

BOQ for construction of 02 blocks VIP latrine each with 02 stance in Cueibet and Rumbek North counties both in Lakes state.

| Element | Item Description | Unit | Quantity | Unit Rate USD | Amount USD |
|----------------|---|----------------|-----------------|----------------------|-------------------|
| A | <u>GENERAL ITEM</u> | | | | |
| A.1 | Allow for mobilization personnel and materials on site | Item | 1 | | |
| | Sub-Total A Carried to Summary | | | | |
| B | <u>EXCAVATIONS AND EARTHWORKS</u> | | | | |
| | Unless otherwise stated, Rate shall include for | | | | |
| | a) back filling with selected excavated material & Consolidating. Surface treatment; compaction before filling / foundation. | | Note | | |
| | b) disposal of surplus soil as directed & keeping all excavations free from water unless other wise Measured separately. | | Note | | |
| | c) Any additional excavation for working space. | | Note | | |
| | <u>Excavation & Earthwork Supports</u> | | | | |
| B.1 | Clearing and preparation of the site including cutting down and removal of top soil up to a depth of 150mm and extend up to 3m beyond the outer walls of the building & levelled around the latrine in flood resistant manner with slope to the ground level | M ² | 15.00 | | |

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| B.2 | Excavation of pit for brick lining up to 3000mm deep 2,000mm wide and 2,000mm length in any material except rock requiring blasting and removal of surplus As directed. | M ³ | 18.00 | |
| B | Sub-Total B Carried to Summary | | | |
| C | <u>CONCRETE WORKS</u> | | | |
| | Rate shall include for form work depositing, handling, hoisting into position, vibrating, curing etc. and making good work out come after removal of formwork etc. | | Note | |
| | Reinforcements are paid separately unless otherwise specified in the item | | Note | |
| | <u>In Situ Concrete</u> | | | |
| C.1 | Supplying and placing of Gr.20 concrete as specified to | | Note | |
| C.2 | 150mm thick for grade slab | M ³ | 2.18 | |
| C.3 | 200mm x 200mm lintel and columns | M ³ | 0.96 | |
| C.4 | 75mm thick for corridor blinding | M ³ | 1.20 | |
| | <u>Formwork as specified : to</u> | | | |
| C.5 | Sides and soffits of suspended slabs | LM | 25.00 | |
| C.6 | Lintel edges and basement columns | LM | 48.00 | |
| | <u>Reinforcement</u> | | | |

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| | Rate to include for supplying, cleaning, cutting, bending, fabricating, placing and the provision of all necessary temporary fixings and supports etc. including binding wires, bends, hooks, tying wires, chairs, distance blocks, steel separators/spacers | | | |
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| | Tor steel reinforcement (to BS 4449 and characteristic strength $f_y = 460\text{N/mm}^2$) and Mild steel reinforcement (to BS 4449 and characteristic strength $f_y = 250\text{N/mm}^2$) | | | |
| | | | | |
| C.8 | R6 mild steel reinforcement bars for lintel rings | Kg | 30.00 | |
| C.9 | 12mm mild steel reinforcement bars | Kg | 225.00 | |
| C.10 | BRC142 mesh wire in slab | M ² | 6.00 | |
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| C | Sub-Total C Carried to Summary | | | |
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| D | <u>MASONRY WORKS</u> | | | |
| | | | | |
| | Rate shall include for lifting, handling, weighting all brick works | | Note | |
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| | <u>Masonry Work</u> | | | |
| | | | | |
| | <u>Up to grade slab level</u> | | | |
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| D.1 | 230 mm Thick solid burnt brick walls in cement sand (1:4) mortar in plinth and basement walls. | M ² | 35.30 | |
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| | <u>Super Structure Walls</u> | | | |
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| D.2 | 230 mm Thick solid burnt brick walls in cement sand (1:4) mortar in superstructure wall including curtain walls and partition walls both for rooms. | M ² | 40.79 | | |
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| D | Sub-Total D Carried to Summary | | | | |
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| E | THERMAL AND MOISTURE PROTECTION | | | | |
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| | <u>Damp Proof Course</u> | | | | |
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| E.1 | Horizontal damp proof course : bituminous: laid Horizontally on screeded 230 mm thick (1:3) screeded beds to receive block walls. | M ² | 4.00 | | |
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| E | Sub-Total E Carried to Summary | | | | |
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| F | STRUCTURAL TIMBERWORKS | | | | |
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| | Rate shall include; | | Note | | |
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| | All, rivets, nails, clips, strips and delivering and fixing in position. | | Note | | |
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| F.1 | Supplying and fixing wall plate 100 x 75 in front and Behind. | LM | 7.20 | | |
| | | | | | |
| F.2 | Supplying and fixing 100x50mm rafters@1.6m intervals | LM | 13.00 | | |
| | | | | | |
| F.5 | Supplying and fixing of 75x50mm purlins on rafters | LM | 13.00 | | |
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| F | Sub-Total F carried to Summary | | | | |
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| G | <u>ROOFING</u> | | | |
| | Rate shall include; | | Note | |
| | All, rivets, nails, clips, strips and delivering and fixing in position. | | Note | |
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| | <u>Roof Covering</u> | | | |
| G.1 | Supplying & fixing of gauge 30 pre-painted (Uganda bati) roofing sheets of approved color: fixed with roofing nails on 75 x 50mm purlins | M ² | 15.00 | |
| | | | | |
| | <u>Fascia / Barge Board and PVC Vent pipes</u> | | | |
| G.3 | 25x225mm high timber valance board / barge board fixed to edges of rafters including necessary fittings screws and nails etc.: including wood preservative and painting as required | LM | 12.00 | |
| | | | | |
| G.4 | Provide and install-4" PVC vent pipe complete with vent caps and 2-3/8" diameter -4m long | No | 1.00 | |
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| | G Sub-Total G Carried to Summary | | | |

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| H | <u>METAL WORKS-DOORS AND WINDOWS</u> | | | |
| | <u>Metal doors</u> | | | |

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| H.1 | Metallic door set, Type D1 , of size 800x2100mm high overall, comprising of 50 x50 x 3mm frame :Single leaf single sash: include for all necessary door locks, iron monger, final finish, & fixing to concrete or block work | No. | 2 | |
| | | | | |
| | Ventilators | | | |
| H.2 | Metallic window, Type W1 , size 400x200mm high overall, comprising of 25 x 25 3mm metallic window frame and 04 nos. vertical rails. Include all necessary hungers and fasteners. | No. | 2 | |
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| H Sub-Total H Carried to Summary | | | | |
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| I | FLOOR, WALL, RAMPS AND FINISHES | | | |
| | <u>Wall Finishes</u> | | | |
| | | | | |
| I.1 | 15mm thick cement & sand (1:3) plaster finished semi rough with wood float on external faces , on brick walls or concrete surfaces | M ² | 34.79 | |
| | | | | |
| I.2 | 12mm thick cement lime sand (1:4) plaster finished smooth with lime putty or approved equivalent on internal faces , brick walls, or concrete surfaces. (finishes to basement walls) | M ² | 56.00 | |
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| | <u>Floor finishes</u> | | | |
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| I.3 | 50mm. thick cement and sand 1:3 screed finished smooth with cement floating. | M ² | 10.68 | | |
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| | <u>Apron and Ramps</u> | | | | |
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| I.4 | Allow for apron construction using burnt bricks in 1:4 mortar (rate shall include for all concrete casting and finishes) | M ² | 8.00 | | |
| | | | | | |
| I.5 | Ramps constructed using burnt bricks in 1:4 mortar mix. (rate shall include for all finishes) | No. | 1 | | |
| | | | | | |
| I | <u>Sub-Total J Carried to Summary</u> | | | | |
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| J | <u>PAINTING</u> | | | | |
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| | Rate shall include for preparation of surface cleaning down, smoothing, knotting, stepping etc. protection of floors and fitting, removing & replacing door and window, furniture, and cleaning windows etc. Upon Completion. | | | | |
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| | <u>Walls</u> | | | | |
| | | | | | |
| J.1 | Prepare and apply one coat of primer and two coats of weather shield paint of approved color and quality to external faces of walls | M ² | 40.79 | | |
| | | | | | |
| J.2 | Prepare and apply one coat of primer and two coats of emulsion paint of approved color and quality to internal faces of walls | M ² | 56.00 | | |
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| J | <u>Sub-Total K Carried to Summary</u> | | | | |

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| | SUMMARY |
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|----|---|--|----|---|
| 1 | Sub-Total A = General Items | | \$ | - |
| 2 | Sub-Total B = Excavation & Earth | | \$ | - |
| 3 | Sub-Total C = Concrete Work | | \$ | - |
| 4 | Sub-Total D = Masonry Work | | \$ | - |
| 5 | Sub-Total E = Thermal & Moisture Protection | | \$ | - |
| 6 | Sub-Total F = Structural Timber Works | | \$ | - |
| 7 | Sub-Total G = Roof covering | | \$ | - |
| 8 | Sub-Total H = Metal Works-Doors | | \$ | - |
| 9 | Sub-Total I = Floor, Ramp and Wall Finishes | | \$ | - |
| 10 | Sub-Total J = Painting | | \$ | - |

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|--|--|--|--|----|---|
| | TOTAL COST FOR 01 BLOCK OF 02 STANCES | | | \$ | - |
| | | | | | |
| | GRAND TOTAL COST FOR 02 BLOCK OF 02 STANCES | | | \$ | |

