

STATEMENT OF WORK
Transition Sump Piping Modifications
United States Embassy Abuja Nigeria

I. General Information:

The United States Embassy Abuja, Nigeria requests the services of a qualified contractor to carry out pipe modifications and remote valve installations on transition sumps of the diesel fuel supply and return pipes to 2 day tanks located at the U.S Embassy Compound, plot 1075, Diplomatic Drive, Central Business District, Abuja.

II. Project Requirements:

The Transition Sumps (TS) are located inside the generator rooms close to the day tanks in Utility Building (UB) #1 and Emergency Generator room. Existing piping with remote valve connected to the supply lines below grade need to be replaced with Government furnished remote valves installed above the sump with all the required fittings as presented in attached drawings to this SOW.

The fuel oil supply and returning piping in the sumps are made of reinforced fibre, details of which are attached with this scope of work. Attached also are details of the existing piping for the fuel fill sump.

III. General Requirements:

1. The Contractor shall be responsible for the tools, labor and some materials required to carry out all works required in this statement of work, unless stated otherwise in the relevant section.
2. The Contractor shall prepare and submit a solicitation package i.e. technical and price proposal formulated from the scope of work, attached layout drawings and walkthrough inspection to be coordinated by U.S. Government (USG).
3. Specifications and information of products proposed for use **MUST** be submitted along with the solicitation package. Information shall show the products relevance and conformity to the specifications as outlined in this statement of work.
4. The Contractor shall provide a work schedule prior to project commencement.
5. The Contractor shall be responsible for the repair / cost of repair of any damage to existing above ground / underground utilities /structures. Upon project completion, the Contractor shall return all impacted areas back to existing condition(s).
6. The contractor must abide by United States Government enhanced codes and regulations or local safety codes and standards, whichever are more stringent during the project.
7. US codes that may apply to the project include the International Building Codes (IBC), International Plumbing Code (IPC) and Occupational Safety and Health Administration (OSHA) standards. The USG is not liable for injuries to the contractor's staff caused by the contractor's activities. The USG is not responsible for provision of required safety equipment and will not hesitate to stop project work

in the event a deficiency in compliance with relevant safety standards is observed. The Contractor's personnel must wear personal protective equipment (PPE). PPE includes protective clothing, shoes, gloves, hard hat, eye and ear protection.

8. A comprehensive Safety Plan shall be provided as part of the solicitation package (See Appendix #2). All materials and chemical MSDS sheets shall be submitted to the COR for approval prior to project commencement. At a minimum compliance is required where applicable, with all safety precautions and procedures as described in the Department of State's *Confined Space Program Procedures* appended to this Statement of Work. Safety requirements for this project shall include but not limited to the following
9. The Contractor shall provide forced air ventilation system to create airflow within the tanks during the project. The Oxygen level in the tank must not be less than 19.5%
10. The Contractor shall provide lifeline full body harness protection to avert cases of drowsiness and dizziness while working inside the confined space.
11. The Contractor shall be responsible for the removal and carting away of all debris, materials and tools as used and because of this project.
12. The Contractor shall provide a list of personnel, vehicle and equipment that will be involved in the project for access permission to be requested at least a week before the commencement of work.

IV. Scope of Work

The Contractor shall ensure that the work is satisfactory performed and at a minimum, the following should be carried out:

1. Contractor must ensure that all tools, materials, and equipment to be deployed on this project must be inspected and approved before commencement and during each phase of the project.
2. Contractor shall ensure that the isolating valves on the supply and return lines to the transition sumps from the day tanks are closed before embarking on the disconnection of the pipes and fittings.
3. The contractor shall safely and carefully disconnect the existing fuel supply pipe and fittings in the TS.
4. Contractor is to supply all materials and modify to replace existing motorized valves and fittings as shown on the attached drawings Appendix A. List of materials are also shown on each drawing.
5. Contractor is to provide, install and activate all the leak sensors for the main underground diesel fuel tanks.
6. Contractor is to install and activate both overfill alarms at the UB#1 exterior and PKG perimeter wall fill-ports.

7. Contractor is to supply and install 4" FNPT 304 stainless steel ball valve on the pipe above fill transition sump in UB #1 and carry out piping modifications. The modification shall include but not limited to provision of a properly sized explosion proof weatherproof enclosure preferably stainless steel to accommodate the new valve and actuator assembly. The enclosure shall be mounted on the wall behind the fill port. Piping shall also be modified as necessary to access the fill sump. The wiring for the actuator shall be rerouted from the electrical junction box in the fill sump to the enclosure to power the actuator as necessary.
8. Contractor is to test all newly installed pipes and fittings for leaks and confirm all electrical connections ok. Contractor is to make good any deficiency that may arise from the installation and commissioning.
9. Expected duration for completion of work is 4 weeks after contract award.

Appendix



