| Item | Description of Work/Items | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ** | | | | |
| | **MARKA TOWN - SOUTHWEST STATE** | | | | |
| | | | | | |
| | **SECTION 2: CLASSROOMS** | | | | |
| | **ELEMENT NO.1 GENERALS** | | | | |
| A | Pre-construction work, mobilisation activities | LS | 1 | | |
| B | Post construction works and clean up. | LS | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.2 DEMOLITIONS AND ALTERATIONS ( All the site)** | | | | |
| A | Repair the wall cracks using sand/cement mortar mix ratio 1:4 and Y12 steel bars inserted into the wall perpendicular to the cracks for internal and external | lm | 1 | | |
| B | Hack and demolish existing old plastering internal and external walls and cart away debris | $m^2$ | 1332 | | |
| C | Demolish existing hollow block wall above the old existing roof | lm | 1 | | |
| D | Demolish existing main Entrance roof structure | sm | 134 | | |
| E | Cart away as drected | lm | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.3 WALLING** | | | | |
| | **WALLING** | | | | |
| | RUBBLE STONE FOR ABOVE THE EXISTING FINAL BEAM | | | | |
| | 400mm thick natural stone rubble stone bedded and jointed in cement and sand (1:4) mortar, compacted and laid in stages of 100mm | | | | |
| A | 400mm thick superstructural walling | $m^3$ | 94 | | |
| | | | | | |
| | 200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in: | | | | |
| B | 200mm thick superstructure walling including Veranda walling | $m^2$ | 333 | | |
| | | | | | |
| | ACCESSORIES/SUNDRY ITEMS FOR BLOCK WALLING | | | | |
| C | Damp proof courses on surfaces not exceeding 200 mm wide | LM | 333 | | |
| | **Sub-Total for Walling** | | | | |
| | **Element No.4 Concrete work** | | | | |
| | Concrete work | | | | |
| A | Final tie beam | CM | 27 | | |
| B | 10cm thick RCC Slab above the main Entrance | CM | 14 | | |
| | Reinforcements | | | | |
| | High tensile, square twisted bar reinforcement to BS 4461; : including bends, hooks, tying wire, distance blocks and spacers | | | | |
| C | 8mm Bars | lm | 1082 | | |
| D | 10mm Bars | lm | 2205 | | |
| | Sawn formwork to: | | | | |
| E | Sides of the final tie beam and the Entrance roof slab | SM | 266 | | |
| | **Flooring** | | | | |
| F | Hack and demolish existing floor finishes on including cement/sand screed and cart away debris | $m^2$ | 760 | | |
| | **cement and sand (1:3) screed, backing, beds etc** | | | | |
| G | 20mm bed finished to receive Non-slip ceramic floor tiles (m.s) | $m^2$ | 760 | | |
| | **Non-slip ceramic floor tile** | | | | |
| H | 300X300 x 8mm thick coloured Ceramic Tiles laid to pattern and shape | $m^2$ | 760 | | |
| I | 100 x 20mm skirting | ml | 182 | | |

| | | | | | |
|---|---|---|---|---|---|
| | **Sub-Total carried to summary** | | | | |
| | **Element No.5 DOORS** | | | | |
| A | Remove defective timber doors and store | each | 13 | | |
| | | | | | |
| | **45mm thick solid core flush door to B.S 459: parts faced both sides with 6mm mahogany veneered plywood and lipped on all edges in hardwood, including all planted moulding. Complete with hinges and locks** | | | | |
| B | 50mm thick door overall size 1200x2150mm high | each | 13 | | |
| | **Main Gates** | | | | |
| C | Supply and fix double leaf steel gate size 4000x 2100mm high with small pedestrian door made from 3mm thick steel plate welded on both sides of the frame. Frame as follows: 75x50x3mm thick RHS external members and 25mm SHS 3mm thick secondary members, fixed onto the concrete columns using heavy duty steel pin hinges; with all fastening accessories including all cutting welding, grinding and priming with one coat of grey oxide before fixing. The gate should also have peep holes of not more that 25mm dia with a slilding door. It should also have 2 locking mechanisms, top and bottom. | each | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.6 WINDOWS** | | | | |
| | **supply and install aluminium casement windows complete with opening accessories and permanent vents for the full width of window as detailed including cuMBng and 4mm thick toughened glazing fixing lugs to wood frame and pointing all round frames** | | | | |
| A | Window size 1500x1000mm high | each | 18 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.7 ROOFING** | | | | |
| A | Carefully remove the existing roof cover including fascia board, gutter and downpipes and any damaged trusses and purlins, cart away debris make good disturbed surface to recive a new roof. | $m^2$ | 680 | | |
| | **Corrugated Cement profiled roof sheets as manufactured by Mabati Rolling mills Ltd or other equal & approved, including selfdrilling screws fixed to timber purlins of rafters** | | | | |
| B | Reinstall Roof covering not exceeding 35 degrees from the horizontal including all necessary fixtures use rafters with 100 x 50mm, for tie beam use 150 x 50mm, purlins 75 x 50mm including rag bolted with bar | $m^2$ | 680 | | |
| | **uPVC** | | | | |
| C | 200 mm x 10 mm white gloss uPVC Fascia board | m | 680 | | |
| | **Rain water goods** | | | | |
| | | | | | |
| D | 115 mm uPVC square gutter fixed to fascia boards with and including approved brackets at 500 mm centres | m | 136 | | |
| | | | | | |
| E | Extra over gutter for stopped ends | each | 2 | | |
| | | | | | |
| F | Ditto but for 100 mm diameter outlet | each | 2 | | |
| | | | | | |
| | **Downpipe** | | | | |
| | | | | | |
| G | 100 mm diameter uPVC downpipe fixed to wall with and including holder butts at 500 mm centres | m | 48 | | |
| | | | | | |
| H | Extra over downpipe for swanneck 1,200 mm long | each | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.8 CEILING** | | | | |
| A | Carefully remove damaged ceiling section and cart away the arising debris make good disturbed surfaces to receive new ceiling | $m^2$ | 680 | | |
| B | Supply & fix 6mm thick chipboard ceiling boards including original color including verandah | $m^2$ | 680 | | |
| | **Sub-Total carried to summary** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | **ELEMENT NO.9 FINISHES** | | | | |
| | **PLASTERING** | | | | |
| | **12mm cement sand plaster, with steel trowelled finish, as described to:-** | | | | |
| **A** | Internal and External Sides of hallow block walls and concrete surfaces | sm | 2664 | | |
| | **Allow for PCC vents** | | | | |
| B | allow fix and install pcc vent for decoration of verandah, also above doors, window etc. as per drawing with upper copping | sm | 20 | | |
| | **ELECTRICAL INSTALLATION AND SERVICES** | | | | |
| | **Lighting Fittings** | | | | |
| | **Supply and install following lighting fixtures with all accessories as per the specifications and drawings and complete with lamp fitting and accessories of Engineer or approved make.** | | | | |
| A | Type 4S - 4x18w surface mount flourescent light fitting | No | 24 | | |
| C | 150W LED floodlight | No | 5 | | |
| | **Switches** | | | | |
| D | 5 Amps one gang one way switch | No | 6 | | |
| E | 5 Amps two gang one way switch | No | 12 | | |
| | **Socket outlets** | | | | |
| | **Supply and installation of fused shuttered switched socket outlet to comply with relevant BS standard (Clipsal, Orange, Crabtree/ Tenby/ABB or equivalent). Wiring (including supply of earth wire and all other material required) of above socket outlet using approved type 2.5mm² PVC/PVC copper cable and 2.5mm² earth wire drawn through securely fixed concealed PVC conduit in a ring circuit. Socket outlet points** | | | | |
| F | 13 A twin sockets outlet | each | 20 | | |
| | **Cables, Cable pathways and Conduits** | | | | |
| | **Supply, install, test and commission 450/750 volts 6491X cables with all required accessories for proper installation and operation including conduits, pipes( each cable in separate conduit or pipe), cable lugs, ties... etc. as shown on drawing, as per the preamble, the specifications and supervision engineer's requirements.** | | | | |
| G | Supply, install and connect complete 1.5 sq. mm colour-coded SC cables to lighting points drawn in Concealed /surface 20mm HG PVC conduits, complete with draw boxes, switch boxes and other necessary accessories. | M | 350 | | |
| H | Supply and install two compartment floor recessed metallic electrical floor box with flap cover complete with lifting handle, cable cable flaps, as Crabtree Britmac or equal and approved | No | 1 | | |
| I | 3 speed box fan with 20 inch blades | No | 10 | | |
| | **Water Tank** | | | | |
| N | Elevated rcc structure and Plastic water tank 2000litre with it is pipe connections as per the site engineer approval | LS | 1 | | |
| O | Final cleaning inside /outside and area surrounding the site and land scaping | lm | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.10 PAINTING** | | | | |
| | **Prepare and apply one undercoat and two finishing coatsfirst grade plastic emulsion paint as silk vinyl to:-** | | | | |
| A | Internal and External Sides of hallow block walls and concrete surfaces | m2 | 2664 | | |
| | **Sub-Total carried to summary** | | | | |

**Description of Work/Items**

| Item | SUMMARY OF COMPONENT | Unit | Qntty | Rate | Amnt USD |
|---|---|---|---|---|---|
| | Currency: | | | | |
| | Project No: | | | | |
| | Project Title: | | | | |
| | Location: | | | | |
| | Tender No: | | | | |
| | Tender Title: | | | | |
| | Original Issue: | | | | |

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|---|---|---|---|---|---|
| | | | | | |
| | ELEMENT NO.1 GENERALS | | | $ | - |
| | ELEMENT NO.2 DEMOLITIONS AND ALTERATIONS ( All the site) | | | $ | - |
| 1 | ELEMENT NO.3 WALLING | | | $ | - |
| 2 | Element No.4 Concrete work | | | $ | - |
| 3 | Element No.5 DOORS | | | $ | - |
| 4 | Element No.6 WINDOWS | | | $ | - |
| | Element No.7 ROOFING | | | $ | - |
| 6 | Element No.8 CEILING | | | $ | - |
| 7 | ELEMENT NO.9 FINISHES | | | $ | - |
| | ELEMENT NO.10 PAINTING | | | | $ - |
| 8 | **Grand Total** | | | | $ - |

| Item | Description of Work/Items | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ** | | | | |
| | **MARKA TOWN - SOUTHWEST STATE** | | | | |
| | | | | | |
| | **SECTION 3: CAFETERIA** | | | | |
| | **ELEMENT NO.1 GENERALS** | | | | |
| A | Pre-construction work, mobilisation activities | LS | 1 | | |
| B | Post construction works and clean up. | LS | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.2 DEMOLITIONS AND ALTERATIONS ( All the site)** | | | | |
| A | Repair the wall cracks using sand/cement mortar mix ratio 1:4 and Y12 steel bars inserted into the wall perpendicular to the cracks for internal and external | lm | 1 | | |
| B | Hack and demolish existing old plastering internal and external walls and cart away debris | $m^2$ | 512 | | |
| C | Demolish existing hollow block wall above the old existing roof | lm | 1 | | |
| E | Cart away as drected | lm | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.3 WALLING** | | | | |
| | **WALLING** | | | | |
| | RUBBLE STONE FOR ABOVE THE EXISTING FINAL BEAM | | | | |
| | 400mm thick natural stone rubble stone bedded and jointed in cement and sand (1:4) mortar, compacted and laid in stages of 100mm | | | | |
| A | 400mm thick superstructural walling | $m^3$ | 16 | | |
| | | | | | |
| | 200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in: | | | | |
| B | 200mm thick superstructure walling including Veranda walling | $m^2$ | 64 | | |
| | | | | | |
| | ACCESSORIES/SUNDRY ITEMS FOR BLOCK WALLING | | | | |
| C | Damp proof courses on surfaces not exceeding 200 mm wide | LM | 64 | | |
| | **Sub-Total for Walling** | | | | |
| | **Element No.4 Concrete work** | | | | |
| | Concrete work | | | | |
| A | Final tie beam | CM | 11 | | |
| | Reinforcements | | | | |
| | High tensile, square twisted bar reinforcement to BS 4461; : including bends, hooks, tying wire, distance blocks and spacers | | | | |
| C | 8mm Bars | lm | 208 | | |
| D | 10mm Bars | lm | 256 | | |
| | Sawn formwork to: | | | | |
| E | Sides of the final tie beam and the Entrance roof slab | SM | 25 | | |
| | **Flooring** | | | | |
| F | Hack and demolish existing floor finishes on including cement/sand screed and cart away debris | $m^2$ | 132 | | |
| | **cement and sand (1:3) screed, backing, beds etc** | | | | |
| G | 20mm bed finished to receive Non-slip ceramic floor tiles (m.s) | $m^2$ | 132 | | |
| | **Non-slip ceramic floor tile** | | | | |
| H | 300X300 x 8mm thick coloured Ceramic Tiles laid to pattern and shape | $m^2$ | 132 | | |
| I | 100 x 20mm skirting | ml | 82 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.5 DOORS** | | | | |
| A | Remove defective timber doors and store | each | 2 | | |
| | | | | | |
| | **45mm thick solid core flush door to B.S 459: parts faced both sides with 6mm mahogany veneered plywood and lipped on all edges in hardwood, including all planted moulding. Complete with hinges and locks** | | | | |
| B | 50mm thick door overall size 1200x2150mm high | each | 2 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.6 WINDOWS** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | **supply and install aluminium casement windows complete with opening accessories and permanent vents for the full width of window as detailed including cuMBng and 4mm thick toughened glazing fixing lugs to wood frame and pointing all round frames** | | | | |
| A | Window size 1500x1000mm high | each | 2 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.7 ROOFING** | | | | |
| A | Carefully remove the existing roof cover including fascia board, gutter and downpipes and any damaged trusses and purlins, cart away debris make good disturbed surface to recive a new roof. | $m^2$ | 132 | | |
| | **Corrugated Cement profiled roof sheets as manufactured by Mabati Rolling mills Ltd or other equal & approved, including selfdrilling screws fixed to timber purlins of rafters** | | | | |
| B | Reinstall Roof covering not exceeding 35 degrees from the horizontal including all necessary fixtures use rafters with 100 x 50mm, for tie beam use 150 x 50mm, purlins 75 x 50mm including rag bolted with bar | $m^2$ | 132 | | |
| | **uPVC** | | | | |
| C | 200 mm x 10 mm white gloss uPVC Fascia board | m | 55 | | |
| | **Rain water goods** | | | | |
| | | | | | |
| D | 115 mm uPVC square gutter fixed to fascia boards with and including approved brackets at 500 mm centres | m | 15 | | |
| | | | | | |
| E | Extra over gutter for stopped ends | each | 2 | | |
| | | | | | |
| F | Ditto but for 100 mm diameter outlet | each | 2 | | |
| | | | | | |
| | **Downpipe** | | | | |
| | | | | | |
| G | 100 mm diameter uPVC downpipe fixed to wall with and including holder butts at 500 mm centres | m | 18 | | |
| | | | | | |
| H | Extra over downpipe for swanneck 1,200 mm long | each | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.8 CEILING** | | | | |
| A | Carefully remove damaged ceiling section and cart away the arising debris make good disturbed surfaces to receive new ceiling | $m^2$ | 132 | | |
| B | Supply & fix 6mm thick chipboard ceiling boards including original color including verandah | $m^2$ | 132 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.9 FINISHES** | | | | |
| | **PLASTERING** | | | | |
| | **12mm cement sand plaster, with steel trowelled finish, as described to:-** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **A** | Internal and External Sides of hallow block walls and concrete surfaces | sm | 512 | | |
| | **Allow for PCC vents** | | | | |
| B | allow fix and install pcc vent for decoration of verandah, also above doors, window etc. as per drawing with upper copping | sm | 15 | | |
| | **ELECTRICAL INSTALLATION AND SERVICES** | | | | |
| | **Lighting Fittings** | | | | |
| | **Supply and install following lighting fixtures with all accessories as per the specifications and drawings and complete with lamp fitting and accessories of Engineer or approved make.** | | | | |
| A | Type 4S - 4x18w surface mount flourescent light fitting | No | 4 | | |
| | **Switches** | | | | |
| D | 5 Amps one gang one way switch | No | 1 | | |
| E | 5 Amps two gang one way switch | No | 4 | | |
| | **Socket outlets** | | | | |
| | **Supply and installation of fused shuttered switched socket outlet to comply with relevant BS standard (Clipsal, Orange, Crabtree/ Tenby/ABB or equivalent). Wiring (including supply of earth wire and all other material required) of above socket outlet using approved type 2.5mm² PVC/PVC copper cable and 2.5mm² earth wire drawn through securely fixed concealed PVC conduit in a ring circuit. Socket outlet points** | | | | |
| F | 13 A twin sockets outlet | each | 20 | | |
| | **Cables, Cable pathways and Conduits** | | | | |
| | **Supply, install, test and commission 450/750 volts 6491X cables with all required accessories for proper installation and operation including conduits, pipes( each cable in separate conduit or pipe), cable lugs, ties... etc. as shown on drawing, as per the preamble, the specifications and supervision engineer's requirements.** | | | | |
| G | Supply, install and connect complete 1.5 sq. mm colour-coded SC cables to lighting points drawn in Concealed /surface 20mm HG PVC conduits, complete with draw boxes, switch boxes and other necessary accessories. | M | 165 | | |
| H | Supply and install two compartment floor recessed metallic electrical floor box with flap cover complete with lifting handle, cable cable flaps, as Crabtree Britmac or equal and approved | No | 1 | | |
| I | 3 speed box fan with 20 inch blades | No | 5 | | |
| O | Final cleaning inside /outside and area surrounding the site and land scaping | lm | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO.10 PAINTING** | | | | |
| | **Prepare and apply one undercoat and two finishing coatsfirst grade plastic emulsion paint as silk vinyl to:-** | | | | |
| A | Internal and External Sides of hallow block walls and concrete surfaces | m2 | 512 | | |
| | **Sub-Total carried to summary** | | | | |

| | **Description of Work/Items** | | | | |
|---|---|---|---|---|---|
| **Item** | **SUMMARY OF COMPONENT** | **Unit** | **Qntty** | **Rate** | **Amnt USD** |
| | Currency: | | | | |
| | Project No: | | | | |
| | Project Title: | | | | |
| | Location: | | | | |
| | Tender No: | | | | |
| | Tender Title: | | | | |
| | Original Issue: | | | | |
| | | | | | |
| | | | | | |
| | ELEMENT NO.1 GENERALS | | | | |
| | ELEMENT NO.2 DEMOLITIONS AND ALTERATIONS ( All the site) | | | | |
| **1** | ELEMENT NO.3 WALLING | | | | |
| **2** | Element No.4 Concrete work | | | | |
| **3** | Element No.5 DOORS | | | | |
| **4** | Element No.6 WINDOWS | | | | |
| | Element No.7 ROOFING | | | | |
| **6** | Element No.8 CEILING | | | | |
| **7** | ELEMENT NO.9 FINISHES | | | | |
| | ELEMENT NO.10 PAINTING | | | | |
| **8** | **Grand Total** | | | | **$ -** |

| Item | Description of Work/Items | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ** | | | | |
| | **MARKA TOWN - SOUTHWEST STATE** | | | | |
| | | | | | |
| | **SECTION 4: Toilets (1 Block of 4 toilets)** | | | | |
| | **ELEMENT NO. 1 : SITE PREPARATION** | | | | |
| A | Pre-construction work, mobilisation activities | lumpsum | 1 | | |
| B | Post construction works and clean up. | lumpsum | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)** | | | | |
| | **Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material** | | | | |
| A | Top soil excavation average 200mm deep | sm | 25 | | |
| B | Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels | cm | 14 | | |
| | **Planking and strutting** | | | | |
| C | Allow for keeping foundations free from water, mud, fallen materials, etc. | ls | 1 | | |
| | **Disposal** | | | | |
| D | Return, fill and ram selected excavated material around foundations | cm | 10 | | |
| E | Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters | cm | 7 | | |
| | **Hardcore or other approved filling, as described** | | | | |
| F | 300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed | sm | 12 | | |
| | 50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polytheen sheeting (m.s) | sm | 12 | | |
| | **Anti-termite treatment** | | | | |
| G | Gladiator or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of blinding | sm | 12 | | |
| | **Damp-proof membrane** | | | | |
| I | 1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps) | sm | 12 | | |
| | **Sub-Total carried to summary** | | | | |
| | **Element No.3 Concrete work** | | | | |
| | Plain concrete class 15 in: | | | | |
| A | 50mm blinding | cm | 1 | | |
| | **Insitu concrete class 25/20 , vibrated and reinforced as described, in:-** | | | | |
| | BEAMS | | | | |
| B | Ground beam | cm | 6.3 | | |
| C | Ring beam 1 and 2 | cm | 5 | | |
| D | Columns | cm | 2 | | |
| | **SLABS** | | | | |
| E | 200mm thick surface bed laid in bays including all necessary formwork | cm | 2.5 | | |
| | **Ditto:** | | | | |
| F | Steps | cm | 0.6 | | |
| G | 150mm thick top roof laid in bays including all necessary formwork | cm | 4.2 | | |
| | **Reinforcement, as described:-[PROVISIONAL]** | | | | |
| | High yield square twisted reinforcement bars to B.S 4461 | | | | |
| | BEAMS | | | | |
| | GROUND BEAM | | | | |
| H | Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm2), Mass per unit length (0.888kg/m) | kg | 186 | | |
| I | R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm2), Mass per unit length (0.395kg/m) | kg | 60 | | |
| | RING BEAM 1 | | | | |
| J | Ditto for Y12 as main bars | kg | 138 | | |
| K | Ditto for R8 as rings | kg | 109 | | |
| | Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter ( measured net - no allowance made for laps (inclunding bends, tying wire and distance blocks) | | | | |
| L | Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed | sm | 11 | | |
| | Sawn formwork as described to:- | | | | |
| M | To edge of floor slab | sm | 3 | | |
| N | Ditto to sides of steps | sm | 2 | | |
| | **Sub-Total carried to summary** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | **ELEMENT NO. 4 : WALLING** | | | | |
| | **SUB-STRUCTURE WALLING** | | | | |
| | **Approved compacted hardcore fill bedded and jointed in cement sand mortar (1:4)** | | | | |
| A | 400mm thick rubble stone foundation walling | cm | 10 | | |
| | **200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:** | | | | |
| B | 200 mm thick reinforced in every third course | sm | 108 | | |
| | **Horizontal Damp Proof Course:one layer of 3-ply bituminous felt or other equal approved (measured nett-allow for laps)** | | | | |
| C | 200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar | sm | 108 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO. 5 : FINISHES** | | | | |
| | **Floor Finishes** | | | | |
| | **Cement and sand (1:3) screeds, backings, beds etc** | | | | |
| A | 25mm Thick cement/sand (1:4) screed (measured separately) | sm | 25 | | |
| | **Wall Finish** | | | | |
| | **15 mm cement and sand (1:3) render, finished with woodfloat to:-** | | | | |
| F | Concrete or masonry surfaces internally and externally Painting | sm | 216 | | |
| | **Fill uneven surfaces with stucco filler to approval and apply two coats soft white external textured paint to:** | | | | |
| G | Plastered and rendered surfaces | sm | 60 | | |
| | **Prepare and apply two undercoats of brilliant white emulsion paint (RAL Code 9001) and two finishing coats of first quality brilliant white Silk Vinyl emulsion paint (RAL Code 9001) to:-** | | | | |
| I | Plastered surfaces internally and externally | sm | 216 | | |
| J | Vent grills | sm | 15 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO. 6 : PLUMBING INSTALLATIONS** | | | | |
| | **PIPING** | | | | |
| | **Supply, deliver and install pipes, tubing and fittings as described and shown on the drawings. The pipes shall be PPR PN 20 pipes and all conforming to the current European standards for PPR installations and to the Engineers approval, pipe jointing shall be by polyfusion or use of electric coupling and to manufacturer's printed instructions. Rates must allow for all Metal/plastic threaded adaptors where required, valves, unions, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic material, expansion arms and bends, crossovers, couplings, clippings, connectors, joints and for the connection of sanitary fixtures etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers recommended testing procedures. The sizes indicated are the minimum bore sizes.** | | | | |
| A | Supply and install heavy duty PPR pipes including all connections | ls | 1 | | |
| | **SANITARY INSTALLATIONS** | | | | |
| | **Sanitary appliances complete with all the connections to services, waste, jointing to supply overflows and plugging and scewing to the floors. Where trade names are mentioned below, the reference is intended to be as a guide to the type of fitting.** | | | | |
| B | Pedestal wash hand basin in white vitreous china size 500x400 mm complete with 'Aztec' chromed taps and handles, a 32mm diameter chrome plated pop-up waste and a 32mm Caradon Terrain' plastic bottle trap. Wash hand basin to be as 'Twyford Galerie Design' or equal and approved | No | 2 | | |
| C | Supply and fix white glazed fireclay Oriental squatting W.C. suite (HARSA Type), or equivalent complete with plastic double action flushing cistern, and fixed chromium plated tap 1/2", including all water supply pipes ½", flushing mechanism, angle valves, 4" diam PVC drainage pipe to the nearest manhole as specification and drawings. as specification and drawings. | No | 4 | | |
| D | Recessed toilet roll holder in white vitreous china size 150x150 mm To be as 'Twyford' or equal and approved | No | 4 | | |
| E | Wall-mounted push-button soap dispenser complete with initial charge and mounting brackets. Soap dispenser to be as 'Star mix' or equal and approved | No | 4 | | |

| | | | | | |
|---|---|---|---|---|---|
| F | 6 mm thick polished beveled plate glass mirror size 610x610 mm on foam and 6 mm plywood timber backing in hard wood timber framing fixed on wall with dome headed brass screws | No | 4 | | |
| G | Supply and fix water storage plastic tank 1.5 m3 capacity with locks for cover, with approved type not less than 32 kg weight, complete with lockable cover, 1 inch diam. automatic float valve, overflow pipe (1"diam) and drip tray, with all connections for rising main and distribution pipe work and stop valves 1" with all accessories as specification and drawings, including painting tanks with white oil paint . | ls | 1 | | |
| H | Allow for all all connections, testing and commissioning of the sanitary fittings and accessories to the entire satisfaction of the Engineer. | Ls | 1 | | |
| I | Supply and Install a standby booster pump with capacity = 5 m3/hr and head equal 30 m. The item includes all the required fittings & equipments (valves, T, elbows, non return valves,. etc.), also the item includes steel box protection with lock, automatic operation device and connecting to electrical source with needed cables and all as Representative Engineer instructions as specification and drawings | No | 1 | | |
| J | Supply & install, water meter device, type (ARAD) or equivalent 1", with gate valve 1" inch diameter, jointing, and connection to the existing water supply pipe 4" including all required fittings and accessories and as specification and drawings. | No | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO. 7 : OPENINGS** | | | | |
| | **WINDOWS** | | | | |
| | **Extruded anodised aluminium sliding frame 80x50mm mosquito netting and fabricated aluminium burglar proof grill with 6mm thick glass with blue anti-glare film.** | | | | |
| **A** | Overall size 800 x 600mm high | No | 4 | | |
| **B** | Precast concrete window cill size 260 x 50mm Thick sunk - weathered and throated and bedded and jointed in cement sand mortar | No | 4 | | |
| | **VENT BLOCKS** | | | | |
| **C** | 800mm x 600mm | No | 4 | | |
| | **DOORS** | | | | |
| | **45mm thick solid core flush door to B.S 459: parts faced both sides with 6mm mahogany veneered plywood and lipped on all edges in hardwood, including all planted moulding. Complete with hinges and locks** | | | | |
| **D** | 50mm thick door overall size 800x2150mm high | No | 4 | | |
| | **Supply delivery and fix the following ironmongery with matching screws** | | | | |
| **E** | 100mm heavy duty butt hinges | No | 4 | | |
| **F** | 3 lever mortice lock as Union 2277complete with Union 2277 683 -06 -2 brass lever furniture | No | 4 | | |
| | **Sub-Total carried to summary** | | | | |
| | **ELEMENT NO. 8 : SEPTIC TANK & SOAKPIT** | | | | |
| | **The cost bid for the Septic Tank should be a lumpsum to meet the technical description presented below of the design drawings, and include all preparation, construction, finishing components :** | | | | |
| **A** | Pre-construction work, mobilisation activities, excavation, compaction, concrete works, superstructure, walls - hollow blocks of 1500m height, including plastering and painting, internal and external finishing, piping works including fittings, exactly as per the design drawings and the specifications, descriptions on the design drawings. | Ls | 1 | | |
| | **Sub-Total carried to summary** | | | | |
| | Description of Work/Items | | | | |
| **Item** | **SUMMARY OF COMPONENT** | **Unit** | **Qntty** | **Rate** | **Amnt USD** |
| | Currency: | | | | |
| | Project No: | | | | |
| | Project Title: | | | | |
| | Location: | | | | |
| | Tender No: | | | | |
| | Tender Title: | | | | |
| | Original Issue: | | | | |
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| | **ELEMENT NO. 1 : SITE PREPARATION** | | | **$** | **-** |
| | **ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)** | | | **$** | **-** |
| **1** | **Element No.3 Concrete work** | | | **$** | **-** |
| **2** | **ELEMENT NO. 4 : WALLING** | | | **$** | **-** |
| **3** | **ELEMENT NO. 5 : FINISHES** | | | **$** | **-** |

| | | | | | |
|---|---|---|---|---|---|
| **4** | **ELEMENT NO. 6 : PLUMBING INSTALLATIONS** | | | **$** | **-** |
| | **ELEMENT NO. 7 : OPENINGS** | | | **$** | **-** |
| **6** | **ELEMENT NO. 8 : SEPTIC TANK & SOAKPIT** | | | **$** | **-** |
| | | | | | |
| **8** | Grand Total | | | | **$** **-** |
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| Item | Description of Work/Items | Unit | Qntty | Rate | Amount |
|---|---|---|---|---|---|
| | | | | | |
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ** | | | | |
| | **MARKA TOWN - SOUTHWEST STATE** | | | | |
| | | | | | |
| | **SECTION 5: SPECTATOR STANDS** | | | | |
| | **Earthwork** | | | | |
| A | Demolishing work | ls | 1 | | |
| B | Excavation (any soil type) for foundation.This item includes all excavations, disposal and temporary support or shoring if needed. See drawing and schedule for details. | cm | 4.00 | | |
| | Blinding & Hardcore filling | | | | |
| C | 300mm thick murram blinding over surface of levelled Hardcore beds. | cm | 35.00 | | |
| D | 150mm thick bed of quarry stones or equivalent material, well compacted and blinded with fine aggregate (hardcore with gravel blinding, well compacted to prepare for flooring) | cm | 18.00 | | |
| | Sub-Total carried to summary | | | | |
| | Masonary walling and Concrete work | | | | |
| | 400mm thick natural stone rubble stone bedded and jointed in cement and sand (1:4) mortar, compacted and laid in stages of 100mm | | | | |
| A | 400mm thick superstructural walling | cm | 19.00 | | |
| | Concrete | | | | |
| B | Plain concrete class 15/40 OR mix (1:4:8) | cm | 8.00 | | |
| | Sub-Total carried to summary | | | | |
| | FINISHES | | | | |
| | External Wall finishes | | | | |
| | Cement and sand (1:4) render: on hollow block: steel trowel finished: to | | | | |
| A | 15mm thick externally wall | SM | 38.00 | | |
| | Prepare surfaces and apply undercoat and two finishing coats first grade emulsion paint on hollow concrete wall surfaces: to | | | | |
| B | Masonary wall: externally | SM | 38.00 | | |
| | Floor finishes | | | | |
| C | Cement and sand (1:4) screed: to floors: in | sm | 46.00 | | |
| D | Allow for Steel railing blustrades at the sides | LS | 1.00 | | |
| | Sub-Total carried to summary | | | | |
| Item | Description of Work/Items | Unit | Qntty | Rate | Amount |
| | SUMMARY OF COMPONENT | | | | |
| | Currency: | | | | |
| | Project No: | | | | |
| | Project Title: | | | | |
| | Location: | | | | |
| | Tender No: | | | | |
| | Tender Title: | | | | |
| | Original Issue: | | | | |
| | | | | | |
| | Summary for Spectator Stand 1 | | | | |
| 1 | Earthwork | | | | |
| 2 | Masonary walling and Concrete work | | | | |
| 3 | FINISHES | | | | |
| | Total for Spectator Stand 1 | | | | |
| | Total for Two No. Spectator Stands 2NO. | | | | |

| Item | Description of Work/Items | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ MARKA TOWN - SOUTHWEST STATE** | | | | |
| | **SECTION 6 : Footbal field** | | | | |
| | **Earth work and Demolishing work** | | | | |
| A | Remove and destroy all cement screed on the field and level it with drainage system provided.Substrate must be strong, free of loose materials, dust, grease etc. | sm | 360 | | |
| B | Apply 150mm thick bed of quarry stones or equivalent material, well compacted and blinded with fine aggregate to receive concrete (hardcore with gravel blinding, well compacted to prepare for flooring) | cm | 54 | | |
| C | Apply 50mm thick murram blinding over surface of levelled Hardcore beds. | cm | 18 | | |
| D | 50MM thick mass concrete of mix 1:2:4 minimum cement content 360kg/m3 finished smoothly with cement screed and levelled. The surface should not be sleepy for the players | cm | 18 | | |
| E | Apply 40mm Cement Screed over the surface of the field | cm | 15 | | |
| | GOAL POSTS | | | | |
| F | Supply and fix struts/ braces of 100mm dia. CHS section of 5mm thick, with lock on synthetic net hooks, sockets caps, and wedgets bolted thoughout and painted with gloss white paint to finish; dimensios to FIFA standard and Engineers approval | No | 2 | | |
| | | | | | |
| | CORNER DELINATORS | | | | |
| G | Supply corner markers for 4 sides with sockets for fitting at 4 corners of the pitch comprising grouting of 25mm dia. Pipe. dimensios to FIFA standard and Engineers approval | No. | 4 | | |
| **H** | Allow provisional sum marking of the field | ls | 1 | | |
| | Sub-Total carried to summary | | | | |

| Item | Description of Work/Items<br>**SUMMARY OF COMPONENT** | Unit | Qntty | Rate | Amnt USD |
|---|---|---|---|---|---|
| | Currency: | | | | |
| | Project No: | | | | |
| | Project Title: | | | | |
| | Location: | | | | |
| | Tender No: | | | | |
| | Tender Title: | | | | |
| | Original Issue: | | | | |
| | | | | | |
| **1** | SECTION 6 : Footbal field | | | **$** | **-** |
| | **Grand Total** | | | | **$ -** |

| Item | Item | Description of Work/Items | Unit | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | **PROPOSED MARKA SCHOOL REHABILITATION BOQ** | | | | |
| | | **MARKA TOWN - SOUTHWEST STATE** | | | | |
| | | | | | | |
| | | **SECTION 7: FENCE WALL** | | | | |
| | | **Site Prepration** | | | | |
| | | Cleaning for site of all bushes, grab up roots and burn their arising also cleance the existing demolished wall | sm | 600.00 | | |
| | | Sub-Total carried to summary | | | | |
| | | **WALLING** | | | | |
| | A | Repair the wall cracks using sand/cement mortar mix ratio 1:4 and Y12 steel bars inserted into the wall perpendicular to the cracks for internal and external | ls | 1 | | |
| | | 400mm thick natural stone rubble foundation bedded and jointed in cement and sand (1:4) mortar, compacted and laid in stages of 100mm | | | | |
| A | B | 400mm thick superstructure walling | cm | 5.00 | | |
| D | C | PCC Coping above masonry walling | LM | 90.00 | | |
| | | **Sub-Total for Walling** | | | | |
| | | **FINISHES** | | | | |
| | A | Use masonry chisel for plaster removal and test the condition of the wall for weakness. Remove all old plaster with masonry chisel starting from cracked sections. | sm | 540.00 | | |
| | | PLASTERED/RENDERED/ROUGHCAST COATINGS | | | | |
| | | Cement-sand 1:3 to :- | | | | |
| A | B | 15 mm thick plaster wood floated hard both ways | M2 | 540.00 | | |
| | | **Painting** | | | | |
| | | Prepare and apply three coats first quality silk vinyl emulsion pain on:- | | | | |
| D | C | Plastered Surfaces internally and externally | M2 | 540.00 | | |
| | | **Sub-Total for Finishes** | | | | |
| | | **Gates** | | | | |
| A | | Supply and fix double leaf steel gate size 5000x 2100mm high with small pedestrian door made from 3mm thick steel plate welded on both sides of the frame. Frame as follows: 75x50x3mm thick RHS external members and 25mm SHS 3mm thick secondary members, fixed onto the concrete columns using heavy duty steel pin hinges; with all fastening accessories including all cutting welding, grinding and priming with one coat of grey oxide before fixing. The gate should also have peep holes of not more that 25mm dia with a slilding door. It should also have 2 locking mechanisms, top and bottom. | No | 1 | | |
| | | **Sub-Total for Gates** | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **Item** | | **Description of Work/Items** | **Unit** | **Qntty** | **Rate** | **Amnt USD** |
| | | **SUMMARY OF COMPONENT** | | | | |
| | | Currency: | | | | |
| | | Project No: | | | | |
| | | Project Title: | | | | |
| | | Location: | | | | |
| | | Tender No: | | | | |
| | | Tender Title: | | | | |
| | | Original Issue: | | | | |
| | | | | | | |
| | | **Summary of Garbaharey Fence wall** | | | | |
| **2** | | Site Prepration | | | $ | - |
| **3** | | WALLING | | | $ | - |
| **4** | | FINISHES | | | $ | - |
| **6** | | Gates | | | $ | - |

| | | | | | |
|---|---|---|---|---|---|
| | | **Grand Total for Fence Wall** | | | **$ -** |

| ITEM NO. | DESCRIPTION | PAGE | AMOUNT (US$) |
|---|---|---|---|
| | **PROPOSED MARKA SCHOOL REHABILITATION BOQ**<br>**MARKA TOWN - SOUTHWEST STATE** | | |
| | **GRAND SUMMARY** | | |
| 1 | SECTION 1: PRELIMINARIES AND GENERAL DESCRIPTIONS | | |
| 2 | SECTION 2: CLASSROOMS | | |
| 3 | SECTION 3: CAFETERIA | | |
| 4 | SECTION 4: Toilets (1 Block of 4 toilets) | | |
| 5 | SECTION 5: SPECTATOR STANDS | | |
| 6 | SECTION 6 : Footbal field | | |
| 7 | SECTION 7: FENCE WALL | | |
| | **TOTAL AMOUNT CARRIED TO FORM OF TENDER** | **US$** | |
| | SIGNED:<br>**(CONTRACTOR)** .....<br>Address: .....<br>Tel No: .....<br>Date: .....<br>SIGNED:<br>**(EMPLOYER )** .....<br>Address: .....<br>Tel No: .....<br>Date: ..... | | |