| PROPOSED KIPKAREN POLICE POST | | | | | |
|---|---|---|---|---|---|
| GENERAL | | | | | |
| **ITEM** | **DESCRIPTION** | **UNIT** | **QTY** | **RATE SHS** | **AMOUNT SHS** |
| 1.01 | Allow a Provisional sum of Kshs 200,000.00 for materials testing and confirmatory works. | PC Sum | 1 | 200,000 | 200,000.00 |
| 1.02 | Include percentage of P.C.sum in item 1.01 for contractor's overhead and profit. | % | | | |
| 1.03 | Allow a Provisional sum of Kshs 100,000.00 for site office and site store to approvals. Later demolish and clear debris from site | PC Sum | 1 | 500,000 | 500,000.00 |
| 1.04 | Include percentage of P.C.sum in item 1.03 for contractor's overhead and profit. | % | | | |
| 1.05 | Allow a Provisional sum of Kshs 300,000.00 for site hoading to approvals | PC SUM | 1 | 300,000 | 300,000.00 |
| 1.06 | Include percentage of P.C.sum in item 1.05 for contractor's overhead and profit. | % | | | |
| 1.07 | Provide and erect Publicity signboard for project visibilty and branding | No | 2 | | |
| **Total for general carried forward to Grand summary** | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.1** | | | | |
| | **SUBSTRUCTURE** | | | | |
| | **ALL PROVISIONAL** | | | | |
| | **Site clearance** | | | | |
| A | Clear site of works shrubs, bush and small trees grub up their roots and burn debris | 162 | SM | | |
| B | Destroy termite nests within site of works take out with insecticide and fill voids with approved material | 162 | SM | | |
| C | Excavate to remove top soil and load, wheel and deposit where directed, average depth 200mm | 162 | SM | | |
| | **Excavate in red soil including maintaing and support sides and keeping free from water, mud and fallen objects** | | | | |
| D | For foundations strip commencing at reduced level not exceeding 1.2M deep | 109 | CM | | |
| E | Extra over for excavating in rock irrespective of class | 3 | CM | | |
| | **Disposal** | | | | |
| F | Backfilling around foundation | 73 | CM | | |
| G | Spread on site surplus excavations not exceeding 100M away | 20 | CM | | |
| H | Load and cart away surplus excavated material from site | 19 | CM | | |
| | **Imported filling** | | | | |
| J | Approved hand packed hardcore filling 300mm to make up levels compacted in layers of 150 mm thick | 81 | CM | | |
| K | Compact surfaces of existing hardcore and blind with 50 mm thick murram to receive concrete | 162 | SM | | |
| | **Damp proof membrane** | | | | |
| L | 1000 gauge polythene laid under surfaces beds | 162 | SM | | |
| | **Anti-termite treatment** | | | | |
| M | Chemical anti-termite treatment as "Termidor" or equal and approved executed by an approved specialist under a ten year guarantee to surfaces of hardcore, etc | 162 | SM | | |
| | **Total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Plain concrete 1:4:8** | | | | |
| A | Blinding under foundations, thickness 50mm | 91 | SM | | |
| | **Vibrated reinforced concrete class 20** | | | | |
| B | Foundation strip footing | 18 | CM | | |
| C | Beds, thickness 150 mm | 24 | CM | | |
| | **High yield deformed steel bar reinforcement to B.S.4461** | | | | |
| D | 10mm diameter | 384 | KG | | |
| E | 8mm dimeter | 196 | KG | | |
| | **Steel mesh fabric reinforcement to BS 4483** | | | | |
| F | Layer of mesh fabric reinforcement laid in slab or bed with 200 mm side and end laps (measured net - no alowance made for laps) Ref:A142 weighing 2.22kg per square metre | 162 | SM | | |
| | **Form work** | | | | |
| G | Sides of foundations strip and column bases | 61 | SM | | |
| H | Edges of beds 75-150mm high | 71 | LM | | |
| | **Load bearing natural stone rough dressed walling in cement and sand mortar reinforced with hoop iron at alternate course:** | | | | |
| J | 200mm thick walling reinforced with hoop iron at every alternate course | 227 | SM | | |
| K | Allow for keeping excavation free from water | | ITEM | | |
| L | Allow for upholding sides of excavation | | ITEM | | |
| | **Bituminous felf damp proof courses laid on and including leveling screed of cement mortar** | | | | |
| M | In walling, width 200 mm | 126 | LM | | |
| | **Cement and sand (1:4) rendering** | | | | |
| N | Rendering to concrete and masonry surfaces finished with a steel float, thickness 20mm | 37 | SM | | |
| | **Prepare and apply three coats bituminous paint to:** | | | | |
| P | Rendered surfaces externally | 37 | SM | | |
| | **Total carried to collection below** | | | | |
| | **COLLECTION** | | | | |
| A | Brought forward from page KT 1 | | | | |
| B | Brought forward from above | | | | |
| | **TOTAL FOR ELEMENT NO.1 SUBSTRUCTURE CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.3** | | | | |
| | **SUPERSTRUCTURE WALLING** | | | | |
| | **Vibrated reinforced concrete class 20/20** | | | | |
| A | Beams | 14 | CM | | |
| B | R.C walls | 22 | CM | | |
| C | Slabs | 6 | CM | | |
| | **High yield deformed steel bar reinforcement to BS 4461** | | | | |
| D | 12mm diameter | 590 | KG | | |
| E | 10mm diameter | 854 | KG | | |
| F | 8mm diameter | 460 | KG | | |
| | **Form work** | | | | |
| G | Sides and soffits of beams | 166 | SM | | |
| H | Sides of walls | 216 | SM | | |
| J | Sides and soffits of slabs | 40 | SM | | |
| | **Machine cut natural grey stone walling in cement and sand mortar (1:4):-reinforced with hoop iron at every alternate course.** ***Samples to be approved before mass delivery on site*** | | | | |
| K | 200mm thick walling | 332 | SM | | |
| L | 225 x 225 x 25 mm precast concrete permanent vents sandwiched with coffee tray/mosquito gauze wire in between | 33 | PRS | | |
| | **Timber partitions, Wardrobes and Shelvings** | | | | |
| M | Supply and fix 19mm thick block board, Particle board or equivalent approved material fixed on sides of timber framing to to reception desks, shelves, etc to approvals. Inclusive of locks, hinges, rails, drawers and all accessories finishing and painting to the architects detail and approvals | 70 | SM | | |
| | **TOTAL FOR ELEMENT NO.3 WALLING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.3** | | | | |
| | **ROOF CONSTRUCTION, COVERING AND RAINWATER DISPOSAL** | | | | |
| | **ROOFING CONSTRUCTION** | | | | |
| | **Sawn cypress treated as described in trusses including templates, fillets, nailing, straps, splices and hoisting 16 meters above ground level and with amoisture content not exceeding 12%** | | | | |
| A | Rafters size 150 x 50 mm | 173 | LM | | |
| B | King post, size 150 x 50 mm | 31 | LM | | |
| C | Struts and ties size 100 x 50 mm | 221 | LM | | |
| D | Tie beams, size 150 mm x 50 mm | 129 | LM | | |
| E | Wall plates bolted (bolts and holes included) size 100 x 50mm | 73 | LM | | |
| F | Purlins, size 75 mm x 50 mm | 300 | LM | | |
| G | Splices, size 75 mm x 25 mm | 72 | LM | | |
| H | Splices, size 150 mm x 25 mm | 76 | LM | | |
| | **Wrot cypress treated as described and with amoisture content not exceeding 12%** | | | | |
| J | Fascia board, size 225 x 25 mm | 73 | LM | | |
| K | Verge board size 225 x 25mm | 0 | LM | | |
| L | Extra for triangular boxing at junction of fascia verge board, size 250 x 250 mm | 6 | NO | | |
| | **Total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ROOF COVERING** | | | | |
| A | Gauge 28, prepainted corrugated roofing iron sheets | 450 | SM | | |
| B | Ditto ridge cap | 39 | LM | | |
| C | Ditto but purpose made plain sheet in valleys 500mm wide | 11 | LM | | |
| | **Rainwater Disposal** | | | | |
| | **First quality 150mm diameter half round PVC gutters with fixing clips at centers not exceeding 700mm spacing. Samples to be approved before delivery on site** | | | | |
| D | Size 150mm dia half round | 73 | LM | | |
| E | Extra for outlet in PVC gutter, diameter 75mm | 8 | NO | | |
| F | Extra for bend | 8 | NO | | |
| G | Extra for stopped end | 12 | NO | | |
| H | 75mm Diameter PVC rain water down pipe fixed to wall with clips | 26 | LM | | |
| J | Extra for swan neck offset 600 mm long | 8 | NO | | |
| K | Extra for shoe 500 mm long | 8 | NO | | |
| | **Testing** | | | | |
| L | Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective work | | ITEM | | |
| | **total carrried to collection below** | | | | |
| | Brought forward from page KT 4<br>Brought forward from above | | | | |
| | **TOTAL FOR ELEMENT NO. 3 ROOFING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.4** | | | | |
| | **WINDOWS** | | | | |
| | **Concrete (class 20/20) window cills cast and plastered to approvals once throated** | | | | |
| A | Cills size 250 x 75 mm | 22 | LM | | |
| | **Purpose made small panel mild steel ready primedcasement window to schedule with pressed steel ventilating hood and 16mm square bar burglar proofing in openings and polished brass window iron monger as supplied by Kens metal industries Ltd and fixed to masonry jambs and conrete head.Samples to be approved before mass production** | | | | |
| B | Window overall size 1500 x 1400 mm | 6 | NO | | |
| C | Window overall size 1200 x 1400 mm | 3 | NO | | |
| D | Window overall size 600 x 600 mm | 13 | NO | | |
| | **Sheet glass** | | | | |
| E | 4mm clear glass and glazing to metal with putty in panes not exceeding 0.1 square metre | 18 | SM | | |
| F | Ditto but Obscured glass | 6 | SM | | |
| | **Curtain rods** | | | | |
| G | Premium quality chrom plated double line curtain rods complete with all accessories to the architects approval. *Sample to be approved before mass delivery on site* | 14 | LM | | |
| | **TOTAL FOR ELEMENT NO 4 - WINDOWS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.5** | | | | |
| | **DOORS** | | | | |
| | **Standard steel casement door** | | | | |
| A | Metal casement steel double leaf door in 50 x 45 mm RHS bottom, middle and toprills, 50 x 45mm RHS stiles infilled with G16 steel panels welded to door all framed to detail overall not exceeding size 900 x 2600 mm high including 3-lever steel door locks. with perment vents***. Samples to be approved before mass production*** | 12 | NO | | |
| | **Timber doors** | | | | |
| B | 150x50mm mahogany timber door frames rebated to approvals size 2400 x 900mm.***Samples to be approved before mass production*** | 40 | LM | | |
| C | 25x50mm mahogany timber architraves | 40 | LM | | |
| D | 25x25mm timber Quordrant | 40 | LM | | |
| E | 2100x900mm solid mahogany timber flush door fixed to 50x150mm mahogany timber frame to approvals.***Samples to be approved before mass production*** | 6 | NO | | |
| | **Ironmongery** | | | | |
| F | 100mm brass plated butt hinges | 9 | pairs | | |
| G | 3 lever timber door locks as union or equivalent approved | 6 | NO | | |
| | **Painting and decorating** | | | | |
| H | Prepare and apply polyurethane varnish to doors | 23 | SM | | |
| J | Ditto to surfaces 100-200mm girth | 40 | LM | | |
| K | Ditto to bur gloss oil paint to general surfaces of metal work | 52 | SM | | |
| | **TOTAL FOR ELEMENT NO 5 - DOORS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.6** | | | | |
| | **EXTERNAL FINISHES** | | | | |
| | **Cement and sand (1:4) rendering** | | | | |
| A | Rendering to beams and eave walls finished with a wood float 25mm thickness to concrete beams and columns | 41 | SM | | |
| | **Keying to dressed stone wall externally with 12mm size painted to approvals.Horizontal and vertical keying** | | | | |
| B | Externally to walls | 190 | SM | | |
| | **Prepare and apply three coats bituminous paint to:** | | | | |
| C | To key lines on external walls | 190 | SM | | |
| | **Precast concrete paving slabs etc jointed and grouted up in cement and sand (1:3) mortar** | | | | |
| D | 50 mm thick paving size 600 x 600 mm slabs laid on and including 50mm bed of sand blinding, 100mm thick murrum base, excavations and carting away excavated material | 46 | SM | | |
| | **TOTAL FOR ELEMENT NO. 6 EXTERNAL FINISHES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.7** | | | | |
| | **INTERNAL FINISHES** | | | | |
| | **FLOOR** | | | | |
| A | 40mm thick cement and sand (1:3) screed to receive terazzo and tiles | 162 | SM | | |
| B | 25mm thick terazzo polished including deviding strips and all accessories. High quality terrazo with white cement to approvals. Smaple to be done for approval before proceeding | 88 | SM | | |
| C | 100 x 25 mm thick terazzo skirting | 179 | LM | | |
| | **Approved Saj ceramic tiles finish on cement and sand (1:3) screed (ms) with tile grouting to approvals** | | | | |
| D | 450x450mm non slip floor tiles | 74 | SM | | |
| E | Ditto but 400x250mm wall tiles | 75 | SM | | |
| | **Wall** | | | | |
| | **Cement Lime plaster** | | | | |
| F | Plaster to walls internally | 489 | SM | | |
| | **Ceiling** | | | | |
| | **Gypsum board Ceiling** | | | | |
| G | 13mm thick gypsum board ceilling complete with approved brandering support system to approvals | 162 | SM | | |
| H | Extra over ditto for forming trap door with cypress framing, size 600 x 600 mm | 2 | NO | | |
| I | Moulded gypsum cornice size not exceeding 75 x 75 mm | 178 | LM | | |
| | **Prepare and apply scheming coat, one undercoat and two finishing coats of 1st quality plastic as covermatt or equivalet approved Emulsion paint to:** | | | | |
| J | Gypsum ceillings and cornices | 172 | SM | | |
| | **TOTAL FOR ELEMENT NO.7 INTERNAL FINISHES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.8** | | | | |
| | **PAINTING AND DECORATING** | | | | |
| | **WINDOWS** | | | | |
| | **Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-** | | | | |
| A | General surfaces of windows and burglar (B.S.M) | 36 | SM | | |
| | **DOORS** | | | | |
| | **Prepare and apply scheming coat, one undercoats and two finishing coats of 1st quality supergloss oil paint to:-** | | | | |
| B | General surfaces of metal doors | 52 | SM | | |
| C | General surfaces of timber fascia boards | 15 | SM | | |
| D | Ditto but 3 coats polyuethane varnish to mahogany timber doors | 23 | SM | | |
| E | Ditto but surfaces not exceeding 100 mm girth | 40 | LM | | |
| F | Surfaces exceeding 100 but not exceeding 200mm girth | 40 | LM | | |
| | **EXTERNAL FINISHES** | | | | |
| | **Prepare and apply one undercoat and two finishing coats of 1st quality vinyl matt Emulsion paint to:** | | | | |
| G | Rendered surfaces externally | 41 | SM | | |
| | **INTERNAL FINISHES** | | | | |
| | **Prepare and apply schemming coat, one undecoat and two finishing coats of 1st quality silk vinyl paint to:** | | | | |
| H | General plastered surfaces of walls internally | 489 | SM | | |
| | **TOTAL FOR ELEMENT NO.9 PAINTING & DECORATING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **SUMMARY OF ELEMENTS** | | | | |
| A | SUBSTRUCTURE | | | | |
| B | SUPERSTRUCTURE WALLING | | | | |
| C | ROOFING | | | | |
| D | WINDOWS | | | | |
| E | DOORS | | | | |
| F | EXTERNAL FINISHES | | | | |
| G | INTERNAL FINISHES | | | | |
| H | PAINTING AND DECORATING | | | | |
| | **TOTAL FOR MATERNITY BLOCK CARRIED TO GRAND SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **80 PERSONS MASONRY SEPTIC TANK** | | | | |
| | **Excavations** | | | | |
| A | depth n.e 1.5m | 19 | CM | | |
| B | ditto n.e 3m | 19 | CM | | |
| C | ditto n.e 4.5m | 0 | CM | | |
| D | ditto n.e 6m | 0 | CM | | |
| E | ditto n.e 7.5m | 0 | CM | | |
| F | Trim the bottom of surface | 13 | SM | | |
| G | Rock excavaton | 2 | CM | | |
| H | backfilling around the septic tank | 0 | CM | | |
| J | Load and cart away excess excavated materials fro site | 55 | CM | | |
| K | Allow for planking and strutting to keep excavations safe | 1 | Item | | |
| L | Allow for keeping excavations free from water | 1 | Item | | |
| | **Sub total 1 Total carried to summary** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **sawn form work** | | | | |
| A | To sides and soffites of scum baffle beams | 10 | SM | | |
| C | Soffits of slabs | 13 | SM | | |
| D | Sides of slab 150mm thick | 16 | LM | | |
| E | sides of entry and exit of manhole slabs 150mm thick | 1 | LM | | |
| F | Framing of manhole | 2 | SM | | |
| | **Sub total 2 carried to summary** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **R.C concrete class 25/20 mix 1:2:4** | | | | |
| A | 50mm blinding | 13 | SM | | |
| B | placing 150mm concrete in base slab | 2 | CM | | |
| C | ditto but 150mm suspended slab | 2 | CM | | |
| D | Scum baffles | 1 | CM | | |
| | **Steel reinforcement bars** | | | | |
| E | A142 BRC MESH | 0 | SM | | |
| F | 8mm dia bars | 124 | KG | | |
| G | 10mm ditto | 0 | KG | | |
| H | 12mm ditto | 0 | KG | | |
| | **Walling** | | | | |
| I | 200mm thick chisel dressed natural quarry stone walling reinforced with hoop iron at every alternate course | 47 | SM | | |
| J | Ditto internal walling | 5 | SM | | |
| | **Finishing** | | | | |
| K | 12mm thick plaster to base slab- premixed with sulphate resisting water proof cement | 13 | SM | | |
| L | Ditto but sides of vertical walls externally | 47 | SM | | |
| M | Ditto but sides of vertical walls and scum baffles internally | 20 | SM | | |
| N | Ditto but sides and top of top slab | 21 | SM | | |
| O | Allow for opening and fixing of class D 600mm PVC pipes | 2 | NO | | |
| P | Fix man hole PVC cover size 600x450mm to approvals | 2 | NO | | |
| | **Sub total 3 carried to summary** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **FRENCH DRAIN** | | | | |
| A | Excavate to inverted depth n.e 1.5m | 0 | CM | | |
| B | ditto but n.e 3.0m | 0 | CM | | |
| C | lay 150mm PVC class D pipe in french drain perforated to approvals | 0 | LM | | |
| D | Approved Graded crushed stone (Ballast) around peforated pipe | 0 | CM | | |
| E | Approved hardcore average diameter 200mm | 0 | CM | | |
| F | Gauge 500 polethene DPM on top of ballast | 0 | CM | | |
| G | Backfilling excavated selected materials on top of Polythene DPM | 0 | CM | | |
| | **Sub total 4 carried to summary** | | | | |
| | **SOAK PIT** | | | | |
| A | Excavate 1.5m dia circular pit depth n.e 1.5m | 3 | CM | | |
| B | ditto but n.e 3m | 3 | CM | | |
| C | ditto but n.e 4.5m | 3 | CM | | |
| D | ditto but n.e 6.0m | 3 | CM | | |
| E | 50mm thick blinding to manhole walling | 5 | SM | | |
| F | 150mm thick concrete class 20 strip footing | 1 | CM | | |
| G | Ditto in 150mm thick concrete cover slab | 1 | CM | | |
| H | Formwork to soffites and sides of suspended slabs | 6 | SM | | |
| I | 200mm thick solid concrete block walling externally reinforced with hoop iron at every alternate course | 9 | SM | | |
| J | 12mm thick plaster premixed with sulphate resisting cement to walling | 15 | SM | | |
| K | 8mm diameter steel reinforcement bars | 30 | KG | | |
| L | Approved hardcore average diameter 300mm | 12 | CM | | |
| M | Fix man hole PVC cover size 600x450mm to approvals | 1 | NO | | |
| N | Testing of foul drainage by project manager | 1 | item | | |
| | **Sub total 4 carried to summary** | | | | |
| | **SUMMARY OF ELEMENTS** | | | | |
| A | Sub total 1 | | | | |
| B | Sub total 2 | | | | |
| C | Sub total 3 | | | | |
| D | Sub total 3 | | | | |
| E | Sub total 4 | | | | |
| | **TOTAL FOR SEPTIC TANK CARRIED TO GRAND SUMMARY** | | | | |

# PERIMETER FENCING AT KHWISERO SUB COUNTY OFFICE

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT (Ksh) |
|---|---|---|---|---|---|
| | **ELEMENT NO.1** | | | | |
| | **FENCING WORKS** | | | | |
| A | Clear site of all bushes, shrubs and undergrowth grub and burn all arisings | 1,050 | SM | | |
| B | Excavate holes for 130 x 130mm concrete posts, depth n.e 1000mm dia 400mm spaced @ 3.0 m | 336 | NO | | |
| C | Supply and fix concrete posts not exceeding 130x130mm overal length not exceeding 3.5m long. each post to have provision for fixing straining wire. **Sample to be approved in writing by the structural engineer before delivery on site.** | 240 | NO | | |
| D | Ditto above but for strainer posts at every corner and after every 5 posts, both sides, but 2.0m long fixed on to the post being supported.**Sample to be approved in writing by the structural engineer before delivery on site.** | 96 | NO | | |
| E | Supply all materials and cast 300x300x1000mm deep mass concrete class 20/20 to hold the concrete posts and strainer posts in position. | 13 | CM | | |
| F | Extra over excavations irrespective of depth for excavating in hard rock irespective of class | 2 | CM | | |
| | **Straining Wires** | | | | |
| G | Supply and fix straining wire gauge 12.5 fixed to the concrete posts standards- 4 lines, | 2,800 | LM | | |
| H | Ditto but barbed ditto 3 lines | 2,100 | LM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Chainlink Fence** | | | | |
| A | Supply and fix the chainlink fence gauge 14, not exceeding 2.4m high fixed on to the concrete posts with binding wire and held in place with straining wire. The lower part of the chainlink should be buried 100mm below ground level, fixed and held in place with mass concrete (measured separately) | 700 | LM | | |
| | **Gates** | | | | |
| B | Supply all materials and construct gate columns 300x300mm to support the the main gate and a separate pedestrian gate. With 1200x1200mmx200mm footing at 1200mm depth from ground level;overall column height not exceeding 3.7m high. 7 T12 reinforcement eachway in footing, 4 T16 as main column longitudinal reinforcement with T8 distribution links at 200mm spacing | 3 | NO | | |
| C | Supply and fix 5000mm wide double leaf mild steel gate and an attached pedestrian gate 2500mm high made from 3mm thick steel plate welded on both sides of the frame. Frame as follows: 60x40x3mm thick RHS external members and 40mm SHS 3mm thick secondary members, fixed onto the concrete columns 300mm square 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. | 1 | NO | | |
| D | Supply and fix pedestrian steel gate size 1200x 2100mm high made from 3mm thick steel plate welded on both sides of the frame. Frame as above | 1 | NO | | |
| E | Excavate trench cross-section 250x250mm along chainlink fence | 44 | CM | | |
| F | Mass concrete strip under chainlink fence reinforcement class 15/20 (1:3:6) | 44 | CM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **FINISHES** | | | | |
| A | 15mm thick cement sand (1:4) rendering to general surface of columns | 9 | SM | | |
| | **Concrete (1:11/2:3) in:- class 25** | | | | |
| B | Provide and fix pyramid shape column caps 400mm base | 2 | NO | | |
| | **Prepare and apply two undercoat and one finishing coat of first quality gloss oil paint to:-** | | | | |
| C | Rendered surfaces externally | 9 | SM | | |
| D | General surfaces of metals | 20 | SM | | |
| | **total carried to collection below** | | | | |
| | **C O L L E C T I O N**<br>Brought forward from page F/1<br>Brought forward from page F/22<br>Brought forward from above | | | | |
| | **TOTAL FOR FENCING CARRIED TO GRAND SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | | | | | |
| | **SENTRY HOUSE**<br>**ELEMENT NO.1**<br>**SUBSTRUCTURES**<br>**(ALL PRORVISIONAL)** | | | | |
| | **Excavations** | | | | |
| A | Excavate top vegetable soil average 200 mm thick and dispose away from site | 11 | SM | | |
| B | Excavate trenches for strip foundation not exceeding 1.5 metres from reduced level | 11 | CM | | |
| | **Filling and carting away** | | | | |
| C | Return, fill and ram with selected and approved excavated material around excavations | 6 | CM | | |
| D | Load and cart away excavated materials from site | 6 | CM | | |
| E | 300mm approved hardcore bed handpacked, well watered and compacted laid in layers of 150mm thick | 11 | SM | | |
| F | 50mm selected fine material to hardcore surfaces, well rolled and leveled to receive concrete | 11 | SM | | |
| G | Apply "gladiatorr" or any other similar and approved anti-termite chemical treatment on blinded surfaces including 600mm around foundation walls | 11 | SM | | |
| H | 500 gauge polythene sheeting with sides and end laps as described laid on blinded surfaces | 11 | SM | | |
| | **Plain concrete (1:4:8) in** | | | | |
| J | 50mm thick blinding to strip and column foundations | 8 | SM | | |
| | **total carried to colletion** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Vibrated reinforced concrete grade 20/20 (1:2:4) in** | | | | |
| A | Strip footing | 2 | CM | | |
| B | ring beam | 0 | CM | | |
| C | 150mm thick ground bed | 11 | SM | | |
| | **Steel fabric mesh reinforcement to B.S 4483** | | | | |
| D | No.A142 fabrick weighing 2.22kg/sm fixed in bed | 11 | SM | | |
| | **steel reinforcement as described including cutting to length, bending and fixing including all necessary tying wires and spacing blocks (all provisional )** | | | | |
| E | 8mm diameter high tensile square twisted bars | 44 | KG | | |
| F | 10mm diameter high tensile square twisted bars | 60 | KG | | |
| | **Sawn formwork to:** | | | | |
| G | Edges of slab over 75mm but not exceeding 150mm | 13 | LM | | |
| | **Natural stone walling in cement and sand (1:3) mortar and including reinforcing with 20x 3mm thick hoop iron in every alternate course .** | | | | |
| H | 200 thick walling | 18 | SM | | |
| | **Plinths** | | | | |
| J | 12mm thick cement and sand (1:3) render to plinths | 13 | SM | | |
| K | Prepare and apply three coats bituminous paint to rendered plinths | 13 | SM | | |
| L | **Paved areas around building plinth** | | | | |
| M | Supply and lay Pre-cast concrete slabs size 600x600x50mm laid on and including 50mm thick murrum sub-base to fall and including all necessary excavations and anti-termite treament | 12 | SM | | |
| | **total carried to colletion** | | | | |
| | COLLECTION | | | | |
| A | Total brought down from page 1 | | | | |
| B | Total brought down from above | | | | |
| **TOTAL FOR ELEMENT NO.1 SUBSTRUCTURES CARRIED TO SUMMARY** | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.2**<br>**WALLING**<br><br>**Concrete block walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course.** ***Samples to be approved by the engineer before delivery on site*** | | | | |
| A | 200 mm thick walling | 27 | SM | | |
| B | Fair raking cutting to top of walling | 14 | LM | | |
| C | Materials and labour for eaves filling average height 250mm | 6 | LM | | |
| D | 225x225x25mm thick precast concrete permanent vent blocks including mosquito gauze wire and coffee tray | 6 | NO | | |
| | **TOTAL FOR ELEMENT NO.2 WALLING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.3**<br>**ROOFING** | | | | |
| **3** | **ELEMENT NO. 3 ROOFING** | | | | |
| | **The contractor is reminded to include in his pricing, the cost of supply, cutting waste and erecting. Timber to be treated as described in the specifications.** | | | | |
| | | | | | |
| | **Roof covering** | | | | |
| A | Gauge 28 GCI pre-painted, box profile iron sheets (**Galsheet**) laid on treated timber purlins and trusses, fixed with roof nails and neoprene washer caps. | 15 | S.M | | |
| | | | | | |
| | **Well seasoned and treated sawn timber** | | | | |
| | | | | | |
| B | 100 x 50mm treated cypress timber wall plate beeded in cement sand mortar (1:3) bolted to concrete with and/or fixed with and including hoop iron fixed to ring beam | 6 | L.M | | |
| | | | | | |
| | **The following in various trusses and spans including hoisting approximately 3.00meters above ground in well seasoned and treated cypress timber including nails, lappers, and all the necessary for assembly and hoisting to position as per structural roofing details. Sample truss to be approved before hoisting to fix.** | | | | |
| | | | | | |
| | | | | | |
| C | 100x50mm tie beams and rafters | 18 | LM | | |
| | | | | | |
| D | 100x50mm Struts and ties | 16 | LM | | |
| | | | | | |
| E | 75 x 50mm treated timber for purlins | 24 | L.M | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | **Total carried to colletion** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Fascia Board** | | | | |
| A | 250 x 25 mm thick wrot cypress fascia and barge boards fixed to end of rafters (m/s) | 15 | LM | | |
| | **Rain water goods. M.E approvals** | | | | |
| | **24 gauge galvanized mild steel sheeting, all welds ground smooth/PVC** | | | | |
| B | 150 x 100mm box gutter gauge 26 fixed to fasciaboards (m/s) with and including approved steel brackets at 1000mm centres OR PVC as may be approved M.E | 6 | LM | | |
| C | Extra over gutter for stopped ends | 4 | NO | | |
| D | Ditto but for 75 mm diameter outlet 100mm long | 2 | NO | | |
| E | 100mm diameter galvanized iron downpipe gauge 24 fixed to wallwith and including holder butts at 1000mm centres | 5 | LM | | |
| F | Extra over downpipe for swannect | 2 | NO | | |
| G | Ditto horse shoe | 2 | NO | | |
| | **Decoration and painting** | | | | |
| | **Knot, prepare and apply thee coats gloss oil paint to:** | | | | |
| H | Surfaces of timber 200 - 300 mm girth | 10 | LM | | |
| J | General surfaces of metal gutters | 2 | SM | | |
| K | Surfaces of large pipes | 5 | LM | | |
| | **Total carried to colletion** | | | | |
| | COLLECTION<br>Total brought down from previous<br>Total brought down from above | | | | |
| | **TOTAL FOR ELEMENT NO.3 ROOFING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.4** | | | | |
| | **DOORS** | | | | |
| | **Standard section metal doors with one coart of red oxide primer complete with accessories** | | | | |
| A | door size 900x2100mm | 1 | NO | | |
| | **Painting and Decorations** | | | | |
| | **Prepare and apply one coat etchn primer, one undercoat and two coats gloss oil paint to Crown Solo or other equal and approved to:-** | | | | |
| B | General surfaces of glazed casement metal doors; | 5 | SM | | |
| | **Glazing** | | | | |
| C | 4mm thick clear sheet glass panes 0.1-0.5m2 in steel with p | 1 | SM | | |
| | **Iron mongery** | | | | |
| D | Two lever UNION mortice lock or equivalent approved | 1 | LM | | |
| E | 100mm approved steel butt hinges | 1.5 | PRS | | |
| | **TOTAL FOR ELEMENT NO.4 DOORS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.5** | | | | |
| | **WINDOWS** | | | | |
| | **standard steel casement purpose made windows complete window fasteners, stays and buglar proofing with red oxide primer** | | | | |
| A | window size 1200x1200mm | 2 | NO | | |
| B | 150x25 thick weathered sunk and thrated window cill finished fair on exposed surfaces bedded and pointed in cement and sand including all neccesary formwork | 3 | LM | | |
| C | Prepare and apply two undercoat and one coat gloss oil paint to general surfaces of metal | 5 | SM | | |
| | **TOTAL FOR ELEMENT NO.5 WINDOWS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | | | | | |
| | **ELEMENT 6** | | | | |
| | | | | | |
| | **FINISHES** | | | | |
| | **Floor finishes** | | | | |
| A | 40mm thick cement sand (1:3) screed | 9 | SM | | |
| B | 100x25mm ditto skirting | 15 | LM | | |
| | **Wall finishes** | | | | |
| C | 15mm thick two coat gauged plaster (1:1:6) to walls internally and in verander | 27 | SM | | |
| D | 15mm thick cement sand rendering to walls externally | 21 | SM | | |
| | **Prepare and apply three coats of the first grade silk vinyl emulsion paint to:-** | | | | |
| E | Plastered walls internally | 27 | SM | | |
| F | Rendered walls externally | 21 | SM | | |
| | **CEILING** | | | | |
| G | 75 X 50mm celcured cypress timber brandering | 24 | LM | | |
| H | 50 X 50mm celcured cypress timber brandering | 24 | LM | | |
| J | 100X 25mm wrot cypress covered cornice | 18 | LM | | |
| K | 12mm thick decorated chipboard ceilling with pattern decorations | 12 | SM | | |
| L | Prepare and apply three coats of the first grade silk vinyl emulsion paint to ceillingand cornices | 15 | SM | | |
| | **TOTAL FOR ELEMENT NO.6 FINISHES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **SUMMARY OF ELEMENTS** | | | | |
| A | ELEMENT NO.1 SUBSTRUCTURE | | | | |
| B | ELEMENT NO.2 WALLING | | | | |
| C | ELEMENT NO.3 ROOFING | | | | |
| D | ELEMENT NO.4 DOORS | | | | |
| E | ELEMENT NO.5 WINDOWS | | | | |
| F | ELEMENT NO.6 FINISHES | | | | |
| | **TOTAL FOR SENTRY HOUSE CARRRIED TO GRAND SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **EXTERNAL CIVIL WORKS** | | | | |
| | **Excavations** | | | | |
| A | Excavate to formation level average not exceeding 500mm and dispose excess materials away from site within 10km radius to approved dumping site | 500 | CM | | |
| B | Supply approved equipment compact subgrade to achieve 90% MDD | 1000 | SM | | |
| C | Suplly and fill gravell to make up levels, grade to falls, cross falls and compact in 150mm layers to MDD AASHTO | 450 | CM | | |
| D | 300mm thick approved hardcore bed handpacked, well compacted | 300 | CM | | |
| E | 50mm approved quarrysand to hardcore surfaces, well rolled and leveled to receive cabro blocks | 50 | CM | | |
| F | 60mm thick heavy duty concrete Paving block incuding joint sanding with minimum strength of 35N/mm2 to approvals (Sample to be approved before mass production) | 1000 | SM | | |
| G | Provide and lay class 20 Concrete kerbs overall size 150X250mm laid and fixed including concrete class 15 hounching to approvals | 204 | LM | | |
| H | Provide and lay class 20 Concrete chanel overall size 150X100mm laid and fixed including concrete class 15 hounching to approvals | 204 | LM | | |
| J | 450mm dia invert concrete drain blocks laid and fixed including mass concrete haunching to approvals | 60 | LM | | |
| K | Trenches Excavations in stiff rocky soil for drainage channels not exceedinfg 1.5m deep | 29 | CM | | |
| L | 600mm dia reinfocerd concrete culvert complete with concrete (class 25) base, surround, top slabs, head walls and aproach walls installed to approvals | 9 | LM | | |
| M | Concrete class 30 to drainage channels including allowance for top grooving to allow cover best fit to the engineers details | 14 | CM | | |
| N | Assorted steel reinforcement to structural concrete to the engineers approval | 1500 | KG | | |
| P | 25mm thick Marine board formwork to structural concrete iclusive of bracings | 80 | SM | | |
| Q | 50mm thick concrete class 25 paving to selected drainage surfaces | 3 | CM | | |
| R | 600x600x75mm thick precast reinforced concrete drainage covers reinforced with 10mm reinforcement steel at 100mm centres each way to the Engineers approval | 0 | NO | | |
| S | Allow a sum of 300,000 for the civil engineer's confirmation of levels at the contractors cost | 1 | Sum | | |
| | **Landscaping** | | | | |
| T | Allow for soft landscaping in selected areas including preparation of ground to levels, planting of grass, flowers shrubs to the architects specifications and approval | 200 | SM | | |
| | **TOTAL FOR CIVIL WORKS CARRIED TO GRAND SUMMARY** | | | | |

## SCREEN WALL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.1**<br>**SUBSTRUCTURES**<br>**(ALL PROVISIONAL)** | | | | |
| | **Demolition works** | | | | |
| A | Carefully demolish to remove existing worn out Chainlink and barbred wire and live fence not exceeding 2.4m high complete with supporting concrete posts at 3 metre centres and all asociated fixtures as shall be instructed by the Enginneer | 0 | LM | | |
| | **Excavations** | | | | |
| B | Clear site of all shrubs, bush and small trees grub up their roots and burn debris including to removal and set aside existing fence | 50 | SM | | |
| C | Cut trees and uproot tree stamps along the wall perimeter. Tree average diameter not exceeding 1.5 metre | 0 | NO | | |
| D | Excavate to remove top vegetable soil average 300mm thick and dispose away from site | 30 | SM | | |
| E | Excavate trenches for strip foundation not exceeding 1.5 metres from reduced level | 45 | CM | | |
| F | Extra for excavating for column footings | 39 | CM | | |
| | **Filling and carting away** | | | | |
| G | Return, fill and ram with selected and approved excavated material around excavations | 61 | CM | | |
| H | Load and cart away excavated materials from site | 23 | CM | | |
| | **Plain concrete (1:4:8) in** | | | | |
| I | 50mm thick blinding to strip and column foundations | 56 | SM | | |
| | **total carried to colletion** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | SHS |
|---|---|---|---|---|---|
| | **Vibrated reinforced concrete grade 25/20 (1:2:4) in** | | | | |
| A | Strip footing | 4 | CM | | |
| B | Column bases | 5 | CM | | |
| C | Columns in substructure | 5 | CM | | |
| D | Ground beam | 0 | CM | | |
| | **Sawn formwork to:** | | | | |
| E | Sides of substructure columns | 43 | SM | | |
| F | Sides of strip footing | 20 | SM | | |
| G | Extra for sides of column bases footing | 17 | SM | | |
| H | Sides of ground beam | 0 | SM | | |
| | **steel reinforcement as described including cutting to length, bending and fixing including all necessary tying wires and spacing blocks (all provisional )** | | | | |
| I | 8mm diameter high tensile square twisted bars | 173 | KG | | |
| J | 10mm diameter high tensile square twisted bars | 133 | KG | | |
| K | 12mm diameter high tensile square twisted bars | 555 | KG | | |
| | **Chisel dressed natural quarry stone (as Narok quary or equivalent approved) walling in cement and sand (1;3) mortar reinforced with and including 25x3mm wide hoop iron at every alternate course.The stone to be well chisel dressed and grinded to give a smooth natural finish to the architects approval . Sample to be approved before mass delivery on site** | | | | |
| L | 200mm thick walling | 75 | SM | | |
| M | Allow for keeping the whole of the excavations free from all water, include for draining or other wise keeping all works free from water as necessary over the entire contract period | | ITEM | | |
| N | Allow for maintaining and upholding sides of excavations and keeping excavations clear of all fallen materials, rubbish etc | | ITEM | | |
| | **Total carried to collection below** | | | | |
| | **C O L L E C T I O N** | | | | |
| A | Brought forward from page PW/1 | | | | |
| B | Brought forward from above | | | | |
| | **TOTAL FOR ELEMENT NO.1 SUBSTRUCTURES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.2** | | | | |
| | **REINFORCED CONCRETE SUPERSTRUCTURE** | | | | |
| | **Vibrated reinforced concrete (1:1.5:3) class 25/20 in:** | | | | |
| A | Columns | 4 | CM | | |
| | **Sawn formwork to:** | | | | |
| B | Sides columns | 54 | SM | | |
| | **Steel reinforcement as descrribed including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)** | | | | |
| C | 8mm diameter high tensile square twisted bars | 128 | KG | | |
| D | 12 mm ditto | 176 | KG | | |
| | **TOTAL FOR ELEMENT NO.2 REINFORCED CONCRETE CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.3** | | | | |
| | **WALLING** | | | | |
| | **Bituminous felt damp proof courses laid on and including leveling screed of cement mortar** | | | | |
| A | In walling, width 250 mm | 50 | LM | | |
| | **Chisel dressed natural quarry stone (as Narok quary or equivalent approved) walling in cement and sand (1;3) mortar reinforced with and including 25x3mm wide hoop iron at every alternate course.The stone to be well chisel dressed and grinded to give a smooth natural finish to the architects approval .** ***Sample to be approved before mass delivery on site*** | | | | |
| B | 200 mm thick walling externally | 120 | SM | | |
| C | 350x50mm thick precast concrete wall coping with recessed invert key for rainwater dropoff | 50 | LM | | |
| D | 350x350x50mm thick precast concrete Column coping with recessed invert key for rainwater dropoff | 18 | NO | | |
| | **Steel grill fixed to concrete columns. Made of assorted RHS Steel sections members ranging from 25x25x2mm to 40x40x3mm to form patterns not exceeding 100x200mm spaces or to the architect detail and approval. inclusive of cutting, fabrication,welding priming and painting with approved supergloss finish paint and to the engineers details and approval.** ***Sample to be agreed upon and approved before mass production*** | | | | |
| E | Grill overall height not exceeding 1.2m high | 0 | LM | | |
| | **Gates** | | | | |
| E | Supply and fix 5000mm wide double leaf mild steel gate not exceeding 2400mm high made partly from 2mm thick steel plate welded on the frame. Frame as follows: Not exceeding 75x50x3mm thick RHS Primary main members and 25X25X2mm SHS secondary members (at spacing centres not exceeding 100mm or to the architects detail ), fixed onto the concrete columns 300mm square 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. to the architects schedule and approval | 0 | NO | | |
| F | Ditto but pedestrian steel gate size not exceeding 1200x 2200mm high | 1 | NO | | |
| G | Prepare and apply three coats of premium grade gloss oil paint to steel surfaces | 12 | SM | | |
| | **TOTAL FOR ELEMENT NO.3 WALLING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.4** | | | | |
| | **FINISHES** | | | | |
| | **12mm thick 2 coat gauged Lime (1:2:9) render to approvals** | | | | |
| A | To concrete column faces | 30 | SM | | |
| | **Recessed key work to approvals** | | | | |
| B | Horizontal 12mm square pointing key works in cement and sand mortar(1:3) to walls externaly | 120 | SM | | |
| C | Horizontal 12mm square pointing key works in cement and sand mortar(1:3) to walls internaly | 120 | SM | | |
| | **Prepare and apply three coats of the first grade vinyl Matt emulsion paint to:-** | | | | |
| D | Rendered surfaces | 30 | SM | | |
| | **TOTAL FOR ELEMENT NO.4 EXTERNAL FINISHES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **SUMMARY OF ELEMENTS** | | | | |
| A | ELEMENT NO.1 SUBSTRUCTURE | | | | |
| B | ELEMENT NO.2 REINFORCED CONCRETE SUPERSTRUCTURE | | | | |
| C | ELEMENT NO.3 WALLING | | | | |
| D | ELEMENT NO.4 FINISHES | | | | |
| | **TOTAL SCREEN WALL CARRRIED TO GRAND SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **GROUND WATER TANK** | | | | |
| A | Excavate for tank base strip footing depth not exceeding 1.0m | 7 | CM | | |
| B | Return fill in and ram selected excavated materials around foundation in layers not exceeding 150 mm thick | 5 | CM | | |
| C | Load and cart away surplus excavated materials from site | 2 | CM | | |
| D | Allow for upholding sides of excavated materials from site | | ITEM | | |
| E | Allow for removal of water and or mud from excavations by pumping, bailing, or otherwise | | ITEM | | |
| | **Fillings** | | | | |
| F | Hand packed crushed stone hardcore well rolledand consolidated (300mm thick) | 4 | SM | | |
| G | 50mm thick approved murram blinding to surface of hardcore finished to receive concrete slab | 4 | SM | | |
| | **Mass concrete blinding mix 1:3:6** | | | | |
| H | 50mm thick blinding | 7 | SM | | |
| | **vibrated reinforced concrete class 25/20 1:2:4-20mm Aggregate as described in:-** | | | | |
| J | Strip Footing | 2 | CM | | |
| K | Concrete bed 150mm thick (curved Circular) | 4 | SM | | |
| | **Sawn Formwork as described to:-** | | | | |
| L | Sides of strip foundation girth 100-200mm | 2 | LM | | |
| M | Sides of strip foundation girth 100-200mm curved | 7 | LM | | |
| N | Edges of floor slab 100 - 200 mm girth curved | 7 | LM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Reinforcement High Tensile Mild steel Reinforcement to BS.4449 as descrribed:-** | | | | |
| A | 8mm diameter bars | 13 | KGS | | |
| B | 10mm Ditto | 27 | KGS | | |
| C | BRC Mesh type A98 in concrete bed | 4 | SM | | |
| | **Insecticide Treatment** | | | | |
| D | Treat Suface of blinded hardcore with "Aldrex 48" or other equal and approved insecticide treatment with at least minimum guarantee of 10 years in accordance with the manufacturer's printed instructions | 4 | SM | | |
| | **Damp proofing** | | | | |
| E | 1000 gauge polythene sheeting damp proof membrane laid on treated blinded hardcore with 200 mm side and end laps (Measured nett. No. allowance for laps) | 4 | SM | | |
| | **Walling** | | | | |
| F | 200 mm thick natural chisel dressed stone walling in cement and sand (1:3) mortar Reinforced with and including 20SWG x 25mm wide hoop iron in every alternate course | 18 | SM | | |
| | **Plinth finishes** | | | | |
| G | 25mm thick cement and sand (1:3) rendering trowelled smooth to plinth walls | 12 | SM | | |
| | ***10,000 litres tank*** | | | | |
| *H* | *10,000 litres PVC TankS sto be provided by the Client quote for fixing labour only* | *1* | *NO* | | |
| | **total carried to collection below** | | | | |
| | **C O L L E C T I O N**<br>Brought forward from page GT/1<br><br>Brought forward from above | | | | |
| | **TOTAL FOR 2 NO. GROUND WATER TANK CARRIED TO GRAND SUMMARY** | | | | |

ELEVATED WATER TANK

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.1** | | | | |
| | **SUBSTRUCTURES** | | | | |
| A | Excavate for column bases 500x500mm depth not exceeding 1000mm | 2 | CM | | |
| B | Return fill in and ram selected excavated materials around foundation in layers not exceeding 150 mm thick | 1 | CM | | |
| C | Load and cart away surplus excavated materials from site | 1 | CM | | |
| D | Allow for upholding sides of excavated materials from site | | ITEM | | |
| E | pumping, bailing, or otherwise | | ITEM | | |
| | **Mass concrete blinding mix 1:3:6** | | | | |
| F | 50mm thick blinding | 1 | SM | | |
| | **Mass concrete blinding mix 1:2:4** | | | | |
| G | Mass concrete to guard ladder base | 0.5 | CM | | |
| | **vibrated reinforced concrete class 25/20 1:1.5:3-20mm Aggregate as described in:-** | | | | |
| H | Foundation and column stubs in substructure | 1.5 | CM | | |
| | **Sawn Formwork as described to:-** | | | | |
| J | Sides of column stub and foundation | 13 | SM | | |
| | **Reinforcement High Tensile Mild steel Reinforcement to BS.4449 as descrribed:-** | | | | |
| K | 8mm diameter bars | 32 | KGS | | |
| L | 12mm Ditto | 37 | KGS | | |
| M | 16mm Ditto | 0 | KGS | | |
| | **TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.2** | | | | |
| | **STEEL STRUCTURAL WORKS** | | | | |
| | **Inlude all costing for wastage, stiffening,welding,bolting, joinery and undercoat priming as per the drawings provided** | | | | |
| A | 250x250x4mm base plate | 4 | NO | | |
| B | 75x50x3mm SHS Steel vertical members | 101 | KG | | |
| C | 50x50x3mm SHS Steel horizontal and diagonal bracing members | 257 | KG | | |
| D | 75x50x3mm SHS Steel horizontal primary beam members | 28 | KG | | |
| E | 50x50x2mm SHS Steel horizontal secondary beam members | 61 | KG | | |
| F | 25x25x2mm SHS steel balustrading | 55 | KG | | |
| G | 2mm steel plate | 115 | KG | | |
| H | 40x40x2mm SHS steel to guard ladder | 29 | KG | | |
| | **Painting and decoration** | | | | |
| J | Allow three coats first quality alluminium paint to large metalic pipe surfaces of girth 25mm to 200mm | 153 | LM | | |
| K | Ditto general surfaces of metalic surfaces. | 16 | SM | | |
| | **Tanks** | | | | |
| J | *5000 litres PVC Tanks sto be provided by the Client quote for fixing labour only* | 1 | NO | | |
| | **TOTAL FOR STEEL STRUCTURE CARRIED TO SUMMARY** | | | | |
| | **SUMMARY** | | | | |
| A | FOUNDATION PAGE ET/1 | | | | |
| B | STEEL STRUCTURE FROM ABOVE | | | | |
| | **TOTAL FOR 1NO. ELEVATED WATER TANK** | | | | |

# 2 DOOR PIT LATRINE

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **SUBSTUCTURE (ALL PROVISIONAL)** | | | | |
| | **EXCAVATION AND EARTHWOKS** | | | | |
| | **SITE PREPARATION** | | | | |
| | **Clearing site vegetation; grubbing up roots and filling up voids left with selected excavated materials** | | | | |
| A | Bushes, shrubs undergrowth or the like and cart away from site | 9 | SM | | |
| | **EXCAVATION** | | | | |
| | **Excavating vegetable soil for preservation, average 200 mm thick** | | | | |
| B | Load up and store on site, later level and spread as directed on site and cart away | 9 | SM | | |
| | **Excavating surface to reduce level** | | | | |
| C | Over 300 mm deep | 3 | CM | | |
| | **Excavating Trenches; to receive foundations starting from reduced level** | | | | |
| D | Not exceeding 1.5M deep | 7 | CM | | |
| E | Ditto but pit not exceeding 1.50M deep | 2 | CM | | |
| F | Ditto but between 1.50M and 3.00M deep | 2 | CM | | |
| G | Ditto but between 3.00 and 4.5M deep | 2 | CM | | |
| H | Ditto but between 4.50 and 6.00M deep | 2 | CM | | |
| I | Ditto but between 6.00 and 7.5M deep | 2 | CM | | |
| J | Extra over excavations for excavating in hardrock | 1 | CM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **Disposal** | | | | |
| A | Excavated material; Back filling depositing and compacting in layers maximum 150 mm thick around foundations | 4 | CM | | |
| B | Surplus excavated materials; removing from site | 17 | CM | | |
| | **DISPOSAL OF WATER** | | | | |
| C | Labour and materials, keeping excavations free from general water | | ITEM | | |
| | **PLANKIING AND STRUTING** | | | | |
| D | Labour and materials, to uphold sides of excavation generally | | ITEM | | |
| | **FILLING** | | | | |
| | **Hardcore** | | | | |
| E | 300 mm thick depositing and compacting layers maximum 150 mm thick in making up levels | 2 | SM | | |
| | **Murram** | | | | |
| F | Blinding surfaces of fill 50 mm thick | 2 | SM | | |
| | **ANTI-TERMITE AND HERBICIDE TREATMENT** | | | | |
| | **Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly** | | | | |
| G | To surface of fill and tops of foundation walls | 9 | SM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **CONCRETE WORK** | | | | |
| | **INSITU CONCRETE; REINFORCEEMNT** | | | | |
| | **Normal; Class 20/20mm; vibrated (1:2:4)** | | | | |
| A | Foundation strips irrespective of thickness | 1 | CM | | |
| B | Floor Beds 150 mm thick | 8 | SM | | |
| | **REINFOREMENT** | | | | |
| | **Bars: high tensile steel; cold worked; B.S.4461 including bends, hooks, tying wire, distance blocks and spacers** | | | | |
| C | Assorted bars | 50 | KG | | |
| | **Fabric; B.S.4483** | | | | |
| D | Reference A98; mesh 200 x 200 mm weight 2.22kgs per square meter (measured net - no allowance made for laps)' including bends tying wire and distance blocks in any location | 8 | SM | | |
| | **SAWN FORMOWRK TO INSITU CONCRETE** | | | | |
| E | Edges of floor bed 75 to 150 mm wide | 12 | LM | | |
| F | Sides of foundation strips and steps, horizontal | 3 | SM | | |
| | **WALLING** | | | | |
| G | 150mm thick approved natural stone walling roughly square; bedding and jointing in cement mortar (1:4): reinforced with hoop iron gauge 500 in every alternate course | 15 | SM | | |
| | **total carried to collection** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **DAMP PROOF MEMBRANES** | | | | |
| | **Polythene, 500 gauge, 150mm laps, NO allowance made for laps** | | | | |
| A | Horizontal, 1NO of layer(s) over 300 mm wide | 8 | SM | | |
| | **PLINTH FINISHES** | | | | |
| | **Render, cement and sand (1:4) wood floated** | | | | |
| B | 12mm thick 2NO coat work, to concrete or blockwork base (m/s), generally external | 5 | SM | | |
| | **Painting; 3 coats black bituminous paint to** | | | | |
| C | Rendered surfaces external | 5 | SM | | |
| | **total carried to collection below** | | | | |
| | **C O L L E C T I O N** | | | | |
| | Brought forward from page SP/1 | | | | |
| | Brought forward from page SP/2 | | | | |
| | Brought forward from page SP/3 | | | | |
| | Brought forward from above | | | | |
| | **TOTAL FOR ELEMENT NO.1 SUBSTRUCTURE CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.2** | | | | |
| | **REINFORCED CONCRETE FRAME** | | | | |
| | **CONCRETE WORKS** | | | | |
| | Normal: Class 20/20mm vibrated | | | | |
| A | Beams and Lintels | 0.5 | CM | | |
| | **REINFORCEMENT** | | | | |
| B | Bars worked high tensile steel; cold BS.4461<br>Assorted high tensile steel bard | 50 | KG | | |
| | **FORMWORK TO INSITU CONCRETE** | | | | |
| C | Sides and soffites of beams | 6 | SM | | |
| | **TOTAL FOR REINFORCEMENT CONCRETE FRAME CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.3** | | | | |
| | **ROOFING** | | | | |
| | **Covering** | | | | |
| A | Gauge 28 prepainted box profile roofing sheets covering laid in two corrugations side laps and 150m end laps | 5 | SM | | |
| | **Construction** | | | | |
| | **In wrot cypress** | | | | |
| B | 75 x 50 mm purlins | 11 | LM | | |
| C | 100 x 50 mm rafters | 9 | LM | | |
| D | 100 x 50 mm wall plate | 5 | LM | | |
| | **In wrot cypress** | | | | |
| E | 25 x 200 mm high wrot fascia or verge board | 9 | LM | | |
| | **Painting** | | | | |
| F | Timber surfaces exceeding 150 mm but not exceeding 225 mm girth | 9 | LM | | |
| | **TOTAL FOR ELEMENT NO.3 ROOFING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.4** | | | | |
| | **WALLING** | | | | |
| A | Approved bricks one side bedding jointing and recessed pointing one side in cement sand mortar (1:4) as work proceeds | 23 | SM | | |
| | **DAMP PROOF COURSE** | | | | |
| B | B.S.743, type A, bitumen Hessian base 150 mm laps, No allowances made or laps<br><br>150 mm wide, bedded in cement mortar (1:3) | 10 | LM | | |
| | **TOTAL FOR ELEMENT NO.4 WALLING CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.5** | | | | |
| | **WINDOWS** | | | | |
| A | Standard steel casement windows size 600 x 600 mm high including 4mm obscure glass to window | 0 | NO | | |
| | **TOTAL FOR ELEMENT NO.5 WINDOWS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.6** | | | | |
| | **DOORS** | | | | |
| A | 900 X 2100 mm wrot cypress timber batern doors | 2 | NO | | |
| | **Frames: wrot cypress** | | | | |
| B | 100 x 50 mm rebated frame | 10 | LM | | |
| C | 25 x 25 mm quodrant | 0 | LM | | |
| D | 50 x 25 mm Architrave | 0 | LM | | |
| | **IRONMONGERY** | | | | |
| | **Supply and fix the following** | | | | |
| C | Steel butt hinges 100 mm | 3 | PRS | | |
| D | 150 mm steel tower bolt | 2 | NO | | |
| E | 225 x 25 x 3mm thick door fixing cramps one end bent and twice screwed to frame and the other end fanged and built in to blockwork | 8 | NO | | |
| | **TOTAL FOR ELEMENT NO.6 DOORS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO.7**<br>**FINISHES**<br>**FLOORS** | | | | |
| A | Cement sand screed finishing to floors | 8 | SM | | |
| B | 20 mm x 100 mm high screed skirting, rounded junction with wall finish and coved junction with floor internal | 12 | LM | | |
| | **WALLS** | | | | |
| C | 12 mm thick 2NO. Coat work plaster 1:2:6 to concrete brick work base (m/s) generally, walls internal | 27 | SM | | |
| D | 15 mm thick 2NO coat work cement sand (1:4) render to conrete or brick work base externally | 23 | SM | | |
| | **PAINTING AND DECORATING** | | | | |
| | **THREE COATS PVA BASED EMULSION PAINT TO CROWN PAINTS OR EQUAL AND APPROVED** | | | | |
| E | Plastered wall surfaces over 300 mm girth internal | 27 | SM | | |
| F | Rendered wall surfaces over 300 mm girth external | 23 | SM | | |
| | **TOTAL FOR ELEMENT NO.7 FLOORS CARRIED TO SUMMARY** | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **SUMMARY** | | | | |
| A | SUBSTRUCTURE | | | | |
| B | REINFORCEMENT CONCRETE FRAME | | | | |
| C | ROOFING | | | | |
| D | WALLING | | | | |
| E | WINDOWS | | | | |
| F | DOORS | | | | |
| G | FINISHES | | | | |
| | **TOTAL FOR 2 DOOR PIT LATRINE WITH URINAL CARRIED TO GRAND SUMMARY** | | | | |

# PROVISIONAL SUMS

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **PROVISIONAL SUMS** | | | | |
| A | Allow a provisional sum of Kenya Shillings Eight hundred thousand Only (Kshs 2,000,000/=) for Electrical works and fittings | | ITEM | | 2,000,000 |
| B | Allow a provisional sum of Kenya Shillings Eight hundred thousand Only (Kshs 1,000,000/=) for Mechanical works and fittings | | ITEM | | 1,000,000 |
| C | Allow a provisional sum Kenya shillings 200,000.00 to be expended by the project manager in whole or in part at the contractor's cost on statutory approvals | | sum | | 200,000 |
| Ci | Allow for contractors profit and overheads | | % | | |
| D | Allow a provisional sum Kenya shillings Ksh100,000.00 to be expended by the project manager in whole or in part at the contractor's cost on design review and production of working drawings | | sum | | 100,000 |
| Di | Allow for contractors profit and overheads | | % | | |
| E | Allow a provisional sum of Ksh 1,000,000.00 to be expended by the project manager in whole or in part at the contractor's cost on Clients on monitoring , inspections and meetings expences and adminstrative costs as may be instructed by the Project manager | | sum | | 1,000,000 |
| Ei | Allow for contractors profit and overheads | | % | | |
| F | Allow a provisional sum Kenya shillings 1,500,000.00 for contigencies to be spent in part or whole as per the project managers instructions | | sum | | 1,500,000 |
| | **TOTAL FOR P.C. AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY** | | | | |

| ITEM | DESCRIPTION | SHS | SHS |
|---|---|---|---|
| | | **FOR OFFICIAL USE** | **FOR CONTRACTOR'S USE** |
| | **GRAND SUMMARY** | | |
| 1 | PRELIMINARIES | | |
| 2 | GENERAL | | |
| 3 | POLICE POST BLOCK | | |
| 4 | SEPTIC TANK | | |
| 5 | CHAINLINK FENCE | | |
| 6 | SENTRY HOUSE | | |
| 7 | EXTERNAL CIVIL WORKS | | |
| 8 | SCREEN WALL | | |
| 9 | GROUND WATER TANK | | |
| 10 | ELEVATED WATER TANK | | |
| 11 | TWO DOOR PIT LATRINE | | |
| 12 | PROVISIONAL SUMS pg PC/1 | | |
| | | | |
| | **TOTAL (TAX INCLUSIVE) CARRIED TO FORM OF TENDER** | | |

Tender sum in the amount of Kenya Shillings ……..
……..
……..

***Notes: Price quoted shall be inclusive of a 0.03% Public Procurement Capacity Building Levy (PPCBL) of the tender sum exclusive of VAT. The Levy shall be deducted from the suppliers payment during contract implementation and remitted to PPRA as stipulated in the Public Procurement Capacity Building Levy order 2023 effective for all tenders published after 1st September 2024***

CONTRACTOR'S NAME,……

ADDRESS,……

DATE……..

WITNESS NAME ……

SIGNATURE ,……