

| ITEM | DESCRIPTION   | UNIT | QTY  | RATE | AMOUNT |
|------|---|------|------|------|--------|
|      | <p><b><u>1.0 PRELIMINARIES (ALL PROVISIONAL)</u></b></p> <p><b>Description of works</b><br/>The works to be carried out under this contract include the construction of a foot bridge at Masinde Muliro University of Science and Technology complete with approach walkways and associated works</p> |      |      |      |        |
| 1    | Construction and maintenance of site office   |      | ITEM |      |        |
| 2    | Site location clause  |      | ITEM |      |        |
| 3    | Firm price contract clause  |      | ITEM |      |        |
| 4    | Prime cost and provisional sum clause (insert profit and attendance which is a percentage of expended PC or provisional sum.)   |      | ITEM |      |        |
| 5    | Performance bond of 10% of contract sum and bid Bond of 2% of tender sum clause   |      | ITEM |      |        |
| 6    | Adherence to Government Legislation and Regulations   |      | ITEM |      |        |
| 7    | Insurance company Fees  |      | ITEM |      |        |
| 8    | Samples and Materials Generally clause and cost of testing  |      | ITEM |      |        |
| 9    | Allow sum for the contractor's administrative costs   |      | ITEM |      |        |
|      | <i>Preliminaries summary carried to main collection page</i>  |      |      |      |        |

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|------|--|-------|-------|-------|--------|
|      | <b>2.0 SUBSTRUCTURE (ALL PROVISIONAL)</b>  |       |       |       |        |
|      | <b>Site Preparation</b>  |       |       |       |        |
| 1    | clearing sit of vegetation undergrowth grubbing up roots and disposal offsite as directed  | SM    | 1400  |       |        |
| 2    | Cut trees of garth not exceeding 900mm cart offsite as directed  | No    | 15    |       |        |
|      | <b>A. Excavation and earthworks.</b>   |       |       |       |        |
| 3    | Excavate over site average 150mm deep to remove vegetable top soil and cart away.  | SM    | 1200  |       |        |
| 4    | Excavate the pad foundation bases in wet area near river to depth not exceeding 3000mm deep starting from reduced level and stock pile on site as directed by project manager. | CM    | 160   |       |        |
| 5    | Cut to level and trim base of column bases.  | SM    | 65    |       |        |
| 6    | Return fill and ram selected excavated material around foundations.  | CM    | 102   |       |        |
| 7    | Allow for planking of sides and keeping foundations free of water.   | ITEM  | 1     |       |        |
|      | <b>B. Concrete works.</b>  |       |       |       |        |
|      | <b>Blinding concrete class 15(20) 1:3:6</b>  |       |       |       |        |
|      | 50mm thick below column and retaining wall bases   | SM    | 54    |       |        |
|      | Vibrated concrete class 30(20) 1:1:2described in:  |       |       |       |        |
| 8    | Column bases.  | CM    | 12    |       |        |
| 9    | Columns.   | CM    | 6     |       |        |
| 10   | Retaining wall base  | CM    | 8     |       |        |
| 11   | Retaining wall   | CM    | 7     |       |        |
|      | <i>Substructure page total carried forward to next page</i>  | ..... | ..... | ..... |        |

| ITEM | DESCRIPTION   | UNIT  | QTY   | RATE  | AMOUNT |
|------|---|-------|-------|-------|--------|
|      | <i>Substructure page total carried from previous page</i>                                       | ..... | ..... | ..... |        |
|      | <b>B1. Reinforcement</b>  |       |       |       |        |
|      | High tensile ribbed bar reinforcement to BS 4461 including cutting, bending, tying and spacers. |       |       |       |        |
| 1    | 8mm dia bars  | KG    | 100   |       |        |
| 2    | 10mm bars   | KG    | 65    |       |        |
| 3    | 12mm dia bars.  | KG    | 450   |       |        |
| 4    | 16mm bars   | KG    | 1115  |       |        |
|      | <b>B2. Sawn timber.</b>   |       |       |       |        |
|      | Sawn formwork on sides to;  |       |       |       |        |
| 5    | Vertical sides of column bases  | SM    | 18    |       |        |
| 6    | Vertical sides of round column  | SM    | 10    |       |        |
| 7    | Vertical sides of retaining wall base   | SM    | 11    |       |        |
| 8    | Vertical sides of retaining wall  | SM    | 30    |       |        |
|      | <i>Substructure summary carried to main collection page</i>                                     |       |       |       |        |

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|      | <b><u>3.0 SUPERSTRUCTURE (ALL PROVISIONAL)</u></b>   |      |      |      |        |
|      | <b>A. Reinforced concrete.</b>   |      |      |      |        |
|      | Vibrated reinforced concrete class 30(20)1:1:2<br><b>fare face finish</b> as described in:       |      |      |      |        |
| 1    | Columns - Circular   | CM   | 13   |      |        |
| 2    | Beams  | CM   | 10   |      |        |
| 3    | 150 to 300mm Slab deck at an average of 6.5<br>above ground level                                | SM   | 130  |      |        |
| 4    | Retaining wall   | CM   | 4.8  |      |        |
| 5    | Slanting restraint wall on column  | CM   | 3    |      |        |
| 6    | 300mm diameter 300mm high bollards as<br>detailed  | CM   | 1    |      |        |
|      | <b>B. Reinforcement.</b>   |      |      |      |        |
|      | High yield steel reinforcement bars to BS 4461<br>including cutting, bending, tying and spacers. |      |      |      |        |
| 7    | 8mm dia bars   | KG   | 900  |      |        |
| 8    | 12mm dia bars  | KG   | 1876 |      |        |
| 9    | 16mm dia bars  | KG   | 2260 |      |        |
| 10   | 25mm dia bars  | KG   | 1850 |      |        |
| 11   | 25mm diameter mild steel dowel bars 900mm<br>long fixed as detailed                              | NO   | 18   |      |        |
|      | <b>D. Sawn timber.</b>   |      |      |      |        |
|      | Sawn timber formwork to:   |      |      |      |        |
| 12   | Vertical sides of columns  | SM   | 14.4 |      |        |
| 13   | Vertical sides of retaining wall   | SM   | 20   |      |        |
| 14   | Sides and soffits of horizontal suspended beams  | SM   | 55   |      |        |
| 15   | Soffits of suspended deck  | SM   | 130  |      |        |
|      | <i>Superstructure summary carried to main<br/>collection page</i>                                |      |      |      |        |

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|      | <b><u>4.0 FINISHES AND FITTINGS (ALL PROVISIONAL)</u></b>   |      |     |      |        |
|      | <b>A. Balustrades.</b>  |      |     |      |        |
| 1    | Fix ballustrades fabricated out of MS steel sections including applying 1 coat of First Grade Undercoat primer and 2 coats of First Grade gloss paint as directed by the project manager consisting of 500mm dia. 3mm thick CHS top rail, 40mm by 3mm thick vertical members , and 16mm dia. mild steel bar all as detailed | LM   | 150 |      |        |
| 2    | Allow for 32mm heavy PVC storm water ducts at 3000c/c on deck slab as described in the drawing.   | NO   | 36  |      |        |
| 3    | 25mm plaster on abutments, columns, beams and soffit of deck slab complete with approved waterproofing as shall be directed the project manager.  | SM   | 217 |      |        |
|      | <i>Finishing summary carried to main collection page</i>  |      |     |      |        |

| ITEM | DESCRIPTION   | UNIT | QTY | RATE | AMOUNT |
|------|---|------|-----|------|--------|
|      | <p><b><u>5.0 SOLAR SECURITY/STREET LIGHTING</u></b></p> <p>Supply, assemble, erect, and commission automated operation (automatic on/off) from dusk to dawn solar lighting complete with 2No. Additional lamps for replacement as "PHILIPS" or approved equivalent as described:</p> <p>i) The Support Pole - 6.0 metres above the ground level, 150mm diameter rigid aluminum pole fixed in 500x500x500mm mass concrete foundation and Die cast aluminium lamp fixtures.</p> <p>ii) Solar Panel - poly crystalline solar panel.<br/>Battery - tabular construction with 75% depth discharge covered in polymer/galvanised battery box with three (3No) days autonomy as backup during a cloudy day. All fixed at the topmost of the pole</p> <p>iii) Lamp - weather proof 90w LED version lamp</p> <p>iv) Charge controller - highly efficient to charge the battery with intelligent microprocessor controlled algorithms autonomously determine sunrise and sunset . all fixed at the topmost of the pole</p> <p><i>Solar security/street lighting summary carried to main collection page</i></p> | No   | 30  |      |        |

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|------|--|------|------|------|--------|
|      | <b>6.0 APPROACH WALKWAYS (Provisional)</b>   |      |      |      |        |
| 1    | Excavate average 100mm to remove vegetable top soil and cart away. Compact the surface to receive murram | SM   | 3500 |      |        |
| 2    | Fill and ram murram average depth 100mm  | SM   | 3000 |      |        |
| 3    | Vibrated mass concrete 1:2:4 walkway slab average depth 75mm   | SM   | 2700 |      |        |
| 4    | Precast concrete channels 100x125mm complete with haunching  | LM   | 2400 |      |        |
| 5    | Shallow Invert block drains 150x750x600mm placed complete with haunching                                 | LM   | 1200 |      |        |
|      | <i>APPROACH WALKWAYS SUMMARY<br/>CARRIED TO MAIN COLLECTION PAGE</i>                                     |      |      |      |        |

| ITEM | DESCRIPTION  | UNIT     | QTY        | RATE | AMOUNT              |
|------|--|----------|------------|------|---------------------|
|      | <b><u>7.0 PROVISIONAL SUMS</u></b>   |          |            |      |                     |
| 1    | Allow a provisional Sum of KShs.500,000.00 (Kenya Shillings Five Hundred Thousands) only for Contingencies to be spent only with approval of Project Manager | <i>1</i> | <i>SUM</i> |      | <i>500,000.00</i>   |
| 2    | Allow a provisional Sum of KShs. 10,000.00 (Kenya Shillings Ten Thousands) only for Project Manager's Stationery Expenses                                    | <i>1</i> | <i>SUM</i> |      | <i>50,000.00</i>    |
| 3    | Allow a provisional sum of KShs. 500,000.00 (Kenya Shillings Four Hundred Thousands) only for Civil Works.   | <i>1</i> | <i>SUM</i> |      | <i>500,000.00</i>   |
|      | <i>PROVISIONAL SUMS SUMMARY CARRIED TO MAIN COLLECTION PAGE</i>  |          |            |      | <i>1,050,000.00</i> |



| ITEM | DESCRIPTION                               | UNIT | QTY | RATE | AMOUNT              |
|------|---|------|-----|------|---------------------|
|      | <b>GRAND COLLECTION PAGE</b>              |      |     |      |                     |
| 1    | <i>PRELIMINARIES</i>                      |      |     |      |                     |
| 2    | <i>SUBSTRUCTURE</i>                       |      |     |      |                     |
| 3    | <i>SUPERSTRUCTURE</i>                     |      |     |      |                     |
| 4    | <i>FINISHING</i>                          |      |     |      |                     |
| 5    | <i>5.0 SOLAR SECURITY/STREET LIGHTING</i> |      |     |      |                     |
| 6    | <i>6.0 APPROACH WALKWAYS</i>              |      |     |      |                     |
| 7    | <i>PROVISIONAL SUMS</i>                   |      |     |      | <i>1,050,000.00</i> |
|      | <b>GRAND TOTAL</b>                        |      |     |      |                     |

Total amount in words

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Name of tenderer and stamp:

Address:

Sign:

PIN Number:

VAT certificate number:

Date:

Witness Name:

Witness Signature: