**HH latrine BOQ – Gedaref WASH Sector Standard**

**Notes: 1) All costs are in US Dollars (US$); 2) this BOQ is for HH latrine construction by contractors.**

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| SN | **Description** | **Unit** | **Quantity** | **Unit price** | **Amount** |
| **A** | **Substructure** |
| 1 | Excavate circular pit from ground level to a total depth of 3 M, with pit diameter of 2. All excavated soils to be removed from the site. | M3 | 9.42 |  |  |
| 2 | Supply materials and cast reinforced foundation slab of dimensions measuring 2 M diameter and 10 CM thickness of concrete mix ration of 1:3:6. The reinforcement bars should be 10 MM in size, placed at 15 CM center/center, as per the drawings provided.  | M3 | 0.314 |  |  |
| 3 | Supply materials and build brick wall lining with the thickness of one brick size on header bond using 1:6 mortar mix ratio. The pit lining should extend 40 CM above the ground level.  | M2 | 13.2 |  |  |
| 4 | Backfill and compact properly in layers of maximum 20 CM from the depth of the pit up to the ground level.  | M3 | 3.4 |  |  |
| 5 | Supply materials and cast reinforced concrete slab on top of the pit lining of dimensions measuring 1.9 M diameter and 10 CM thickness in concrete mix ration of 1:2:4. The reinforcement bars should 10 MM in size, placed at 15 CM center/center, as per the drawings provided. | M3 | 0.28 |  |  |
| **B** | **Superstructure** |
| 6 | Supply materials and install metal frames of dimensions measuring 30\*60\*3 MM, firmly fixed in 45 CM deep holes using concrete mix ratio of 1:3:6. The metals frames should well-painted using oil paint to resistant harsh weather conditions. The height of the metal frames should not exceed 2.7 M in front and 2.4 M at the back both measured from the ground level, as per the drawings provided.  | L/S | 1 |  |  |
| 7 | Supply and install CGI (Zinc) sheet of gauge 30, as roof on top of the frames and cover walls on all the sides of the framed metallic structure including privacy wall. The covering must be firmly fastened against the framed metallic structure using metallic frames of dimensions measuring 25\*50\*1 MM, which should be fixed by welding and nailing in 3 rows on the inside of the latrine superstructure to hold the CGI (zinc) sheets in place. | M2 | 19.22 |  |  |
| 8 | Supply and install 50 MM thick door shutters of dimensions measuring 2 M high and 80 CM wide that should be fitted on to rectangular metallic door frame (angle bars) 4\*6 CM and 3 MM thick, covered with CGI (zinc) sheets of 30 gauge. This should be fixed using capped wire nails, with 2 hooks at top door frame internally. The doors should be installed using 100 MM sized hinges in at 2 locations minimum, complete with 150 MM sized steel pad bolt and latch bolts including accessories. | No. | 2 |  |  |
| 9 | Supply and install 4-inch diameter PVC ventilation pipe of 3mm thickness. The top of the PVC pipe should have ventilation cap and plastic mesh fixed.  | Pce | 1 |  |  |
| 10 | General site landscaping, clearance and making site environmentally acceptable and safe for users | L/S | 1 |  |  |