

**STATEMENT OF WORK**  
**FAC Prefabricated storage Container**  
**NEW Embassy Compound**  
**OBO # 10000**  
**Khartoum, Sudan**

**2014**

## **1. Description of Services:**

The US Embassy, Khartoum has a requirement to procure and place a prefabricated storage shed in the New Embassy Compound (NEC) in Khartoum I, Khartoum. The project shall be executed as per scope of work, specifications and General contract conditions. This project requires an experienced contractor to design and execute the job.

The Contractor shall provide all labor, material, tools, equipment, supervision and other related items required to complete the project as per scope of work, specifications.

Contractors are advised to visit the site, verify the existing site conditions to develop their proposal.

## **2. Submittals**

The contractor shall submit the following

1. Manufacturers' data: Submit complete data on materials including accessories and fittings.
2. Layout Drawings: Submit full set of layouts/ designs of the shed and all its utilities including all required openings, including plans and sections drawn to scale for review.
3. A full set of AS-Built drawings is part of the final submittals of the project.

## **3. Scope of Work**

### **Site preparation**

- The contractor shall be responsible of leveling the site to allow flat leveled surface as the base for the prefabricated storage shed.

### **Structure**

1- The contractor shall be responsible to provide a prefabricated storage container. The size of the shed shall be 6 X 3 m.

The building shall have the following specs:-

- The internal clearance in the sheds shall not be less than 2.60 meters.
- The chassis and the columns shall be 2.3 mm thick steel pipes, size 10 X 5 at least
- The exterior walls shall be made of 60 mm 40 kg/m<sup>3</sup> polyurethane sandwich panels. Inner and outer surface 0.5 mm galvanized sheet metal.
- Roof: four sided pitch roof, 80 mm thick glass wall blankets are used for insulation
- Ceiling: PVC lumber or suspended ceiling 60 X 60 cm panels or equal approved.
- Floor shall be covered with solid wood, 18 mm thick covered with 3 mm vinyl covering.
- The exterior walls shall be covered with cement fiber 9 mm thick in the form of overlapping panels. The exterior walls shall be painted by texture paint to match the existing buildings texture. All Paint materials shall be contractor furnished, subject to compliance with requirements to products of "Nile Paints" or equal approved. Apply

paint coats (three at least) until paint film is of uniform finish, color, and appearance. The COR shall advise the finish color.

## Doors

The shed shall have one front steel frame filled with polyurethane sandwich panel with 4 hinges & cylinder lock. The door shall be two leaf doors with dimensions of 2 X 2 meters. And another one leaf door on the side with dimensions 0.9 X 2 meters.

- All doors accessories and parts, hinges, handle...etc. shall be of high quality and approved by COR prior installation.

## Electrical

### **1. The contractor shall install the following**

- The shed shall have two internal double bulbs- two feet lighting fixtures and three electrical outlets (13 Amp.).
- Two exterior double bulb- two external feet lighting fixtures .The external ones shall be of weather-tight type.
- Electrical Outlet & wiring to an AC split unit. The split unit shall be provided and installed by the USG.
- 1 light switch
- A circuit breaker, 6 lines, 100 Amp main breakers.
- ***All the electrical/ lighting fixtures, switches and wiring shall be approved by the COR prior installation and shall comply with the local and US codes***

### **2 General**

2.1 Conductors for lighting circuits shall be in general 2.5 mm<sup>2</sup> & protected by 16 amps. Circuit breakers unless otherwise indicated .

2.2 Conductors for receptacles outlets circuits shall be in general 4 mm<sup>2</sup> & protected by 20 amp circuit breakers unless otherwise indicated .

2.3 Protective earth conductors are to be run with all circuits in accordance with the NEC 70 (article 250).

2.4 All lighting switches and receptacles outlets located in general areas shall be installed at 1200 & 450mm above F.F.L. respectively. Lighting switches shall be mounted inside the room on the side of the door handle within 200mm from door frame unless otherwise indicated .

2.5 The contractor shall coordinate all works with other trades and services and incorporate all their exact and final requirements .

2.6 In the absence of any indication on the drawings or in the specifications, the installations are to be in accordance with NEC 70.

2.7 Equipment ampere ratings are for continuous operation in 50 C ambient temperature outdoors, or in non-air conditional space indoor and 40 C in air-conditioned spaces unless otherwise noted.

### **3 Products**

3.1 All materials will be supplied and installed by the contractor. Other than what is listed on the attached sheet, the contractor shall be responsible for furnishing any other materials to finish the required work stated herein.

1. Light fixtures, as specified, of high quality
  2. Wiring devices, products of (Legrand, Gewiss), or equal approved
  3. Wires and cables, products of (ElSharg), or equal approved
  4. Conduits and boxes, products of (MEM) or equal approved
- *The contractor shall maintain existing utilities indicated to remain and protect them against damage during the works. Damages caused by demolition and renovation operations, shall be repaired by the contractor at no additional cost to the Government.*
  - *The contractor shall transport from site all debris, rubbish, and materials resulting from the project and dispose offsite on a daily basis in accordance with local regulations.*

## **Conditions of Contract**

### **1. General**

This is a firm fixed price turnkey job for the entire work and amount quoted shall include all work described in attached drawing, scope of work and general condition of contract. The lump sum price quoted shall be fixed and nothing extra will be entertained on any account.

Contractor's staff is subject to such restriction for entry and exit as are required by the Embassy's security requirement. Contractor's staff will be subject to security cleared as required by the Embassy.

Contractor shall restore all surfaces disturbed by construction to match with existing finish.

Any deviation from the original contract/scope of work shall be informed to COR before work begins. No additional work or changes will be carried out without a contract modification.

## **2. Responsibilities of Contractor**

Contractor shall be responsible for procuring, supplying, transporting, and providing all labor, materials, tools and plant and equipment etc., required for completion of the work in all respects and as per the scope of the work.

All expenses towards mobilization at site and demobilization including bringing in equipment, workforce and materials, dismantling the equipment, clearing the site etc. shall be deemed to be included in the rates quoted by the contractor against various items of schedule of rates and no separate payment on such expenses shall be entertained.

Contractor shall employ and provide one full time engineer to supervise the project and has experienced of carrying out such type of work.

Contractor shall not proceed with next activity until previous activity will be checked and approved by COR. Contractor shall mentioned all inspection dates in the schedule chart

Contractor should keep the site clean and accessible to Embassy employee all time

## **3. Specifications**

Work under this contract shall be carried out strictly in accordance with specifications attached and will meet US and Local codes.

## **4. Execution of Work**

The Contractors are advised to review the material specifications and scope of work. The Contractor should visit and walk through the site to familiarize themselves with the site conditions to understand the exact quantum of work.

On award of the work, Contractor shall submit all items below via email:

- a. Bar chart within 3 days for approval by the Contracting Officer Representative (COR). All dates and time schedule agreed upon should be strictly adhered to. Contractor shall notify the COR in advance regarding anticipated problems through the project.
- b. Proposed start date
- c. Weekly schedule/activity plan for the duration of the project *prior to the start date*.

For dismantling/blocking or making connection to any existing services or any shut-down, contractor shall inform the COR at least three working days in advance and proceed with the work only after the permission from the COR.

**The duration of the project shall be 12 working days.**

#### **5. Materials**

All materials used on this work shall be new and conforming to the contract specifications as per US and local codes.

Materials shall conform to the latest US Standards specifications as amended to date and carry certification mark. Contractor shall submit material samples and catalog for pre-approval.

All materials used on the project shall be approved by the Contracting Officer Representative (COR) before use. Any changes/substitutes on material shall be approved by COR before proceeding.

#### **6. Storage of Materials**

All materials shall be stored in a proper manner protected from natural elements so as to avoid contamination and deterioration.

#### **7. Site Clearance and Cleanup**

The Contractor shall clear away all debris and excess materials accumulated at the site and dispose of it away from Embassy premises, maintaining a neat site condition.

On completion of project, Contractor shall remove all surplus materials and leave the site in a broom clean condition.

#### **8. Workmanship**

Workers working on the site shall be skilled in their job and have related job experience.

#### **9. Working Hours**

Working hours shall be 8:30 A.M. to 4:30P.M Sunday to Thursday. No work shall be done on Fridays, Saturdays and holidays without the prior approval of the Contracting Officer.

#### **10. Security Clearance**

The Contractor shall inform and provide in writing transportation details (vehicle registration number, drivers name, and date of delivery) to the COR at least 24 hours in advance for material deliveries.

Contractor shall give workers names at least 3 days in advance to get the security clearance. All the workers shall have an official photo ID or photo ID with the company name on it.

#### **11. Safety**

Contractor is responsible and shall continue management and implementation of a safety and health program throughout construction.

The Contracting Officer and the Post Occupational Safety and Health Officer [OSHA] reserve the right to suspend work when and where Contractor's safety and health program is considered to be operating in an inadequate or non-complying manner.

Contractor shall provide all Personal Protective Equipment for the workers as per the requirement of the site. Work will be stopped in case the proper protection equipment is not found with the workers and the lapse of time shall be at the Contractor's expense.

Contractor will not leave the work site in an unsafe condition or any other condition that might cause injury to personnel, damage to existing work, plants or equipment.

Contractor will use all safety gadgets e.g. hard hats, cotton gloves and goggles as required on site to avoid the accident.

Any equipment or work considered dangerous shall be immediately discontinued.

### **11. Warranty**

The contractor shall guarantee that all work performed will be free from all defects in workmanship and materials and that all installation will provide the capacities and characteristics specified. The contract further guarantees that if, during a period of three years from the date of the certificate of completion and acceptance of the work, any such defects will be repaired by the contractor at his expenses.