



REPUBLIC OF KENYA

MINISTRY OF TRANSPORT, INFRASTRUCTURE, HOUSING AND
URBAN DEVELOPMENT

STATE DEPARTMENT OF PUBLIC WORKS

PROPOSED CONSTRUCTION OF 4NO. CLASSROOM BLOCK
(ONE STOREY)

AT

ISAANGWA PRIMARY SCHOOL

W.P ITEM TENDER NO.....

NGCDF/KC/ISAPS/2026/2027

Oct-26

PWO
Ministry of Public Works ,
P.O Box 33-90200
KITUI

Quantity Surveyor
Ministry of Public Works ,
P.O Box 33-90200
KITUI

REPUBLIC OF KENYA
MINISTRY OF PUBLIC WORKS
TENDER DOCUMENTS

Supplied as part of the contract for the **PROPOSED CONSTRUCTION OF CLASSROOM BLOCK**

ISSUED BY:-

**Quantities and Contracts Department,
Ministry of Public Works
P.O.. Box 33-90200
KITUI**

The contract for the above mentioned works entered into this day of..... 2026 by the undersigned parties refers to this Bills of Quantities and the Ministry of Public Works General Specification dated 1976 (together with any amendments thereto issued since the date of publication) **BOTH of which will be read and construed as part of the said contract.**

.....
(CONTRACTOR)

.....
**COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS**

DATE.....

DATE.....

SPECIAL NOTES

The contractor is required to check the numbers of the pages of these Bills of Quantities and should he find any missing or in duplicate or figures indistinct or should he be in doubt about the precise meaning for any reason whatsoever he must inform the Permanent Secretary for Roads and Public Works , Ngong Road Nairobi at once and have the same rectified or correct meaning decided before the date of submission of tenders.

No liability will be accepted nor any claim allowed in respect of errors in the contractor's tender due to mistake in the Bills of Quantities which should have been rectified in the manner described above.

The Bills Of Quantities and the General Specifications and the Drawings shall be read and construed together and whenever the descriptions in the Bills of Quantities do not agree with the descriptions in the General Specifications and the Drawings , the Bills of Quantities shall override the General Specifications and whenever the Drawings do not agree with General Specifications then the Drawings shall override the General Specifications

Signature Page
(ii)

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 1 SUBSTRUCTURES (ALL PROVISIONAL) <u>Site clearance</u> Clear the site off grass, shrubs and all vegetation; cart away as directed	190	S/m		
B	<u>Excavations and earth works</u> Excavate vegetable soil average 200mm deep to remove vegetable soil and reduce levels and cart away as directed	190	S/m		
C	Excavate to reduce levels starting from stripped level not exceeding 1.50 meters deep for foundation trench.	62	Cm		
D	Ditto for column bases starting from reduced level not exceeding 1.50 meters deep.	45	Cm		
E	Ditto for column bases but not exceeding 3.0 meters deep	6	Cm		
F	Extra over excavation for excavating in rock. For any class type	4	Cm		
<i>Carried to collection</i>					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Substructure contn'd</u>				
	<u>Disposal and Cart away:</u>				
A	Return, fill-in and rum selected excavated material around the foundation	36	Cm		
B	Remove and cart surplus excavated material in hips on site for re-use in filling	71	Cm		
	<u>Diposal of water</u>				
C	Allow for Keeping all excavations free from all water including spring or running water by pumping ,bailing or other approved means		Item		
	<u>Planking and strutting</u>				
D	Allow for Planking and Strutting to sides of all excavations		Item		
	<u>Hard core Filling as described.</u>				
E	Imported hardcore filling including depositing levelling and compacting in layers of 150mm maximum thickness n.e 1.5 mm.	57	Cm		
F	50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polythene sheeting (m.s)	190	Sm		
	<u>Antitermite treatment</u>				
G	PREMISE 200CC' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	190	Sm		
	<u>Damp proofing</u>				
H	1000 gauge polythene or other equal and approved plastic sheeet damp proof memembrane laid over blinding (measured net- allow for laps)	190	Sm		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Substructure contn'd</u> <u>In-situ concrete</u> <u>Mass concrete (1.3.6/38-38 mm aggregate)</u> 50mm thick mass concrete class Q _(1;3;6) to bottoms of foundations	81	Sm		
B	Ditto to column bases <u>Vibrated reinforced concrete; class 25/20;as decribed in</u>	30	Sm		
C	Foundations in trenches irrespective of thickness	16	Cm		
D	Column bases	8	Cm		
E	Columns in substructure	4	Cm		
F	100mm thick bed <u>Reinforcement</u> <u>Supply and fix bars Reinforcement including bending ,hooks,tying wire,cutting spacersand supporting all in position as decribed</u> <u>High tensile square twisted bars to B.S. 446I</u>	190	Sm		
G	8mm Diameter	288	Kg		
H	10mm Diameter	320	Kg		
I	12mm Diameter	750	Kg		
J	16mm Diameter	330	Kg		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Substructure contn'd</u>				
	<u>Mesh reinforcement ; B.S. 4483</u>				
A	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	190	Sm		
	<u>Sawn formwork to insitu concrete as described:</u>				
B	To sides of Circular foundation column	8	Sm		
C	To sides of Square foundation columns	29	Sm		
D	Edges of ground floor slab; 75 to 150mm wide	62	Lm		
	<u>Foundation Walling</u>				
E	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar and reinforced with and including 20swg x 25 mm wide hoopiron in every alternate course	216	Sm		
	<u>Insitu finishings</u>				
F	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	25	Sm		
	<u>Prepare and apply three coats black bituminous as CROWN or BASCO PREMIUM paint on:</u>				
G	Rendered plinths, externally.	25	Sm		
	<u>Paving:</u>				
H	20mm thick 600x600mm PCC Paving slabs around the building including all necessary excavations, sand base formation and haunching in mass concrete at the edges.	38	Sm		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Substructure contn'd</u> <u>COLLECTION</u> From page GF/1 From page GF/2 From page GF/3 From page GF/4				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>SUPERSTRUCTURE REINFORCED</u> <u>CONCRETE FRAME</u> <u>(BEAMS;COLUMNS;SLABS;STAIRCASE)</u>				
	<u>Insitu concrete; reinforced; class 25/20; vibrated</u>				
A	Beams	9	Cm		
B	Columns	4	Cm		
C	Ramp	3	Cm		
D	150mm Suspended landing	4	Sm		
E	150mm Suspended Slab	190	Sm		
	<u>Reinforcement (all provisional)</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461</u> <u>including bends, hooks, tying wire and distance</u> <u>blocks of assorted diameter</u>				
F	8mm Diameter	431	Kg		
G	10mm Diameter	3670	Kg		
H	12mm Diameter	551	Kg		
I	16mm Diameter	960	Kg		
	<i>Carried to Collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

[illegible]

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Superstructure frame contn'd</u> <u>COLLECTION</u> From page GF/6 From page GF/7				
	TOTAL FOR FRAME CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3 WALLING</u>				
	<u>Natural stone walling; machine-dressed; bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoopiron;</u>				
A	200 mm thick reinforced in every third course	187	Sm		
B	100 mm thick reinforced in every third course	0	Sm		
C	Extra over in vent blocks as "CLAY WORKS K. LTD" or other equal and approved at the staircase as directed.	11	Sm		
	<u>Horizontal Damp Proof Course:one layer of 3-ply bituminous felt or other equal approved (measured nett-allow for laps)</u>				
D	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	75	Lm		
E	100mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	0	Lm		
TOTAL FOR EXTERNAL AND INTERNAL WALLING CARRIED TO SUMMARY					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO.4 DOORS <u>External Metal Doors</u> <u>Supply, assemble and fix the following steel framed doors to BS7950, including steel plates on both sides;75 x 50 x 3mm thick rebated frame plugged all round and to include hinges and rebated door lock to works officer approval including 300mm high fanlight</u> Doors overall size 1000 x 2400mm high including 300mm high permanent vent in clear glass. <u>Glazing</u> 4mm Thick clear sheet glass panes including glass putty to metal doors <u>To concrete or blockwork; fixing with bolts; plugging</u> Rubber door stop complete with 38 mm rawl bolt <u>Painting and Decorations</u> <u>Prepare and apply three coats of 1st quality gloss oil paint as CROWN or BASCO PREMIUM to: -</u> General surfaces of doors	2 1 2 10	No Sm No. Sm		
TOTAL FOR DOORS CARRIED TO SUMMARY					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.5 WINDOWS</u>				
	<u>Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish</u>				
	<u>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging</u>				
A	Window, overall size 1200 x 1500 mm high as per Architect approval.	8	No		
	<u>Glazing</u>				
B	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	18	Sm		
	<u>Window cill</u>				
C	125 x 20 mm thick quarry tile cill with one curved edge including bedding and pointing in cement and sand (1:3) mortar	15	Lm		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Lower ground windows contn'd</u> <u>Painting and Decorations</u> <u>On Metal work</u> <u>Prepare and apply three coats oil paint full gloss to</u> <u>Crown or other equal and approved to: -</u>				
	General window surfaces	36	Sm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u> From page GF/11 From page GF/12 Above				
	TOTAL WINDOWS CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6 FINISHES</u>				
	<u>Wall finishes</u>				
	<u>Internal wall</u>				
	<u>Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
A	Walls; beams; columns; internal	225	Sm		
B	Ditto soffittes of suspended slab	185	Sm		
C	Ditto Reveals and Jambs	5	Sm		
	<u>Painting and decorations</u>				
	<u>Prepare and apply three coats of first quality silk vinyl paint as CROWN or BASCO PREMIUM to: -</u>				
D	Plastered surfaces: walls;beams,columns	225	Sm		
E	Ditto soffittes of suspended slab	185	Sm		
F	Ditto Reveals and Jambs	5	Sm		
	<u>External wall finishes</u>				
G	12 × 12mm cement and sand(1:3) mortar horizontal recessed pointing to natural stone walling	145	Sm		
	<u>Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
H	Walls; beams; columns; External	55	Sm		
J	Ditto Reveals and Jambs	5	Sm		
	<i>Carried to Collection for External wall finishes</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Finishes contn'd</u>				
	<u>Painting and decorations</u>				
	<u>Prepare and apply three coats of first quality silk vinyl paint as CROWN or BASCO PREMIUM to: -</u>				
A	Plastered surfaces: walls;beams,columns	55	Sm		
B	Ditto Reveals and Jambs	5	Sm		
	<u>Floor finishes</u>				
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
C	25mm thick screed 1:3 cement:sand in woodfloat finish to receive floor tiles (m.s)	189	Sm		
D	Ditto to Ramp ditto.	22	Sm		
	<u>Approved; local; 450x450mm non-slip; ceramic floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>				
E	8mm Thick to floors level; internal	189	Sm		
F	Ditto to Ramp ditto.	22	Sm		
G	Skirtings; 100mm wide with rounded junction with	120	Lm		
H	Open strings and closed strings; 370mm extreme width ditto.	20	Lm		
	<i>Carried to Collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Finishes contn'd</u>				
	<u>METAL WORK</u>				
	<u>PURPOSE MADE UNITS</u>				
	<u>Balustrades</u>				
A	1000 mm long, 20mm diameter diameter steel rods, fanged at one end built into concrete, other end welded and ground smooth	21	Sm		
	<u>Handrail and bottom rail and Intermediate rail (All</u>				
B	40 x 4mm thick steel flat welded and ground smooth to balustrades	44	Lm		
	<u>Handrail</u>				
C	100 x 50mm steel handrail on the stairs	8	Lm		
	<u>Painting and Decorations</u>				
	<u>To metal surfaces</u>				
	<u>One coat etching primer; one undercoat; two coats</u>				
D	General surfaces of metal	44	Sm		
	<u>To wood surfaces</u>				
	<u>Knot, prime and stop, prepare and apply three coats</u>				
E	Surfaces of handrail and skirtings over 100mm but	8	Lm		
	<i>Carried to Collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Finishes contn'd</u>				
	<u>Ceiling finishes</u>				
	<u>12mm (minimum) two-coat plaster; 9mm first coat</u>				
A	Concrete soffits	190	Sm		
B	Ditto to sloping soffits of Ramp	4	Sm		
C	Ditto to soffits of landing	3	Sm		
	<u>Prepare and apply three coats of first quality plastic emulsion as CROWN or BASCO PREMIUM paint:</u>				
	<u>On steel trowelled plastered surfaces</u>				
D	Concrete soffits	190	Sm		
E	Ditto to sloping soffits of Ramp	4	Sm		
F	Ditto to soffits of landing	3	Sm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page GF/13				
	From page GF/14				
	From page GF/15				
	From page GF/16 (Above)				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

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PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUPERSTRUCTURE REINFORCED CONCRETE FRAME (RINGBEAMS AND COLUMNS)</u>				
	<u>Insitu concrete; reinforced; class 25/20; vibrated</u>				
A	Beams	8	Cm		
B	Columns	3	Cm		
	<u>Reinforcement (all provisional)</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks of assorted diameter</u>				
C	8mm Diameter	780	Kg		
D	10mm Diameter	0	Kg		
E	12mm Diameter	560	Kg		
F	16mm Diameter	355	Kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
G	To sides and soffits of beams.	95	Sm		
H	Vertical sides of columns	35	Sm		
	TOTAL FOR FRAME CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2 WALLING</u>				
	<u>Natural stone walling; machine-dressed; bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoopiron;</u>				
A	200 mm thick reinforced in every third course	166	Sm		
B	Ditto Gable	30	Sm		
C	Extra over in vent blocks as "CLAY WORKS K. LTD" or other equal and approved at the staircase as directed.	5	Sm		
TOTAL FOR EXTERNAL AND INTERNAL WALLING CARRIED TO SUMMARY					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3 DOORS				
	<u>External Metal Doors</u>				
	<u>Supply, assemble and fix the following steel framed doors to BS7950, including steel plates on both sides;75 x 50 x 3mm thick rebated frame plugged all round and to include hinges and rebated door lock to works officer approval including 300mm high fanlight</u>				
A	Doors overall size 1000 x 2400mm high including 300mm high permanent vent in clear glass.	2	No		
	<u>Glazing</u>				
B	4mm Thick clear sheet glass panes including glass putty to metal doors	1	Sm		
	<u>To concrete or blockwork; fixing with bolts; plugging</u>				
C	Rubber door stop complete with 38 mm rawl bolt.	2	No.		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats of 1st quality gloss oil paint as CROWN or BASCO PREMIUM to:</u>				
D	- General surfaces of doors	10	Sm		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4 WINDOWS</u>				
	<u>Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish</u>				
	<u>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging</u>				
A	Window, overall size 1200 x 1500 mm high as per Architect approval.	8	No		
	<u>Glazing</u>				
B	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	18	Sm		
	<u>Window cill</u>				
C	125 x 20 mm thick quarry tile cill with one curved edge including bedding and pointing in cement and sand (1:3) mortar	15	Lm		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>First Floor windows contn'd</u> <u>Painting and Decorations</u> <u>On Metal work</u> <u>Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -</u>				
	General window surfaces	36	Sm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u> From page FF/o4 From page FF/o5 Above				
	TOTAL WINDOWS CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5 FINISHES</u>				
	<u>Wall finishes</u>				
	<u>Internal wall</u>				
	<u>Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
A	Walls; beams; columns; internal	255	Sm		
	Ditto Reveals and Jambs	5	Sm		
	<u>Painting and decorations</u>				
	<u>Prepare and apply three coats of first quality silk vinyl paint to: -</u>				
B	Plastered surfaces: walls;beams,columns	255	Sm		
C	Ditto Reveals and Jambs	5	Sm		
	<u>External wall finishes</u>				
D	12 × 12mm cement and sand(1:3) mortar horizontal recessed pointing to natural stone walling	156	Sm		
	<u>Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
E	Walls; beams; columns; External	55	Sm		
F	Ditto Gable walling	15	Sm		
G	Ditto Reveals and Jambs	5	Sm		
	<i>Carried to Collection for External wall finishes</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Finishes contn'd</u>				
	<u>Painting and decorations</u>				
	<u>Prepare and apply three coats of first quality silk vinyl paint as CROWN or BASCO PREMIUM to: -</u>				
A	Plastered surfaces: walls;beams,columns	55	Sm		
B	Ditto Gable walling	15	Sm		
C	Ditto Reveals and Jambs	5	Sm		
	<u>Floor finishes</u>				
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
D	25mm thick screed 1:3 cement:sand in woodfloat finish to receive floor tiles (m.s)	189	Sm		
	<u>Approved; local; 450x450mm non-slip; ceramic floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>				
E	8mm Thick to floors level; internal	189	Sm		
F	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	120	Lm		
	<u>METAL WORK</u>				
	<u>PURPOSE MADE UNITS</u>				
	<u>Balustrades</u>				
G	1000 mm long, 20mm diameter diameter steel rods, fanged at one end built into concrete, other end welded and ground smooth	25	Sm		
	<i>Carried to collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Finishes contn'd</u>				
	<u>Handrail and bottom rail and Intermediate rail (</u>				
A	40 x 4mm thick steel flat welded and ground smooth to balustrades	33	Lm		
	<u>Handrail</u>				
B	100 x 50mm steel handrail on the stairs	25	Lm		
	<u>Painting and Decorations</u>				
	<u>To metal surfaces</u>				
	<u>One coat etching primer; one undercoat; two</u>				
C	General surfaces of metal	50	Sm		
	<u>To wood surfaces</u>				
	<u>Knot, prime and stop, prepare and apply three</u>				
D	Surfaces of handrail and skirtings over 100mm but	25	Lm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page FF/6				
	From page FF/7				
	From page FF/8 (Above)				
	c				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
ELEMENT NO. TITLE			PAGE NO.		
1	SUPERSTRUCTURE CONCRETE FRAME		FF/1		
2	EXTERNAL & INTERNAL WALLING		FF/2		
3	DOORS		FF/3		
4	WINDOWS		FF/5		
5	FINISHES		FF/8		
TOTAL FOR FLOOR FLOOR CARRIED TO GRAND SUMMARY					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u> <u>(All Provisional)</u> <u>ROOFING & RAINWATER DISPOSAL</u> <u>All timber to be in Sawn cypress grade II, pressure impregnated and well seasoned. The contractor to allow in his rates for proper joints and connections including scarfed joints and hoop iron as may deem necessary;</u> <u>The following in 12 No. trusses type T₁, raised to a height of 6000mm above ground level;</u>				
A	150 x 50mm rafters	180	Lm		
B	150 x 50mm tie beam	160	Lm		
C	150 x 50mm king post	35	Lm		
D	150 x 50mm struts and ties	245	Lm		
E	150 x 50mm wall plate	75	Lm		
F	100 x 50mm purlins/batterns	325	Lm		
G	Ditto for Under purlins	151	Lm		
	<i>Carried to Collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<i>Roofing cont'd</i> <u>ROOF COVERING</u>				
A	Gauge 30 gauge IT ₄ box profile sheet roof cover fixed to purlins	230	SM		
B	Ditto; ridge capping to match	22	LM		
	<u>Fascia board</u>				
C	250 x 25mm wrought cypress fascia or barge board	44	LM		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats of 1st quality gloss oil paint to: -</u>				
D	Surfaces of Fascia exceeding 200mm but not exceeding 300mm girth externally	44	Lm		
	<u>CEILING FINISHES</u>				
E	12mm Thick Chipboard Ceiling fixed to 50 × 50mm sawn cypress branderling (M.S) at 600mm centers both directions fixed with clout headed nails and set out on symmetrical panels with 'V' Joints	190	Sm		
F	50 x 50mm cypress branderling at 600mm c/c	640	Lm		
	<u>Prime grade wrot cypress timber selected and kept clean:-</u>				
G	100 x 20mm cornice with six labours	120	Lm		
H	Extra Over celotex ceiling for forming removable access trap door size 750 × 750mm with 100 × 25mm sawn treated cypress trimming joists ; 120 × 25mm wrot cedar frame all round and 12mm soft board removable panel set loose on top of framing including painting	2	No		
	<i>Carried to Collection</i>				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<i>Roofing cont'd</i> <u>Prepare and apply three coats of first quality plastic emulsion paint:</u>				
A	Ceiling surfaces	190	Sm		
	<u>RAINWATER GOODS</u>				
B	150mm diameter UPVC gutter fixed to fascia with and including approved holderbats at 1500mm c/c	44	Lm		
C	Ditto stopped end	4	No		
D	100mm diameter UPVC down pipe fixed to wall with and including approved holderbats at 1500mm c/c	24	Lm		
E	Extra over for swan neck	4	No		
F	Ditto horse shoe	4	No		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
1	From Page RL/1				
2	From Page RL/2				
3	From Page RL.3 Above				
	TOTAL FOR ROOF LEVEL CARRIED TO GRAND SUMMARY				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
ELEMENT NO. TITLE			PAGE NO.		
1	GROUND FLOOR		GF/19		
2	FIRST FLOOR		FF/9		
3	ROOF LEVEL		RL/3		
TOTAL FOR BUILDERS WORK CARRIED TO GRAND SUMMARY					

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	Supply, Install , Test and commission the following;				
1	POWER INTAKE				
1.1	4-way CCU as TRONIC, HAVELLS or other approved equivalent	2	No		
1.2	SP MCB as Tronic, Havells or other approved equivalent for the item above				
	(i) 6A	6	No		
	(ii) 30A	2	No		
1.3	16-gauge standard weatherproof cable looping box c/w 80/100A double fused cut-out	1	No.		
2	LIGHTING POINTS, SWITCHING & FITTINGS				
2.1	Lighting points for 1-way switching wired with 1.5mm ² PVC single core cables drawn into concealed 20mm dia H/G conduits and all the necessary accessories				
	(i) 1-way switching	14	No		
	(ii) 2-way switching	2	No		
2.2	10A Lighting switches as Crabtree or other approved equivalent				
	(i) 1-gang 2-Way	2	No		
	(ii) 2-gang 2-way	2	No		
2.3	18W, 1200mm LED single fluorescent fitting c/w tube	14	No		
2.4	Glass Bulk head fitting complete with 9W LED energy saver bulb	2	No		
3	POWERPOINTS				
3.1	Powerpoints wired using 3 X 2.5mm ² PVC single core cables as E/A cables drawn into concealed 20mm dia H/G conduits including all the necessary accessories	2	No		
3.2	13A double S/Outlet as crabtree or Metallic plates	2	No		
	SUB-TOTAL				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
4	CABLES				
4.1	Sub-mains to be wired using 3 X 6.0mm ² pvc single core EA cables drawn into concealed 25mm dia H/G conduits from the looping box to the CCU	135	LM		
4.2	10 sq. mm SWA 2-core E/Africa copper cable	36	LM		
5	RELATED WORKS				
5.1	Trenching, cable laying, backfilling and erection of concrete cable route markers marked as "DANGER CABLE"	33	LM		
5.2	Prepare a 900 x 900mm pure copper earth lattice mat buried in 900mm deep earth pit completely bonded to the power intake c/w all other accessories	1	Item		
6	LIGHTING ARRESTORS				
6.1	25mm x 4mm copper tape down conductor supported under roof ridge at 1.00mm intervals including junction clamps	35	Lm		
6.2	Galvanized steel conduit 32mm diameter	35	Lm		
6.3	Approved test clamps as FURST	3	No		
6.4	Air termination (600mm long pure copper with spikes) mounted on brackets as FURSE	1	No		
7	<u>FIRE FIGHTING:</u>				
7.1	9 litre H ₂ O/CO ₂ portable fire extinguishers	2	No		
7.2	5kg CO ₂ gas portable fire extinguishers	2	No		
7.3	Emergency fire exists signs	2	No		
	SUB-TOTAL				
	SUMMARY PAGE				
	SUB- TOTAL FROM PAGE 1				
	SUB- TOTAL FROM PAGE 2 Above				
	TOTAL FOR ELECTRICAL WORKS				

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

ITEM	DESCRIPTION	QTY	UNIT		AMOUNT
A	<u>PRIME COSTS & PROVISIONAL SUMS</u> <u>PRIME COSTS</u> <u>Prime Cost sums for works to be executed by nominated subcontractors</u> Allow a provisional sum of Two Hundred and Seventy Five Thousand Kenya Shillings (Kshs 275,000.00) only for Project Documentation and Supervision.		ITEM		275,000.00
B	Allow a provisional sum of Ten Thousand Kenya Shillings (Kshs 10,000.00) only for labeling and signboard.		ITEM		10,000.00
C	Allow a provisional sum of Two Hundred and Seventy Five Thousand Kenya Shillings (Kshs 275,000.00) only for PMC.		ITEM		275,000.00
	TOTAL FOR P.C. & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				560,000.00

PROPOSED CLASSROOMS BLOCK AT ISAANGWA PRIMARY SCHOOL

<u>PROPOSED CONSTRUCTION OF STOREY CLASSROOM</u> <u>BLOCK AT ISAANGWA PRIMARY SCHOOL</u>			
WP ITEM NO.			
<u>GRAND SUMMARY</u>			
ITEM	DESCRIPTION	TENDERERS AMOUNT	OFFICIAL USE
1	Particular Preliminaries from pg		
2	General Preliminaries from pg		
3	Construction of classroom Block from Summary of Builders works		
4	Electrical works		
5	Provisional Sums from page Ps 1	560,000.00	
	Sub total		
6	Add 0.03% for Public Procurement Capacity Building Levy order 2023 (The levy order 2023)		
	TOTAL CARRIED TO FORM OF TENDER		

Amount of tender in words: Kenya Shilings.....

.....

Tenderer's signature and stamp.....

Address.....

Date.... ,

Witness: Name and signature.....

Description.....

Address.....

Date.....

GSI