

STATEMENT OF WORK

TH- renovation of two car sheds

PROPERTY OBO-136

Townhouses Compound

U.S. EMBASSY KHARTOUM, SUDAN

1. Description of Services:

The US Embassy, Khartoum has a requirement to renovate two car sheds for the occupants' vehicles in the townhouses compound, Khartoum. The number of spaces to be covered is seven spaces. The east side has three parking spaces; the west side has 4 parking spaces. The works shall be constructed as per drawings, 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 and attached drawings.

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. Manufacturer's data: Submit complete data on materials including accessories and fittings.
2. Layout Drawings: Submit layouts/ designs of the car sheds' zones. The designs shall include plans and sections drawn to scale.

3. Scope of work

1- The contractor shall remove the old parking sheds i.e:- the structure, galvanized sheets and dispose them off site per the request of the COR.

2- The contractor shall fabricate and install car sheds for occupants' vehicles. The car sheds shall cover the seven parking spaces distributed in two zones sections as shown in diagram. The size of the two car sheds is (12.25 m X 6 m) and (9.25 m X 6m).

- The spacing between each column shall not exceed 4 meters, the length of the shed shall be 4.8 meter and the clear height shall be 2.5 meter at least.

3- The car shed structure shall be of made of welded galvanized steel members (Cantilever design, as shown in diagram)

- Each steel column shall be of 6 inches galvanized pipe , 3 mm thickness at least, filled with concrete. The columns shall be embedded in the foundation and welded to the foundation steel.
- All the steel purlins, girders shall be made of steel galvanized pipes, 2 inch in diameter, 2 mm thickness at least, unless otherwise specified.
- The foundation shall be made of reinforced concrete, 100 cm long X 100 cm wide X 100 cm deep at least. The bars reinforcement shall be 16 mm in thickness in two layers.

- A steel cap shall be in the form of cuboid 30 X30 cm with 10 cm height to cover the point of intersection of the pipe with ground.
- All the steel members open ends shall be closed with steel sheet of similar size and finish
- The shed shall be covered with car shed netting on the top, the two sides for each car shed; The green Knitted Polyethylene mesh cover shall be double layer with high durability fabric. The shade density shall not be less than 80 %. The contractor shall use rebar tie wire to fix the netting. In the sides, the size of the netting shall be 1.5m X 2m. The contractor shall provide the side steel frame to support the netting and it will be fixed on the floor, 2 inch steel pipes at least
- The whole steel structure shall be coated with a layer of primer and then spray painted with matt synthetic enamel paint “ Sadolac enamel “of “Nile paints” or equivalent. The columns shall be black in color, while the corrugated sheets shall be grey in color to match the color of the existing buildings in the compound.

4- 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.

5-The contractor shall transport from site all debris, rubbish, and materials resulting from demolition operations and dispose off site 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 25 (twenty five) 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
- Contractors must demonstrate understanding of their responsibilities under Post Managed Construction Project safety program by addressing hazards in preplanning processes and meetings
- Prior to starting a project, each contractor is required to review the work site and identify hazards that may occur while performing the job.

- Prior to starting a project, the contractor shall contact contracting officer, to ensure they have received pertinent information for the project including requirements for permits, floor plans, utility information, asbestos, lead based paint, and other hazardous materials.
- Per 15 FAM 935, contractors must provide their employees with a safe and healthful condition of employment.
- Contractors are expected to provide a “competent person” to implement site health and safety plan and to oversee its compliance. A competent person is an individual who, by way of training and/or experience, is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation, is designated by the employer, and has authority to take appropriate actions.
- The contractor shall be responsible for the removal and/or disposal of hazardous waste generated from the project. Hazardous waste generated from the project must be removed and disposed of in accordance with the Department’s Hazardous Waste Management Policy as well as local rules and regulations.
- The contractor shall ensure proper safety, health and environmental requirements of EM 385-1-1 applicable to their project as followed.
- The contractor shall ensure individuals working at the site are trained and are aware of potential hazards. Contractors shall ensure that these individuals are provided with proper safety equipment to prevent accidental injury in accordance with the requirements of the contract
- Contractors will report accidents to Contracting officers, Contracting officer’s representative and POSHO.

12. 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.

BOQ- NEC- staff parking lot shed

	Item	count	unit	unit	unit cost	Total Cost
1	Foundation works for each parking space	7	m3	0.64		
2	steel work for each parking space, including truss members, columns as shown in the SOW	7	job	1		
3	fabric netting for each parking space	7	job	1		
4	fabric netting on east-west sides	5	M2	2		
5	Painting	1	Job	1		