



REPUBLIC OF KENYA

**MINISTRY OF TRANSPORT, INFRASTRUCTURE,
HOUSING AND URBAN DEVELOPMENT**

(STATE DEPARTMENT OF PUBLIC WORKS)

**PROPOSED FINISHES OF A CLASSROOMS BLOCK AT
TING'ANG'A MODEL.**

BILL OF QUANTITIES.

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JULY. 2021.

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|-----|------|--------|
| | <p><u>PROPOSE FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.</u></p> <p><u>ELEMENT NO 1- DOORS</u></p> <p><u>steel doors</u> <u>Supply and fix the following purpose made 30 by 4 mm thick ' Z ' and ' T ' section steel casement doors; 16 fixed lights size 300 by 300 mild steel plates, 3mm thick 50mm PV with 2 layers of land 5mm mosquito gauze complete with approved steel locks and fixing to masonry.</u></p> | | | | |
| A | <p>Door size 900 by 2400 mm</p> <p><u>Glazing</u></p> | NO | 6 | | |
| B | <p>6mm thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty.</p> <p><u>Painting and Decorations</u></p> <p><u>Prepare and apply three coats oil paint full gloss to crown solo or others equal and approved to;</u></p> | SM | 8 | | |
| C | <p>General surfaces of metal door both internal and externally</p> | SM | 52 | | |
| | TOTAL CARRIED TO SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-----|------|--------|
| | <p><u>PROPOSE FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.</u></p> <p><u>ELEMENT NO. 2- WINDOWS</u></p> <p><u>MILD STEEL WINDOW FRAMES</u></p> <p><i>Supply and fix the following purpose made mild steel casement small panes (maximum size 200 x 300 mm), with standard "Z" section framing including all coupling mullions etc and complete with polished brass handles, peg stays and other ironmongery; factory primed with red oxide primer including cutting and pinning fixing lugs to concrete or masonry work jambs; bedding in cement and sand (1:3) mortar, pointing all round frames in mastic, greasing, oiling and adjusting opening lights on completion all in accordance with the Architect's window schedule</i></p> | | | | |
| A | Window size 1800 x 1000mm | NO | 9 | | |
| B | Window size 1800 x 1300mm | NO | 16 | | |
| | <u>Window cill</u> | | | | |
| C | 250 x 50mm thick machine cut stone window cill throated and bedded in cement and sand (1:3) mortar to racked external | LM | 48 | | |
| | <u>Glazing</u> | | | | |
| | <u>4mm Clear sheet glass and glazing to metal windows including fixing with approved putty</u> | | | | |
| D | In panes not exceeding 0.10 square metres | SM | 50 | | |
| | <u>Painting and Decorations</u> | | | | |
| | <u>Prepare and apply three coats oil paint full gloss to crown solo or others equal and approved to;</u> | | | | |
| E | General surfaces of metal Windows | SM | 100 | | |
| | TOTAL CARRIED TO SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|------|------|--------|
| | <u>ELEMENT NO. 5- FINISHES</u> | | | | |
| | <u>Keying</u> | | | | |
| A | Key Pointing with cement and sand screed(1:3) to achieve recessed horizontal joints and vertical joints. | SM | 720 | | |
| | <u>Internal wall finishes</u> | | | | |
| | <u>Plaster work</u> | | | | |
| | <u>12mm (minimum) two-coat lime plaster, with steel trowelled finish including anticracking mesh where necessary to joints as described to:-</u> | | | | |
| B | Stone walls, | SM | 1280 | | |
| | <u>Painting and decorating</u> | | | | |
| | <u>Prepare and apply three coats 1st quality internal quality emulsion paint from "crown paints or other equal and approved:</u> | | | | |
| C | Plastered walls and beams | SM | 1280 | | |
| | <u>INTERNAL FLOOR FINISHES</u> | | | | |
| | <u>Cement and sand (1:3) screeds, backings, beds etc</u> | | | | |
| D | 20mm thick screed with a wooden float finish. | SM | 1130 | | |
| | <u>Ceramic tiles</u> | | | | |
| | <u>Supply and fix approved coloured non-slip ceramic floor tiles including bedding, bonding, jointing with cement grout pointing in stained cement laying to falls where necessary</u> | | | | |
| E | Ceramic floor tiles | SM | 1130 | | |
| F | 100 high x 25mm thick ceramic skirting | LM | 692 | | |
| | TOTAL CARRIED TO COLLECTION | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-----|------|--------|
| | <u>Ceiling finishes</u> | | | | |
| | <i>Plaster work</i> <i>12mm (minimum) two-coat lime plaster, with steel trowelled finish including anticracking mesh where necessary to joints as described to:-</i> | | | | |
| G | Soffits of the suspended slab | SM | 437 | | |
| | <u>Painting and decorating</u> | | | | |
| | <i>Prepare and apply three coats 1st quality exterior quality emulsion paint from "crown paints or other equal and approved:</i> | | | | |
| H | Plastered walls and beams | SM | 437 | | |
| | <u>SURFACE PREPARATION</u> | | | | |
| F | Hack existing floor to receive floor screed and ceramic tiles | SM | 437 | | |
| | <u>Balustrading and Railing</u> | | | | |
| | <i>Balustrading</i> 900mm high horizontal composite units 75mm dia x3mm thick chrome plated CHS handrail,4no.25mm diameter chrome plated middle or bottom rails:30mm diameter mild chrome plated circular hollow steel section main balusters 975mm high overall at 600mm centres with one end welded to handrail,other rugged as appropriate and built into and including 75mm deep mortice in concrete;including for all necessary cutting,welding,grinding and end stops etc | LM | 72 | | |
| | TOTAL CARRIED TO COLLECTION | | | | |
| | <u>COLLECTION</u> | | | | |
| | Total carried from page 3 | | | | |
| | Total carried from above | | | | |
| | TOTAL CARRIED TO SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|-----|------|--------|
| | <u>STAIR CASE FINISHES</u> | | | | |
| | <i>In situ cement and sand (1:3) screeded beds, (15mm thick), on</i> | | | | |
| A | Intermediate Landings | SM | 6 | | |
| B | 300mm wide treads; thrice grooved for sole grip | LM | 20 | | |
| C | 150mm high risers | LM | 20 | | |
| D | 40mm thick x 100mm high moulded skirting coved at junction to floors, with rounded top, including labours to stair profiles | LM | 18 | | |
| | <u>Ceramic tiles</u> | | | | |
| | <u>Supply and fix approved coloured non-slip ceramic floor tiles including bedding, bonding, jointing with cement grout pointing in stained cement laying to falls where necessary</u> | | | | |
| E | 300 x 300mm ceramic floor tiles on landing | SM | 12 | | |
| F | 100 high x 25mm thick ceramic skirting | LM | 58 | | |
| | <u>Balustrading and Railing</u> | | | | |
| | <u>Balustrading</u> | | | | |
| G | 900mm high horizontal composite units 75mm dia x3mm thick chrome plated CHS handrail,4no.25mm diameter chrome plated middle or bottom rails:30mm diameter mild chrome plated circular hollow steel section main balusters 975mm high overall at 600mm centres with one end welded to handrail,other rugged as appropriate and built into and including 75mm deep mortice in concrete;including for all necessary cutting,welding,grinding and end stops etc | LM | 22 | | |
| | TOTAL CARRIED TO SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|--------------------------------|------|-----|------|--------|
| | <u>SUMMARY</u> | | | | |
| | Total carried from page 1 | | | | |
| | Total carried from page 2 | | | | |
| | Total carried from page 4 | | | | |
| | Total carried from page 5 | | | | |
| | TOTAL CARRIED TO GRAND SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|------|---|------|-----|------|--------|
| | <p><u>ELEMENT NO. 3 - P.C SUMS</u></p> <p>A Allow a provisional sum of kenya Shillings Four hundred thousand (Kshs 200,000) only for contingencies.</p> <p>B Allow a provisional sum of kenya Shillings Two hundred and fifty thousand (Kshs 250,000) only for electrical work.</p> <p>C Allow a provisional sum of kenya Shillings One hundred and fifty thousand (Kshs 150,000) only for project management.</p> | ITEM | | | |
| | TOTAL CARRIED TO SUMMARY | | | | |

PROPOSED FINISHES OF CLASSROOMS AT TING'ANG'A MODEL PRIMARY SCHOOL.

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|------------------|------|-----|------|--------|
| | | | | | |
| <u>GRAND SUMMARY</u> | | | | | |
| 1 | BUILDER'S WORK | | | | |
| 2 | PROVISIONAL SUMS | | | | |
| TOTAL CARRIED TO TENDER DOCUMENT | | | | | |

AMOUNT IN WORDS.....

TENDERER'S NAME.....

ADDRESS.....

SIGNATURE.....

OFFICIAL STAMP.....

DATE.....

NAME OF WITNESS.....

SIGNATURE.....

DATE.....