CONFIDENTIAL

TENDER No.:

**National Government Constituencies Development Fund Kuria West Constituency**

# TENDER DOCUMENT BILLS OF QUANTITIES AND SPECIFICATIONS FOR PROPOSED RENOVATION AND COMPLETION OF 1 NO CLASSROOMG AT

## SAGEGI PRIMARY SCHOOL

**PREPARED BY:**
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**Issued By:-**
**The Fund Account Manager,**
**NATIONAL GOVERNMENT CONSTITUENCY DEVELOPMENT FUND KURIA WEST CONSTITUENCY**

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT 01** | | | | |
| | **SUBSTRUCTURES {ALL PROVISIONAL}** | | | | |
| | **Site Preparation** | | | | |
| A | Clear site of grass, bushes, shrubs and small trees including grubbing up roots, burn or cart away arisings. | 98 | SM | 50 | 4,900 |
| | **Excavations And Earthworks:** | | | | |
| B | Mass excavation commencing from stripped level depth not exceeding 1.5 metres to reduce level and cart away as directed by the project manager. | | SM | | 0 |
| C | Excavate trench for strip footing not exceeding 1.50 metres deep commencing at reduced levels. | | CM | | 0 |
| D | Extra over excavation in rocks irrespective of class | | CM | | 0 |
| | **Disposal:** | | | | |
| E | Load and cart away extra excavated materials from site. | | CM | | 0 |
| | **Filling** | | | | |
| F | Return fill and well ram around foundation. | | CM | | 0 |
| G | 300mm Thick Approved hand packed hardcore: compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer. 43 | | CM | | 0 |
| H | Approved Imported murram fillings to make up levels : compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer. | | SM | | 0 |
| | **Anti-Termite Treatment:** | | | | |
| I | Insecticide treatment on top of hardcore filling and over foundation walls applied as per manufacturer's instruction with a 10 year guarantee . | 85 | SM | 100 | 8,500 |
| | **Carried to collection page……...** | | | | **13,400** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO. 1 CONTD` | | | | |
| | **Concrete Works:** | | | | |
| | **Mass concrete mix 1:4:8 as described in** | | | | |
| A | Hack flow and cartaway the debris | | SM | | - |
| | **Reinforcement concrete class 20/20 as described in:-** | | | | |
| B | 200mm strip foundations | | CM | | |
| C | 150mm thick floor slab | | SM | | - |
| | Sawn formwork as described to:- | | | | |
| D | Sides of floor slab | 0 | LM | 0 | - |
| | Foundation walling | | | | |
| E | 200mm thick undressed natural stone walling in cement sand mortar | 0 | SM | 0 | - |
| | **Carried to collection page……...** | | | | **-** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO. 1 CONTD`** | | | | |
| | **BRC** | | | | |
| A | BRC fabric mesh A142 reinforcements to BS 4483 in floor slab. | 98 | SM | 500 | 49,000 |
| | **Damp proofing** | | | | |
| B | 500gauge polythene sheet damp proof membrane | 98 | SM | 100 | 9,800 |
| C | 200mm wide hessian based bituminous damp proof course. | | | | |
| | **Floor finish** | | | | |
| D | 25mm cement sand screed, well twoled and rendered with red oxide. | 91 | SM | 800 | 72,800 |
| F | 300x300x50mm thick non slip ceramic floor tiles. | | SM | | 0 |
| G | 75mm high tiled skirting | | LM | | 0 |
| | **Plinth finishes** | | | | |
| H | 12mm cement sand render on plinths | 12 | SM | 350 | 4,200 |
| I | Prepare and apply two coats black bituminous paint on plinths | 12 | SM | 200 | 2,400 |
| | **Carried to collection page……...** | | | | **138,200** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO 1:<br>SUBSTRACTURE | | | | |
| | **COLLECTION** | | | | |
| A | Brought forward from page 1 | | | | 13,400.00 |
| B | Brought forward from page 2 | | | | - |
| C | Brought forward from page 3 | | | | 138,200.00 |
| | **TOTAL ELEMEMT NO.1 SUBSTRACTURE** | | | | **151,600.00** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO.2<br>WALLING | | | | |
| | **Reinforced concrete class 20/20 as described in:-** | | | | |
| A | Ring beam and column | | CM | | - |
| | **Sawn formwork as described to:-** | | | | |
| B | Sides of beam and column, beam, soffit | | SM | | - |
| C | Soffit of beam | | LM | | - |
| | High yield square twisted bars to BS 4461 | | | | |
| D | 12mm bars in ring beam and coloumns | | KG | | - |
| E | 8mm bars ditto | | KG | | - |
| | **Natural machine cut stone walling externally in cement sand mortar (1:4) reinforced with hoopiron in** | | | | |
| F | 200mm thick | | SM | | - |
| G | Ditto Gable ends | 21 | SM | 1700 | 35,700.00 |
| H | 100mm diameter steel hollow tubes | 2 | NO | 4000 | 8,000.00 |
| | ***Wall finishes*** | | | | |
| J | 12mm cement sand plaster to walls internally | 96 | SM | 300 | 28,800.00 |
| K | Fair racking and cutting and forming semi recessed horizontal joints to walls externally. | 72 | SM | 250 | 18,000.00 |
| | ***Prepare and apply one undercoat and two coats of sylk vynil paint to;*** | | | | |
| L | Plastered walls | 96 | SM | 300 | 28,800.00 |
| | Prepare and apply one undercoat and two coats of emulsion paint to; | | | | |
| M | Rendered walls | 96 | SM | 300 | 28,800.00 |
| | TOTAL ELEMEMT NO.2 WALLING | | | | **148,100** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ELEMENT NO. 3** | | | | |
| | ROOFING | | | | |
| | **The following to be sawn cypress timber in Roof structure including hoisting and placing** | | | | |
| | (All in first grade cypress well treated with good wood preservative). | | | | |
| A | 100 x 50mm rafters | 84 | LM | 170 | 14,280.00 |
| B | 150 x 50mm tie beam | 69 | LM | 170 | 11,730.00 |
| C | 100 x 50mm ties & struts | 86 | LM | 170 | 14,620.00 |
| D | 150x50mm king post | 14 | LM | 170 | 2,380.00 |
| E | 100 x 50mm wall plate bolted | 30 | LM | 170 | 5,100.00 |
| F | 75 x 50mm purlins | 150 | LM | 150 | 22,500.00 |
| G | 225 x 25mm facia board | 45 | LM | 200 | 9,000.00 |
| | *Roof covering* | | | | |
| H | 30 gauge Factory painted corrugated galvanized iron sheet | 90 | SM | 1700 | 153,000.00 |
| I | 30 gauge factory painted ridge caps | 11 | LM | 500 | 5,500.00 |
| | Prepare and apply one undercoat and two coats of gloss paint to :- | | | | |
| J | Fascia board | 28 | SM | 300 | 8,400.00 |
| | **TOTAL ELEMEMT NO.3 ROOFING** | | | | **246,510.00** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO.4<br><br>WINDOWS | | | | |
| A | Purpose made steel casement window size 1500 x 1200mm high complete with and including locking and fixing accessories andprimed once in black oxide. | 3 | No | 7000 | 21,000.00 |
| B | Ditto but size 1500x900mm | 2 | No | 5000 | 10,000.00 |
| C | **4mm thick clear sheet glass and glazing in**<br>Panes 0-0.5m2 with putty | 8 | Sm | 800 | 6,400.00 |
| D | **Window cill**<br>Insitu cast concrete (1:2:4) window cill size 200 x 50mm, once sunk weathered and throated | 9 | Lm | 700 | 6,300.00 |
| | **Prepare and apply one undercoat and two coats gloss oil paint;-** | | | | |
| E | Steel surfaces | 8 | SM | 300 | 2,400.00 |
| | TOTAL ELEMEMT NO.4 WINDOWS | | | | **46,100** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO. 5 | | | | |
| | **DOORS** | | | | |
| A | 1200 x 2100 mm standard steel casement door in double leaf complete with 50x50x3mm fixed angle frame size (2100mm high including 1200mm middle rail for 300mm high fanlight) complete with 2.5mm chequered plate built into panel, 3x200mm lockable tower bolt,hinges,one black oxide coat primer assembled and fixed to opening including cutting & pinning lugs & bedded in cement sand mortar (1:4) to brick wall | 1 | NO | 12000 | 12,000.00 |
| B | **4mm thick clear sheet glass and glazing in** panes 0-0.5m2 with putty | 1 | SM | 1000 | 1,000.00 |
| | **TOTAL ELEMENTS NO. 5 DOORS** | | | | **13,000** |

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| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO. 6<br>EXTERNAL WORKS | | | | |
| | **Paving slab** | | | | |
| A | 600x600x50mm thick insitu concrete ( 1:2:4) paving slabs on 100mm thick compacted murram bed | 25 | SM | 1500 | 37,500 |
| | TOTAL ELEMENTS NO. 6<br>EXTERNAL WORKS | | | | **37,500** |

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| ITEM | DESCRIPTION | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|
| | ELEMENT NO. 7 | | | | |
| | ELECTRICAL INSTALLATIONS | | | | |
| 1 | **Supply, install,test and commission the following:** | | | | |
| 1.01 | **LIGHTING** | | | | |
| A | Lighting points comprising wiring in 3x1.5mm2 Single Core PVC insulated copper cables drawn in concealed 20mm diameter HG PVC conduits complete with all necessary accessories but excluding switches for:- one way switching | 10 | No. | 200 | 2,000.00 |
| 1.02 | **10amps moulded white switch plate as MK or equal and approved** | | | | |
| A | 2 gang 1 way | 1 | No. | 500 | 500.00 |
| 1.03 | **LIGHTING FITTINGS** | | | | |
| A | 1200mm 1x36w florescent battern fitting or slim cross section with clip on cover plate and adjustable end cap system as Thorn Popular Pack battern or approved equivalent. | 8 | No | 1500 | 12,000.00 |
| B | Bulkhead fitting with aluminium body on thorn or approved equivalent complete with 18watts energy saving lamp. | 2 | No | 500 | 1,000.00 |
| 2.01 | **POWER INSTALLATIONS** | | | | |
| A | Ring mains socket outlets comprising wiring in 3x2.5mm sq. single core PVC insulated copper cables drawn in concealed 25 mm diameter Heavy Gauge PVC conduits complete with all the necessary accessories. | 1 | No | 500 | 500.00 |
| B | 13A Twin switched white moulded case socket outlet plates as MK, Clipsal, BG, Crabtree oran approved equivalent. | 1 | No | 200 | 200.00 |
| 2.02 | **CONSUMER UNIT AND MCB's** | | | | |
| A | 4 way 63A SPN Consumer Unit as Schneider or an approved equivalent | 1 | No. | 4000 | 4,000.00 |
| B | 10 Amps SP | 1 | No. | 500 | 500.00 |
| C | 20 Amps SP | 1 | No. | 500 | 500.00 |
| 3.03 | **SUB-MAIN CABLING** | | | | |
| A | 4x6mm2 single core PVC insulated copper cables in 50mmØ concealed HG PVC conduits complete with appropriate cable glands and any other necessary accessory | 4 | LM | 600 | 2,400.00 |
| 3.04 | **EARTHING** | | | | |
| A | Earthing system Comprising Driving Stud and Earth Electrode Rod | 1 | No | 1000 | 1,000.00 |
| | **TOTAL ELEMENT NO. 7 ELECTRICAL WORKS** | | | | **24,600.00** |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**


| ITEM | DESCRIPTION | PAGE | AMOUNT |
|---|---|---|---|
| 1 | SUBSTRUCTURE | 4 | 151,600.00 |
| 2 | WALLING | 5 | 148,100.00 |
| 3 | ROOFING | 6 | 246,510.00 |
| 4 | WINDOWS | 7 | 46,100.00 |
| 5 | DOORS | 8 | 13,000.00 |
| 6 | EXTERNAL WORKS | 9 | 37,500.00 |
| 7 | ELECTRICAL INSTALLATIONS | 10 | 24,600.00 |
| | TOTAL FOR BUILDERS WORKS FOR CONSTRUCTION OF 1NO. CLASSROOM | | 667,410.0 |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

| ITEM | DESCRIPTION | PAGE | AMOUNT |
|---|---|---|---|
| | PROVISIONAL SUMS | | |
| A | ALLOW 3% PROVISIONAL SUM FOR PROJECT MANAGEMENT AND SUPERVISION | | 22,541.79 |
| B | ALLOW 5% FOR PROJECT MANAGEMENT COMMITTEE(PMC) | | 37,569.65 |
| C | ALLOW FOR BILLBOARD AND BRANDING | | 8,000.00 |
| D | ALLOW 0.03% FOR CAPACITY BUILDING | | 225.42 |
| | PRIME COST (PC) & PROVISIONAL SUM CARRIED FORWARD TO COLLECTION PAGE | | 68,336.86 |

**PROPOSED CONSTRUCTION TO COMPLETION OF 1NO. CLASSROOM WITH TILES AT BOGAMBERO PRIMARY SCHOOL**

# GENERAL GRAND SUMMARY PAGE

| ITEM | DESCRIPTION | AMOUNT |
|---|---|---|
| 1 | PRELIMINARIES | NILL |
| 2 | BUILDERS WORKS | 667,410 |
| 3 | PRIME COST & PROVISIONAL SUM | 68336.8579 |
| | SUB TOTAL | 735,746.86 |
| 4 | ADD 16% VAT | |
| | GRAND TOTAL FOR PROPOSED CONSTRUCTION OF 1NO. CLASSROOM | 735,747 |

AMOUNT IN WORDS : .....

.....

MAIN CONTRACTOR.....

.....

ADDRESS.....

SIGNATURE.....

DATE.....

WITNESS

NAME.....

SIGNATURE.....

DATE.....