

NGORANO PRIMARY SCHOOL

| Item | Description | Unit | Qty | Rate | Amount |
|-----------------------|--|------|-----|------|--------|
| | <u>CONSTRUCTION OF MULTI-PURPOSE HALL</u> <u>ELEMENT NO. 1: SUBSTRUCTURE</u> <u>(PROVISIONAL)</u> <u>SITE CLEARANCE</u> | | | | |
| A | Clear site off all vegetation including small trees, scrubs and bushes | sm | 110 | | |
| | <u>EARTHWORKS</u> | | | | |
| B | Excavate to remove top vegetable soil and heap as directed on site; average depth of 200mm | sm | 110 | | |
| C | Excavate foundation trenches commencing from reduced level: not exceeding 1.5 m deep | cm | 54 | | |
| E | Return, fill and ram selected soil in foundations | cm | 36 | | |
| F | Remove surplus spoil from site to a location approved by the owner | cm | 18 | | |
| G | Extra over all excavations and earthworks for breaking up rock at any point | cm | 4 | | |
| | <u>CONCRETE</u> | | | | |
| | <u>Plain concrete class 15/40 :in</u> | | | | |
| H | 50 mm Thick blinding to strip foundations | cm | 7 | | |
| Carried to Collection | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|-----------------------|--|------|-------|------|--------|
| | <u>Reinforced concrete class 25 vibrated: in.</u> | | | | |
| A | Strip foundations | cm | 9 | | |
| B | 150mm thick floor bed | cm | 24 | | |
| C | Columns | cm | 2 | | |
| | <u>Reinforcement</u> | | | | |
| | <u>High tensile, deformed bar reinforcement to BS 4461</u> | | | | |
| D | 12 mm Bars | kg | 299 | | |
| E | 8 mm Bars | kg | 204.6 | | |
| | <u>Mesh Reinforcement</u> | | | | |
| G | Mesh reinforcement No. A142 weighing 2.22 kg per square metre: in floor slab: including all necessary supports: allow for laps and bonding to existing slabs | sm | 108 | | |
| Carried to Collection | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|-----------------------|--|------|-----|------|--------|
| B | <p><u>Sawn formwork: to</u> Edges of surface bed: over 75 mm but not exceeding 150mm girth</p> | lm | 68 | | |
| C | <p><u>Walls</u> 200 mm Thick natural local stone foundation walls: bedded and jointed in cement and sand (1:4) mortar</p> | sm | 93 | | |
| D | <p><u>Hardcore</u> Compacting 300mm thick Hardcore of approved inert material.</p> | cm | 50 | | |
| Carried to Collection | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|--|--|------|-----|------|--------|
| A | <p><u>Anti-termite Treatment</u></p> <p>Dragnet FT' anti-termite chemical treatment: applied by Insecta ltd. or other approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee</p> | sm | 108 | | |
| | <p><u>Blinding</u></p> <p>50 mm Thick approved quality quarry dust blinding to surfaces of hardcore</p> | sm | 108 | | |
| | <p><u>DPM</u></p> <p>Gauge 1000 polythene damp proof membrane</p> | sm | 108 | | |
| Carried to Collection | | | | | |
| | <p><u>Collection</u></p> <p>From page 1</p> <p>From page 2</p> <p>From page 3</p> <p>From page 4</p> | | | | |
| <p align="center">TOTAL FOR SUBSTRUCTURE CARRIED TO BUILDERS WORK SUMMARY</p> | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|--|---|-------------|------------|-------------|---------------|
| | <u>ELEMENT NO. 2: SUPERSTRUCTURE</u> | | | | |
| | <u>Machine cut stones jointed and pointed in cement sand (1:3) mortar: flush vertical and horizontal joints :in</u> | | | | |
| A | 200 mm Thick walls | sm | 165 | | |
| | <u>In situ reinforced concrete class 25: vibrated: in</u> | | | | |
| B | Ring beams | cm | 4 | | |
| C | Columns | cm | 4 | | |
| | Steel reinforcement | | | | |
| | <u>High tensile, deformed bar reinforcement to BS 4461</u> | | | | |
| D | 12 mm bars | kg | 500 | | |
| E | 8 mm bars | kg | 264 | | |
| | <u>Sawn formwork: to</u> | | | | |
| G | Sides and soffits: beams | sm | 50 | | |
| | sides;columns | sm | 40 | | |
| TOTAL FOR SUPERSTRUCTURE CARRIED TO BUILDERS WORK | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|------|--|------|-----|------|--------|
| | <u>ROOFING</u> | | | | |
| | <u>Galvanized corrugated Sheet roofing; 30 gauge;Pre-painted</u> | | | | |
| A | Roof covering not exceeding 30 ⁰ from horizontal;fixing to timber structure (m/s) with roofing nails and neoprene washers | sm | 324 | | |
| B | Ridge / cap to match | lm | 28 | | |
| | <u>CARPENTRY</u> | | | | |
| | <u>The following in . sawn treated cypress timber;</u> | | | | |
| C | 75x 50mm rafters | lm | 420 | | |
| D | 75*50mm struts and ties | lm | 420 | | |
| E | 75 x 50mm Tie beam | lm | 220 | | |
| F | 75 x 50mm kingpost | lm | 80 | | |
| G | 100 x 50mm wall plate rag-bolted at 1200mm centres with and including 12mm diameter bolts | lm | 75 | | |
| H | 50 x 50mm purlins | lm | 450 | | |
| | <u>The following in wrot cypress</u> | | | | |
| G | 200 x 25mm thick fascia/barge boards | lm | 90 | | |
| | <u>Verrandah steel support</u> | | | | |
| | <u>blackpipe Class A</u> | | | | |
| H | 50mm dia * 3m long | no | 30 | | |
| | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|------|--|------|-----|------|--------|
| A | <u>ELEMENT NO. 5: DOORS</u> | | | | |
| | <p data-bbox="264 304 397 338"><u>Steel doors</u></p> <p data-bbox="264 380 846 447"><u>Steel door in 75mm thick RHS frames and with 6mm sheet metal cladding complete with locks</u></p> <p data-bbox="264 489 592 522">900*2400mm single leaf door</p> <p data-bbox="264 527 570 560">1200*2400mm double door</p> <p data-bbox="264 569 878 669"><u>Prepare surfaces and apply one coat (undercoat) and two coats polyurethane clear lacquer paint as "Crown Paints" or other equal approved: on steel surfaces</u></p> | no | 4 | | |
| B | Door: general surfaces | no | 4 | | |
| | carried to collection | sm | 5 | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|---|--|------|-----|------|--------|
| A | <p><u>ELEMENT NO.6: WINDOWS</u></p> <p><u>Approved pre-cast concrete cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement</u></p> <p>150 x 25 mm Thick cill; once weathered and throated</p> <p><u>Windows</u></p> <p><u>Supply, assemble and fix the following purpose made steel casement windows as " BOOTH" standards incorporating complete with fixing lugs on, hooded mosquito proofed permanent vent, pin type hinges including all necessary cutting, 4mm thick clear sheet glass(m.s) and glazing ironmongery (m.s) from "General steel fabricators". or other equal and approved manufacturers. Allow for painting with undercoat lead oxide.</u></p> | lm | 24 | | |
| B | <p>Steel casement Window size 2000 x 1500mm high</p> <p><u>3mm Thick clear sheet glass and glazing to steel casement windows with and including linseed putty: in panes</u></p> | no | 14 | | |
| E | <p>Panes: not exceeding 0.50 sm</p> | sm | 42 | | |
| <i>Carried to collection</i> | | | | | |
| <u>Collection</u> | | | | | |
| From page 1 | | | | | |
| From above | | | | | |
| TOTAL FOR WINDOWS & DOORS CARRIED TO BUILDERS WORK SUMMARY | | | | | |

NGORANO PRIMARY SCHOOL

| Item | Description | Unit | Qty | Rate | Amount |
|------|--|------|-----|------|--------|
| | <u>ELEMENT NO. 7: FINISHES</u> | | | | |
| | <u>Floor finishes</u> | | | | |
| | <u>Cement and sand (1:4) screed: to concrete floor in</u> | | | | |
| A | 32 mm thick steel trowelled screed | sm | 324 | | |
| B | 6mm thick non -slip ceramic tiles size 300 by 300mm laid in approved colour fixed with and including propriety adhehesive and pointed on completion with white cement or other and approved jointing compound. | sm | 324 | | |
| C | Ditto but to 100mm high skirting | lm | 62 | | |
| | <u>Internal wall Finishes</u> | | | | |
| | <u>Plaster: 9 mm first coat of cement/lime putty/sand (1:2:9): 3 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled: on masonry or concrete: to</u> | | | | |
| D | Walls: internally | sm | 165 | | |
| | <u>Prepare surfaces and apply undercoat and two finishing coats silk vinyl emulsion paint as " Crown Paints" or other equal approved on plastered masonry or concrete surfaces: to</u> | | | | |
| E | Walls: internally | sm | 165 | | |
| | Carried to Collection | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|--|--|------|-----|------|--------|
| A | <u>External wall finishes</u> <u>Cement and sand (1:4) render: on concrete or masonry: steel trowel finished: to</u> 15mm thick: to walls and concrete: externally to receive paint <u>Prepare surfaces and apply undercoat and two finishing coats first grade emulsion paint as " Crown Paints" or other equal approved on plastered masonry or concrete surfaces: to</u> | sm | 150 | | |
| B | Walls and concrete: externally | sm | 150 | | |
| Carried to Collection | | | | | |
| | <u>Collection</u> From page 1 From page above | | | | |
| TOTAL FOR FINISHES CARRIED TO BUILDERS WORK SUMMARY | | | | | |
| SUMMARY | | | | | |
| 1 | SUBSTRUCTURES | | | | |
| 2 | WALLING | | | | |
| 3 | ROOFING | | | | |
| 4 | DOORS | | | | |
| 5 | FINISHES | | | | |
| | | | | | |

NGORANO PRIMARY SCHOOL

| Item | Description | Unit | Qty | Rate | Amount |
|---|---|------|-----|------|--------|
| <u>PROVISIONAL SUMS</u> | | | | | |
| <u>The following provisional items shall be measured on completion of the works and priced in accordance with rates contained in these bills of quantities or pro-rata thereto or deducted in whole if not required.</u> | | | | | |
| A | Provide Kenya Shillings Seventy five Thousand (Kshs. 75,000.00) only for contingencies | ITEM | 1 | | |
| B | Provide Kenya Shillings One Hundred Thousand (Kshs. 100,000.00) only for electrification | ITEM | 1 | | |
| C | Provide Kenya Shillings Seventy Five Thousand (Kshs. 75,000.00) only for PMC allowances | ITEM | 1 | | |
| D | Provide Kenya Shillings Fifteen Thousand (Kshs. 15,000.00) only for Public works facilitation | ITEM | 1 | | |
| E | Provide Kenya Shillings Fifteen Thousand (Kshs. 15,000.00) only for Signboard | ITEM | 1 | | |
| F | Provide Kenya Shillings Ten Thousand (Kshs. 10,000.00) only for branding | ITEM | 1 | | |
| TOTAL FOR PROVISIONAL SUMS CARRIED TO GRAND SUMMARY | | | | | |

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| Item | Description | Unit | Qty | Rate | Amount |
|----------|---|------|-----|------|--------|
| | <u>GRAND SUMMARY</u> | | | | |
| A | CONSTRUCTION OF MULTI-PURPOSE HALL | | | | |
| B | PROVISIONAL SUMS | | | | |
| | CONTRACT SUM | | | | |
| | AMOUNT IN WORDS: (KSHS) | | | | |
| | Contractor's Name_____ | | | | |
| | Address_____ | | | | |
| | Signature_____ | | | | |
| | Date_____ | | | | |
| | Witnesses's Name_____ | | | | |
| | Address_____ | | | | |
| | Signature_____ | | | | |
| | Date_____ | | | | |
| | GS/1 | | | | |