Bill of Quantities for renovation of TB ward and External Washroom facilities at Yei Civil Hospital in Yei Town

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| **No.** | **Item** | **Unit** | **Qty** | **Unit rate (USD)** | **Amount (USD)** |
| **1** | **Contractors general obligation** |   |   |   |   |
| 1.1 | Preconstruction, mobilization and demobilization  | Lump sum | 1 |   |   |
|   | **Sub-total 1** |  |  |  |  |
| **2** | **Site clearance, ground preparations, removal Collapsed roof and Ceiling** |  |  |  |   |
| 2.1 | Site clearance and disposal of all waste materials arising from clearing | m2 | 625 |   |   |
| 2.2 | Removal of the existing collapsed roof and concrete ceiling ,sorting the waste materials  | m2 | 300 |  |   |
|   | **Sub-total 2** |  |  |  |  |
| **3** | **Sub-structure** |   |   |   |   |
| 3.1 | Excavation of foundations footings for circular columns  | m3 | 25 |   |   |
| 3.2 | Casting Plain Concrete (1:2:4) to 100mm thick for the footing base, all including forms works as describe in the drawing | m3 | 2.5 |   |   |
| 3.3 | Casting Reinforced concrete (1:2:4) for the footing at thickness of 30 cm, short column of 0.4 m dia, great beam (0.3 X 0.3 m) and extension of the existing rams all including form works and proper curing as shown in the drawing | m3 | 7 |   |   |
| 3.4 | High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing for footing basement, short columns, beam and rams. | Kg | 247 |   |   |
| 3.5 | Imported marram (gravel) well spread levelled and compacted in all the footings. | m3 | 11.25 |   |   |
|   | **Sub-total 3** |  |  |  |  |
| **4** | **Super-structure** |   |   |   |   |
| 4.1 | High tensile steel bars (12mm and 8mm) including cutting bending tying, hooking and fixing for circular columns and ring beam (0.25X0.25m). | Kg | 235 |   |   |
| 4.2 | Casting concrete (1:2:4) to circular columns of 0.4 m diameter and ring Beam all including forms works | m3 | 6.26 |   |   |
| 4.3 | Removal of collapsed wall and wall with major crack and reconstruct in well burnt clay red bricks together with ventilation bricks. | m2 | 30 |   |   |
| 4.4 | Construct 200mm thick wall on the ring beam and super-structure wall with well burnt clay bricks/ concrete solid blocks bedded and jointed in cement sand (1:4) mortar together with ventilation brick. | m2 | 30 |   |   |
| 4.5 | ***Roofing***  Supply all required items and construct roof as per the drawing (hard timber rafter 6"X2", timber purlins 4"X2", tie beam 8X2 hard timber, Joint members 4X2 all joint are tied with metal plate and painted in wood preserver and nailed with plastic rubber) timber facia boards 9"X1" including painting, preprinted corrugated roofing sheets gauge 28) as details in the drawing | m2 | 300 |   |   |
|   | **Sub-total 4** |  |  |  |  |
| **5** | **Finishes** |   |   |   |   |
| 5.1 | Internal and external plastering 13mm thick with 1:4 cement sand mortar | m2 | 120 |   |   |
| 5.2 | Rendering/ smoothing concrete floor and aproned with cement then painted for the ward, external latrine and the bathing rooms | m2 | 470 |   |   |
| 5.3 | ***Painting***  Prepare surface, re- apply primer coats and three coats of plastic emulsion paint to external and internal rendered surfaces for the wards, latrine and the bathing room (interior bathroom should be painted in oil paint)  | m2 | 945.80 |   |   |
|   | **Wooden Ceiling:**  Use 3X2 hard timber from inside as support for wooden board of 6 mm and 2x 1 for joins from the outer part then painted with emulsion  | m2 | 420 |   |   |
|   | **Plumbing:**  Revising and replacing weak and damaged plumbing connections for both water and sewage system and supplying all necessary requirements (hand washing sinks metallic and ceramic, tape etc.) and the bathing rooms. Installation water station with 4 taps ,connect the ward to the hospital main ward distribution and testing. | Lump sum | 1 |   |   |
|   | **Electrical work** Revising electrical wiring, supply and install all the damaged lamps, caples, etc. and testing  | Lump sum | 1 |   |   |
|   | **Sub-total 5** |  |  |  |  |
| **6** | **Fittings** |   |   |   |   |
| 6.1 | Repair and re- painting all the existing doors (Metallic and wooden) and fixing all the broken glasses at the metallic doors and each with new locks | No | 11 |   |   |
| 6.2 | Repair all the broken glasses, mosquito mesh and re-painting all the existing windows of the ward  | No | 11 |   |   |
| 6.3 | Replacing all the doors for the external latrine and the bathing rooms in metallic doors including fabrication painting and installation and introducing 2 door at the entry of the toilets | No | 26 |   |   |
| 6.4 | Supply and install 1.5 inched dia galvanized circular hollow section hand rails at edges of the ramps | M | 30 |   |   |
| 6.5 | connecting the ward with water from the hospital's main distribution using PPR 2'' pipe, introducing control chamber and repairing all the water taps, includes excavation, pipe installations, other accessories and testing. | M | 96 |   |   |
| 6.6 | Construct a well burnt red brick hand washing facility of height 1.2 M, length 1.5M and width of 0.6M with 2 taps connected to the water source and the waste pipe is insert in the ground ( Soak away) | Lump sum | 1 |   |   |
|   | **Sub-total 6** |  |  |  |  |
|  | **Grand Total** |  |  |  |  |