## BILLS OF QUANTITIES FOR PROPOSED WOMENS HOSTEL AT KIBABII UNIVERSITY

|      | UNIVERSITI   |     |      | UNIT        | AMOUNT |
|------|--|-----|------|-------------|--------|
| ITEM | DESCRIPTION  | QTY | UNIT | RATE (Kshs) | (Kshs) |
|      | PRELIMINARIES  |     |      |             |        |
|      |  |     |      |             |        |
| A    | Construction and maintenance of site office to project manager's details.  |     |      |             |        |
| В    | Site location clause   |     |      |             |        |
| С    | Firm price contract clause   |     |      |             |        |
| D    | Performance bond of 7% of contract sum and bid Bond of 2% of tender sum clause   |     |      |             |        |
| Е    | Adherence to Government Legislation and Regulations  |     |      |             |        |
| F    | Insurance company Fees   |     |      |             |        |
| G    | Samples and Materials Generally clause and cost of testing   |     |      |             |        |
| Н    | The contractor is drawn to the legal notice in the Finance Act part 3 section 21(b) which requires VAT payments on all contracts. The tenderer to include in their prices VAT of 16% in all rates. |     |      |             |        |
| I    | Allow for electricity and water on site for use  |     |      |             |        |
| J    | Allow for erection of sign post to PM approval   |     |      |             |        |
| K    | Allow for relocation of existing sewer line and water reticulation   |     |      |             |        |
|      | Total Carried to Collection page B2  |     |      |             |        |

| ITEM | DESCRIPTION  | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|-----|------|------------------------|------------------|
| A    | Allow a provisional sum <b>Ksh Two Hundred Thousands</b> for the Project Management stationery         |     |      |                        | 200,000          |
| В    | Allow a provisional sum <b>Ksh One Million Five Hundred Thousands</b> for the Project Management costs |     |      |                        | 1,500,000        |
| С    | Allow sum for the contractor's administrative cost for all the preliminaries                           |     |      |                        |                  |
| D    | Allow attendance on mechanical and electrical sub-contractors  |     |      |                        |                  |
|      | Total to collection below  |     |      |                        |                  |
|      | Collection from page B1  |     |      |                        |                  |
|      | From above   |     |      |                        |                  |
|      |  |     |      |                        |                  |
|      |  |     |      |                        |                  |
|      |  |     |      |                        |                  |
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|      |  |     |      |                        |                  |
|      | Total Preliminaries Carried to Main Summary page B26   |     |      |                        |                  |

| ITEM | DESCRIPTION   | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|---|------|------|------------------------|------------------|
|      | 1.0 SUBSTRUCTURE  |      |      |                        |                  |
|      | Site clearance  |      |      |                        |                  |
| A    | Clear site off grass, shrubs, and small trees and grub up roots and burn debris.  | 1887 | SM   |                        |                  |
| В    | Excavate over site to remove vegetable top soil average 200mm deep and cart away.   | 1887 | SM   |                        |                  |
|      | Excavations   |      |      |                        |                  |
|      | Excavations including maintaining and supporting sides of excavation from fallen soil, mud or subsurface water by baling, pumping or otherwise. |      |      |                        |                  |
| С    | For strip foundations, 0-1500mm deep.   | 230  | CM   |                        |                  |
| D    | Ditto column bases,   | 360  | CM   |                        |                  |
|      | Ditto over rock   | 80   | CM   |                        |                  |
| Е    | Return, fill in and ram selected excavated material around foundation walls and columns.  | 700  | СМ   |                        |                  |
| F    | Load and cart away surplus excavated material and dispose off as directed.  | 400  | CM   |                        |                  |
| G    | Labour and materials, keeping excavations free from general water   | item |      |                        |                  |
| Н    | Labour and materials, upholding sides of excavations.   | item |      |                        |                  |
|      |   |      |      |                        |                  |
|      | Total Carried to collection B7  |      |      |                        |                  |

| ITEM | DESCRIPTION  | QTY        | UNIT     | UNIT<br>RATE<br>(Kshs) | AMOUNT (Kshs) |
|------|--|------------|----------|------------------------|---------------|
|      | Imported filling   |            |          |                        |               |
| A    | 300mm thick hardcore filling to make up levels handpacked and well compacted in 150mm thick layers to Structural Engineer's approval.                                | 1364       | SM       |                        |               |
| В    | 50mm Thick murram blinding spread over hardcore bed and ram over while moist for proper consolidation.   | 1304       | SWI      |                        |               |
|      |  | 1364       | SM       |                        |               |
|      | Anti-termite treatment   |            |          |                        |               |
| С    | Chemical anti- termite treatment as "Gladiator TC" or other equal and approved termicide sprayed over surfaces of hardcore bed and walls.                            | 1364       | SM       |                        |               |
|      | Damp proof membrane.   |            |          |                        |               |
| D    | 500 Gauge polythene sheeting damp proof membrane spread over hardcore bed and walls with 300mm side laps and end laps (measured net with no allowance for overlaps). | 1364       | SM       |                        |               |
| E    | Concrete Works  Mass concrete class 15/20 aggregate as described in:-  50mm thick blinding under strip facting   | 1304       | SWI      |                        |               |
| E    | 50mm thick blinding under strip footing  |            |          |                        |               |
| F    | Ditto under column bases   |            |          |                        |               |
|      | Reinforced concrete class 20/20 aggregate as described in:-  | 178<br>282 | SM<br>SM |                        |               |
| G    | Strip footing  | 40         | CM       |                        |               |
| Н    | Column bases and columns   | 111        | CM       |                        |               |
| I    | 150mm Thick ground floor slab  | 1364       | SM       |                        |               |
|      | Total Carried to collection B7   |            |          |                        |               |

| ITEM | DESCRIPTION  | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|------|------|------------------------|------------------|
|      | Reinforcement  |      |      |                        |                  |
|      | B.R.C Mesh Reinforcement   |      |      |                        |                  |
| A    | Fabric Mesh reinforcement to Ref. A142 laid in slab with minimum 300mm side and end laps (measured net with no allowance for overlaps) | 1364 | SM   |                        |                  |
|      | High tensile square twisted bar reinforcement to B.S 4461 supplied, cut, bent and fixed;   |      |      |                        |                  |
| В    | 8mm diameter bars  | 599  | KG   |                        |                  |
| C    | 10mm Ditto   | 1834 | KG   |                        |                  |
| D    | 12mm ditto   | 4211 | KG   |                        |                  |
| Е    | 16mm ditto   | 59   | KG   |                        |                  |
| F    | 20mm ditto   | 1064 | KG   |                        |                  |
| G    | 25mm ditto   | 1973 | KG   |                        |                  |
|      | Formwork   |      |      |                        |                  |
| Н    | Sawn formwork as described to:-  |      |      |                        |                  |
| п    | Edges of floor slab 75- 150mm girth  | 245  | SM   |                        |                  |
| I    | Sides of column bases 300-450mm girth.   | 214  | SM   |                        |                  |
| J    | Sides of strip footing   | 137  | SM   |                        |                  |
| K    | Sides of vertical column   | 224  | SM   |                        |                  |
|      |  |      |      |                        |                  |
|      | Total Carried to collection B7   |      |      |                        |                  |

| ITEM | DESCRIPTION   | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT (Kshs) |
|------|---|-----|------|------------------------|---------------|
|      | Foundation Walling  |     |      |                        |               |
|      | Approved natural stone built in courses of cement/sand (1:3) mortar mix as described in:-   |     |      |                        |               |
| A    | 200mm Thick natural stone walling reinforced at each alternate course with and including 24gauge 25mm galvanized mild steel hoop iron.                  | 954 | SM   |                        |               |
| В    | Damp Proof Course.  |     |      |                        |               |
|      | 150mm Wide 3 ply bituminous felt or equally approved damp proof course laid under walls with and including 20mm thick cement/sand (1:3) setting screed. | 720 | LM   |                        |               |
| С    | Plinth finishes   |     |      |                        |               |
|      | Cement/sand (1:3) render as described to:-  |     |      |                        |               |
| D    | 20mm Thick render to plinths.   | 132 | SM   |                        |               |
|      | Prepare and apply three coats of black bituminous paint on rendered walls externally  | 132 | SM   |                        |               |
|      | Paving slabs<br>Excavations   |     |      |                        |               |
|      | Excavate vegetation soil average 150mm deep and cart away   | 270 | SM   |                        |               |
|      | Filling in aprons   |     |      |                        |               |
|      | 150mm thick hardcore filling compacted in layers.   | 270 | SM   |                        |               |
|      |   |     |      |                        |               |
|      | Total Carried to collection B7  |     |      |                        |               |
|      | D6  |     |      |                        |               |

| ITEM | DESCRIPTION  | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|-----|------|------------------------|------------------|
| A    | Paving slab Precast concrete; class 20/20 600x600x50mm thick slabs laid on and including 50mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar v-joints | 270 | SM   |                        |                  |
|      | Carried to Substructure collection   |     |      |                        |                  |
|      | SUBSTRUCTURE COLLECTION  |     |      |                        |                  |
|      | Brought from above   |     |      |                        |                  |
|      | Brought forward from B3  |     |      |                        |                  |
|      | Brought forward from B4  |     |      |                        |                  |
|      | Brought forward from B5  |     |      |                        |                  |
|      | Brought forward from B6  |     |      |                        |                  |
|      |  |     |      |                        |                  |
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|      |  |     |      |                        |                  |
|      | Tatal Camilalta called   |     |      |                        |                  |
|      | Total Carried to collection main Summary page B26  |     |      |                        |                  |

| ITEM | DESCRIPTION  | QTY  | UNIT | UNIT RATE (Kshs) | AMOUNT (Kshs) |
|------|--|------|------|------------------|---------------|
|      | ELEMENT NO.2: SUPERSTRUCTURE   |      |      |                  |               |
|      | Walls Approved natural stone walling, fine chisel dressed one side the other butchered to receive plaster or render (m/s) bedding and jointing in cement sand mortar (1:4) |      |      |                  |               |
| A    | External 150mm walling reinforced at each alternate course with and including 24gauge 25mm galvanized mild steel hoop iron.  | 2107 | SM   |                  |               |
| В    | Extra over for fair face and neat horizontal and vertical joints all brushed neat to approval.   | 2107 | SM   |                  |               |
|      | Approved concrete blocks walling bedded and jointed in cement sand mortar reinforced with hoop iron at alternate course  | 4120 | G) A |                  |               |
| С    | Walls 150mm  | 4128 | SM   |                  |               |
| D    | Walls 100mm  | 1750 | SM   |                  |               |
| Е    | 150mm thick precast concrete lourve block walling in cement sand 1:4 mortar joining  | 88   | SM   |                  |               |
| F    | Damp Proof Course BS 743 type A bitumen hessian base 150mm laps. No allowance made for laps 150mm wide bedded in cement sand mortar (1:3)                                  | 882  | LM   |                  |               |
|      | Total Carried to Collection B23  |      |      |                  |               |

| ITEM | DESCRIPTION  | QTY   | UNI<br>T | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|-------|----------|------------------------|------------------|
|      | Insitu vibrated concrete mix class 20/20 in:   |       |          |                        |                  |
| A    | Beams  | 280   | СМ       |                        |                  |
| В    | Ring beams   | 70    | CM       |                        |                  |
| C    | Columns  | 107   | CM       |                        |                  |
| D    | 150mm suspended slab   | 3250  | SM       |                        |                  |
| E    | Staircase threads and risers and waist ramp  | 11    | CM       |                        |                  |
|      | Reinforcement High yield square twisted bar reinforcement to BS 4461; including bends, hooks, tying wire, distance blocks and spacers. |       |          |                        |                  |
| F    | 8mm diameter bars  | 7021  | WC       |                        |                  |
| G    | 10mm diameter bars   | 7821  | KG       |                        |                  |
| Н    | 12mm diameter bars   | 37975 | KG       |                        |                  |
| I    | 16mm diameter bars   | 2668  | KG       |                        |                  |
| J    | 20mm diameter bars   | 5299  | KG       |                        |                  |
| K    | 25mm diameter bars   | 14210 | KG       |                        |                  |
|      | Expansion Joint  | 15219 | KG       |                        |                  |
| L    | 22mm thick flexile in expansion joint  |       |          |                        |                  |
|      | 25x12mm mastic sealant   | 180   | SM       |                        |                  |
|      | Total Carried to collection B23  |       |          |                        |                  |

| ITEM | DESCRIPTION  | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT (Kshs) |
|------|--|------|------|------------------------|---------------|
|      | Sawn formwork  |      |      |                        |               |
| A    | Sides and soffits of beam                                      | 2905 | SM   |                        |               |
| В    | Sides and soffits of ring beam                                 | 650  | SM   |                        |               |
| C    | Sides of columns   | 2072 | SM   |                        |               |
| D    | Soffits of suspended slab                                      | 3250 | SM   |                        |               |
| Е    | Vertical edges of slab over 150mm but not exceeding 225mm high | 371  | SM   |                        |               |
|      |  |      |      |                        |               |
|      | <b>Total Carried to Collection B23</b>                         |      |      |                        |               |

| ITEM | DESCRIPTION  | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|------|------|------------------------|------------------|
| A    | ROOFING Approved concrete tiles size 400x250x25mm laid in accordance to pertinent drawings and with manufacturers printed instructions on and including treated 50x25mm sawn timber batterns and iron sheets underlay (m/s) as instructed. |      |      |                        |                  |
|      | Roof covering(concrete tiles shall be supplied by the client)  | 1644 | SM   |                        |                  |
| В    | Ridge and hip tiles  | 260  | LM   |                        |                  |
| С    | Raking cutting to hips or and valleys.   | 154  | LM   |                        |                  |
|      | GI Sheets Underlay   |      |      |                        |                  |
| D    | Galvanized steel corrugated iron sheets gauge 30 with small corrugations fixed to timber purlins(m/s)  | 1644 | SM   |                        |                  |
| E    | Ridge cap  | 186  | LM   |                        |                  |
| F    | Valley; 900mm girth twice bent to profile.  Structural timber  | 40   | LM   |                        |                  |
| G    | Cypress prime grade, pressure impregnated.   |      |      |                        |                  |
| Н    | 75x50mm purlin   | 1722 | LM   |                        |                  |
| I    | 100x50mm struts and underpurlins   | 2646 | LM   |                        |                  |
| J    | 150X50mm rafters and ties  | 3929 | LM   |                        |                  |
| K    | 150x25mm support beam/collar plates  | 1489 | LM   |                        |                  |
|      |  |      |      |                        |                  |
|      | Total Carried to Collection B23  |      |      |                        |                  |

| ITEM | DESCRIPTION   | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|---|------|------|------------------------|------------------|
|      | BOARDING  |      |      |                        |                  |
|      | Wought cypress prime grade, pressure impregnated  |      |      |                        |                  |
| A    | 225x25mm thick fascia board   | 744  | LM   |                        |                  |
|      | Closed Eaves  |      |      |                        |                  |
| В    | 50x50mm treated timber as Cypress brandering complete Pvc ceiling including pvc cornies and fixing accessories.   | 485  | SM   |                        |                  |
|      | Ceiling.  |      |      |                        |                  |
| С    | 12mm chipboards on 75x50mm treated timber brandering at 600mm centers including 75mm cypress timber cornies as applicable.  | 1296 | SM   |                        |                  |
|      | Rain Water Goods  |      |      |                        |                  |
| D    | 150mm half round gutter PVC gutter complete with PVC brackets to slope  | 532  | LM   |                        |                  |
| E    | 100mm heavy gauge grey PVC down pipes including all bends and connections to storm water drains or and main line to underground tank.   | 200  | LM   |                        |                  |
| F    | Excavate to slope depth not exceeding 900mm deep, compact surface, lay 100mm golden brown PVC pipe to underground water tank, haunch with mass concrete to slope all to engineers approval. | 957  | LM   |                        |                  |
| G    | Inspection chambers, 750x750mm in masonry walls on mass concrete complete with concrete covers to detail  | 20   | No   |                        |                  |
| Н    | Apply one coat undercoat and two finishing coats as Crown or equivalent on general timber and ceiling   | 1599 | SM   |                        |                  |
|      | Total Carried to Collection B23   |      |      |                        |                  |
|      | D12   |      |      |                        |                  |

| ITEM   | DESCRIPTION  | QTY | UNIT     | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|--------|--|-----|----------|------------------------|------------------|
|        | Windows  |     |          | (IXSIIS)               |                  |
| A      | Window Cills 275x75mm thick cill weathered throated molded to architectural details. Windows   | 336 | LM       |                        |                  |
|        | Windows made from 25x25x2mm Z sections, 25x25x2mm Tee sections, 25x2mm flat bars complete with all necessary ironmongery to architectural detail steel for glazing with putty lugs to two jamps, cutting and pinning to concrete or block work, fixing to head and sill with screws and plugging |     |          |                        |                  |
| В      | Window size 1700x1200mm, W1  | 120 | LM       |                        |                  |
| С      | Window size 800x1200mm, W2   | 32  | No       |                        |                  |
| D      | Window size 900x1200mm, W3   | 4   | No       |                        |                  |
| Е      | Window size 1000x1200mm, W4  | 32  | No       |                        |                  |
| F<br>G | Glass in openings to windows 4mm thick clear glass and glazing in and including glazing putty. Ditto; obscure  | 448 | SM       |                        |                  |
| Н      | Window boards with one labour plagged size   | 133 | SM       |                        |                  |
| I      | 150x25mm  Standard adjustable window curtain rods complete with all necessary fittings to approval   | 120 | LM<br>No |                        |                  |
| J      | Stand window curtain in heavy duty cotton printed material and blinder to approval by the Project Manager 1800mm high x 1200mm width fixed in curtain rods   | 240 | No       |                        |                  |
|        | Total Carried to Collection B23  |     |          |                        |                  |

| ITEM | DESCRIPTION  | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|-----|------|------------------------|------------------|
|      | Doors  |     |      |                        |                  |
|      | Purpose made doors made from RHS 50x25x2mm welded together complete with fan light and all the necessary ironmongery to architectural details.   |     |      |                        |                  |
| A    | 1600 x 2400mm double leaf doors.   |     |      |                        |                  |
| В    | 1200 x 2400mm single leaf doors  | 4   | No   |                        |                  |
| С    | 900 x 900mm double leaf doors  | 16  | No   |                        |                  |
|      |  | 4   | No   |                        |                  |
| D    | Purpose made standard steel casement doors as emergency exit 2400 x 2400mm four leaf doors   | 6   | No   |                        |                  |
|      | 45mm thick semi solid core standard flush door faced both sides with mahogany veneer and hardwood lipped all round complete with 100mm heavy duty brass hinges,150x50mm approved hardwood frame as rose wood with fanlight and padlock lockable aldrop externally and pad bolt internally with three coats of 1st grade varnish as Crown or equivalent with all other necessary ironmongery; |     |      |                        |                  |
| E    | 900x2400mm doors   | 108 | No   |                        |                  |
| F    | 1100x2100 double swing action hinges   | 8   | No   |                        |                  |
| G    | 900x1800mm high without fanlight   | 64  | No   |                        |                  |
| Н    | 900x2100mm high without fanlight   | 64  | No   |                        |                  |
| I    | Clear Glass 4mm clear glass and glazing to metal with putty in panels not exceeding 0.1 square metres  | 67  | SM   |                        |                  |
|      | Supply and fix 38mm door stoppers  | 124 | No   |                        |                  |
|      | Total Carried to Collection B23  |     |      |                        |                  |

| ITEM | DESCRIPTION  | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|------|------|------------------------|------------------|
| A    | Floor Finishes Screed, cement and sand (1:4) with approved integral dust proofing additive wood float finish to receive floor tiles (m/s) 30mm thick.            | 2764 | SM   |                        |                  |
|      | Approved non-slip ceramic floor tiles to regular pattern, bedding, jointing and pointing in cement nil complete with grouting and finished clean to approval;    |      |      |                        |                  |
| В    | 300x300x8mm thick, butt joints both ways to cement sand backing screed (m/s)   | 2764 | SM   |                        |                  |
| C    | Ditto skirting 100mm high  | 1650 | LM   |                        |                  |
| D    | Polished white cement based terrazzo 32mm thick cement sand screed (1:4) including 20x4mm thick plastic terrazzo strips to approved pattern to receive terrazzo; | 1470 | SM   |                        |                  |
| E    | 10mm terrazzo laid on screed (m/s) including polishing to smooth .   | 1470 | SM   |                        |                  |
| F    | Ditto but 100mm high skirting  | 1120 | LM   |                        |                  |
| G    | Ditto for 300mm threads  | 85   | LM   |                        |                  |
| Н    | Ditto for 150mm risers   | 91   | LM   |                        |                  |
| I    | Ditto for landing  | 27   | SM   |                        |                  |
|      |  |      |      |                        |                  |
|      |  |      |      |                        |                  |
|      |  |      |      |                        |                  |
|      | Total Carried to Collection B23  |      |      |                        |                  |

|   | DESCRIPTION   | QTY   | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|---|---|-------|------|------------------------|------------------|
|   | Wall finishes   |       |      | , ,                    |                  |
|   | 15mm thick plaster applied internally with cement sand (1:4) finished smooth with white lime using steel float to;  |       |      |                        |                  |
| A | Walls internally steel troweled   | 11310 | SM   |                        |                  |
| В | Concrete work   | 1120  | SM   |                        |                  |
| C | Ditto coloured tyrolean rendering   | 75    | SM   |                        |                  |
| D | Ring beam   | 372   | SM   |                        |                  |
| Е | Soffits of suspended slab   | 3250  | SM   |                        |                  |
| F | Soffits of landings   | 27    | SM   |                        |                  |
| G | Sloping soffits of staircase  | 40    | SM   |                        |                  |
|   | 15mm thick plaster applied externally with cement sand (1:3) wood float finished to;  | 66    | SM   |                        |                  |
| Н | Columns   | 78    | SM   |                        |                  |
| I | Beams   | 360   | SM   |                        |                  |
| J | Approved 250x200x6mm thick coloured ceramic wall tiles glazed to regular pattern, bedding, jointing and pointing in cement nil, grouting joints with matching cement butt joints both ways to cement sand backing (m/s) | 672   | SM   |                        |                  |
|   | Total Carried to Collection B23   |       |      |                        |                  |

| ITEM | DESCRIPTION   | QTY | UNIT | UNIT RATE (Kshs) | AMOUNT<br>(Kshs) |
|------|---|-----|------|------------------|------------------|
|      | Underground Water Tank                              |     |      |                  |                  |
| A    | Supply materials, construct, and test and           |     |      |                  |                  |
|      | commission 150M <sup>3</sup> underground water tank |     |      |                  |                  |
|      | as described all to approval of structural          |     |      |                  |                  |
|      | engineer;   |     |      |                  |                  |
|      | Class 25/15 concrete.                               |     |      |                  |                  |
|      | 200mm thick base slab, vertical wall and top        |     |      |                  |                  |
|      | slab.   |     |      |                  |                  |
|      | Reinforcement in 8, 10 and 12mm diameter            |     |      |                  |                  |
|      | bars at between 150to 200 centers on base           |     |      |                  |                  |
|      | slab, vertical wall and to slab. All these          |     |      |                  |                  |
|      | complete with 5x2x2m deep reinforced                |     |      |                  |                  |
|      | concrete settlement tank and 2x1x1m deep            | 1   | ITEM |                  |                  |
|      | R.C screen with galvanized screen 2No.              |     |      |                  |                  |
|      | Balustrades   |     |      |                  |                  |
|      | 37x3mm CHS welded 1000mm high, bottom               |     |      |                  |                  |
| В    | fish tailed and set in concrete,50x3mm CHS          |     |      |                  |                  |
|      | hand rail welded to balusters and 4No. R16          |     |      |                  |                  |
|      | bars as horizontal members at 200 centers, all      |     |      |                  |                  |
|      | with one coat red oxide primer before fixing        |     |      |                  |                  |
|      | and three coats of 1st grade gloss paint all as     |     |      |                  |                  |
|      | per architectural details.                          | 305 | LM   |                  |                  |
|      |   |     |      |                  |                  |
|      | Total Carried to Collection B23                     |     |      |                  |                  |

| ITEM   | DESCRIPTION  | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|--------|--|-----|------|------------------------|------------------|
|        | FIXTURES AND FITTINGS (All Provisional)  |     |      |                        |                  |
|        | Washroom worktops  |     |      |                        |                  |
| A      | Insitu vibrated reinforced concrete mix (1:2:4) grade 20/20 in 50mm thick worktop including Y8 reinforcement at 100 c/c, and all the necessary formworks.  | 156 | SM   |                        |                  |
| В      | Allow for forming openings for lab sinks   | 128 | No   |                        |                  |
| С      | Walling 100mm thick concrete block, bedded in cement sand mortar mix (1:3) complete with 12mm plaster finished smooth with lime on both sides of wall  | 109 | SM   |                        |                  |
| D<br>E | 10mm Terrazzo finish on worktops and sides including 20x4mm pvc terrazzo strips to approved colour including polishing smooth on 20mm thick cement sand(1:4) backing.                                  | 156 | SM   |                        |                  |
| F      | Approved coloured ceramic tiles glazed to regular pattern, bedding and pointing in cement grouting joints with matching cement 250x200x6mm wall tiles butt joints both ways to cement sand backing m/s | 218 | SM   |                        |                  |
|        |  |     |      |                        |                  |
|        | Total Carried to Collection B23  |     |      |                        |                  |
|        |  |     |      |                        |                  |

| ITEM | DESCRIPTION  | QTY        | UNIT       | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|------------|------------|------------------------|------------------|
|      | Spiral staircase   |            |            |                        |                  |
| A    | Purpose made all steel emergency spiral staircase approximately 15metres high from ground level including balustrades to detail and one coat primer 1 <sup>st</sup> grade paint and two finishing 1 <sup>st</sup> grade gloss paint to PM approval. Drawing No. 02 | 3          | No         |                        |                  |
| В    | <b>Beds</b> Fabricated double decker bed as described in drawing No. 03 complete with one primer and two finishing coats all as 1 <sup>st</sup> grade gloss paints.  | 204        | No         |                        |                  |
| С    | Fabricated single decker bed as described complete with one primer and two finishing coats all as 1 <sup>st</sup> grade gloss paints.  | 4          | No         |                        |                  |
| D    | Mattresses Heavy duty blue mattress 6ftsx 3fts x 4 inch thick  | 412        | No         |                        |                  |
| E    | Reading tables Student reading table with 25mm block board complete with all necessary framing and 25x25x2mm hardwood lipping with three coats of gloss paint to approval. Drawing No.04   | 208        | No         |                        |                  |
| F    | Student wardrobes all as described drawing No.01 Complete with three coats of 1 <sup>st</sup> grade gloss paint  | 208        | No.        |                        |                  |
| G    | Fabricate student study chairs as described in drawing 05. All with one coat primer gloss paint and two finishing 1 <sup>st</sup> grade gloss paint to approval.   |            |            |                        |                  |
| Н    | Ditto but 4 chairs fixed together with 50x25x2mm RHS   | 420<br>150 | No<br>sets |                        |                  |
|      | Total Carried to Collection page B23   |            |            |                        |                  |
|      |  |            |            |                        |                  |
|      |  |            |            |                        |                  |

| ITEM | DESCRIPTION   | QTY | UNIT     | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|---|-----|----------|------------------------|------------------|
| A    | Wash rooms Insitu vibrated reinforced concrete mix class 20/20 in; 50mm thick worktop including Y8 reinforcement at 100mm centres including all necessary formworks   | 48  | SM       |                        |                  |
| В    | Allow for forming openings  | 1   | Itaan    |                        |                  |
| С    | Walling 100mm thick concrete block, bedded in cement sand mortar mix (1:3) complete with 12mm plaster finished smooth with lime on both sides of wall.  | 320 | Item  LM |                        |                  |
| D    | 10mm terrazzo finish on worktops and sides including 20x4mm PVC strips to approved colour and polishing smooth on 15mm thick cement sand backing  | 60  | SM       |                        |                  |
| Е    | Relocate temporary kitchen and store. Build 4m x4m kitchen with 3No. firewood kitchen hoods and 4mx4m store. All in masonry and concrete tiles on timber roof, floor screed finish, painted walls, 2 No. 1200x2100mm steel casement doors, 2No. 1200x1200mm steel casement window including all necessary works | 1   | Item     |                        |                  |
|      | Total Carried to Collection page B23  |     |          |                        |                  |

| ITEM | DESCRIPTION  | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|--|-----|------|------------------------|------------------|
| A    | Supply and fix 4 No. 42 inch Television as SONY or equivalent all connected to DSTV with a one year premium subscription from the date of handover of the  |     | Sata |                        |                  |
| В    | project all including the steel TV cages  Supply and fix cloth line from CHS 50mmx3mm spaced at 2m centers with galvanized cloth line  | 75  | Sets |                        |                  |
| С    | Catalina chairs from 25x25x2mm steel frame with heavy 50mm cushion covered with heavy duty recsin  | 50  | No   |                        |                  |
| D    | Cantilever stainless steel frame chairs with<br>heavy duty cushion to project managers<br>approval   | 50  | No   |                        |                  |
| E    | Hostels officer's boardroom tables from veneer<br>block board with hardwood lipping round with<br>all necessary ironmongery for 50capacity<br>boardroom  | 1   | set  |                        |                  |
| F    | Supply and fix aluminum framework and 6mm plain glass on office partitions at the administration block 2 <sup>nd</sup> floor including doors with closers and all necessary ironmongery to Project Managers approval | 200 | SM   |                        |                  |
|      | Total Carried to Collection page B23   |     |      |                        |                  |

| ITEM | DESCRIPTION  | QTY   | UNIT | UNIT<br>RATE | AMOUNT (Kshs) |
|------|--|-------|------|--------------|---------------|
|      | PAINTING AND DECORATION  |       |      | (Kshs)       |               |
| A    | On metal work. Prepare and apply one approved primer, one undercoat and two finishing coats as Crown SOLO or other approved equivalent supper gloss paint.  General window and door surfaces | 564   | SM   |              |               |
|      | Prepare and apply three coats of 1 <sup>st</sup> Grade emulsion paint as Crown including filling with approved wall care to;   | 11210 | CM   |              |               |
| В    | Plastered walls, beams and column surfaces   | 11310 | SM   |              |               |
|      |  | 3250  | SM   |              |               |
| C    | Plastered slab soffits   | 26    | CM   |              |               |
| D    | Suspended landings   | 36    | SM   |              |               |
|      |  | 27    | SM   |              |               |
| E    | Stair waist internally   | 936   | SM   |              |               |
| F    | Plastered beams and columns externally   | 930   | SIVI |              |               |
|      |  |       |      |              |               |
|      |  |       |      |              |               |
|      |  |       |      |              |               |
|      |  |       |      |              |               |
|      | T  |       |      |              |               |
|      | Total Carried to Collection B23  |       |      |              |               |

| ITEM | DESCRIPTION                               | QTY | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT (Kshs) |
|------|---|-----|------|------------------------|---------------|
|      | Collection from page B8                   |     |      |                        |               |
|      | Collection from page B9                   |     |      |                        |               |
|      | Collection from page B10                  |     |      |                        |               |
|      | Collection from page B11                  |     |      |                        |               |
|      | Collection from page B12                  |     |      |                        |               |
|      | Collection from page B13                  |     |      |                        |               |
|      | Collection from page B14                  |     |      |                        |               |
|      | Collection from page B15                  |     |      |                        |               |
|      | Collection from page B16                  |     |      |                        |               |
|      | Collection from page B17                  |     |      |                        |               |
|      | Collection from page B18                  |     |      |                        |               |
|      | Collection from page B19                  |     |      |                        |               |
|      | Collection from page B20                  |     |      |                        |               |
|      | Collection from page B21                  |     |      |                        |               |
|      | Collection from page B22                  |     |      |                        |               |
|      |   |     |      |                        |               |
|      |   |     |      |                        |               |
|      | Total Collections carried to main Summary |     |      |                        |               |
|      | Page B26                                  |     |      |                        |               |

| ITEM | DESCRIPTION   | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT<br>(Kshs) |
|------|---|------|------|------------------------|------------------|
|      | Road works  |      |      | (22525)                |                  |
| A    | Clear bush and vegetable soil with of 5M<br>Grade the surface, water and compact to 98% MDD<br>using 10 Tonne Roller.   | 1500 | SM   |                        |                  |
| В    | Approved excavated materials as fill compacted to 98% MDD consolidated to required subgrade level, average thickness 200mm using 10 ten vibrating drum roller.  | 3000 | SM   |                        |                  |
| С    | Place and compact approved murram material stabilized in cement sand (1:6), 150mm thick layer to form base as directed by the project Engineer.   | 3000 | SM   |                        |                  |
| D    | Lay 125x100mm thick precast road channels on mass concrete base 400x100mm in 1:3 cement sand mortar including haunching in 1:3:6 concrete as directed by the PE   | 1500 | LM   |                        |                  |
| Е    | Lay, fix and compact with mechanical vibrator 60mm thick precast concrete paving blocks in grey cement including laying 30mm quarry dust bed mechanically vibrated. Cover the whole surface area with sand, brush and vibrate to fill joint to Project Engineers approval. (60mm paving blocks supplied by the client). | 3000 | SM   |                        |                  |
| F    | Excavate trench, provide materials and construct culvert of diameter 600mm and 8 metres long including approaches and headwall, returning fill and compaction. (600mm culverts provided by the client)  | 2    | No   |                        |                  |
| G    | Allow 150mm PVC for service ducts as instructed by the PE.  | 4    | No   |                        |                  |
| Н    | Excavate trench, compact base and slopes of trench, lay including jointing all to slope 300mm diameter Invert Block Drain and one or two lines of 600x225x75mm interlocking side slabs to approval by the PE. (IBDs and side slabs shall be provided by the client).  | 1000 | LM   |                        |                  |
|      | Total carried to collection page B26 main summary collection  |      |      |                        |                  |

| ITEM | DESCRIPTION   | QTY  | UNIT | UNIT<br>RATE<br>(Kshs) | AMOUNT (Kshs) |
|------|---|------|------|------------------------|---------------|
|      | Provisional Sums  |      |      |                        |               |
| A    | Allow a provisional sum of Kenya Shillings Ten Million(8,000,000) for contingencies | Item |      |                        | 8,000,000.00  |
|      | Total Carried to Main Summary page B26  |      |      |                        | 8,000,000.00  |
|      |   |      |      |                        |               |

| ITEM | DESCRIPTION  | AMOUNT<br>(Kshs) |
|------|--|------------------|
|      | Duomagad Waysan Chudanta Hagtal and Aggariated Wouled                  |                  |
|      | Proposed Women Students Hostel and Associated Works  Main Summary Page |                  |
|      | Iviam Summary Lage   |                  |
|      | Collection from page B2 ( Preliminaries)                               |                  |
|      | Collection from page B7 (Substructure)                                 |                  |
|      | Collection from page B23 (Superstructure)                              |                  |
|      | Collection from page B24 (Road Works)                                  |                  |
|      | Collection from page B25 ( Provisional Sums and                        |                  |
|      | Contingencies)   | 8,000,000        |
|      | Total carried to form of tender  |                  |
|      |  |                  |
|      | Amount in words  |                  |
|      |  |                  |
|      |  |                  |
|      | Signed:  |                  |
|      | Address:   |                  |
|      |  |                  |
|      | Date:  |                  |
|      | Witness Name:  |                  |
|      | Address:   |                  |
|      |  |                  |
|      | Sign   |                  |
|      | Date:  |                  |
|      |  |                  |
|      |  |                  |
|      |  |                  |