

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|---|-----|------|------|-------|
| | <u>ELEMENT NO 1</u> | | | | |
| | <u>SUBSTRUCTURES (ALL PROVISIONAL)</u> | | | | |
| | <u>Site clearance</u> | | | | |
| A. | Clear the site off grass, shrubs and all vegetation; cart away as directed. | 154 | SM | | |
| B. | Excavate vegetable soil average 200mm deep and cart away as directed. | 154 | SM | | |
| | <u>Excavation</u> | | | | |
| C. | Excavate oversite to reduce levels commencing from stripped level average 300mm deep and spread on site average 10 meters away. | 46 | CM | | |
| D. | Excavate for strip foundation starting from reduced level not exceeding 1.5m deep and cart away as directed. | 69 | CM | | |
| E. | Extra over excavation for excavating in rock. | 2 | CM | | |
| F. | Return, fill-in and run selected excavated material. | 81 | CM | | |
| G. | Remove and cart away from site surplus excavated material as directed. | 34 | CM | | |
| | <u>Disposal of water</u> | | | | |
| H. | Allow for keeping all excavations free from all water including spring or running water. | | ITEM | | |
| | <u>Planking and strutting.</u> | | | | |
| I. | Uphold the sides of all excavations. | | ITEM | | |
| | <u>Filling</u> | | | | |
| J. | Hardcore filling in making up levels exceeding 250mm thick, depositing and compacting in layers of 125mm maximum thickness | 154 | SM | | |
| K. | 50mm thick murrum blinding to surfaces of fill. | 154 | SM | | |
| | Carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|---|-----|------|------|-------|
| | <u>SUBSTRUCTURES (ALL PROVISIONAL) CTD</u> | | | | |
| | <u>Antitermite treatment</u> | | | | |
| A. | TERMIDORE' or other equal and approved insecticide with a ten years guarantee to surfaces of fill and tops of foundations. | 154 | SM | | |
| | <u>Concrete</u> | | | | |
| B. | 50mm thick mass concrete class Q (1:3:6) to bottoms of foundations. | 37 | SM | | |
| | <u>In situ concrete: class 20/ (20mm); vibrated</u> | | | | |
| C. | Foundations in trenches irrespective of thickness. | 11 | CM | | |
| D. | 150mm thick bed. | 154 | SM | | |
| | <u>Reinforcement</u> | | | | |
| | <u>Bars: high yield steel:cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks.</u> | | | | |
| E. | 10mm bars | 600 | KG | | |
| F. | 8mm bars | 720 | KG | | |
| | <u>Fabric: B.S. 4483</u> | | | | |
| G. | Reference A142 mesh 200 x 200mm, weight 2.22Kgs per square meter (measured net - no allowance made for laps (including bends, tying wire and distance blocks. | 154 | SM | | |
| | Carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|---|-----|------|------|-------|
| | Sawn formwork to insitu concrete as described:- | | | | |
| A. | To sides; vertical or battering of strip foundations. | 73 | SM | | |
| B. | Edge of ground floor slab;75 to 150mm wide | 67 | LM | | |
| | <u>Walling</u> | | | | |
| C. | 200mm thick approved local natural stone; roughly squared to foundation walling; bedding and joining in cement sand (1:3) | 92 | SM | | |
| | <u>Damp proofing</u> | | | | |
| D. | Polythene; 1000 gauge, 150mm laps (no allowance made to laps), horizontal; 1NO. Layer laid on murrum blinding. | 154 | SM | | |
| E. | 200mm wide; B.S. 743 type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1NO. layer, bedded in cement sand (1:3) mortar. | 61 | LM | | |
| | <u>Insitu finishings</u> | | | | |
| F. | 14mm thick 2 NO. Coatwork cement sand (1:3) render wood floated to concrete or blockwork base to walls; external | 18 | SM | | |
| | <u>Prepare and apply three coats black bituminous paint on:-</u> | | | | |
| G. | Rendered plinths, externally. | 18 | SM | | |
| | Carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|--|-----|------|------|-------|
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page BW/1 | | | | |
| | Brought forward from page BW/2 | | | | |
| | Brought forward from page BW/3 | | | | |
| | TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|---|--|-----|------|------|-------|
| | <u>ELEMENT NO. 2</u> | | | | |
| | <u>RING BEAM</u> | | | | |
| | <u>Insitu concrete; reinforced; class 20/ (20mm); vibrated</u> | | | | |
| A. | Beams | 3 | CM | | |
| B. | 100mm suspended woktop. | 34 | SM | | |
| | <u>Reinforcement</u> | | | | |
| | <u>Bars; highyield steel; coldworked to B.S 4461 including bends, hooks, tying wire and distance blocks.</u> | | | | |
| D. | Assorted bars. | 640 | KG | | |
| | <u>Sawn formwork to insitu concrete as described:-</u> | | | | |
| E. | To sides and soffits of beams | 51 | SM | | |
| F. | To soffits of worktops | 34 | SM | | |
| G. | Edges of suspended slab; 75 to 150 mm wide | 71 | LM | | |
| | <u>STEEL COLUMNS</u> | | | | |
| H | 100mm x 3mm thick circular hollow section CHS 3000mm long fixed with fish tail lugs to concrete floor slab. | 8 | NO. | | |
| TOTAL FOR FRAME CARRIED TO SUMMARY | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|---|-----|------|------|-------|
| | <u>ELEMENT NO. 3</u> | | | | |
| | <u>ROOFING</u> | | | | |
| | <u>Galvanized corrugated sheet roofing; 30gauge; prepainted.</u> | | | | |
| A. | Roof covering not exceeding 45 degrees from horizontal; fixed to timber structure (m/s) with roofing nails and neoprene washers, J bolts and nuts, neoprene washers and caps. | 206 | SM | | |
| | <u>Accessories, fixing as necessary to roof.</u> | | | | |
| B. | Ridge cap | 16 | LM | | |
| | <u>CARPENTRY</u> | | | | |
| | <u>The following in sawn celcured cypress</u> | | | | |
| C. | 100x50mm sawn cypress tie beam | 109 | LM | | |
| D. | 100x50mm rafters | 122 | LM | | |
| E. | 100x50mm wall plate rag - bolted at 1200mm centres with 12mm diameter bolts (m/s) | 38 | LM | | |
| F. | 100x50mm king posts. | 22 | LM | | |
| G. | 75x50mm sawn cypress struts. | 115 | LM | | |
| H. | 50x50mm sawn cypress purlins. | 128 | LM | | |
| | Carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|--|---|---|------|-------|
| | <p data-bbox="235 157 506 184"><u>Wrot cypress, prime grade</u></p> <p data-bbox="186 220 545 247">A. 200x25mm thick fascia board.</p> <p data-bbox="235 317 570 344">PLUMBING AND DRAINAGE</p> <p data-bbox="235 384 412 411">Rain water goods</p> <p data-bbox="235 449 769 510"><u>24g galvanised mild steel sheeting; all welds ground smooth.</u></p> <p data-bbox="186 548 797 638">B. 150x100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centres.</p> | <p data-bbox="889 220 927 247">58</p> <p data-bbox="889 611 927 638">34</p> | <p data-bbox="976 220 1029 247">LM</p> <p data-bbox="976 611 1029 638">LM</p> | | |
| | Carried to collection | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|-----------------------|---|-----|------|------|-------|
| A. | Extra for blocked ends with 75mm dia.outlet 100mm long. | 4 | NO. | | |
| B. | Extra for 90 ⁰ bends. | 4 | NO. | | |
| C. | 75mm dia. Rainwater down pipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall. | 12 | LM | | |
| D. | Extra; swanneck bend. | 4 | NO. | | |
| E. | Extra; horse shoe bend. | 4 | NO. | | |
| CARRIED TO COLLECTION | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|--------------------------------------|-----|------|------|-------|
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page BW/6 | | | | |
| | Brought forward from page BW/7 | | | | |
| | Brought forward from page BW/8 | | | | |
| | TOTAL FOR ROOFING CARRIED TO SUMMARY | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|--|---|-----|------|------|-------|
| | <u>ELEMENT NO.4</u> | | | | |
| | <u>EXTERNAL & INTERNAL WALLING</u> | | | | |
| | NATURAL STONE WALLING | | | | |
| A. | 200mm thick approved local; machine cut; bedding, jointing in cement sand (1:3) mortar. | 165 | SM | | |
| TOTAL FOR EXTERNAL& INTERNAL WALLING CARRIED TO SUMMARY | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|---|---|-----|------|------|-------|
| | ELEMENT NO. 1 | | | | |
| | DOORS | | | | |
| | <u>Heavy duty section mild steel doors with one coat red lead oxide primer complete</u> | | | | |
| A | Standard mild steel panel double leaf door and frame overall size 1500 x 2100 mm High; including all iron mongery accessories | 2 | NO | | |
| B | Ditto but 900 x 2100 mm high | 3 | NO | | |
| TOTAL FOR DOORS CARRIED TO SUMMARY | | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|------|---|-----|------|------|-------|
| | <p><u>ELEMENT NO. 2</u></p> <p><u>WINDOWS</u></p> <p><u>METAL WORK</u></p> <p><u>PURPOSE - MADE UNITS</u></p> <p><u>Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish.</u></p> <p><i>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging</i></p> | | | | |
| A | Overall size 1750 x 1500mm high | 12 | NO | | |
| | TOTAL FOR WINDOWS CARRIED TO SUMMARY | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|--|----------------|-----|----------|--------|-------|
| | <u>SUMMARY</u> | | | | |
| ELEMENT NO. | TITLE | | PAGE NO. | K.SHS. | |
| 1 | SUBSTRUCTURES | | BW/4 | | |
| 2 | RINGBEAM | | BW/5 | | |
| 3 | ROOFING | | BW/9 | | |
| 4 | WALLING | | BW/10 | | |
| 5 | DOORS | | BW / 11 | | |
| 6 | WINDOWS | | BW / 14 | | |
| TOTAL FOR BUILDERS WORKS CARRIED TO GRAND SUMMARY | | | | | |
| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|---|---|-----|------|------|-------------------|
| | <u>PRIME COSTS & PROVISIONAL SUMS</u> | | | | |
| | <u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u> | | | | |
| A | Allow a sum for Project Management Committee expenses | | ITEM | | 50,000.00 |
| B | Allow a sum for Project Administration Team expenses | | ITEM | | 45,000.00 |
| C | Allow a sum For Contingencies | | ITEM | | 30,000.00 |
| TOTAL FOR P.C. & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY | | | | | 125,000.00 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | K.SHS |
|-----------------------------|---|---------|------------------------------------|-----------------------------|-------|
| <u>GRAND SUMMARY</u> | | | | | |
| ITEM | DESCRIPTION | Page No | FOR TENDE RER USE ONLY | FOR OFFICIAL USE ONLY | |
| | | | K.SHS. | K.SHS. | |
| A | BUILDER'S WORKS | BW/18 | - | | |
| B | PRIME COSTS & PROVISIONAL SUMS | PS / 1 | | | |
| | SUB-TOTAL | | - | | |
| | GRAND TOTAL (IN KSHS) CARRIED TO FORM OF | | - | | |

Amount in words. Kenya shillings

.....Cents

Tenderer's Signature and stamp.....

Address

Date

Witness Signature

Address

Date