

**EMBASSY OF THE UNITED STATES OF AMERICA**

**LUSAKA – ZAMBIA**

**PROPOSED TRENCHING,SUPPLY AND INSTALLATION OF ELECTRICAL CABLE  
FOR IRRIGATION PLANT AT THE NEC**

**PURPOSE AND DESCRIPTION OF THE SERVICES:**

The purpose of this Statement of Work (SOW) is to instruct and orient the development of the services, and to establish obligations and rights of the Embassy of the United States of America in Lusaka, Zambia, always referred to as the CONTRACTING OFFICER, and represented by the Facility Manager or General Services Officer Appointed Inspector and of the contracted company, always referred to as the CONTRACTOR, to whom the execution of the services of **Trenching, supplying and installation of Electrical Cable and Installation at NEC**, will be trusted to, as this document specifies.Refer to attached schedule of works and bills of quantities.

**1. THE CONTRACTOR WILL BE RESPONSIBLE FOR:**

- A. Trenching for the installation of the electrical cable and provision of a 4”PVC sleeve and associated junction boxes(handholes)
- B. Supplying and installation of the 16mm sq. x 4 core armoured cable of length 200m.
- C. Removal of all installation debris from site and cleaning

**SAFETY AND HYGIENE AT THE WORK SITE**

All personnel on site shall be required to observe and guarantee safety and hygiene at all times.Any breach of these requirements may result in removal from site of the infringing personnel or the Contractor.

The Contractor shall, prior to taking possession of site, present the Contracting Officer’s Representative, a copy of their safety plan for adoption on site.

Any safety incident should be reported to the Contracting Officer Representative within twenty-four (24) hours of its occurrence. Failure to report a safety incident amounts to a breach and will attract a penalty.

**SITE ACCESS**

It is a requirement that all Contractor personnel and equipment obtain US Government clearance prior to accessing the work site.

It is the responsibility of the Contractor to submit a list of names of all personnel that will be expected to access the work site, at any point during the contract period. Any personnel without clearance will not be allowed access to site.

## **EXCAVATION / TRENCHING**

The Contractor shall provide all labor, equipment and materials including the appropriate PPE required for the excavation/trenching of soil on site. Trenching shall be deep enough to provide a minimum depth of cover of 500mm for the armored cable. The Contractor shall excavate from the Load Bank Pad all the way to the Irrigation main Distribution board on the NEC East corner, a total length of 200m.

## **HAULING EXCESS EXCAVATED MATERIAL:**

The Contractor shall provide for the removal of extra excavated material not required for project execution to an off-base location and disposed in accordance with local rules and regulation. Disposal location shall be determined by the Contractor.

The Contractor shall restore the area to its original condition, at the end of the contract period. The Contracting Officer representative shall make the final determination of what is considered acceptable site restoration. All mud, dirt, debris, foreign objects, or spills of any kind from the Contractor's operations on hard surfaces and parking lots used as access to the work or staging areas, shall be cleaned immediately after use.

## **INSTALLATION OF ELECTRICAL CABLES**

The contractor shall provide 4" PVC sleeve of total length 200m. The Contractor shall install armored cables in the provided for sleeves. The contractor shall supply and install a 16mm sq. x 4 core armored cable. The contractor shall supply and install 30m of 200 x 100 GI (or steel painted to match) trunking for routing of cable in the switch gear room. The contractor shall supply "Electrical" warning tape placed 200mm above the cable. The termination of the cable shall be done by the contractor under close supervision by the Embassy Electrical Technician.

## **BACKFILL:**

The contractor shall backfill the trench after installation of the electrical cables. The backfill materials shall be natural or artificially mixed natural or crushed aggregate with no larger than 37mm particles and no clay materials. The materials shall be compacted in layers not more than 150mm using a Compactor. The materials shall be compacted to 95 per cent of the original density.

## **2. FOR THE EXECUTIONS OF THE SERVICES:**

- A. The CONTRACTOR must issue a liability statement of the services, assuming complete responsibility for having performed the work in accordance to the SOW, and clearly accepting entire responsibility of the work for a period of time of one year, starting from the acceptance date of the work by the CONTRACTING OFFICER. This statement must stipulate that any needed repairs to the work performed will be provided by the CONTRACTOR at his entire expense with no delays.

- B. The CONTRACTOR will provide all the materials, equipment, tools, labor, permits and other necessary documents required to execute the work at his/her entire expense.
- C. The CONTRACTOR shall provide a full time supervisor on Site. The Supervisor shall keep record of all site activities and shall have powers to receive and act on instructions from the CONTRACTING OFFICER'S REPRESENTATIVES. The Supervisor shall be have technical knowledge and experience in tiling and bathroom remodelling
- D. The USG shall not be liable or responsible in any manner for the contractor shipments and the sole responsibility for timely arrival of materials and supplies lies solely with the contractor
- E. The CONTRACTOR is responsible to supply and enforce the use of individual protective equipment (PPE), required for the kind of work to be performed, in perfect condition and according to the present safety codes.
- F. Any changes to the SOW proposed by the CONTRACTOR can only be implemented after a written approval by the CONTRACTING OFFICER. The CONTRACTING OFFICER has the right to deny changes to the SOW even if it has already been executed, if previous approval was not consented.
- G. The CONTRACTOR must submit for acceptance a proposed "project working schedule", indicating the work to be performed and the implementation time frame. Once approved by the CONTRACTING OFFICER this "proposed work schedule" will become part of the contract documentation and must be followed by the CONTRACTOR.
- H. It is the CONTRACTOR'S responsibility to maintain a clean and safe working environment. Trash containers must be kept at the work site and all trash and debris must be removed from the work site as deemed necessary by the CONTRACTING OFFICER.
- I. The CONTRACTOR is responsible for enforcing the necessary safety procedures in order to reduce the risk of fire, and must not store flammable material or fuel at the work place. All electrical work (both temporary and permanent must comply with local electrical codes and safety requirements.

### **3. ACCESS OF THE WORKERS AND VEHICLES TO THE WORK SITE**

- A. The CONTRACTOR must provide, in writing, to the CONTRACTING OFFICER, a complete list of all his/her workers, and vehicles that will be used at the work site. This list should contain the name and employee number of all the workers, copy of the official working document, brand, model, color, and license plate of the vehicles, which should be sent by e-mail during business hours, within two business days (i.e. 48) hours prior to accessing the project grounds.

### **4. RESPONSIBILITIES AND INCUMBENCIES**

- A. The contracted services must be performed in accordance to the specifications presented by the CONTRACTING OFFICER.

- B. The CONTRACTOR must inspect the work place and carefully examine the technical material presented by the CONTRACTING OFFICER, and cannot, in any circumstances, argue about lack of knowledge of the details and conditions required to perform the work, and it is his/her entire responsibility for the project performance.
- C. Any and all costs and local authority's requirements related to this project, such as: licenses, fees, taxes, insurance, fines, rentals, etc, will be provided at the CONTRACTOR'S expense. This must be done with maximum effort on the part of the CONTRACTOR, so that the administrative, fiscal and technical aspects of the work, do not delay the project.
- D. It is the CONTRACTOR'S responsibility to provide all materials, tools, manpower and equipment necessary for the correct execution of the contracted services within the established deadline, except when expressly indicated.
- E. The CONTRACTOR will be fully responsible for the efficiency of the services, as expressed by the affective Codes, the Statement of Work and any other contractual or technical documents.
- F. The CONTRACTOR must state on the proposal that he/she fully understands the project documents and the services to be performed.
  - I. In case of any discrepancies, the CONTRACTOR must provide immediate communication, in writing, to the CONTRACTING OFFICER, stating the facts, before the correspondent services are performed, indicating any discrepancies, errors or omissions that might be observed, including aspects regarding technical rules, regulations or laws, in order to prevent errors or discrepancies that might bring issues to the intended development of the work.
  - II. If the CONTRACTOR fails to disclose errors, omissions or discrepancies, the CONTRACTOR cannot refuse to fix them, at his/her own expenses, nor can the CONTRACTOR request to extend the contractual deadline without written permission from the CONTRACTING OFFICER.
  - III. It is mandatory that the CONTRACTOR must visit and inspect the work site where services will be performed, and cannot, under any circumstances argue about not being aware of the local conditions, and he/she will be solely responsible for the area during construction.
  - IV. For the services listed here, the CONTRACTOR will be responsible for supplying and safely storing all tools and equipment required to complete the project within the contracted period of time.
  - V. The CONTRACTOR will be responsible for all the damages that might occur on the property and/or any third parties hired by the CONTRACTOR for the execution of the contracted services.
  - VI. For the services executed and the equipment supplied, until the acceptance of the work, the CONTRACTOR will be the only responsible party for all working areas

covered by the contract to include existing and temporary structures within or surrounding the work area of the actual works to be preformed.

- VII. The CONTRACTOR will be fully responsible for any areas adversely affected by the performance of the work, and he/she will be fully liable for maintaining the area and repairing any damages that were caused by the work.
- VIII. The CONTRACTOR will have to enclose the entire working area to avoid the access of non authorized people, and will be responsible for any material or physical damage at the work site.

**5. SUBCONTRACTS**

- A. The CONTRACTOR cannot subcontract any services that have been established in this contract without the written permission of the CONTRACTING OFFICER.

**6. GENERAL ORIENTATION AND FISCALIZATION**

- A. The CONTRACTING OFFICER will supervise the execution of the services and has the right to designate, if he/she wishes, a licensed engineer, as the CONTRACTING OFFICER REPRESENTATIVE, to inspect and follow the work.

**7. WORK ORDERS**

- A. In the event of any unforeseen changes of services listed in the “STATEMENT OF WORK” or other project documents, the CONTRACTOR can only implement them after written authorization of the CONTRACTING OFFICER.

**8. ADDINGS AND MODIFICATIONS**

- A. In the event of any unforeseen changes of services listed in the “STATEMENT OF WORK” or other project documents, the CONTRACTOR can only implement them after written authorization of the CONTRACTING OFFICER.

**9. COMPLEMENTARY OBSERVATIONS**

- A. For implementing the services, the following must also be observed;
  - I. The local and U.S. construction codes and related laws.
  - II. The material specifications standards

**10. THE PERIOD OF EXECUTION**

- A. For the conclusion of the services here listed it was foreseen a maximum period of ----- weeks, counting from the CONTRACTING OFFICER written “Notice to Proceed” letter.
- B. The services will be performed from 07:30am to 5:00pm, Monday through Friday, unless a modified schedule is agreed upon by both parties. The payment will be made after the completion of services and the completion statement issued by the CONTRACTING OFFICER.

- C. A signed copy of this SOW must be returned attached to the final proposal, indicating the acceptance of the SOW and the terms listed here.
- D. The prices must be presented in U.S. dollars for foreign vendors and Zambian Kwacha for Zambian vendors, and will be considered non adjustable for the period of execution of the services.
- E. If the CONTRACTOR fails to complete the work within the time specified in the contract, or any extension, the CONTRACTOR shall pay liquidated damages to the Government in the amount of KR 6,000 for each day of delay until the work is substantially complete or accepted.

**11. PROPOSAL**

- A. The proposals, in sealed envelopes, should be delivered to the Embassy of the United States of America in Lusaka, located at Stand 694, Subdivision 100, Ibex Hill Road, addressed to the CONTRACTING OFFICER – Procurement Department, phone number 211357000.
- B. The proposals must have a total cost of the services specified in item 1 of this document, including all the expenses related to the execution of the services.

**12. VISITS**

- a. Visits by the bidders to the place of work are mandatory and must take place during the date and time scheduled. The CONTRACTING OFFICER’S REPRESENTATIVE responsible for the project must be contacted 72 hours prior to the bidders visit. Any questions should be presented in writing and should be delivered to the Embassy of the United States of America in Lusaka, located at Stand 694, Subdivision 100, Ibex Hill Road, addressed to the CONTRACTING OFFICER – Procurement Department, phone number 211357000.

**13. Name of Company:** [Click here to enter text.](#)

Name of Contractors Representative: [Click here to enter text.](#)

Signature: \_\_\_\_\_

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

Name of Contracting Officer: [Click here to enter text.](#)

Signature: \_\_\_\_\_

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

Name of Contracting Officer’s Representative: [Click here to enter text.](#)

Signature: \_\_\_\_\_

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