



REPUBLIC OF KENYA
MINISTRY OF TRANSPORT AND INFRASTRUCTURE
DEPARTMENT OF PUBLIC WORKS
BILL OF QUANTITIES
FOR
PROPOSED RENOVATION WORKS IZAVA NORTH
CHIEFS OFFICE

IN

SABATIA SUB-COUNTY

VIHIGA COUNTY

ISSUED BY:
COUNTY WORKS OFFICE
DEPARTMENT OF PUBLIC WORKS
P. O. BOX 1460-50300
MARAGOLI.

AUGUST 2021

**BILL NO1
MEASURED WORKS**

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|---|--|----------|------|------|------------------|
| PROPOSED RENOVATION OF IZAVA NORTH | | | | | |
| DEMOLITION | | | | | |
| A | carefully remove the existing worn out roof covering and structures aprox 202sm | item | | item | 30000 |
| B | Demolish existing wall upto ring beam level and cart away the debris as directed | item | | item | 40000 |
| <i>Carried to collection</i> | | | | | 70,000.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|------|------------|
| | In-situ concrete work FOR PAVING SLAB Mass concrete (1:4:8/38-38mm aggregate) | | | | |
| | Vibrated reinforced concrete (1:2:4/20-20mm) aggregate as described in: | | | | |
| A | 100mm Thick floor slab | 105 | SM | 1000 | 105,000.00 |
| | Sawn formwork as described to: | | | | |
| B | Edges of floor slab 75-150mm high | 120 | LM | 250 | 30,000.00 |
| <i>Carried to collection</i> | | | | | 135,000.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|---|----------|------|------|-----------|
| Plinth area finishes | | | | | |
| A | 12mm Thick cement and sand (1:3) wood float render to plinth area | 34 | SM | 350 | 11,900.00 |
| B | Prepare and apply three coats black bitumastic paint to rendered area | 34 | SM | 300 | 10,200.00 |
| <i>Carried to collection</i> | | | | | 22,100.00 |

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|--|------|--|-------------------|
| COLLECTION | | | |
| Brought forward from page | PG 1 | | 70,000.00 |
| Brought forward from page | PG 2 | | 135,000.00 |
| Brought down from page | PG 3 | | 22,100.00 |
| TOTAL FOR ELEMENT NO. 1 DEMOLITION AND PAVING | | | 227,100.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|-------|-------------------|
| | ELEMENT NO.2 | | | | |
| | R.C. FRAME & STEEL FRAMES | | | | |
| | Vibrated reinforced concrete (1: 2:4/20 - 20mm aggregate) as described in:- | | | | |
| A. | Ringbeam/beams | 4 | CM | 13000 | 52,000.00 |
| | Steel reinforcement | | | | |
| | Supply and fix steel bar/rod reinforcement including bending hooks tyingwire cutting spacer blocks and supporting all in position | | | | |
| | High tensile square twisted bars to B.S. 4461 as described in ; | | | | |
| B. | 12 mm diameter | 358 | KG. | 150 | 53,700.00 |
| C. | 8 mm diameter | 125 | KG. | 150 | 18,750.00 |
| | Sawn formwork as described to: | | | | |
| D. | Sides and soffites of beams | 55 | SM | 500 | 27,500.00 |
| | Metal Tubes (in Verandah) | | | | |
| E | 75 mm diameter x 3400mm long X 4mm thick mild steel tubes welded to plates(m.s.) | 4 | NO | 3500 | 14,000.00 |
| F | 150 x 150 x 6mm Thick mild steel plate welded to end of m's tubes and angles | 4 | NO | 350 | 1,400.00 |
| Carried to collection | | | | | 167,350.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|---|----------|------|------|----------|
| A. | 100 x 50 x 6mm Thick mild steel angles welded to plates | 4 | NO | 350 | 1,400.00 |
| | Painting | | | | |
| B. | Prepare and apply one coat of red oxide primer before transporting to site and another on site to general surfaces of steel columns surfaces including preparing and applying two coats gloss oil paint | 18 | SM | 300 | 5,400.00 |
| <i>Carried to collection</i> | | | | | 6,800.00 |

| COLLECTION | | | |
|--------------------------------|------|--|-------------------|
| Brought forward from page | PG 4 | | 167,350.00 |
| Brought down from page | PG 5 | | 6,800.00 |
| TOTAL FOR ELEMENT NO. 2 | | | 174,150.00 |
| R.C. FRAME/STEEL FRAME | | | |
| CARRIED TO SUMMARY | | | |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|--|--|----------|------|------|------------|
| ELEMENT NO. 3 | | | | | |
| EXTERNAL WALLING | | | | | |
| Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:- | | | | | |
| A. | 200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course | 158 | SM | 950 | 150,100.00 |
| B | Extra over walling for eaves closing | 38 | LM | 300 | 11,400.00 |
| <i>Carried to collection below</i> | | | | | 161,500.00 |

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|---|------------------------|------|-------|------------|
| COLLECTION | | | | |
| | Brought down from page | PG 6 | Above | 161,500.00 |
| TOTAL FOR ELEMENT NO.3 EXTERNAL WALLING AND INTERNAL WALL CARRIED TO SUMMARY | | | | 161,500.00 |
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| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|------|-------------------|
| | ELEMENT NO. 5 | | | | |
| | ROOFING | | | | |
| | Construction | | | | |
| | All timber to be sawn cypress of G.S. grade seasoned to an equilibrium moisture content of between 9% and 15% and to the requirement of K.S. 02 771 of 1991 treated with approved wood preservative | | | | |
| A. | 100 x 50mm Wall plate on and including 10mm cement and sand (1:4) mortar bed secured to reinforced concrete ringbeam(m.s.) by black mild steel anchor bolts (m.s.) | 40 | LM | 250 | 10,000.00 |
| | The following in 16 No. Nailed timber trusses spanning clear 5200mm (average) height 1350mm including hoisting and placing 3000mm above floor slab level | | | | |
| B. | 150 x 50mm Trussed rafter | 224 | LM | 250 | 56,000.00 |
| C. | 150 x 50mm Tie beam | 164 | LM | 250 | 41,000.00 |
| D. | 100 x 50mm Strut/tie | 310 | LM | 250 | 77,500.00 |
| Carried to collection | | | | | 184,500.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|---|----------|------|------|-------------------|
| | Independent members | | | | |
| A | 75x 50mm burlins | 250 | LM | 150 | 37,500.00 |
| | Covering | | | | |
| B | Gauge 30"GCI" Pre-painted sheet roofing fixed on purlins(m.s.) | 212 | SM | 800 | 169,600.00 |
| C | Gauge 30 Ridge capping to match covering | 20 | LM | 550 | 11,000.00 |
| | Wrot cypress | | | | |
| D | 25 x 225mm Fascia board fixed to end of rafters(m.s) | 64 | LM | 300 | 19,200.00 |
| | Painting | | | | |
| | Prime only back of wood before fixing | | | | |
| E | Surfaces 100-200mm girth | 64 | LM | 100 | 6,400.00 |
| | Knot prime stop and apply one under coat and two finishing coats gloss oil paint to; | | | | |
| F | General surfaces of wood 200 - 300mm girth | 64 | LM | 100 | 6,400.00 |
| Carried to collection | | | | | 250,100.00 |

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|--|------|-------------------|
| COLLECTION | | |
| Brought forward from page | PG 8 | 184,500.00 |
| Brought forward from page | PG 9 | 250,100.00 |
| TOTAL FOR ELEMENT NO.5 ROOFING AND RAINWATER WATER GOODS CARRIED TO SUMMARY | | 434,600.00 |
| | | |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|------|------------------|
| | ELEMENT NO. 6 | | | | |
| | WINDOWS | | | | |
| | Supply and fix the following purpose made welded mild steel casement windows comprising of one inch z section framing, T sections | | | | |
| A. | Window overall size 1500 x 1200mm high bw/136 | 7 | NO | 6000 | 42,000.00 |
| | Glazing | | | | |
| | 5mm thick clear sheet glass in metal putty in;- | | | | |
| C. | Panes exceeding 0.1 sq m but not exceeding 1.5 | 18 | SM | 1600 | 28,800.00 |
| | Window Cill | | | | |
| D. | Ex. 250 x 75mm Thick precast concrete window cill weathered and throated, reinforced as necessary , finished fair faced including hoisting and bedding in cement and sand (1:3) mortar | 42 | LM | 500 | 21,000.00 |
| <i>Carried to collection</i> | | | | | 91,800.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|------|------------------|
| | Painting | | | | |
| | Prepare and apply one under coat and two finishing gloss oil paint to ; | | | | |
| A. | General surfaces of metal (windows) internally | 18 | SM | 300 | 5,400.00 |
| B | General surfaces of metal (windows) externally | 18 | SM | 300 | 5,400.00 |
| <i>Carried to collection</i> | | | | | 10,800.00 |

| | | | | |
|--|---------------------------|--------------------|-------|-------------------|
| | COLLECTION | | | |
| | Brought forward from page | PG 11 | | 91,800.00 |
| | Brought Down from page | PG 12 <i>fr</i> | Above | 10,800.00 |
| TOTAL FOR ELEMENT NO.6 WINDOWS CARRIED TO SUMMARY | | | | 102,600.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|-------|------------------|
| | ELEMENT NO.7 | | | | |
| | DOORS | | | | |
| | Metal doors | | | | |
| A. | 1200mm wide x 2400mm high overall mild steel panelled door in two equal leaves each size 625mm x 2400mm high comprising of 75 x 50 x 6mm thick mild steel framing all round, 1.6mm thick mild steel sheet welded to 75 x 50 x 6 mm thick angle bracings top and middle rails complete with handles purpose made hinges and all necessary accessories including priming with one coat of red oxide primer before delivery to site and all welds ground smooth | 1 | NO | 20000 | 20,000.00 |
| B. | Ditto 900x2400 | 1 | NO | 15000 | 15,000.00 |
| | Painting | | | | |
| C | General surfaces of Metal | 12 | SM | 300 | 3,600.00 |
| D | 900x2100mm solid flush complete with frame and locking devices | 5 | NO | 10000 | 50,000.00 |
| Carried to collection | | | | | 88,600.00 |

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|--------------------------------------|--|-------|-------|------------------|
| COLLECTION | | | | |
| Brought down from page | | PG 13 | Above | 52,400.00 |
| TOTAL FOR ELEMENT NO. 7 DOORS | | | | 52,400.00 |
| CARRIED TO SUMMARY | | | | |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|---|----------|------|------|-------------------|
| | ELEMENT NO. 8 | | | | |
| | FINISHES | | | | |
| | Floors and Skirtings | | | | |
| | Insitu cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete | | | | |
| A. | 20mm Thick backing finished with a wood float to receive Ceramic floor tiles (m.s.) | 158 | SM | 400 | 63,200.00 |
| B | 300X300X4mm ceramic floor tiles complete with matching grout | 158 | SM | 2000 | 316,000.00 |
| C | 20X100mm thick skirting | 82 | LM | 350 | 28,700.00 |
| | CEILING FINISHES | | | | |
| D | 12mm thick celotex ceiling nailed to brandering | 158 | SM | 700 | 110,600.00 |
| E | 50X50MM brandering | 512 | LM | 120 | 61440 |
| F | 100X25MM cornices | 212 | LM | 220 | 46640 |
| | External walls | | | | |
| | 12mm thick cement, sand render, with wood float finish, as described to:- | | | | |
| G | Walls/Concrete surfaces of beams | 128 | SM | 300 | 38,400.00 |
| | Painting and decorating | | | | |
| | Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :- | | | | |
| H | Rendered concrete surfaces | 128 | SM | 300 | 38,400.00 |
| Carried to collection | | | | | 703,380.00 |

| ITEM | DESCRIPTION | QUANTITY | UNIT | RATE | KSHS |
|------------------------------|--|----------|------|------|-------------------|
| | INTERNAL WALL FINISHES | | | | |
| | Internal walls | | | | |
| | 12mm thick cement, sand and lime plaster, with steel trowelled finish, as described to:- | | | | |
| A. | Walls | 234 | SM | 300 | 70,200.00 |
| | Painting and decorating | | | | |
| | Prepare and apply one undercoats and two finishing coats plastic emulsion paint on :- | | | | |
| B. | Plastered walls and beams | 234 | SM | 300 | 70,200.00 |
| <i>Carried to collection</i> | | | | | 140,400.00 |

| COLLECTION | | | |
|---|-------|--|-------------------|
| Brought forward from page | PG 17 | | 703,380.00 |
| Brought down from page | PG 18 | | 140,400.00 |
| TOTAL FOR ELEMENT NO. 8 FINISHES | | | 843,780.00 |
| CARRIED TO SUMMARY | | | |

| SUMMARY | | | |
|---|---------------------------|-------|--------------|
| PROPOSED CHIEFS OFFICE AT IZAVA NORTH | | | |
| NO. | ELEMENT | | |
| 1 | DEMOLITION AND PAVIG SLAB | PG 3 | 227,100.00 |
| 2 | R.C. FRAME | PG 5 | 174,150.00 |
| 3 | EXTERNAL WALLING | PG 6 | 161,500.00 |
| 5 | ROOFING | PG 10 | 434,600.00 |
| 6 | WINDOWS | PG 12 | 102,600.00 |
| 7 | DOORS | PG 13 | 52,400.00 |
| 8 | FINISHES | PG 15 | 843,780.00 |
| PROPOSED DOERMITORY CARRIED TO GRAND SUMMARY | | | 1,996,130.00 |

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IZAVA NORTH DEVELOPMENT COMMITTEE,
P.O BOX
MARAGOLI,
16th August, 2021

NOTIFICATION OF AWARD

THE DIRECTOR,
FREEMAK LIMITED,
P.O BOX 520,
MARAGOLI.

**REF: RENOVATION OF IZAVA NORTH LOCATION BLOCK: INCLUDING 3 OFFICES,
BOARDROOM, DOOR/ WINDOWS REPLACEMENT**

This is to notify you that the above works have been awarded to you subject ^{to} acceptance and fulfillment of the below conditions:-

1. Please acknowledge receipt of this letter of notification signifying your acceptance.
2. The contract shall be signed by both parties before commencement of execution of the service.
3. You shall execute full works at your quoted price of **Kshs. 935,320.00** (inclusive of taxes).
4. You may contact the Development Chairman on the subject matter of the letter of Notification of award.



Ezan Sande,

Chairman – Izava North Development Committee.

IZAVA NORTH LOCATION
DEVELOPMENT COMMITTEE
P.O. Box 222, MARAGOLI
DATE.....