

SCOPE OF WORK (SoW)

Construction of Double-Cabin (2 Doors) VIP Latrines in Health Facilities

Project Overview & Objective

The objective of this project is to construct high-standard, durable, and inclusive Double-Cabin VIP (Ventilated Improved Pit) Latrines within designated health facilities across Baridah and Huddaf, (Tumbol, Sharg Aljazira locality). The contractor shall provide all necessary labor, materials, equipment, mobilization, and technical supervision required to complete the works fully in accordance with the specifications, engineering standards, and Bill of Quantities (BoQ) provided herein.

Scope of Works

The Contractors works includes but is not limited to:

1. Site Preparation and Excavation

- Site Mobilization: Transport all required tools, plant equipment, construction materials, and human resources to Baridah & Huddaf sites safely and efficiently. Demobilize upon project completion.
- Pit Excavation: Excavate pit substructure in normal soil down to 3.0m depth from Ground Level (GL). Clear dimensions must be maintained at 3.7m x 2.7m to adequately accommodate structural lining.

2. Superstructure Brickworks & Finishings

- Pit Sub-grade Lining: Construct solid cement brickwork/blockwork (200mm thick) using 1:4 cement-sand mortar up to a depth of 2.9m.
- Superstructure & Privacy Walls: Build solid blockwork (200mm thick) for superstructure walls including lintels up to 3.0m height, and privacy walls up to 2.0m height.
- Plastering & Painting: Apply internal and external plastering (15mm thick, 1:3 mortar) with a smooth trowel finish across all walls (total 75.8 m²). Supply and apply high-quality oil paint to both internal and external surfaces.

3. Concrete, Reinforcement and Floor Work

- Reinforced Slabs & Beams: Supply materials and cast reinforced concrete slabs and beams in a 1:2:4 mix ratio with Y12 bars spaced at 150mm c/c.
- Lean Concrete: Provide and pour lean concrete (Class C15) blended mix, 100mm thick for pit bottom and 50mm thick for access ramps.

- Flooring: Cast floor over the top slab within the latrine and finish with durable rough tiles laid properly (5.58 m²).

4. Roofing, Doors/Windows and Ventilation

- Roofing: Construct flat roof using rectangular steel bars (4x8 cm, 1mm thickness) and 0.35-gauge zinc sheeting (9.99 m²).
- Openings & Hardware: Fabricate and install steel doors (1.0m x 2m and 0.75m x 2m) and windows (0.3m x 0.3m), fully coated with anti-rust primer and approved oil paint.
- Ventilation System: Install 150mm diameter heavy-duty PVC ventilation pipes (6,000mm length) complete with structural wall brackets and stainless-steel fly-proof mesh screens (mesh size < 1mm) secured at the top.

5. Lighting & Solar Systems

- Indoor Lighting: Supply & install Solar Indoor Pendant Lights featuring a dual-lamp setup, built-in lithium battery (up to 1,000 lumens), automated dawn-to-dusk sensor, and an 8-meter range remote control.
- Outdoor Lighting: Supply & install 600W all-in-one waterproof outdoor solar light featuring dusk-to-dawn automation, PIR motion sensor, and remote control functionality.

6. Plumbing, Fixtures & Fittings

- Water Supply & Taps: Install 1/2" brass faucet/tap connected with 1/2" PPR vertical riser, connection pipes, and full fittings (elbows, tees, sockets, thread seal tape). Install 1/2" standard brass ball control valves at inlets for maintenance isolation.
- Sanitary Fixtures: Install molded PWD-compliant raised ceramic toilet seat pedestal (450mm height) with robust lid, and a heavy-duty squatting plate with integrated footrests and optimal drop-hole dimensions.
- Accessibility & Safety: Install stainless steel (SUS316) L-shape safety grab bars (35mm diameter) inside the PWD cubicle, and galvanized iron continuous dual-tier handrails (750mm and 900mm height) along the external access ramp (9m).
- Handwashing & Signage: Install a mechanically operated handwashing stand in each latrine.

7. Paint donor and ACTED logos on the external wall and fix clear gender-segregated signage.

General Terms, Quality & Safety Standards

Workmanship & Materials: All materials supplied must be brand new and of high commercial grade, matching or exceeding the specifications outlined in the BoQ. Substandard materials will be rejected immediately by ACTED engineers.

Timeline & Site Safety: The contractor is responsible for maintaining a clean, hazard-free work site, providing adequate personal protective equipment (PPE) for workers, and completing works within the mutually agreed project schedule which is estimated to be 1 month after the site handover to the contractor.

Inspection & Handover: The contractor must accommodate interim site inspections by ACTED technical monitors during critical construction phases—specifically foundation casting, structural blockwork, and final plumbing and solar testing. Final handover is conditional upon complete project execution and the satisfactory resolution of any snagging issues identified during joint inspections.