



REPUBLIC OF KENYA
DEPARTMENT OF PUBLIC WORKS

**SPECIFICATIONS AND BILLS OF
QUANTITIES**

FOR

**PROPOSED ERECTION AND
COMPLETION WORKS**

FOR

LIBRARY BLOCK

AT

LUMONYA SECONDARY SCHOOL

IN

BUNGOMA COUNTY

TENDER NO.....

PREPARED BY.

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PROPOSED ERECTION AND COMPLETION OF LIBRARY BLOCK .

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|------|----------------|
| | SUBSTRUCTURE (ALL PROVISIONAL) | | | | |
| | EXCAVATION AND EARTHWORKS | | | | |
| | SITE PREPARATION | | | | |
| | Clearing site vegetation; grubbing up roots and filling up voids left with selected excavated | | | | |
| A | Bushes, shrubs, undergrowth or the like and cart away from site | 411 | SM | 50 | 20,550 |
| | EXCAVATION | | | | |
| B | Excavating vegetable soil for preservation, average 150 mm thick | 411 | SM | 100 | 41,100 |
| | Excavating Surface to reduce level. | | | | |
| C | Over 300mm deep | 110 | CM | 150 | 16,500 |
| | Excavating Trenches; to receive foundations starting from reduced level | | | | |
| D | Not exceeding 1.50m deep | 136 | CM | 150 | 20,400 |
| | Breaking out existing material; extra over all kinds of excavations irrespective of depth | | | | |
| E | Rock irrespective of class | 4 | CM | 900 | 3,600 |
| | <u>Disposal</u> | | | | |
| G | Excavated material; Backfilling depositing and compacting in layers maximum 150mm thick | 189 | CM | 150 | 28,350 |
| H | Surplus excavated material; removing from site mechanically | 57 | CM | 450 | 25,650 |
| | Total Carried to collection | | | | 156,150 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|-------|------------------|
| | DISPOSAL OF WATER | | | | |
| A | Labour and materials, keeping excavations free from general water | | ITEM | 10000 | 10,000 |
| | PLANKING AND STRUTTING | | | | |
| B | Labour and materials, to uphold sides of excavation generally | | ITEM | 10000 | 10,000 |
| | FILLING | | | | |
| | Hardcore | | | | |
| C | 300mm thick depositing and compacting in layers maximum 150mm thick in making up levels | 368 | SM | 450 | 165,600 |
| | Murram | | | | |
| D | Blinding surfaces of fill 50 mm thick | 368 | SM | 150 | 55,200 |
| | ANTI-TERMITE AND HERBICIDE TREATMENT <u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly</u> | | | | |
| E | To surface of fill and tops of foundation walls | 368 | SM | 180 | 66,240 |
| | CONCRETE WORK | | | | |
| | INSITU CONCRETE | | | | |
| F | Plain mix 1:4:8 in foundation strip blinding 50mm thick | 92 | SM | 500 | 46,000 |
| G | Ditto in column bases | 21 | SM | 500 | 10,500 |
| | Vibrated reinforced concrete Class 20/20mm (1:2:4) in:- | | | | |
| H | Foundation strip | 18 | CM | 14000 | 252,000 |
| K | Floor Beds 150 mm thick | 368 | SM | 2100 | 772,800 |
| | Total Carried to collection | | | | 1,388,340 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|------|----------------|
| | <u>REINFORCEMENT</u> | | | | |
| | <u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u> | | | | |
| A | 10 mm diameter; in any location | 281 | KG | 180 | 50,580 |
| B | 12 mm ditto | 548 | KG | 180 | 98,640 |
| | <u>Fabric; B.S 4483</u> | | | | |
| C | Reference A142; mesh 200 x 200 mm weight 2.22 kgs per square meter (Measured net - no allowance made for laps); including bends, tying wire and distance blocks in any location | 368 | SM | 450 | 165,600 |
| | <u>SAWN FORMWORK TO INSITU CONCRETE</u> | | | | |
| D | Edges of floor bed 75 to 150 mm wide | 85 | LM | 150 | 12,750 |
| E | Sides of vertical columns | 28 | SM | 500 | 14,000 |
| | <u>WALLING</u> | | | | |
| F | 225mm thick approved local stone, roughly squared; bedding and jointing in cement mortar (1:4); reinforced with hoop iron gauge 500 in every alternate course | 198 | SM | 1500 | 297,000 |
| | <u>DAMP PROOF MEMBRANES</u> | | | | |
| | <u>500 gauge Polythenelaid with 150mm laps,(No allowance made for laps)</u> | | | | |
| G | Horizontal, 1 No. of layer(s) over 300 mm wide | 368 | SM | 120 | 44,160 |
| | Total Carried to collection | | | | 682,730 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|------|------------------|
| | PLINTH FINISHES | | | | |
| | Render, cement and sand (1:4) wood floated | | | | |
| A | 12mm thick 2 No. coat work, to concrete or blockwork base (m/s) generally external | 25 | SM | 300 | 7,500 |
| | Painting; 3 coats black bituminous paint to | | | | |
| B | Rendered surfaces external | 25 | SM | 250 | 6,250 |
| | PAVING SLABS | | | | |
| | Precast Concrete; class 20/20 | | | | |
| C | 600 x 600 x50 mm thick slabs laid on and including 50 mm (consolidated) bed of sand; jointed and pointed in cement sand 1:3 mortar V-joints | 33 | SM | 1200 | 39,600 |
| | Total Carried to collection | | | | 53,350 |
| | <u>COLLECTION</u> | | | | |
| D | Brought forward from page 1 | | | | 156,150 |
| E | Brought forward from page 2 | | | | 1,388,340 |
| F | Brought forward from page 3 | | | | 682,730 |
| G | Brought forward from page 4 Above | | | | 53,350 |
| | Total for Substructures carried to Summary | | | | 2,280,570 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|-------|----------------|
| | <u>REINFORCED CONCRETE FRAME CONCRETE WORK</u> | | | | |
| | <u>INSITU CONCRETE</u> <u>Vibrated class 20/20mm (1:2:4) in:-</u> | | | | |
| A | Beams | 9 | CM | 14000 | 126,000 |
| | <u>REINFORCEMENT</u> | | | | |
| | <u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u> | | | | |
| B | 8mm diameter in any location | 288 | KG | 180 | 51,840 |
| C | 12mm ditto | 508 | KG | 180 | 91,440 |
| | <u>FORMWORK TO INSITU CONCRETE</u> | | | | |
| D | Sides and soffites of beams | 127 | SM | 600 | 76,200 |
| | Total Reinforcement Concrete carried to Summary | | | | 345,480 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|------|----------------|
| | <u>WALLING</u> | | | | |
| | <u>Approved natural stone, fine chisel dressed one side beddend and jointed in recessed pointing one side in cement sand mortar (1:4) .</u> | | | | |
| A | Walls 200mm thick reinforced with hoop iron gauge 500 in every alternate course | 464 | SM | 2000 | 928,000 |
| B | Form or leave 250mm x 250mm opening in 200 mm walling for permanent ventilation(m.s) | 29 | NO | 250 | 7,250 |
| C | 225mm x 225mm precast concrete permanent vent with mosquito gauze laid in cement sand 1:3 mortar | 58 | NO | 300 | 17,400 |
| | DAMP PROOF COURSES | | | | |
| | <u>B.S 743, type A, bitumen hessian base 150mm laps, No allowances made for laps</u> | | | | |
| D | 200mm wide ditto | 126 | LM | 150 | 18,900 |
| | Total Walling carried to Summary | | | | 971,550 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|-------|------------------|
| | <u>ROOFING</u> | | | | |
| | ROOF COVERING | | | | |
| A | Gauge 28 pre-painted galvanised corrugated iron sheets nailed to purlins (m/s) (Supplied by MRM) | 552 | SM | 2000 | 1,104,000 |
| B | Ridge cap in matching materials do | 36 | LM | 900 | 32,400 |
| | <u>CARPENTRY</u> | | | | |
| | <u>STRUCTURAL TIMBERS</u> | | | | |
| | <u>Cypress, Prime grade, pressure impregnated</u> | | | | |
| D | 75mm x 50mm purlin | 673 | LM | 200 | 134,600 |
| E | 100 x 50mm Wall plate bedded in cement : sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast in concrete at 1000mm 1000 mm centres | 115 | LM | 300 | 34,500 |
| F | 100 x 50mm Tie or strut | 496 | LM | 300 | 148,800 |
| G | 150 x 50mm Rafters | 321 | LM | 350 | 112,350 |
| H | Ditto tie beam | 376 | LM | 350 | 131,600 |
| I | 150mm x 50mm support beam/ collar plates | 36 | LM | 350 | 12,600 |
| | BOARDING | | | | |
| | <u>Wrought cypress, prime grade, pressure impregnated</u> | | | | |
| J | 225 x 25mm thick Fascia or barge boards | 85 | LM | 350 | 29,750 |
| K | Eaves/ Verge filling in 25mm thick T & G or equal and approved alternative. | 51 | SM | 1,200 | 61,200 |
| L | 50 x 50mm bearers nailed to sawn cypress | 85 | LM | 120 | 10,200 |
| M | Ditto plugged | 85 | LM | 120 | 10,200 |
| | Total Carried to collection | | | | 1,822,200 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|--|---|-----|------|------|------------------|
| <u>RAINWATER INSTALLATIONS</u> | | | | | |
| <u>Gutterwork , PVC gutter and fittings</u> | | | | | |
| A | 150 mm PVC Gutters half round in running lengths, fixing with brackets at 1000mm centres (M.S) and with appropriate jointing (M.S) | 48 | LM | 850 | 40,800 |
| B | Extra over gutters for 100mm diameter pipe outlet | 2 | NO | 300 | 600 |
| C | Ditto stopped end | 2 | NO | 250 | 500 |
| D | Ditto brackets | 49 | NO | 250 | 12,250 |
| E | Ditto Corners | 2 | NO | 250 | 500 |
| F | Ditto joints | 10 | NO | 200 | 2,000 |
| <u>Rainwater pipework</u> | | | | | |
| G | 100mm diameter pipes complete with connections in the running lengths, fixing with PVC holdersbats at 1000mm centers to backgrounds requiring plugging on walls | 6 | LM | 550 | 3,300 |
| H | Extra over pipework for shoes | 2 | NO | 300 | 600 |
| I | Ditto swanneck | 2 | NO | 300 | 600 |
| <u>PAINTING AND DECORATING</u> | | | | | |
| <u>ONE UNDERCOAT TWO COATS OIL PAINT</u> | | | | | |
| <u>FULL GLOSS FINISH TO CROWN PAINTS OR</u> | | | | | |
| <u>EQUAL AND APPROVED</u> | | | | | |
| J | General timber board surfaces | 51 | SM | 200 | 10,200 |
| K | Ditto 200 to 300mm girth external | 85 | LM | 150 | 12,750 |
| Total Carried to collection | | | | | 84,100 |
| <u>COLLECTION</u> | | | | | |
| L | Brought forward from page 9 | | | | 1,822,200 |
| M | Brought down from above | | | | 84,100 |
| Total Roofing Carried to Summary | | | | | 1,906,300 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|-------|----------------|
| | <u>WINDOWS</u> | | | | |
| A | <p><u>Precast concrete, Normal, Class 20/ 20mm vibrated</u> Sills 250 x 75mm thick, once sunk weathered, once throated, reinforced as necessary for handling, bedding jointing and pointing in cement mortar (1:4)</p> | 43 | LM | 1000 | 43,000 |
| | <u>JOINERY</u> | | | | |
| B | <p>WROT CAMPHOR 120X20mm window boards, moulded and fixed to masonry surface with screws and grounds.</p> | 43 | LM | 550 | 23,650 |
| | WROT CYPRESS | | | | |
| C | <p>Built up pelmet box made of 125x25mm front, 100 x 25 mm top and ends, 25 x 50 mm bearers all assembled and fixed to wall with nails and grounds.</p> | 43 | LM | 1500 | 64,500 |
| | <u>METAL WORK</u> | | | | |
| | <u>PURPOSE MADE UNITS</u> | | | | |
| | <p>Case ment mid hang window with horizontal pivots; standard metal casement sections, permanent ventilators comprising T-bar gauze wire and metal hood to fill width of window, but 100mm deep one coat primer by manufacturer; complete with all necessary ironmongery, steel for glazing with putty, cutting and pinning lugs to concrete or blockwork, fixing to head and sill with screws and plugging.</p> | | | | |
| D | Overall size 2200 x 1500 mm high | 15 | NO | 15000 | 225,000 |
| E | Overall size 1000 x 1500 mm high | 4 | NO | 12000 | 48,000 |
| | Windows cont'd | | | | |
| F | <p>Welded metal grill burglar proofing in 20mmx 20mmx1.5mm thick SHS bars with one coat primer including welding to metal in approved pattern</p> | 56 | SM | 2000 | 112,000 |
| | Total Carried to collection | | | | 516,150 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|------|------------------|
| A | <u>GLAZING</u> 4mm thick clear sheet glass and glazing to metal with putty in panes n.e 0.1m ² | 56 | SM | 1400 | 78,400 |
| | <u>PAINTING AND DECORATING</u> | | | | |
| | <u>ONE UNDERCOAT TWO COATS OIL PAINT GLOSS OIL FINISH AS CROWN PAINTS OR OTHER EQUAL AND APPROVED CATALOGUE</u> | | | | |
| B | Metal window surfaces generally internally and externally measured overall. | 112 | SM | 200 | 22,400 |
| C | Plastered Concrete and masonry surfaces 200 - 300mm girth | 43 | LM | 150 | 6,450 |
| D | Timber surfaces 100-200mm girth including priming where necessary. | 43 | LM | 50 | 2,150 |
| | Total Carried to collection | | | | 737,550 |
| | <u>COLLECTION</u> | | | | |
| E | Brought Forward from page 11 | | | | 516,150 |
| F | Brought forward from page 12 above | | | | 737,550 |
| | TOTAL FOR WINDOWS CARRIED TO SUMMARY | | | | 1,253,700 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|-------|----------------|
| | <u>DOORS</u> | | | | |
| | <u>JOINERY</u> | | | | |
| | <u>Frames; Wrot Mahogany</u> | | | | |
| A | 150 x 50mm rebated frame once laboured | 38 | LM | 750 | 28,500 |
| B | 45 x 25mm Architraves | 38 | LM | 60 | 2,280 |
| C | 15 x 15mm quadrant | 38 | LM | 90 | 3,420 |
| | <u>Timber doors</u> | | | | |
| D | 900 x 2700mm high Solid core flush door to detail in single leaf | 6 | NO | 18500 | 111,000 |
| | <u>GLAZING</u> | | | | |
| F | 4mm thick clear sheet glass and glazing with putty to casement door in panes 0.10m - 0.05m squared | 2 | SM | 1,400 | 2,800 |
| | <u>STEEL DOOR</u> | | | | |
| G | Steel doors in 75mm thick RHS frame and with 6mm sheet metal cladding size 1200 by 2700mm in double leaf complete with padlocking bolts and appropriate padlock | 3 | NO | 6,000 | 18,000 |
| G | Steel doors in 75mm thick RHS frame and with 6mm sheet metal cladding size 900 by 2700mm in double leaf complete with padlocking bolts and appropriate padlock | 1 | NO | 6,000 | 6,000 |
| | <u>IRONMONGERY</u> | | | | |
| | <u>Supply and fix the following : -</u> | | | | |
| H | Steel butt hinges 100mm | 9 | PRS | 150 | 1,350 |
| I | 225 x 25 x 3mm thick door fixing cramps one end bent and twice screwed to frame and the other end fanged and built into blockwork | 36 | NO | 100 | 3,600 |
| J | Door stops fixed to wall or floor with screws | 13 | NO | 100 | 1,300 |
| | Total Carried to collection | | | | 178,250 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|-------|----------------|
| A | Three lever mortice lock catalogue No. 2237 complete with set lever handle furniture Indicator bolt | 6 | NO | 3,500 | 21,000 |
| | <u>PAINING AND DECORATING</u> | | | | |
| | <u>ONE COAT ALUMINIUM HARDWOOD PRIMER TO CROWN PAINTS OR EQUAL AND APPROVED</u> | | | | |
| B | Wood surfaces before fixing not exceeding 100 mm girth internal | 38 | LM | 50 | 1,900 |
| C | Ditto 100 - 200 mm girth | 38 | LM | 50 | 1,900 |
| | <u>ONE UNDERCOAT, TWO COATS POLYURETHANE CLEAR VARNISH TO CROWN PAINTS OR EQUAL AND APPROVED</u> | | | | |
| D | General wood surfaces externally and internally | 76 | SM | 200 | 15,200 |
| E | Wood surfaces 200 - 300mm girth externally | 38 | LM | 150 | 5,700 |
| F | Ditto 0 - 100mm girth | 38 | LM | 150 | 5,700 |
| | <u>ONE UNDERCOAT TWO COATS OIL PAINT GLOSS OIL FINISH AS CROWN PAINTS OR OTHER EQUAL AND APPROVED CATALOGUE</u> | | | | |
| G | Door surfaces generally | 25 | SM | 200 | 5,000 |
| | Total Carried to collection | | | | 235,900 |
| | <u>COLLECTION</u> | | | | |
| H | Brought forward from Page 13 | | | | 178,250 |
| I | Brought forward from Page 14 Above | | | | 235,900 |
| | Total Doors carried to Summary | | | | 414,150 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|------|------|------|------------------|
| | <u>FINISHES</u> | | | | |
| | <u>FLOOR, WALL AND CEILING FINISHES</u> | | | | |
| | <u>FLOORS</u> | | | | |
| A | 25mm thick cement sand screed (1:4) finished smooth | 368 | SM | 500 | 184,000 |
| B | 15mm thick terrazo finish well polished | 368 | SM | 2000 | 736,000 |
| C | 20mm x 100mm high terrazo skirting with rounded junction with wall finish and coved junction with floor | 134 | LM | 200 | 26,800 |
| | <u>WALLS</u> | | | | |
| D | 12mm thick, 2 No. coat work Plaster 1:2:6 to concrete or blockwork base (m/s) generally, walls internal steel trowelled | 401 | SM | 500 | 200,500 |
| E | Keying and painting to walls externally | 253 | SM | 500 | 126,500 |
| | <u>CEILINGS</u> | | | | |
| G | 12mm thick softboard "celotex" sheet nailed onto timber brandering(m.s) | 368 | SM | 1300 | 478,400 |
| H | Sawn cypress brandering 75 x 50mm | 567 | LM | 200 | 113,400 |
| I | Ditto size 50 x 50mm do | 1254 | LM | 150 | 188,100 |
| J | Extra over ceiling for trap door size 600 x450mm complete with framing. | 2 | No | 900 | 1,800 |
| | <u>Cypress prime grade, pressure impregnated</u> | | | | |
| K | Ex50mm thick x 75mm wide moulded cornice plugged to wall and nailed to ceiling finish. | 134 | LM | 150 | 20,100 |
| | Total Carried to collection | | | | 2,075,600 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|---|-----|------|------|----------------|
| | PAINTING AND DECORATING | | | | |
| | <u>THREE COATS PVA BASED EMULSION PAINT TO CROWN PAINTS OR EQUAL AND APPROVED</u> | | | | |
| A | Celotex ceiling surfaces | 368 | SM | 230 | 84,640 |
| B | Timber surfaces 100 - 200 mm girth | 134 | LM | 150 | 20,100 |
| | <u>ONE UNDERCOAT TWO COATS OIL PAINT FULL GLOSS FINISH TO CROWN PAINTS OR EQUAL AND APPROVED</u> | | | | |
| D | Plastered wall surfaces internally | 401 | SM | 230 | 92,230 |
| | Total Carried to collection | | | | 196,970 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|------|------------------|
| | <u>COLLECTION</u> | | | | |
| A | Brought forward from page 15 | | | | 2,075,600 |
| B | Brought forward from page 16 | | | | 196,970 |
| | Total Finishes carried to Summary | | | | 2,272,570 |

| ITEM | DESCRIPTION | KSHS |
|----------------|--|------------------|
| <u>SUMMARY</u> | | |
| A | SUBSTRUCTURES | 2,280,570 |
| B | REINFORCED CONCRETE FRAME | 345,480 |
| C | WALLING | 971,550 |
| D | ROOFING | 1,906,300 |
| E | WINDOWS | 1,253,700 |
| F | DOORS | 414,150 |
| G | FINISHES | 2,272,570 |
| | | |
| | TOTAL BUILDING WORKS CARRIED TO GRAND SUMMARY | 9,444,320 |

PROPOSED ELECTRICAL WORKS

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|--|---|-------------|-------------------|-------------------|--------------------|
| | Supply,install,test and commission the following :- | | | | |
| | <u>LIGHTING POINTS.</u> | | | | |
| 1.01 | Lighting points wired with 3x1.5mm ² single core PVCI copper cables drawn in concealed 20mm dia. HG PVCI conduit for: a) one way swithing. b) two way switching. | 6 25 | NO. NO. | 2000 2200 | 12000 55000 |
| | <u>SWITCHES.</u> | | | | |
| 1.02 | 10 Amps, moulded plate flush mounted switches with screw covers,as CLIPSAL, BG or approved equivalent being :- a) 1 gang 1 way. b) 1 gang 2 way. c) 3 gang 1 way | 2 6 2 | NO. NO. NO. | 300 350 400 | 600 2100 800 |
| | <u>LIGHTING FITTINGS.</u> | | | | |
| 1.03 | Lighting fittings complete with lamps and all other necessary accessories. a) 1200mm, 1x 36 Watts batten fluoresent fitting as ,THORN or philips or approved equivalent. | 5 | NO. | 2000 | 10000 |
| 1.04 | 1500mm 1x58W with angle reflector. | 5 | NO. | 3500 | 17500 |
| 1.05 | Supply and install 100W Tungstern Bulkhead fitting c/w 100W pin Type bulb. | 21 | NO. | 1800 | 37800 |
| | <u>POWER POINTS.</u> | | | | |
| 1.06 | 13 Amps. Power points wired ring comprising of 3x2.5 mm sq. single core PVCI copper cables drawn in concealed 25mm HG PVC conduits. | 8 | NO. | 3500 | 28000 |
| 1.07 | 13 Amps. Moulded plate switched socket outlet with neon indicator as BG,CLIPSAL or approved equivalent being :- a) Single. a) Double.. | 3 5 | NO. NO. | 600 800 | 1800 4000 |
| | <u>SUB-MAIN CIRCUIT</u> | | | | |
| 1.08 | 2x16 mm ² + 1x6mm ² SC PVC copper cables drawn in 38mm dia. Cable from Main Cable Loop in Box to Consumer Unit. | 25 | LM. | 1800 | 45000 |
| Sub total carried forward to collection page. | | | | | 214600 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|------|---|-----|------|-------|---------------|
| | Supply,install,test and commission the following :- <u>DISTRIBUTION BOARD.</u> | | | | |
| 2.01 | 6 ways, 100 Amps, SPN Flush mounted Consumer Unit complete with 100 Amps. Integral SPN switch with a hinged cover as Crabtree or approved equivalent. | 1 | NO. | 10000 | 10000 |
| 2.02 | Mcbs for item 2.01. | | | | |
| | a) 10 Amps, SP. | 4 | NO. | 900 | 3600 |
| | b) 30 Amps, SP. | 1 | NO. | 900 | 900 |
| | c) blanking plates. | 1 | NO. | 200 | 200 |
| 2.03 | Supply and install Cable loop in Box using gauge 14 sheet.Double cut out | 1 | NO. | 5000 | 5000 |
| 2.04 | Supply and install Double cut out | 1 | NO. | 1200 | 1200 |
| 2.05 | Supply and install Single cut out | 1 | NO. | 1200 | 1200 |
| 2.06 | Electrical earthing comprising 6.0mmsq single core copper cables drawn inside HG conduits with 1500mm by 15mm diameter copper electrode c/w clamp and pre-cast concrete pit with cover. | 1 | NO. | 10000 | 10000 |
| 2.07 | 2x10.0mm2 Underground cable swa sheathed and armoured. (East African Cables).Real measurements to be done on site. | 40 | LM. | 1200 | 48000 |
| 2.08 | Trenching, tilling and back filling. | 45 | LM. | 400 | 18000 |
| 2.09 | Cable glands for item 2,07 above. | 2 | NO. | 500 | 1000 |
| | Sub total carried forwad to collection page. | | | | 99100 |
| | <u>COLLECTION PAGE.</u> | | | | |
| 2.10 | Collection from Page E1 | | | | 214600 |
| 2.11 | Collection from above. | | | | 99100 |
| | Totals Carried to Grand Summary Page. | | | | 313700 |

| ITEM | DESCRIPTION | QTY | UNIT | RATE | KSHS |
|------|--|-----|------|------|----------------|
| A | <p style="text-align: center;"><u>PROVISIONAL SUMS</u></p> <p>Allow a provisional Sum of Kenya Shillings One hundred thousand (Kshs. 100,000) only for Contigency.</p> | | | | 100,000 |
| | TOTAL FOR P.C AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY | | | | 100,000 |

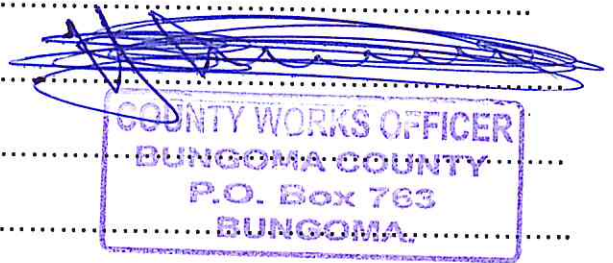
GRAND SUMMARY

| ITEM | DESCRIPTION | PAGE NO. | For Official Use only | For Tenderer's use only |
|---|------------------------------------|----------|-----------------------|-------------------------|
| A | Bill No. 1 Preliminaries | | | 100,000 |
| B | Bill No. 2 Builder's Works | Pg 18 | | 9,444,320 |
| C | Bill No. 3 Electrical Works | E/2 | | 313,700 |
| D | Bill No. 4 Pc and provisional Sums | PC/1 | | 100,000 |
| GRAND TOTAL CARRIED TO FORM OF TENDER (VAT INCLUSIVE):KSHS | | | | 9,958,020 |

Amount in words: Kenya Shillings

Tenderer's Signature

Address



Date

Witness Signature

Address

Date