REPUBLIC OF KENYA

MINISTRY OF PUBLIC WORKS, ROADS, TRANSPORT AND ENERGY

PROPOSED RENOVATION

OF

4NO. CLASSROOM BLOCK

AT

BARASENGO PRIMARY SCHOOL

SUNA WEST SUB –COUNTY

BILL OF QUANTITIES

SUB COUNTY WORKS OFFICER
MINISTRY OF P.W.R.T & E
P.O.BOX 265
MIGORI

BARASENGO PRIMARY SCHOOL
P.O BOX 930 - 40400
SUNA - MIGORI

FY 2026-2027

SPECIFICATIONS

1. GENERALLY

a. All work to be carried out in accordance with the Ministry of Public Works General Specifications for Building Works issued in 1976 or as qualified or amended.

2. MANUFACTURERS' NAMES

a. Where manufacturers' names and catalogue references are given for guidance to quality and standard only, alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.

3. WALLING

a. All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Public Works "Specification for Metric Sized Concrete Blocks for Building (1972)"

b. Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.

c. Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

4. CARPENTRY

a. The grading rules for cypress shall be the same as for pod carpus and all timber used for structural work shall be select (second grade).

b. All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

c. Prices must also include for all nails and fasteners.

5. JOINERY

a. Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.

b. Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

c. Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

d. Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

e. Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.

6. IRONMONGERY

a. Ironmongery shall be as specified in the Bills of Quantities or equal and approved.

b. Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or block work.

c. Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal quality, he must inform the Project Manager and obtain approval in writing.

7. STRUCTURAL STEELWORK

a. All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

8. PLASTERWORK AND OTHER FINISHES

a. All finishing's shall be as described in the general specifications and in these Bills of Quantities.

b. Prices for paving's are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.

c. Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.

9. GLAZING

a. Where polished plate glass is specified, this refers to general glazing quality.

b. Prices for glazing shall include for priming of rebates before placing putty.

c. The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect conditions

10.PAINTING

d. All paint shall be 1st quality "Crown" or other equal and approved

e. Painting shall be applied in accordance with the manufacturers' instructions.

f. Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

4NO. CLASSROOMS

MEASURED WORKS.

PROPOSED RENOVATION OF 4NO CLASSROOMS AT BARASENGO PRI. SCHOOL. **BILL OF QUANTITIES**

BILL NO. 1: SUB STRUCTURE

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Plinth area finishes				
A	12mm thick cement sand [1:3] wood float render to plinth area.	Sm	84		
B	Prepared and apply three coats of bituminous black paint to rendered plinth area.	Sm	84		
C	**Vibrate Reinforced Concrete class 20/20-1:2:4 as described to:**				
	150 mm thick floor slab	Sm	46		
	Flooring				
D	25mm thick floor screed fairly finished with a trowel	Sm	56		
	Total for Bill No. 1 Substructures carried forward to summary page				

BILL NO.2: WINDOWS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Supply and fix the following ex-shaped purpose made welded mild steel casement windows comprising of standard Z-section framing including all couping mullions and/or transoms metal gauze permanent vents complete with approved fasteners and stays as described in:				
A	1200 X 1000 mm high	No	12		
	Window Cill				
B	100 × 150 mm Clay tile window cill bended in cement and sand [1:3] mortar	Lm	19		
	Glazing				
	3 mm thick clear sheet glass in metal putty in:				
C	Panes exceeding.0. 50sq.metre but not exceeding 1.0sq.metre	Sm	24		
	Prepare and apply one undercoat and two finishing gloss oil paint to:				
D	General surface of metal [windows] internally	Sm	14		
E	General surface of metal [windows] externally	Sm	14		
	Total for Bill No. 2 windows carried forward to summary page				

BILL NO .3: DOORS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Steel Doors complete with door locks and all the accessories				
A	900×2100 mm high single leaf door to details	No	4		
	3 mm thick clear sheet glass in metal putty in:				
B	Panes exceeding. 50sq.metre but not exceeding 1.0sq.metre	Sm	2		
	Prepare and apply three coats of super gloss oil paint on :				
C	General surfaces of metal doors internally and externally	Sm	2		
	Total for Bill No 3. Doors carried to summary page				

BILL NO.4:PLASTERING AND PAINTING

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Painting and decoration				
	Prepare and apply one undercoat and two finishing coats of silk vinyl emulsion paint on:				
A	Rendered surfaces	Sm	122		
	INTERNAL AND EXTERNAL WALL FINISHES (PLASTERING AND RENDERING)				
	15 mm thick cement sand plaster (1:4) finished smooth with steel trowel as described:				
B	Walls internally	Sm	154		
C	Walls externally	Sm	122		
	Paintings and decoration				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint on:				
D	Plastered surfaces	Sm	154		
E	Blackboard	Sm	18		
	Prepare and apply one undercoat and two finishing coats of bitumistic paint to black board on:				
F	Plastered chalkboard surfaces	Sm	18		
	Total for Bill No.4;Plastering and Painting carried forward to summary page				

SUB TOTAL PAGE

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	SUB STRUCTURE				
B	WINDOWS				
C	DOORS				
D	PLASTERING AND PAINTING				
	TOTAL CARRIED TO GRAND SUMMARY				

PROPOSED RENOVATION OF 4NO CLASSROOMS AT BARASENGO PRI. SCHOOL. **BILL OF QUANTITIES**

GENERAL GRAND SUMMARY PAGE

ITEM	DESCRIPTION	PAGE	CONTRACTOR 'S SUM KSHS.	CTS	OFFICIAL USE KSHS	CTS
1.	**TOTAL FOR MEASURED WORKS**	**5**				
2.	ADMIN ALLOWANCE		25,000			
3.	SIGN POST BRANDING AND NG-CDF LOGO		13,000			
	SUB TOTAL					
	ADD 16% VAT					
	GRAND TOTAL					

AMOUNT IN WORDS (KSHS) .

CONTRACTOR……..

SIGNATURE……STAMP…….DATE…….

WITNESS……..SIGNATURE……..DATE…….

G.S.