entrance door.
D. The concrete wall extension shall not be less than 20cm thick.
E. Provide 22mm vertical rebar dowel 30cm deep at 20cm O.C.
F. Provide form work as necessary to install the retaining wall extension.
G. The contractor shall only use 30MPa 28-day compressive strength, sulphate resisting cement Type 5 with one layer of 16mm reinforcing steel both direction at 300m O.C.
H. All concrete shall be from a batch plant. No hand mix concrete shall be allowed for this project.
I. Provide matching stucco finish with metal edging.

4.4 Closeout

A. At completion of work, the Contractor shall clean any impacted areas to a condition equal to original condition.
B. All shipping materials and construction debris are to be disposed of in a legal manner outside of the IZ.
C. Prior to Final Acceptance the Contractor shall submit to the Contracting Officer Representative marked up drawings (As-Builts) reflecting the work as constructed. The drawings shall be digitally submitted on a CD-ROM in both AutoCAD and PDF format.

5. **DELIVERABLES—SEE SECTION E9.**
6. **PROJECT SCHEDULE-RESERVED**

7. RESPONSIBILITIES AND PROJECT MANAGEMENT

7.1 COR. A Contracting Officers Representative (COR) will be assigned to ensure quality assurance goals are met. The Contractor shall provide the COR access to the site at all times.

7.2 Point of Contact (POC). The COR shall be the main point of contact for this Project. The Contractor shall report to the COR on (a) status of the Project, (b) changes in Schedule, (c) accidents and safety issues, (d) disruptions to elevator or utility services; and all other important information pertaining to the Project

7.3 English Speaking Representative. The Contractor shall provide an English-speaking representative on-site during all working hours with the authority to make all decisions on behalf of the Contractor and subcontractors.

7.4 Management Personnel. The Contractor shall staff the site, full-time, with a competent senior manager who shall perform project management. Remote project management is not an option. This individual shall keep a detailed photographic and written history of the project and shall update the Government weekly.

7.5 Site Security. The Contractor is responsible for on-site security as necessary to ensure no unauthorized access to their work sites. The Contractor is 100% responsible for securing their working materials and equipment. Any damage to facilities or infrastructure, which happens due to a lack of security, will be the responsibility of the Contractor to correct.

7.6 Contractor's Temporary Work Center. The Contractor will be permitted to use a designated area within the contract limits for operation of his construction equipment and office if warranted. If directed by the Contracting Officer, the Contractor shall not receive additional compensation to relocate his operations. The Contractor is responsible for obtaining any required additional mobilization area above that designated. On completion of the contract, all facilities shall be removed from the mobilization area within 5 days of

final acceptance by the Contractor and shall be disposed of in accordance with applicable host government laws and regulations. The site shall be cleared of construction debris and other materials and the area restored to its final grade. The Contractor is responsible for maintaining this area in a clear orderly manner.

7.7 Health and Safety.

A. The Contractor shall be solely responsible for risk assessments, managing health, and safety issues associated with this project. The Contractor must provide cold water to all workers at the job sites. Based on hazard assessments, Contractors shall provide or afford each affected employee personal protective equipment (PPE) that will protect the employee from hazards. At a minimum PPE shall consist of eye protection, hard hats, and closed toe shoes.

B. If the workers arrive on-site with sandals or athletic shoes, the Contractor is expected to provide rubber boots to them or send them home. All construction workers and management personnel must wear hard hats at all times on the construction sites. Contractor provided rubber boots and rubber gloves shall be worn when working around concrete placement. Other PPE such as gloves, dust masks, air respirators (sewage work) are also recommended. These items must be provided at the Contractor's expense. Workers may use discretion if they feel unsafe in using the equipment in a hostile environment. Any worker at an elevated location above 4 meters, with the exception of a portable ladder, must be provided and utilize a safety harness.

C. The Contractor must adhere to the Construction Safety and Occupational Health Regulations of OBO Specification Section 01521.

7.8 The Contractor must adhere to OSHA 3120, Control of Hazardous Energy (Lockout/Tagout)

7.9 Confined Spaces.

A. Work conducted in confined spaces must have a written permit issued by the POSHO. Confined space is any area limited in dimension or ventilation with restricted means of entry or exit. Identify with the COR

any spaces which may be subject to permit.

B. Permit-required confined spaces include sewers, electrical vaults, utility tunnels, sump pits, mechanical rooms, tanks, pits, excavations deeper than 1200 mm, as well as other types of enclosures. Any space that is accessed by lifting a manhole cover is a permit-required confined space. COR will provide forms for the permit. Contractor is responsible to identify activity in confined space and to apply for the POSHO permit prior to initiating work.

7.10 Progress Payments. If the contract awarded expects to receive more than one (1) progress payment, the Contractor must submit a broken out Cost Proposal with a Schedule of Values in order to properly calculate the percentage of contract completion.