SCOPE OF WORK(SOW)

for

REPLACEMENT OF EXISTING SMALL SIZE WATER TANK BY A NEW LARGER SIZE (2 x 5,000 liter) POLYETHYLENE WATER TANK

at

US Embassy leased residences.
Addis Ababa, Ethiopia

Date: March 2023

OVERVIEW

U.S. Embassy Addis Ababa requires quotations for a contractor to replace existing small sized water tanks with a larger size (2 x 5,000 liter) Polyethylene water tanks at twenty leased residences in different locations of Addis Ababa. This includes connection of electrical control switch, water pump, electrical float switch, control valves and pipe installation with all necessary accessories as per the given scope of work.
Also, the contractor will construct reinforced concrete slab 150mm thick and have reinforcing mesh Ø8C/C 200 both ways foundation at bottom and top of the slab and will provide all labor, tools, materials, equipment, and supplies and perform all operations as specified herein.
A site visit can be scheduled upon request.

SCOPE OF WORK

Requirements of this SOW serve as a direction to the contractor for the above listed work. The contractor shall perform all services in accordance with professional standards of skill, care and diligence adhered to by reputable.

Water storage tank

1. Carefully disconnect and remove existing small size water tanks and store at appropriate location in the compound.
2. Install 2x 5,000liter or as per the given work description, vertical Polyethylene water storage tanks with all necessary fittings and level sensors.

Reinforced concrete slab foundation.

The contractor will construct 2m x 3m reinforced concrete foundation base for the water tanker, it should be150mm thick concrete having reinforcing mesh Ø8 C/C 200 both ways foundation at bottom and top of the slab and 250mm thick hard core. The slab needs to be cast on a level and firm surface. The finished surface of the slab needs to be flat, smooth, and level. It should be left to cure for at least five days before filling the tank with water.

PID	WORK DESCRIPTION	WATER TANK TYPE	WATER TANK QUANTITY.	REMARK
832	Replace the two existing water tanks in top floor and one in ground floor by two 4,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad.	Vertical	2	Next to the existing water tank

889	Add one additional water tank with 4,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves.	Vertical	1	Next to the existing water tank
592	Replace the existing water tank by two 5,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	In the place of existing water tanks
843	Replace the existing water tank by two 4,000liter capacity tank. The new water location is in the garden area. Connect the city water line to the new WT and from new WT to the house water system (about 30meter). This includes, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	The existing wash basin has to be removed - LL has to be informed
745	Add one additional water tank with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	1	Next to the existing water tank

834	Replace the existing water tank by two 5,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Use existing compound tiles as a pad.	Vertical	2	Ground Floor
760	Replace the existing water tank by two 4,000liter capacity tank. The new location is near generator. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Use existing compound tiles as a pad.	Vertical	2	Near generator area
836	Add one additional water tank with 4,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Use existing compound tiles as a pad.	Vertical	1	Water meter to be relocated
828	Add two additional water tanks with 4,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	In the place of existing ground water tanks

846	Add one additional water tank with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Use existing compound tiles as a pad.	Vertical	1	In parking area
761	Add one additional water tank with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system (about 30meter). This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	1	Prepare new concrete pad for the water tank seat.
718	Add two additional water tanks with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	New location near generator
725	Replace the existing water tank by two 4,000liter capacity tank. The new location is near generator. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	in the place of the existing water tanks

830	Add one additional water tank with 4,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Use existing compound tiles as a pad.	Vertical	1	in the place of the existing water tanks
892	Replace the existing water tank by two 5,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	About 45m water pipe installation is needed
645	Add one additional water tank with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	1	Near the water tank
625	Replace the existing water tank by two 5,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	In the place of the existing water tanks

792	Add one additional water tank with 5,000liter capacity. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	1	Near the water tank
659	Replace the existing water tank by two 5,000liter capacity tank. Connect the city water line to the new WT and from new WT to the house water system. This includes, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	In the place of the existing water tanks
841	Replace the existing water tank by two 4,000liter capacity tank. The new location is near generator. Connect the city water line to the new WT and from new WT to the house water system. This includes, electrical control switch, water pump connection, electrical float switch connection, pipe installation with all necessary control valves. Prepare new concrete pad for the water tank seat.	Vertical	2	In the place of the existing water tanks

General

1. All work is to comply with the local building regulations.
2. The contractor will rectify any damage **to all areas** on completion of the works.
3. The contractor shall supply all materials and labor to complete the works.
4. All waste material to be taken from site and disposed of by the contractor.
5. Site is always remained tidy and cleaned up on completion of works.
6. All work to be carried out in a workmanship like manner.

7. All documentation regarding warranties, guarantees and instructional literature are to be handed to the GSO representative.

8. All care must be taken to protect the foliage and buildings within the property.

9. The contractor must always use proper safety procedures and his/her worker must be properly attired in the correct safety PPE.

10. Any variations are to be priced and approved in writing by GSO before proceeding with the work.

11. All measurements are to be confirmed by the contractor on site.

NOTE: Any damage caused by the Contractor, or his contractors is to be made good at the contractor's expense.

CONTRACTOR PROVISIONS

The contractor shall supply everything necessary for the execution and completion of the work.

WORKING HOURS

Working hours are to be 0800 to 1700. No work is to take place outside these hours unless GSO has given agreement.

SITE PREPARATION AND CLEANING UP

The Contractor shall always keep the work area, including storage areas, free from accumulations of waste materials. Before completing the work, the Contractor shall remove the work and premises any rubbish, tools, scaffolding, equipment, and materials that are not the property of the Government. Unsightly materials and debris including, garbage, and equipment should be removed as required; while materials should be scheduled for delivery only as required for immediate use.