**April 2023**

**Annex A: Technical Specifications:**

**Terms of Reference (TOR)**

**FENCING OF GENERATORS AND FUEL TANK UNHCR SUB-OFFICE OGOJA**

**A: INTRODUCTION**

UNHCR Sub office is implementing the perimeter fencing of generators and fuel tank platforms in its current Sub-Office located in Ogoja Cross-river state. It is anticipated as a full contract-based work hence the contractor will be required to offer materials, equipment, machines, and labor with the best workmanship to execute the work.

**B. BILL OF QUANTITIES**

**LOT 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No** | **Description** | | **Quantity** |
|  |
| 1.10 | Fabricate and frame to form a metallic fence structure using 2mmx50mmx100mm thick tube on the top and bottom for the horizontal member. Also, using the pipe for the vertical members spaced at 1200mm apart with an overall height of 1400mm (with 200mm buried to the ground) and making provision for a 2-leaflet door opening 1800mm. Unit price to include all the necessary materials, tools, and labour. | | 23.00 |  |
| 1.11 | Supply and install a 1830mm75x25mmx3mm galvanized welded mesh wire as walling of the fence. Unit price to include all necessary materials, tools, and labour. | | 44.00 |  |
| 1.12 | Supply and install squire watchman armoured padlock of the size 80mmx11mmx29mm.Unit price to include all necessary materials, tools, and labour. | | 2.00 |  |
| 1.13 | Allow for foundation footing of the framed structure which include, excavation and concreting. Unit price to include all necessary materials, tools, and labour | | 2.00 |  |
| 1.14 | Allow for painting of the fabricated wire mesh fence using UN-blue. Unit price to include all necessary materials, tools, and labour | | 44.00 |  |
| 1.15 | Supply and install concertina wire in double layer with double Y-metal stand spaced at 200mm C/C with concrete copping. Unit cost includes all necessary materials, tools, and labour. | | 23.00 |  |
| 1.16 | Fabricate and install using a 20mm thick MBF a square key storage shelves of 500mmx50mmx300mm (LxHxD), the back of the shelve to be covered with an MBF while the front with a 4mm thick transparent glass opening outside left with a handle and a key. Unit cost includes all necessary materials, tools, and labour. | | 1.00 |  |
|  |  |
|  |  |

**TERMS OF REFERENCE /TECHNICAL SPECIFICATION**

1. Scope of Work

The work comprises fabrication of the perimeter fence using metal pipe and wire mesh, install squire watchman armoured padlock, painting of the metallic fence, installation of concertina wires and a key storage shelf. In each case, the contractor will work closely with the UNHCR shelter Associate to confirm materials and work done meets desired specification.

1. Personnel and Equipment

The Contractor shall provide and maintain enough suitable equipment to complete the perimeter fencing within the period specified in the contract.

1. Mobilization

a. Contractor Personnel

As part of the mobilization, the Contractor shall be responsible for the hiring of, and the transfer of his personnel as required during the Contract period. He shall be responsible for arranging and providing accommodation for his personnel.

b. Work Schedule

Prior to commencing work, the Contractor shall prepare and submit a work schedule for perimeter fence project stating clearly line of activities from the beginning to the end of the contract execution.

c. Site Access

The Contract shall be responsible for all the costs resulting from damage caused out of carelessness or negligence to UNHCR property.

Signed: UNHCR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contractor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Name:

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Sample of materials to be use*

|  |  |  |
| --- | --- | --- |
|  | Galvanised mesh wire fencing | Rectangular Stainless Steel 304 Rectangle ERW Pipes, Size: 25mm X 12mm ... |
| *Sample of Padlock to used* | *Sample of wire mesh* | *Sample of pipe* |

**April 2023**

**LOT 2: FENCING OF GENERATORS AND FUEL TANK UNHCR GUEST HOUSE OGOJA**

**A: INTRODUCTION**

UNHCR Sub office is implementing the perimeter fencing of generators and fuel tank platforms in its current Guest house located in Ogoja Cross-river state. It is anticipated as a full contract-based work hence the contractor will be required to offer materials, equipment, machines, and labor with the best workmanship to execute the work.

**B. BILL OF QUANTITIES**

|  |  |  |
| --- | --- | --- |
| **Item No** | **Description** | **Quantity** |
| 2.10 | Fabricate and frame to form a metallic fence structure using 2mmx50mmx100mm thick rectangular tube on the bottom, middle and top for the horizontal member. Also, using the pipe for the vertical members spaced at 1200mm apart with an overall height of 2000mm (with 200mm buried to the ground) and making provision for a 2-door opening 1200mm. Unit price to include all the necessary materials, tools, and labour. | 80.00 |
| 2.12 | Fabricate and install 2-door opening 1200mm using 2mmx50mmx100mm thick rectangular tube for frames covered with mesh wire making provision for padlock keys. Unit price to include all the necessary materials, tools, and labour. | 2.00 |
| 2.13 | Fabricate and install a 2-leaflet door opening 2840mm using 2mmx50mmx100mm thick rectangular tube for frames covered with mesh wire making provision for padlock keys. Unit price to include all the necessary materials, tools, and labour. | 1.00 |
| 2.14 | Fabricate and frame to form a metallic fence structure using 2mmx50mmx100mm thick tube on the top and bottom for the horizontal member. Also, using the pipe for the vertical members spaced at 1200mm apart with an overall height of 1400mm (with 200mm buried to the ground) and making provision for a 2-leaflet door opening 1800mm. Unit price to include all the necessary materials, tools, and labour. | 7.00 |
| 2.15 | Supply and install a 1830mmx75x25mmx3mm galvanized welded mesh wire as walling on the fabricated metallic fence. Unit price to include all necessary materials, tools, and labour. | 35.00 |
| 2.16 | Supply and install squire watchman armoured padlock of the size 80mmx11mmx29mm.Unit price to include all necessary materials, tools, and labour. | 4.00 |
| 2.17 | Allow for painting of the fabricated wire mesh fence using UN-blue. Unit price to include all necessary materials, tools, and labour | 35.00 |
| 2.18 | Supply and install concertina wire in double layer with double Y-metal stand spaced at 200mm C/C with concrete copping Unit cost includes all necessary materials, tools, and labour. | 25.00 |
| 2.19 | Fabricate and install using a 20mm thick MBF a square key storage shelves of 500mmx50mmx300mm (LxHxD), the back of the shelve to be covered with an MBF while the front with a 4mm thick transparent glass opening outside left with a handle and a key. Unit cost includes all necessary materials, tools, and labour. | 1.00 |
|  |

**TERMS OF REFERENCE /TECHNICAL SPECIFICATION**

1. Scope of Work

The work comprises fabrication of the perimeter fence using metal pipe and wire mesh, install squire watchman armoured padlock, painting of the metallic fence, installation of concertina wires and a key storage shelf. In each case, the contractor will work closely with the UNHCR shelter Associate to confirm materials and work done meets desired specification.

1. Personnel and Equipment

The Contractor shall provide and maintain enough suitable equipment to complete the perimeter fencing within the period specified in the contract.

1. Mobilization

a. Contractor Personnel

As part of the mobilization, the Contractor shall be responsible for the hiring of, and the transfer of his personnel as required during the Contract period. He shall be responsible for arranging and providing accommodation for his personnel.

b. Work Schedule

Prior to commencing work, the Contractor shall prepare and submit a work schedule for perimeter fence project stating clearly line of activities from the beginning to the end of the contract execution.

c. Site Access

The Contract shall be responsible for all the costs resulting from damage caused out of carelessness or negligence to UNHCR property.

Signed: UNHCR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contractor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Name:

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Sample of materials to be use*

|  |  |  |
| --- | --- | --- |
|  | Galvanised mesh wire fencing | Rectangular Stainless Steel 304 Rectangle ERW Pipes, Size: 25mm X 12mm ... |
| *Sample of Padlock to used* | *Sample of wire mesh* | *Sample of pipe* |

**April 2023**

**LOT 3: FENCING OF GENERATORS AND FUEL TANK UNHCR FIELD OFFICE CALABAR**

**A: INTRODUCTION**

UNHCR Sub office is implementing the perimeter fencing of generators and fuel tank platforms in its current Field Office located in Calabar Cross-river state. It is anticipated as a full contract-based work hence the contractor will be required to offer materials, equipment, machines, and labor with the best workmanship to execute the work.

**B. BILL OF QUANTITIES**

|  |  |  |
| --- | --- | --- |
| **Item No** | **Description** | **Quantity** |
| 3.10 | Fabricate and frame to form a metallic fence structure using 2mmx50mmx100mm thick tube on the top and bottom for the horizontal member. Also, using the pipe for the vertical members spaced at 1200mm apart with an overall height of 1400mm (with 200mm buried to the ground) and making provision for a 2-leaflet door opening 1800mm. Unit price to include all the necessary materials, tools, and labour. | 19.00 |
| 3.11 | Supply and install a 1830mmx75x25mmx3mm galvanized welded mesh wire as walling of the fence. Unit price to include all necessary materials, tools, and labour. | 36.00 |
| 3.12 | Supply and install squire watchman armoured padlock of the size 80mmx11mmx29mm.Unit price to include all necessary materials, tools, and labour. | 2.00 |
| 3.13 | Allow for foundation footing of the framed structure which include, excavation and concreting. Unit price to include all necessary materials, tools, and labour | 1.00 |
| 3.14 | Allow for painting of the fabricated wire mesh fence using UN-blue. Unit price to include all necessary materials, tools, and labour | 36.00 |
| 3.15 | Supply and install concertina wire in double layer with double Y-metal stand spaced at 200mm C/C with concrete copping Unit cost includes all necessary materials, tools, and labour. | 19.00 |
| 3.16 | Fabricate and install using a 20mm thick MBF a square key storage shelves of 500mmx50mmx300mm (LxHxD), the back of the shelve to be covered with an MBF while the front with a 4mm thick transparent glass opening outside left with a handle and a key. Unit cost includes all necessary materials, tools, and labour. | 1.00 |
|  |
|  |

**TERMS OF REFERENCE /TECHNICAL SPECIFICATION**

1. Scope of Work

The work comprises fabrication of the perimeter fence using metal pipe and wire mesh, install squire watchman armoured padlock, painting of the metallic fence, installation of concertina wires and a key storage shelf. In each case, the contractor will work closely with the UNHCR shelter Associate to confirm materials and work done meets desired specification.

1. Personnel and Equipment

The Contractor shall provide and maintain enough suitable equipment to complete the perimeter fencing within the period specified in the contract.

1. Mobilization

a. Contractor Personnel

As part of the mobilization, the Contractor shall be responsible for the hiring of, and the transfer of his personnel as required during the Contract period. He shall be responsible for arranging and providing accommodation for his personnel.

b. Work Schedule

Prior to commencing work, the Contractor shall prepare and submit a work schedule for perimeter fence project stating clearly line of activities from the beginning to the end of the contract execution.

c. Site Access

The Contract shall be responsible for all the costs resulting from damage caused out of carelessness or negligence to UNHCR property.

Signed: UNHCR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contractor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: Name:

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Sample of materials to be use*

|  |  |  |
| --- | --- | --- |
|  | Galvanised mesh wire fencing | Rectangular Stainless Steel 304 Rectangle ERW Pipes, Size: 25mm X 12mm ... |
| *Sample of Padlock to used* | *Sample of wire mesh* | *Sample of pipe* |