

STATEMENT OF WORK
MSGQ privacy fence
NEW EMBASSY COMPOUND
OBO # 10000
U.S. EMBASSY KHARTOUM, SUDAN

1. Description of Services:

The US Embassy, Khartoum has a requirement to fabricate and install a privacy fence on the north side patio the MSGQ area in the NEC, Khartoum. The project shall be carried out as per drawings, scope of work, specifications and General contract conditions.

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.

This project requires an experienced contractor to design and execute the job.

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

2. SUBMITTALS

A. Product Data:

1. Submit complete shop drawings and product data for all materials and equipment furnished including layout and details of construction and erection of the fence and accessories required.
2. Shop drawings showing finish, material gauge, footings dimensions, heights, dimension of metal to finish grade.

B. Samples:

1. Submit one sample approximately ONE meter length of fence material.
2. Submit one sample approximately Five inch of fabric netting material

3. Scope of Work

The contractor shall furnish and install the MSGQ privacy fence as shown in the attached diagram with the following specs:-

1- The contractor shall furnish and install the new barrier. The barrier design shall be as shown in the attached drawing. The total length of fence is around **74 meters**

- The design as shown in the attachment. The spacing between each two columns shall not exceed two meters
- The columns shall be made of circular galvanized pipe 2 inch; the thickness shall not be less than 3 mm. The pipes shall be extended until 10 cm above the base of the footing. At The base of the column, two 8X4 cm steel pipes shall be welded perpendicular to each other as support to the column footing.
- The internal frame work shall be made of 2cm square hollow pipes. The layout shall be similar to the attached diagram
- PVC coated chain link fence, thickness 4 mm at least shall be used to cover the internal frame.
- All exposed vertical and horizontal members shall be covered by welded steel caps, thickness of the cap shall match the member thickness.

- Stick welding (Shielded metal arc welding) is to be used. Welding Rods to provide as required by AWS specifications, for the metal to be welded. All around welding technique for the all welding connections. After complete welding process, the steel shall be sanded to have a smooth finish surface.

2- The contractor shall pour reinforced concrete footings 30 X 30 X 40 deep cm for the fence columns. The base of the footing shall have as shown in the attached diagrams. The total number of columns is **37 footings**

Concrete: Provide concrete consisting of Portland Cement, A STM C 150, aggregates ASTM C 33 and clean water. Mix materials to obtain concrete with a minimum 28-day compressive strength of 2500 psi using at least four (6) sacks of cement per cubic yard, 1 inch maximum size aggregate and maximum 3 inch slump.

3- The top of the barrier shall be at least 1 (ONE) meter above grade measured on the side of the barrier facing away from MSGQ.

4- f the chain link cover, the fence shall be covered with Plastic fabric netting as shown in diagram; the netting shall be double layer, one on each side with high durability. The contractor shall use rebar tie wire to tie the netting. The color of the netting shall be blue

5- The contractor shall be responsible to paint the steel work with primer followed by Shop spray Semi-gloss enamel paint, grey color to match the existing fence color. The color of the paint shall match the adjacent walls color. All Paint materials shall be contractor furnished, subject to compliance with requirements to products of "NILE PAINTS", or approved equal. Apply paint in accordance with manufacturer's directions.

Apply additional coats when undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance.

Priming or painting in the vicinity of welds shall not be carried out over any field welding until the weld has been inspected and approved.

6- The contractor shall maintain existing utilities indicated to remain and protect them against damage during the works; i.e. interlocking tiles, pipes...etc. Damages caused by demolition and renovation operations, shall be repaired by the contractor at no additional cost to the Government.

7- 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 not be more than 18 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.

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.

NEC- MSGQ fence BOQ

	Item	count	unit	unit/ count	unit cost	Total Cost
1	Mobilization	1	job			
2	Excavation and Soil works	1	job			
3	Concrete Footings works	37	m2			
4	steel columns and caps	37	ML			
5	steel frames works	35	ML			
6	Chain link fence works	35	M2			
7	double layer fabric netting	35	M2			