

Scope of Work (SOW)
Generator Enclosure Renovation Project
At the U.S. Embassy, Amman

OVERVIEW:

The United States Government (USG), Department of State (DOS), has a requirement to demolish the generator enclosure walls located inside the US embassy compound Amman-JORDAN leaving 1 m of the existing wall height and anti-climb fence on top (See Attachments).

The USG requires a cost estimate from a qualified contractor to provide a design and execute the proposed modifications described herein.

INTENT

Requirements in this SOW serve as a guideline to the Contractor for the renovation of the generator enclosure located in the U.S. Embassy compound outside the facilities service annex to make it an anti-climb room. The Contractor shall perform all services in accordance with 2013 OBO Design Standards.

PROJECT DESCRIPTION

Evidence of failure of the generator enclosure walls, including but not limited to, cracks, excessive settlement, and other localized damage of the generator enclosure walls have been observed. The instability of these walls presents a safety hazard with regard to the generator operation and maintenance (see attachment A).

SITE VISIT

The contractor must acquaint himself with the existing conditions and take these conditions into consideration when preparing his bid. Lack of knowledge relative to the existing site conditions will not be allowed as basis for compensation. The contractor shall develop and prepare construction documents and scope of work for the execution of all work based on field measurements and observations made during the site visit. The contractor shall be responsible for field verification of all measurements in connection with the generator enclosure layout. The contractor shall furnish, at his own expense, all material, stakes, templates, platforms, equipment, tools, and labor required to layout any part of the work. Before proceeding with the layout of actual work, the contractor shall verify layout information shown on the drawings in relation to the existing property survey and existing benchmarks or buildings. As work proceeds, check every element for space, installation, line and level. The contractor shall immediately report any problem to the **Contracting Officer Representative (COR)**, and shall not continue the work until such problems are resolved.

SCOPE OF WORK

Design Phase:

1. Contractor shall develop site design proposal for COR review and approval.
2. Contractor shall obtain the COR's approval on the proposed design.

Build Phase:

Contractor shall provide all necessary materials, tools, services, labor, skills and techniques to complete the work described below as per US Embassy standards and to the COR's satisfaction.

1. Contractor shall Remove the mechanically installed stone cladding and dispose it of approved dumping areas outside the embassy compound.
2. Contractor shall remove wall fixtures (Lights, electrical panels, etc.) prior to any demo works.
3. Contractor shall remove steel gates and store them in the embassy storage for reuse.
4. Contractor shall demolish concrete walls surrounding the generator leaving 1 meter of the existing walls, taking all possible care to protect the generator.
5. Contractor shall expose the foundation and evaluate the subgrade conditions with the COR and determine corrective actions –if any- that will be applied to the foundation for approval. The contractor shall bid accordingly.
6. Contractor shall use existing stone cladding, otherwise contractor shall supply approved stone cladding and mechanically fastened with approved steel anchors.
7. Contractor shall finish and paint the interior of the room with approved materials.
8. Contractor shall install steel gates back in place.
9. Contractor shall supply and install approved external lights and reinstall electrical panel.

10. Contractor shall repair damages to the stone walkway leading to generator room.

List of Submittals

1. Prior to the commencement of work the contractor shall submit detailed shop drawings showing reinforcing details, including steel to be used for the fence, primer paint, color codes.
2. Prior to the placement of any material the contractor shall be responsible for inspecting the subgrade for suitable bearing. Record of the finding shall be approved by the COR.

General

1. The contractor work shall comply with 2013 OBO Design Standards.
2. The contractor shall rectify any damage to all areas on completion of the works.
3. The contractor shall supply all materials, tools and labor to execute the work
4. Contractor shall provide all materials required to complete the job.
5. All waste material shall be taken from site and disposed of by the contractor
6. Contractor shall sustain cleanliness of work site throughout the completion of work
7. Contractor shall execute all tasks with professional and quality manner.
8. All documentation regarding warranties, guarantees and instructional literature are to be handed to the COR prior to demobilization
9. Contractor personnel shall be escorted at all times during the project.
10. All care must be taken to maintain safety and to isolate work site from its surroundings.
11. Any variations are to be priced and approved in writing by COR before Proceeding with the work.
12. All measurements are to be confirmed by the contractor on site.
13. Contractor shall provide a detailed work schedule.

14. Contractor is responsible for protecting existing generator at all times, any damages to the generator is the contractor's responsibility.

WORKING HOURS

Working hours will be from 8:00- 18:00 Sunday to Thursday, Other times shall be approved by the COR.

SITE PREPARATION AND CLEANING UP

The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. Before completing the work, the Contractor shall remove the work and premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of the Government. Unsightly materials and debris including excess soil, garbage, and equipment should be removed as required; while materials should be scheduled for delivery only as required for immediate use.

GUARANTEE

The contractor shall submit a **Two-year** guarantee against defects of materials or workmanship (including the cracks repair). Upon notification of such defects within the guarantee period, the contractor shall make the necessary repairs and replacements in timely manner at his/her costs to the satisfaction of the COR.

Performance period of time:

The works should be completed on site within (30 days) starting the date determined in the Notice to Proceed letter and upon the COR's notification.

Construction Safety Regulations At the U.S. Embassy, Amman

OVERVIEW:

Monitoring of Post Managed construction projects for safety, health and environmental management rests on the POSHO (Post Occupational Safety and Health Officer) and/or Assistant POSHO who will review the site for health and safety plan, coordinate with the contractor for implementing the plan, and inspect the construction site to verify the contractor's safety and health plan is being fully implemented. If the POSHO and/or APOSHO observes any violations of the contractor's safety and health plan, he/she have the authority to stop the work until appropriate control measures are in place. The contractor will be responsible to report any mishap to the POSHO and/or APOSHO. The contractor shall complete the official the Department of State mishap reporting forms provided by the POSHO and/or APOSHO.

PURPOSE:

The intent of this Scope of Work is to inform contractors of their general responsibilities for post managed construction projects. Safety regulations and standards in this SOW serve as a guideline to the Contractor for follow when working on the intended construction project. Construction activities rank high in accident rate occupations. With introduction of simple safety measures, many construction mishaps may be avoided or the impact greatly reduced.

SCOPE OF WORK

- Per [15 FAM 935](#), contractors must provide their employees with a safe and healthful condition of employment.
- The contractor shall follow the [CONTRACTORS' GENERAL RESPONSIBILITIES](#)
- Contractor shall provide a comprehensive safety plan when bidding for construction project Scope of Work that will be reviewed by the POSHO and/or APOSHO.
- The Contractor shall attend a safety briefing with the POSHO and/or APOSHO to review the contractor's safety plan before mobilizing to execute the project.
- The contractor shall ensure proper safety; health and environmental requirements of the US Corps of Engineers- Safety and Health Requirements Manuel [EM 385-1-1](#), applicable to their project are followed.
- The contractor shall **provide** all required personal protective equipment (PPE) for all the workers on site, and shall **enforce** the use of the appropriate gear for specific hazards.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

The contractors shall be briefed in the initial safety briefing on Post's PPE standards and their responsibilities while performing work at post.

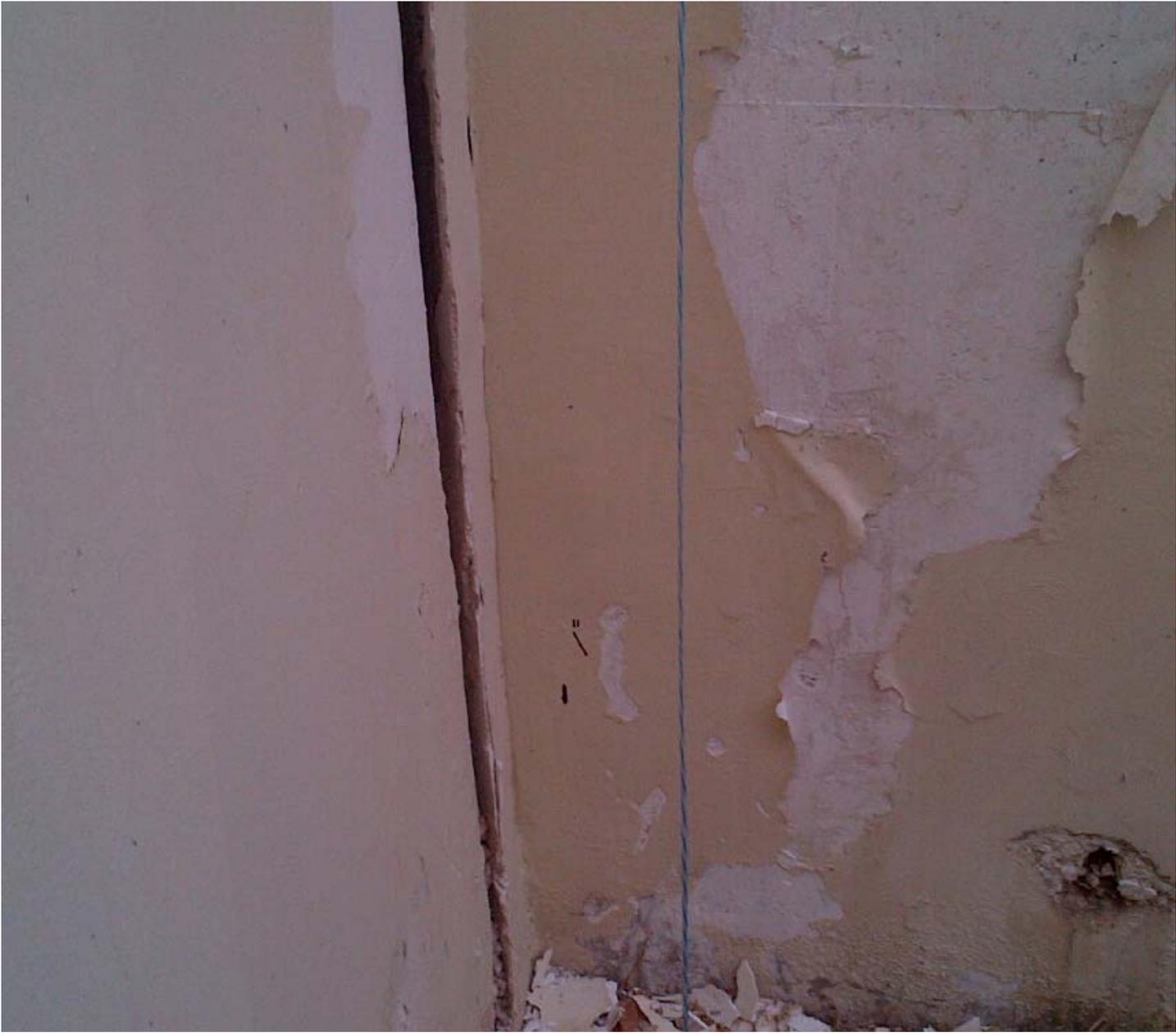
- Protective equipment for eyes, face, head, and extremities, protective clothing that includes safety shoes, respiratory devices, and protective shields and barriers, shall be used wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact.
- Each affected employee shall use appropriate eye or face protection when exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.
- Each affected employee shall use appropriate respiratory protection when potentially exposed to air contaminated with harmful dusts, fogs, fumes, mists, gases, smokes, sprays, or vapors and when such hazards cannot be reduced or eliminated by effective engineering controls.
- Each affected employee shall wear protective helmets when working in areas where there is a potential for injury to the head from falling objects. Protective helmets shall also be worn to reduce electrical shock hazards when near exposed electrical conductors which could contact the head.
- Each affected employee shall wear protective footwear (safety shoes) when working in areas where there is a danger of foot injuries due to falling and rolling objects, or objects piercing the sole, and where such employee's feet are exposed to electrical hazards.
- Each affected employee shall wear protective ear wear whenever noise exposures equal or exceed an 8-hour time-weighted average sound level (TWA) of 80 decibels and when engineering controls cannot reduce or eliminate the hazard.
- Each affected employee shall wear protective gloves when working in areas where hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.
- The Contractor shall follow the [BARRICADING AND FENCING](#) safety regulations when applicable.
- The Contractor shall follow the [ELECTRICAL SAFETY](#) and [LOCKOUT / TAGOUT](#) safety regulations when applicable.
- The Contractor shall follow the [FALL PROTECTION](#) safety regulations when applicable.
- The Contractor shall follow the [HAZARD COMMUNICATIONS](#) safety regulations when applicable.
- The Contractor shall follow the [HAND AND POWER TOOL SAFETY](#) regulations when applicable.
- The Contractor shall follow the [SCAFFOLDING](#) safety regulations when applicable.
- The Contractor shall follow the [NOISE](#) safety regulations when applicable.

- The Contractor shall follow the [HOT WORK PERMIT](#) safety regulations when applicable.
- The Contractor shall follow the [TRENCHING AND EXCAVATIONS](#) safety regulations when applicable.
- The Contractor shall follow the [CONFINED SPACE ENTRY](#) safety regulations when applicable.

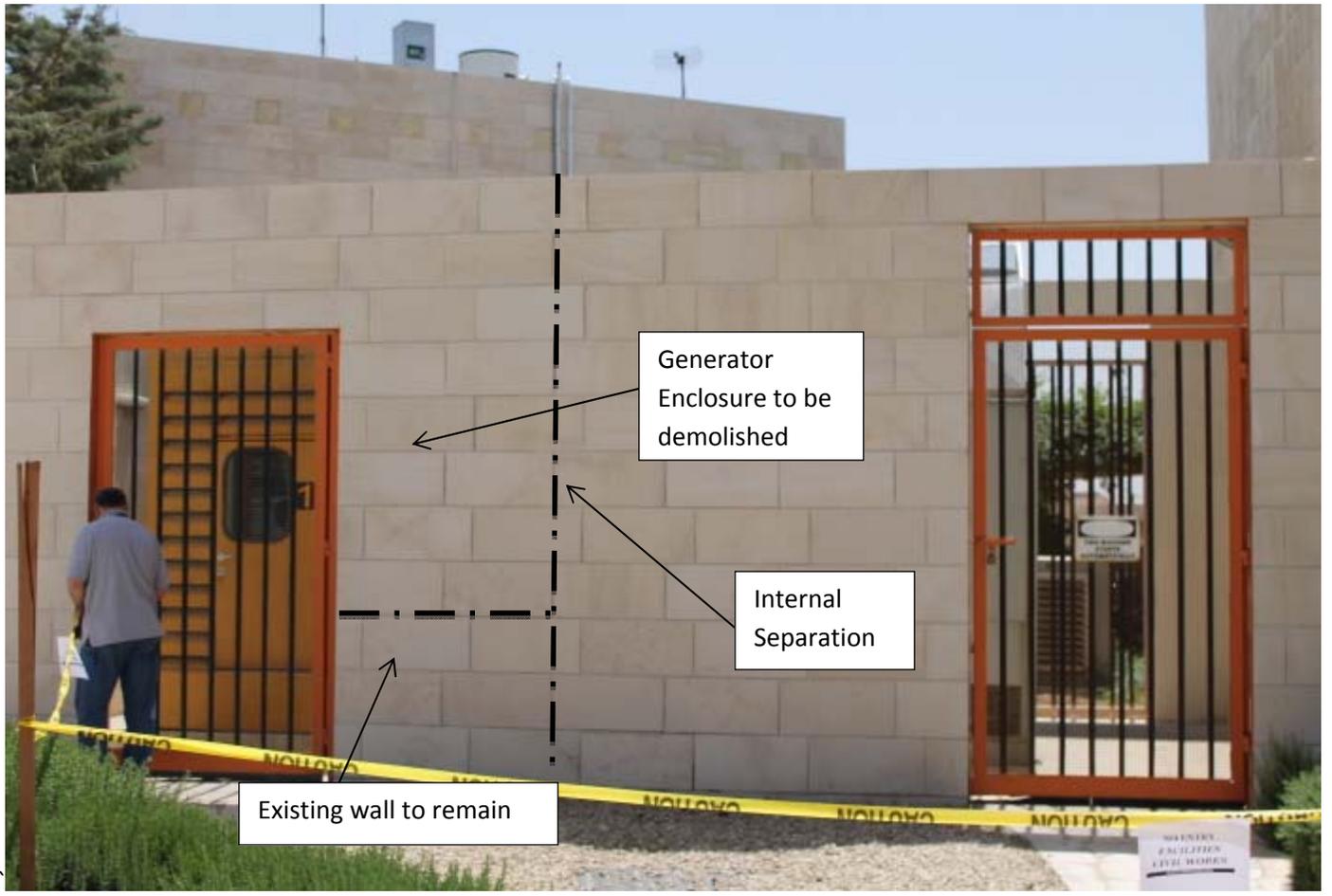
Attachment A

Illustrating Photos









Attachment B

Proposed Design

