

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|-------------------|
| | <u>GROUND FLOOR</u> <u>ELEMENT NO. 01</u> <u>Substructure</u> <u>Site clearence (All Provisional)</u> | | | | |
| A | Excavate vegetable soil avarage 150mm deep from ground level and dispose all the arising materials. | 532 | SM | 100 | 53,200.00 |
| B | Excavate from stripped level to reduce level depth not exceeding 1500mm | 160 | CM | 150 | 24,000.00 |
| C | Soil wheel and deposit on site and later spread as directed by the project manager | 160 | CM | 250 | 40,000.00 |
| | <u>Excavation to column bases</u> | | | | |
| D | Excavate for square columns bases depth not exceeding 1.5 metres and dispose off the excavated material as directed | 216 | CM | 350 | 75,600.00 |
| | <u>Excavation to foundation trenches</u> | | | | |
| E | Extra over excavation for excavation in rock irrespective of class and dispose the arising materials away from site at distance not less than 100 metres | 82 | CM | 1050 | 86,100.00 |
| F | Excavate for foundation strip from stripped, of depth not exceeding 1.5m and dispose off as directed by the P.M | 195 | CM | 250 | 48,750.00 |
| | <u>Form work to column bases</u> | | | | |
| G | Soft sawn celcured timber form work to column bases, girth exceeding 200mm but not exceeding 300mm | 134 | SM | 300 | 40,200.00 |
| H | Cut and uproot existing 1no. Small tree not exceeding 600mm thick girth and burn all arising,remove away from site as directed by pm. | | Item | | 10,000.00 |
| | Total carried to collection | | | | 377,850.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|---------------------|
| | <u>Form work to foundation strip</u> | | | | |
| A | Softwood sawn celcured timber formwork of girt exceeding 150mm but not exceeding 255mm | 88 | SM | 300 | 26,400.00 |
| | <u>Reinforcement to column bases (Provisional)</u> | | | | |
| B | 12mm high tensile steel bars including tying wires, spacer blocks and hooks to BS 4461 | 1034 | KG | 235 | 242,990.00 |
| | <u>Reinforcement to foundation strip (Provisional)</u> | | | | |
| C | 10mm diameter, ditto | 536 | KG | 235 | 125,960.00 |
| D | 8mm diameter, ditto | 258 | KG | 235 | 60,630.00 |
| | <u>Concrete works</u> | | | | |
| | <u>mass concrete class 10 - 15mm (1:3:6)aggregate in :-</u> | | | | |
| E | 50mm thick blinding under strip foundation | 130 | SM | 400 | 52,000.00 |
| F | Ditto in column bases | 95 | SM | 400 | 38,000.00 |
| | <u>Class 20/20mm aggregate, mix (1:2:4) Vibrated concrete to:-</u> | | | | |
| G | Column bases | 38 | CM | 13,000 | 494,000.00 |
| H | Foundation strip | 26 | CM | 13,000 | 338,000.00 |
| | <u>Formwork to stub column</u> | | | | |
| I | Softwood sawn celcured timber formwork to column | 110 | SM | 300 | 33,000.00 |
| | <u>Reinforcement to stub column (All provisional)</u> | | | | |
| J | 16mm diameter high tensile square steel bars to BS 4461 including tying wires, hooks and spacer blocks all in position. | 615 | KG | 235 | 144,525.00 |
| K | Ditto but 12mm bars for circular columns | 250 | KG | 235 | 58,750.00 |
| L | Ditto but 8mm bars links | 235 | KG | 235 | 55,225.00 |
| | <u>Class 20/20mm aggregate, mix (1:2:4) Vibrated concrete to:-</u> | | | | |
| M | Stub Column | 9 | CM | 13,000 | 117,000.00 |
| | <u>Expansion joint</u> | | | | |
| N | 25mm Thick flexell in expansion joint | 4 | SM | 650 | 2,600.00 |
| O | 25x12 Mastic sealant | 15 | LM | 450 | 6,750.00 |
| | Total carried to collection | | | | 1,795,830.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|------------------------------------|---|------------|-------------|-------------|-------------------|
| A | <u>Foundation walling</u> 225mm thick approved natural stone walling reinforced with 20mm thick hoop iron at every second course and laid with (1:3) cement sand mortar | 260 | SM | 1200 | 312,000.00 |
| B | <u>Hardcore filling</u> 300mm thick approved hardcore filling consolidated in 150mm layers and well compacted. | 410 | SM | 400 | 164,000.00 |
| C | <u>Murram Blinding</u> 75mm thick approved hardcore filling consolidated two layers and well compacted. | 410 | SM | 250 | 102,500.00 |
| D | Prepare and apply "Gladiator TC"(organophosphates chlorpyritos) coverage 8SM per litre as "HIGH CHEM LTD" or other equal and approved. | 410 | SM | 150 | 61,500.00 |
| E | 1000 Gauge Damp Proof membrane with lap allowance of 200mm | 410 | SM | 150 | 61,500.00 |
| F | Mesh fabric reinforcement with 150mm laps allowance allowance for laps) reference A 142 to BS 1483. | 410 | SM | 450 | 184,500.00 |
| G | <u>Formwork to edges of slab</u> Soft sawn timber formwork to edges of ground floor slab, girth exceeding 75mm but not exceeding 150mm | 106 | LM | 150 | 15,900.00 |
| Total carried to collection | | | | | 901,900.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|---------------------|
| | <u>Class 20/20mm aggregate, mix (1:2:4) Vibrated concrete to:-</u> | | | | |
| A | 150mm thick Class 20/20mm reinforced vibrated concrete to ground floor slab | 410 | SM | 1500 | 615,000.00 |
| | <u>Plinth treatment</u> | | | | |
| B | 12mm thick render (400 mm girth) of cement to sand (1:4) to receive bituminous paint (M.s) | 56 | SM | 250 | 14,000.00 |
| C | Prepare and apply one undercoat and two finishing coats of black bituminous paint | 56 | SM | 350 | 19,600.00 |
| | <u>Plunking and strutting</u> | | | | |
| D | Allow for plunking and strutting to sides of excavations | | ITEM | | 10,000.00 |
| | <u>Removal of water</u> | | | | |
| E | Allow for keeping of the excavation free from mud and all water including spring and running water by pumping, pailing or any other approved means | | ITEM | | 10,000.00 |
| | <u>Disposal</u> | | | | |
| F | Load surplus excavated material and cart away from site distance not less than 500 metres | 164 | CM | 350 | 57,400.00 |
| | <u>Fillings</u> | | | | |
| G | Return fill in and ram selected excavated materials around foundation | 329 | CM | 350 | 115,150.00 |
| | <u>Paving slabs</u> | | | | |
| H | 600x600x50mm thick precast concrete slabs on including 50mm sand bed and 100mm thick compacted hardcore sub-base to fall, jointing and pointing in cement sand mortar (1:3) and compaction. | 64 | SM | 1100 | 70,400.00 |
| | Total carried to collection | | | | 911,550.00 |
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page KH/1 | | | | 377,850.00 |
| | Brought forward from page KH/2 | | | | 1,795,830.00 |
| | Brought forward from page KH/3 | | | | 901,900.00 |
| | Brought forward from page above | | | | 911,550.00 |
| | Total for Element No. 01 Substructure Carried to Summary page | | | | 3,987,130.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|---------------------|
| | <u>ELEMENT NO. 02</u> | | | | |
| | <u>SUPERSTRUCTURE FRAME</u> | | | | |
| | <u>COLUMNS</u> | | | | |
| | <i>Reinforced (Provisional)</i> | | | | |
| A | 16mm high tensile reinforcing steel bars including spacers, hoks and tying wire all to position to BS 4461 | 1126 | KG | 235 | 264,610.00 |
| B | 12mm diameter ditto for circular | 458 | KG | 235 | 107,630.00 |
| C | 8mm diameter ditto | 368 | KG | 235 | 86,480.00 |
| | <u>Formwork to:-</u> | | | | |
| D | Softwood sawn timber formwork to columns | 218 | SM | 235 | 51,230.00 |
| E | Vibrated reinforced concrete (1:2:4) / 20-20mm aggregate in columns | 16 | CM | 13,000 | 208,000.00 |
| | <u>Main and intermediate beams</u> | | | | |
| | <u>Reinforcement (All Provisional)</u> | | | | |
| F | 25mm high tensile reinforcing steel bars including spacers, hooks and tying wires to position | 1112 | KG | 235 | 261,320.00 |
| G | 20mm diameter ditto | 712 | KG | 235 | 167,320.00 |
| H | 16mm diameter ditto | 2238 | KG | 235 | 525,930.00 |
| I | 12mm diameter bar | 584 | KG | 235 | 137,240.00 |
| J | 8mm diameter bar | 1038 | KG | 235 | 243,930.00 |
| | <u>Main intermediate Beams</u> | | | | |
| | <u>Concrete works</u> | | | | |
| K | Class 20/20mm aggregate, mix (1:2:4) Vibrated and reinforced concrete beams | 40 | CM | 13,000 | 520,000.00 |
| | <u>Formwork to:-</u> | | | | |
| L | Softwood cypress sawn celcured timber formwork to sides and soffit of ring beam | 460 | SM | 300 | 138,000.00 |
| | <u>Walling</u> | | | | |
| | <u>200mm Thick Walling</u> | | | | |
| M | 200mm thick medium dressed one side natural stone walling reinforced with 20mm hoop iron at every second course laid with (1:4) cement sand mortar | 248 | SM | 1500 | 372,000.00 |
| | <u>Water proofing</u> | | | | |
| N | 200mm wide bituminous felt damp proof course bedded in (1:3) cement sand mortar | 106 | LM | 120 | 12,720.00 |
| | TOTAL CARRIED TO COLLECTION PAGE | | | | 3,096,410.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|---------------------|
| | <u>Suspended Floor Slab</u> | | | | |
| | <u>Reinforcement (Provisional)</u> | | | | |
| A | 12mm high tensile square reinforcement steel bars, including tying wires and spacer blocks all to position | 1,440 | KG | 235 | 338,400.00 |
| B | Ditto to D10mm bars | 2,000 | KG | 235 | 470,000.00 |
| C | Ditto to D8mm bars | 640 | KG | 235 | 150,400.00 |
| | <u>Formwork to edges of slab</u> | | | | |
| D | Softwood sawn formwork to edges of floor slab exceeding 75mm but exceeding 150mm | 106 | LM | 150 | 15,900.00 |
| E | Sawn softwood formwork to soffits of suspended floor slab | 410 | SM | 300 | 123,000.00 |
| | <u>Concrete Works</u> | | | | |
| | <u>Vibrated reinforced concrete class 20-20mm aggregate (1:2:4) in:-</u> | | | | |
| F | 150mm thick suspended slab | 310 | SM | 1900 | 589,000.00 |
| G | 100mm diameter timber poles 3000mm long for props at 600mm c/c | 510 | NO | 300 | 153,000.00 |
| | <u>Expansion joint</u> | | | | |
| H | 25mm Thick flexell in expansion joint | 16 | SM | 650 | 10,400.00 |
| I | 25x12 Mastic sealant | 60 | LM | 450 | 27,000.00 |
| | TOTAL COLLECTION | | | | 1,877,100.00 |
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page KH/5 | | | | 3,096,410.00 |
| | Brought forward from above | | | | 1,877,100.00 |
| | Total for Element No. 02 Superstructure Frame Carried to Summary | | | | 4,973,510.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|------------------|
| | <u>ELEMENT NO. 03</u> | | | | |
| | <u>DOORS</u> | | | | |
| | <u>Galvanized steel casement standard door complete with hinges ,stars, fasteners, permanent vent with mosquito gauze and sheet hood assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:3) comprising 40x25x3mm stiles,bottom and top rail and 4No. Intermediate rails, all primed with red oxide to:-</u> | | | | |
| A | 1200mm x 2400 high door complete with 50 x 2400 fixed angle frame with ' UNION" 1- lever steel door lock, 3 x 200mm lockable tower bolts. | 3 | NO | 12,000 | 36,000.00 |
| | <u>Painting and Decoration</u> | | | | |
| B | Prepare and apply one undercoat and two finishing coats of first quality gloss oil paint both internal and external surface of Doors | 9 | SM | 350 | 3,150.00 |
| | Total for Element No.03 Doors | | | | |
| | Carried to Summary | | | | 39,150.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | | UNIT | RATE | AMOUNT |
|-------------|---|----|-------------|-------------|-------------------|
| | <u>ELEMENT NO. 04</u> | | | | |
| | <u>Windows</u> | | | | |
| | <u>Galvanized steel casement windows (supply and fix the following windows casement frames complete with hinges ,stars, fasteners, permanent vent with mosquito gauze and sheet good assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:3) glazing and grill(m.s) to:-</u> | | | | |
| A | 1500 x 1500mm frame all welded joints ground smooth and finished with red oxide coat with two side hanglights; one fixed bottom light and two fixed light | 9 | NO | 10,000 | 90,000.00 |
| B | Ditto to Window size 1500 x 900mm | 6 | SM | 7,000 | 42,000.00 |
| | <u>Glazing</u> | | | | |
| C | 4mm thick clear glass fixed to metal frame (M.S) with putty in panes exceeding 0.50m2 but not exceeding 1.0m2. | 23 | SM | 1100 | 25,300.00 |
| | <u>Window Cill</u> | | | | |
| D | 75mm thick x 250mm wide precast concrete (1:2:4) weathered,throated and grooved and bedded on 200mm thick walls including heavy duty weld mesh and building in concrete blockwork | 23 | LM | 250 | 5,750.00 |
| | <u>Painting and Decoration</u> | | | | |
| E | Prepare and apply one undercoat and two finishing coats of first quality gloss oil paint both internal and external surface of windows | 46 | SM | 350 | 16,100.00 |
| | | | | | |
| | | | | | |
| | Total for Element No. 04 Windows Carried to Summary | | | | 179,150.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|---------------------|
| | <u>Element No. 05</u> | | | | |
| | <u>Floor finishes</u> | | | | |
| A | 24mm thick cement sand screed (1:3) mortar backing trowelled rough and hard to receive terrazzo | 360 | SM | 280 | 100,800.00 |
| B | 15mm thick terrazzo chipings(1:3) mortar trowelled smooth granded and polished to approval. | 360 | SM | 1900 | 684,000.00 |
| C | 38mm thick Plastic deviding strips | 720 | LM | 110 | 79,200.00 |
| D | 100 x 25mm thick terrazzo skirting | 172 | LM | 500 | 86,000.00 |
| | <u>plaster</u> | | | | |
| E | 12mm thick cement lime sand (1:1:6) plaster trowelled smooth to receive paint(m.s), internal walls | 282 | SM | 250 | 70,500.00 |
| F | Ditto but render to key in external walls | 64 | SM | 250 | 16,000.00 |
| G | Ditto to columns and beams | 142 | SM | 250 | 35,500.00 |
| | <u>Painting and decoration</u> | | | | |
| H | Prepare and apply one undercoat and two finishing coats of first grade vinyl silk emulsion paint to internal walls | 282 | SM | 300 | 84,600.00 |
| I | Prepare and apply one undercoat and two finishing coats of first grade vinyl silk emulsion paint to internal walls | 142 | SM | 300 | 42,600.00 |
| | <u>Soffits of suspended floor slab</u> | | | | |
| J | 12mm thick plaster trowelled smooth to receive paint(m.s) | 310 | SM | 250 | 77,500.00 |
| K | Prepare and apply one undercoat and two finishing coats of first grade vinyl silk emulsion paint | 310 | SM | 300 | 93,000.00 |
| | Total for Element No. 06 Finishes Carried to Summary | | | | 1,369,700.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|----------------------|
| | <u>Summary page for Ground Floor</u> | | | | |
| | Substructure brought forward from page KH/04 | | | | 3,987,130.00 |
| | Superstructure Frame brought forward from page KH/06 | | | | 4,973,510.00 |
| | Doors brought forward from page KH/07 | | | | 39,150.00 |
| | Windows brought forward from page KH/08 | | | | 179,150.00 |
| | Finishes brought forward from page KH/ 09 | | | | 1,369,700.00 |
| | Total for Ground Floor Works Carried to Main Summary | | | | 10,548,640.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|---------------------|
| | <u>FIRST FLOOR</u> | | | | |
| | <u>ELEMENT- 01</u> | | | | |
| | <u>SUPERSTRUCTURE FRAME</u> | | | | |
| | <u>COLUMNS</u> | | | | |
| | <u>Reinforcements (Provisional)</u> | | | | |
| A | 16mm high tensile reinforcing steel bars including spacers, hoks tying wires all to positions to BS 4461 columns | 1126 | KG | 235 | 264,610.00 |
| B | 12mm diameter ditto, circular columns | 458 | KG | 235 | 107,630.00 |
| C | 8mm diameter ditto, stirrups | 368 | KG | 235 | 86,480.00 |
| | <u>Formwork to:-</u> | | | | |
| D | Softwood sawn timber formwork to square/ rectangular/round columns | 218 | SM | 300 | 65,400.00 |
| | <u>Concrete works</u> | | | | |
| E | Vertical reinforced concrete (1:2:4) class 20/20mm aggregate reinforced to columns | 16 | CM | 13,000 | 208,000.00 |
| | <u>Beams</u> | | | | |
| | <u>Reinforcement (All Provisional)</u> | | | | |
| F | 16mm high tensile reinforcing steel bars including spacers, hooks and tying wires to position . | 2633 | KG | 235 | 618,755.00 |
| G | 8mm diameter bar | 778 | KG | 235 | 182,830.00 |
| | <u>Main and intermediate beams</u> | | | | |
| | <u>Concrete works</u> | | | | |
| H | Class 20/20mm aggregate, mix (1:2:4) Vibrated and reinforced concrete beams | 30 | CM | 13,000 | 390,000.00 |
| | <u>Formwork</u> | | | | |
| I | Softwood cypress sawn celcured timber formwork to sides and soffits of ring beam | 365 | SM | 300 | 109,500.00 |
| | <u>200mm Thick Walling</u> | | | | |
| J | 200mm thick medium dressed natural stone concrete walling reinforced with 20mm hoop iron at every two second course laid with (1:4) cement sand mortar | 218 | SM | 1500 | 327,000.00 |
| | Total for Element No.01 Superstructure /Frame Carried to Summary | | | | 2,360,205.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|-------------------|
| | <u>ELEMENT NO. 02</u> | | | | |
| | <u>DOORS</u> | | | | |
| | <u>Galvanized steel casement Doors standard door complete with hinges ,stars, fasteners, permanent vent with mosquito gauze and sheet hood assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:3) comprising 40x25x3mm stiles,bottom and top rail and 4No. Intermediate rails, all primed with red oxide to:-</u> | | | | |
| A | 1200mm x 2400 high door complete with 50 x 2400 fixed angle frame with ' UNION" 1- lever steel door lock, 3 x 200mm lockable tower bolts. | 3 | NO | 12000 | 36,000.00 |
| | <u>Painting and Decoration</u> | | | | |
| B | Prepare and apply one undercoat and two finishing coats of first quality clear polyethene varnish to doors internal & externally | 18 | SM | 350 | 6,300.00 |
| | <u>VERANDAH SUPORTING BALUTRADES</u> | | | | |
| C | 25mm x 25mm x3mm square hollow section (SHS) vertical baluster spacing at 150mm c/c on horizontal bottom and top rails of 50x50mm @ 1200mm 75x75x3mm SHS main posts one end fanged and built into concrete bed (m.s) to approval by PM | 50 | SM | 3200 | 160,000.00 |
| | <u>Painting and decoration</u> | | | | |
| D | Prepare and apply one undercoat and two finishing coats of first quality gloss oil paint both internal and external surface of balustrades | 50 | SM | 300 | 15,000.00 |
| | Total for Element No.02 Doors | | | | |
| | Carried to Summary | | | | 217,300.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|-------------------|
| | <u>ELEMENT NO. 03</u> | | | | |
| | <u>Windows</u> | | | | |
| | <u>Galvanized purpose made steel casement windows (supply and fix the following windows using heavy duty steel complete with hinges ,stars, fasteners, permanent opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and</u> | | | | |
| A | 1500 x 1500mm frame all welded joints ground smooth and finished with red oxide coat with two side hanglights; one fixed bottom light and two fixed light | 9 | NO | 10,000 | 90,000.00 |
| B | Ditto to Window size 1500 x 900mm | 6 | SM | 7000 | 42,000.00 |
| | <u>Glazing</u> | | | | |
| C | 4mm thick clear glass fixed to metal frame (M.S) with putty in panes exceeding 0.50m2 but not exceeding 1.0m2. | 29 | SM | 1100 | 31,900.00 |
| | <u>Window Cill</u> | | | | |
| D | 75mm thick x 250mm wide precast concrete(1:2:4) weathered throated and grooved and bedded on 200mm thick walls including all necessary reinforcement and building in | 23 | LM | 200 | 4,600.00 |
| | <u>Painting and Decoration</u> | | | | |
| E | Prepare and apply one undercoat and two finishing coats of first quality gloss oil paint both internal and external surface of windows | 58 | SM | 300 | 17,400.00 |
| | Total for Element No. 03 Windows Carried to Summary | | | | 185,900.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|---------------------|
| | <u>Element No. 05</u> | | | | |
| | <u>Floor finishes</u> | | | | |
| A | 24mm thick cement sand screed (1:3) mortar backing trowelled rough and hard to receive terrazzo | 310 | SM | 280 | 86,800.00 |
| B | 15mm thick terrazzo chipings(1:3) mortar trowelled smooth granded and polished to approval. | 310 | SM | 1900 | 589,000.00 |
| C | 38mm thick Plastic deviding strips | 680 | LM | 110 | 74,800.00 |
| D | 100 x 25mm thick terrazzo skirting | 172 | LM | 500 | 86,000.00 |
| | <u>plaster</u> | | | | |
| E | 12mm thick cement lime sand (1:1:6) plaster trowelled smooth to receive paint(m.s), internal walls | 282 | SM | 250 | 70,500.00 |
| F | Ditto but render to key in external walls | 65 | SM | 250 | 16,250.00 |
| G | Ditto to gable walls ,columns and beams | 172 | SM | 250 | 43,000.00 |
| | <u>Painting and decoration</u> | | | | |
| H | Prepare and apply one undercoat and two finishing coats of first grade vinyl silk emulsion paint to internal walls | 282 | SM | 300 | 84,600.00 |
| | <u>Painting and decoration</u> | | | | |
| I | Prepare and apply one undercoat and two finishing coats of first grade vinyl silk emulsion paint to columns and Beams. | 172 | SM | 300 | 51,600.00 |
| | <u>Ceiling Board</u> | | | | |
| J | 12mm thick chipboard ceiling panel 'V' jointed edges at 600c/c both ways (ms) | 410 | SM | 1100 | 451,000.00 |
| K | 125 x 25mm cypress softwood cornice moulded and plugged to wall | 238 | LM | 100 | 23,800.00 |
| L | 600x600mm access trap door with 50x50mm timber to edges. | 4 | NO | 800 | 3,200.00 |
| | <u>Painting and Decorating</u> | | | | |
| M | Prepare and apply one undercoat and two finishing coats of first grade plastic emulsion paint to ceiling surface | 410 | SM | 350 | 143,500.00 |
| N | Ditto but cornice | 238 | LM | 150 | 35,700.00 |
| | <u>Fabricate and fix the following unwrot cypress timber</u> | | | | |
| O | 75 x 50mm brandering | 454 | LM | 120 | 54,480.00 |
| P | 50 x 50mm brandering | 906 | LM | 100 | 90,600.00 |
| | Total for Element No. 04 Finishes Carried to Summary | | | | 1,904,830.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|------|--|-----|------|------|---------------------|
| | <u>Summary page for First Floor</u> | | | | |
| | Superstructure Frame brought forward from page KH/11 | | | | 2,360,205.00 |
| | Doors brought forward from page KH/12 | | | | 217,300.00 |
| | Windows brought forward from page KH/13 | | | | 185,900.00 |
| | Finishes brought forward from page KH/ 14 | | | | 1,904,830.00 |
| | Total for First Floor Works Carried to Main Summary | | | | 4,668,235.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|---------------------|
| | <u>ELEMENT NO. 06</u> | | | | |
| | <u>ROOFS CONSTRUCTION</u> | | | | |
| | <u>Roof trusses</u> | | | | |
| | <u>The following in hardwood timber roof trusses of various sizes assembled and fixed according to the engineer's detailed specification</u> | | | | |
| | <u>Sawn calculated first grade cypress in :-</u> | | | | |
| A | 150 x50mm rafters | 388 | LM | 350 | 135,800.00 |
| B | Ditto tie beam | 294 | LM | 350 | 102,900.00 |
| C | Ditto struts & ties | 341 | LM | 350 | 119,350.00 |
| D | 75x50 purlins | 658 | LM | 200 | 131,600.00 |
| | <u>Sawn calculated second grade cypress in :-</u> | | | | |
| E | 100x50mm. Wall plate bolt to beams | 94 | LM | 250 | 23,500.00 |
| | <u>Mild steel</u> | | | | |
| F | 12mm diameter rag bolt 150mm long built into prepared mortice in concrete(m.s) | 40 | NO | 150 | 6,000.00 |
| G | 150x50x6mm Angle cleat. | 40 | NO | 100 | 4,000.00 |
| | <u>Sundries</u> | | | | |
| H | Drill hole in 150mm thick softwood for 12 diameter bolt | 40 | NO | 100 | 4,000.00 |
| I | Cut mortice 225mm deep in reinforced concrete beam for and including embedding 12mm diameter bolt with concrete (1:2:4) and make good. | 40 | NO | 200 | 8,000.00 |
| | <u>Roof Covering</u> | | | | |
| J | 28 gauge prepainted galvanized IT5 box profile corrugated sheets laid and secured on 75x50 timber purlins using roofing nails and washers. | 572 | SM | 1250 | 715,000.00 |
| | <u>Biuiders work in conection with interanl foul drainage.</u> | | | | |
| K | Ridge cap | 100 | LM | 350 | 35,000.00 |
| L | Valley Ridge cap | 14 | LM | 350 | 4,900.00 |
| | Total carried to collection | | | | 1,290,050.00 |
| | | | | | |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|-------------|--|-------------|------------|-------------|---------------------|
| | <u>Rainwater Goods</u> | | | | |
| | <u>PVC GUTTERS</u> | | | | |
| A | 150mm half diameter PVC gutter | 88 | LM | 650 | 57,200.00 |
| B | 100mm diameter down pipe clipped onto concrete wall with and including holder bats at 900mm centres | 36 | LM | 450 | 16,200.00 |
| C | Extra over gutter for making hole size 75mm | 6 | NO | 350 | 2,100.00 |
| D | Extra over gutter for stripped end | 6 | NO | 350 | 2,100.00 |
| E | Extra over down pipe for shoe | 6 | NO | 350 | 2,100.00 |
| | <u>Prepare and apply one approved,primer,one undercoat and two coats of 'CROWN SOLO' or other equal and</u> | | | | |
| F | General surfaces of gutters,over 300mm girth external | 88 | LM | 150 | 13,200.00 |
| G | Small pipes,externally | 36 | LM | 150 | 5,400.00 |
| | <u>Wrot cypress</u> | | | | |
| H | 250x25mm fascia board | 114 | LM | 200 | 22,800.00 |
| | <u>Painting and Decorating</u> | | | | |
| | <i><u>Prepare,knot,prme,stop,and apply undercoat two finishing</u></i> | | | | |
| I | Surface 200-300mm girth | 114 | LM | 150 | 17,100.00 |
| | Total Carried to Collection | | | | 138,200.00 |
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page KH/16 | | | | 1,290,050.00 |
| | Brought down from above | | | | 138,200.00 |
| | Total for Element No.06 Roof construction Carried to Summary | | | | 1,428,250.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|-------------------|
| | <u>ELEMENT NO.06 STAIRS</u> | | | | |
| | <u>Vibrated reinforced concrete class (1:1:4) 20mm aggregate as described in:-</u> | | | | |
| A | Stairs | 1 | CM | 13,000 | 13,000.00 |
| B | 200mm thick stair landing | 4 | SM | 1500 | 6,000.00 |
| C | Stair beam | 2 | CM | 13,000 | 26,000.00 |
| | <u>Sawn formwork as described to:-</u> | | | | |
| D | Stoping soffits of stairs | 7 | SM | 300 | 2,100.00 |
| E | Horizontal soffit of stair landing | 6 | SM | 300 | 1,800.00 |
| F | Sides of stair beam | 4 | SM | 300 | 1,200.00 |
| G | Edge of sloping stair girth 300mm | 12 | LM | 150 | 1,800.00 |
| H | Edge of stair landing girth 75mm -150mm | 6 | LM | 150 | 900.00 |
| I | Edge of riser 75mm -150mm | 24 | LM | 150 | 3,600.00 |
| | <u>Reinforcement (All Provisional)</u> | | | | |
| | <u>The following in high tensile reinforcement square twisted bar to B.S 4461 as described including cutting to lengths, bending, twisting and fixing, including all necessary tying and spacer blocks.</u> | | | | |
| J | 12 diameter bar | 175 | KG | 235 | 41,125.00 |
| K | 10mm diameter bar | 221 | KG | 235 | 51,935.00 |
| | <u>Stair finishes</u> | | | | |
| | <u>20mm thick cement sand (1:3) screed to:-</u> | | | | |
| L | Stair | 6 | SM | 250 | 1,500.00 |
| M | Landing | 4 | SM | 250 | 1,000.00 |
| N | Sides of stair width 300mm | 15 | LM | 100 | 1,500.00 |
| | Total Carried to Collection | | | | 153,460.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|------------------------------------|---|------------|-------------|-------------|-------------------|
| A | <u>15mm thick terrazzo to:-</u> Stair tread 300mm wide | 26 | LM | 250 | 6,500.00 |
| B | Stair riser 150mm high | 28 | LM | 250 | 7,000.00 |
| C | Landing | 4 | SM | 1,500 | 6,000.00 |
| D | Sides of stair overall width 300mm | 26 | LM | 250 | 6,500.00 |
| E | <u>Cement lime (1:1:6) sand plaster as described to:-</u> 12mm thick in two coats to sloping soffites of stairs | 6 | SM | 250 | 1,500.00 |
| F | 12mm thick in two coats of horizontal soffites of landing | 4 | SM | 250 | 1,000.00 |
| G | Prepare and apply one undercoat and two finishing coats of vinyl matt emulsion paint on plastered surface | 22 | SM | 350 | 7,700.00 |
| H | <u>Ballustrating</u> 75mm x 25mm x 3mm rectangular hollow section (RHS) steel bottom rails welded and fixed in position | 24 | LM | 400 | 9,600.00 |
| I | 75mm x 25mm x 3mm ditto middle rail ditto | 24 | LM | 400 | 9,600.00 |
| J | 25mm x 25mm x3mm rectangular hollow section (RHS) baluster 1200mm long twice counter sunk, one end fanged and built into concrete bed (m.s) | 72 | NO | 200 | 14,400.00 |
| K | <u>Sundries</u> Weld baluster to metal rail | 72 | NO | 250 | 18,000.00 |
| L | Extra over baluster for fanged end | 48 | NO | 250 | 12,000.00 |
| M | Make hole in reinforced concrete for funged end and make good in cement sand mortar | 48 | NO | 250 | 12,000.00 |
| Total Carried to Collection | | | | | 111,800.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|-------------------|
| A | Supply and weld on steel hand rail 4.00mm steel flat width 100mm | 18 | LM | 350 | 6,300.00 |
| B | Supply and fix onto steel top rail 1125mm wrot mahogany or other equal and approved HARDWOOD handrail with three labour <u>Prepare and apply three coats of prime grade gloss paint to:</u> | 18 | LM | 250 | 4,500.00 |
| C | Metal surface girth 100 -200mm (top rail, middle rail and bottom rail) | 18 | LM | 220 | 3,960.00 |
| D | Metal surface girth not exceeding 100mm | 136 | LM | 200 | 27,200.00 |
| E | Prepare and apply three coats of clear varnish on general surface of wood girth 200 - 300mm | 18 | LM | 200 | 3,600.00 |
| | Total Carried to Collection | | | | 45,560.00 |
| | <u>COLLECTION</u> | | | | |
| | Brought forward from page KH/18 | | | | 153,460.00 |
| | Brought forward from page KH/19 | | | | 111,800.00 |
| | Brought down from above | | | | 45,560.00 |
| | Total for Element No. 07 Stairs Carried to Summary | | | | 310,820.00 |
| | | | | | |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|-------------------|
| | <u>ELEMENT 08</u> | | | | |
| | <u>Vibrated reinforced concrete (1:2:4)20mm</u> | | | | |
| | <u>aggregete as described in:-</u> | | | | |
| A | 150mm thick ramp slab | 48 | SM | 1500 | 72,000.00 |
| B | 200mm thick ramp landing | 14 | SM | 1500 | 21,000.00 |
| C | Ramp beam | 4 | CM | 13,000 | 52,000.00 |
| | <u>Sawn formwork tas described to:-</u> | | | | |
| D | slope soffit of ramp | 48 | SM | 250 | 12,000.00 |
| E | horizontalsoffit of ramp landing | 14 | SM | 250 | 3,500.00 |
| F | sides of ramp beam | 28 | SM | 250 | 7,000.00 |
| G | Edges of slopping ramp girth 75-150mm | 18 | LM | 100 | 1,800.00 |
| H | Edges of ramp landing 75-150mm | 9 | LM | 100 | 900.00 |
| | <u>Reinforcement (all provisional)</u> | | | | |
| | <u>The following in high tensile reinforcement square twisted</u> | | | | |
| | <u>bar to B.S 4461 as described inculding cutting to lenghs</u> | | | | |
| | <u>,bending all ,twisting and fixing ,inculding all necessary</u> | | | | |
| | <u>tying and spacing blocks</u> | | | | |
| I | 20mm diameter bar | 120 | KG | 235 | 28,200.00 |
| J | 16mm Ditto | 110 | KG | 235 | 25,850.00 |
| K | 12mm Ditto | 545 | KG | 235 | 128,075.00 |
| L | 10mm Ditto | 195 | KG | 235 | 45,825.00 |
| M | 8mm Ditto | 20 | KG | 235 | 4,700.00 |
| | <u>Ramp finishes</u> | | | | |
| | 20mm thick cemet sand (1:3)screed to. | | | | |
| N | Ramp | 48 | SM | 250 | 12,000.00 |
| O | Ramp landing | 14 | SM | 250 | 3,500.00 |
| P | sides of ramp width 200mm | 9 | LM | 100 | 900.00 |
| | TOTAL CARRIED TO COLLECTION | | | | 419,250.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|--|------------|-------------|-------------|-------------------|
| A | <u>15mm thick terrazzo chips to</u> Ramp | 48 | SM | 1500 | 72,000.00 |
| B | Ramp landing | 16 | SM | 1500 | 24,000.00 |
| C | sides of ramp overall width 200mm | 9 | LM | 250 | 2,250.00 |
| | <u>cement lime sand (1:1:6) plaster as described to:</u> | | | | |
| D | 12mm thick in two coats to sloping soffites of ramp | 48 | SM | 250 | 12,000.00 |
| E | 12mm thick in two coats to horizontal soffites of ramp | 60 | SM | 250 | 15,000.00 |
| F | Prepare and apply one undercoat and two finishing coats of vinyl matt emulsion paint on plastered surface | 38 | SM | 250 | 9,500.00 |
| | <u>Balusterting</u> | | | | |
| G | 75mm x25mm x 3mm rectangular hollow section (RHS) steel bottom rail welded and fixed in position | 60 | LM | 350 | 21,000.00 |
| H | 75mm x 25mm x 3mm ditto to middle rail | 60 | LM | 350 | 21,000.00 |
| I | 25mm x 25mm x 3mm rectangular hollow section (RHS) balusters 1200mm long twice counter sunk ,one end fanged and built into concrete bed (MS) | 104 | NO | 200 | 20,800.00 |
| | <u>sundries</u> | | | | |
| J | weld balusters to metal rail | 305 | NO | 200 | 61,000.00 |
| K | Extra over baluster for fanged end | 104 | NO | 200 | 20,800.00 |
| L | Make hole in reinforced for fanged end and make good in cement sand mortar | 104 | NO | 200 | 20,800.00 |
| | TOTAL CARRIED TO COLLECTION | | | | 300,150.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|--|--|------------|-------------|-------------|-------------------|
| A | Supply and weld on steel hand rail 4mm steel flat width 100mm | 30 | LM | 350 | 10,500.00 |
| B | Supply and fix onto steel top rail 1125 x50 mm wrot mahongany or other equal and approved HARDWOOD HANDRAIL with three labours <u>prepare and and apply three coats of prime grade gloss paint to:</u> | 60 | LM | 150 | 9,000.00 |
| C | metal surface girth 100-200mm (top rail ,middlle rail and bottom rail) | 92 | LM | 120 | 11,040.00 |
| D | Metal surface girth not exceeding 100mm | 172 | LM | 120 | 20,640.00 |
| E | prepare and apply three coats of clear varnish on general surface of wood girth 200-300mm | 60 | LM | 120 | 7,200.00 |
| <u>Total carried to collection</u> | | | | | 58,380.00 |
| <u>COLLECTION</u> | | | | | |
| Brought forward from page KH/21 | | | | | 419,250.00 |
| Brought forward from page KH/22 | | | | | 300,150.00 |
| Brought forward from above | | | | | 58,380.00 |
| Total for ELEMENT NO 08 Ramp carried to collection main sammary | | | | | 777,780.00 |
| | | | | | |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|----------------------|
| | <u>MAIN SUMMARY</u> | | | | |
| 1 | GROUND FLOOR WORKS FROM PAGE KH/10 | | | | 10,548,640.00 |
| 3 | FIRST FLOOR WORKS FROM PAGE KH/15 | | | | 4,668,235.00 |
| 4 | ROOF WORKS FROM PAGE KH/17 | | | | 1,428,250.00 |
| 5 | STAIR CASE WORKS FROM PAGE KH/20 | | | | 310,820.00 |
| 6 | RAMP WORKS FROM PAGE KH/23 | | | | 777,780.00 |
| | TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY | | | | 17,733,725.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|-------------|---|------------|-------------|-------------|-------------------|
| | <u>PRIME COST AND PROVISIONAL SUMS</u> | | | | |
| A | Allow prime cost Sum of Kenya Shillings Three Hundred Thousand (Kshs.300,000.00) only for Electrical Installation and upgrading of main switch to be executed by a nominated Sub-Contractor | | Sum | | 300,000.00 |
| B | Allow for profit for Main Contractor on item "A" above | | 4% | | 12,000.00 |
| C | Allow for attendance for Main Contractor on item "A" above | | Sum | | 12,000.00 |
| D | Allow for a prime cost sum of Kenya shillings Two Hundred and Seventy Thousand,(Kshs.270,000.00) only for Project Manegement Team (State Department of Publick Works) | | Sum | | 270,000.00 |
| E | Allow a provisional sum of Kenya shillings Two Hundred Thousand (Ksh. 200,000.00) only for contigencies to be spent at the discretion of the pm. | | Sum | | 200,000.00 |
| | TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY | | | | 794,000.00 |

PROPOSED CONSTRUCTION OF 6NO.CLASSROOMS AT KHWISERO PRIMARY SCHOOL

| GRAND SUMMARY | | | | | | |
|----------------------|---|--------------|---------------------|------------|--------------------------|-----------|
| ITEM | DESCRIPTION | PAGE | OFFICIAL USE | | TENDERER'S AMOUNT | |
| | | | KSH. | CT. | KSHS. | CT |
| 1 | PRELIMINARIES FROM PAGE | PL/01 | 120,000 | 00 | | |
| 2 | BUILDER'S WORKS FROM PAGE | KH/24 | 17,733,725 | 00 | | |
| 3 | P C & PROVISIONAL SUMS FROM PAGE | PC/1 | 794,000 | 00 | | |
| | N/B; INCLUSIVE OF ALL GOVERNMENT TAXES | | | | | |
| | TOTAL TENDER CARRIED TO FORM OF TENDER | | 18,647,725 | 00 | | |

Amount of tender in words : Kenya Shillings

.....

Tendere's name.....

Tenderer's Signature and Stamp

Address.....

Witness Name and Signature

Address:.....