CONFIDENTIAL

TENDER No.:

National Government Constituencies Development Fund Kuria West Constituency

TENDER DOCUMENT BILLS OF QUANTITIES AND SPECIFICATIONS FOR PROPOSED CONSTRUCTION OF 8 DOORS PIT LATRINE WITH 2 CATERING FOR PWD AT

NYABIRONGO MIXED PRIMARY SCHOOL

PREPARED BY:
COUNTY STRUCTURAL ENGINEER,
P.O BOX 195-40400, MIGORI COUNTY,

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

PROPOSED CONSTRUCTION TO COMPLETION OF 8 DOORS PIT LATRINE WITH 2 CHAMBERS FOR PWD AT NYABIRONGO MIXED PRI SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 01 SUBSTRUCTURES {ALL PROVISIONAL}				
	Site Preparation				
A	Clear site of grass, bushes, shrubs and small trees not exceeding 300mm girth including grubbing up roots, burn or cart away arisings.	40	SM		
	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.	13	CM		
C	Excavate for strip foundation to a depth not exceeding 1.5m from ground level, cart away as will be directed.	18	CM		
D	Extra over excavation in rocks irrespective of class upto 10 metres	120	CM		
	Disposal:				
E	Remove and Cart away excess materials as directed	30	CM		
	Filling				
F	300mm Thick Approved hand packed hardcore: compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer. 43		CM		
G	Approved Imported murram fillings to make up levels : compacted in layers not exceeding 150mm Thick : to the satisfaction of the Structural Engineer.	0	SM		
	Anti-Termite Treatment:				
H	Insecticide treatment on top of hardcore filling and over foundation walls applied as per manufacturer's instruction with a 10 year guarantee .	40	SM		
	Concrete Works:				
	Mass concrete mix 1:4:8 as described in				
I	50mm blinding bottoms of trenches	0.6	CM		
	Reinforcement concrete class 20/20 as described in:-				
J	200mm strip foundations	1.5	CM		
K	150mm thick floor slab	32	SM		
L	100mm diameter 3000mm long vent P.V.C. vent pipe complete with vent cowl.	1	NO		
	Carried to collection page.....				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 01 CONTD **SUBSTRUCTURES**				
	Damp proofing				
M	500gauge polythene sheet damp proof membrane	16	SM		
N	200mm wide hessian based bituminous damp proof course.	26	LM		
	Floor finish				
O	25mm cement sand screed	32	SM		
P	300x300x50mm thick non slip ceramic floor tiles.	0	SM		
Q	75mm high tiled skirting	0	LM		
	Plinth finishes				
R	12mm cement sand render on plinths	5.6	SM		
S	Prepare and apply two coats black bituminous paint on plinths	5.6	SM		
	Sawn formwork as described to:-				
T	Sides of Slab	11	SM		
	High yield square twisted bars to BS 4461 **(All provisional)** **Supply and fix steel bar reinforcement including bending,hooking, tying wire, cutting spacers and supporting all inposition**				
U	10mm to strip foundation	28	KG		
V	8mm to strip foundation	36	KG		
W	12mm in beams	16	KG		
X	8mm in beams	40	KG		
	Foundation walling				
Y	200mm thick undressed natural stone walling in cement sand mortar	3	CM		
	Carried to collection page.....				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 1: SUBSTRACTURE **COLLECTION**				
A	Brought forward from page 10				-
B	Brought forward from page 11				-
	TOTAL ELEMEMT NO.1 SUBSTRACTURE				-

PROPOSED CONSTRUCTION TO COMPLETION OF 8 DOORS PIT LATRINE WITH 2 CHAMBERS FOR PWD AT NYABIRONGO MIXED PRI SCHOOL

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2 SUPER STRUCTURE WORKS				
	WALLING				
A	Hard dressed natural quarry stone walling bedded and jointed in cement and sand (1:4) mortar with recessed vertical and horizontal joints externally reinforced with hoop iron at every alternate course	78	SM		
B	**Ditto gable ends.**	3	SM		
C	Ditto for screen wall with Louvers	6	SM		
	ROOFING				
D	100x50mm timber truss and common rafters	54	LM		
E	75x50 purlins	46	LM		
F	200x25 Fascia board	18	LM		
G	28 gauge factory painted corrugated galvanised sheets	29	SM		
	WALL FINISH				
H	12mm thick cement sand plaster to external wall	62	SM		
I	Ditto but internal wall	60	SM		
	Supply and fix ceramic wall tiles, complete with sand and cement backings to:				
J	Wall tiles to a height of 1.5m (Bathroom/urinal/whb areas)	29	SM		
	DOORS				
K	45mm thick framed ledged and braced matherboard door size 750x2100mm High	8	NO		
L	45mm thick framed ledged and braced matherboard door size 850x2100mm High	8	NO		
M	45x95mm hardwood door frame once rebated.	67	LM		
	Carried to collection page.....				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2 CONTD				
	IRON MONGERY				
N	150mm long pad bolt	8	No		
O	100mm pressed steel butt hinges	19	No		
P	150mm long barrel bolt	8	No		
	PAINTING.				
	Prepare and apply one undercoat and two coats gloss oil paint to:-				
Q	Plastered Internal walls.	48	SM		
R	Plastered external walls.	50	SM		
	Prime only back of frames				
S	Surfaces 75-150mm girth	6.4	LM		
	Knot prime stop and two coats gloss oil paint:-				
T	Doors overally	14	SM		
	Carried to collection page.....				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 2: SUPER STRUCTURE WORKS **COLLECTION**				
A	Brought forward from page 13				-
B	Brought forward from page 14				-
	TOTAL ELEMEMT NO.2 SUPER STRUCTURE				-

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3 **PLUMBING WORKS** **Water Closet (WC) Suite**				
A	Close-coupled WC suite ('S' or 'turned P'-trap) in approved colour as Ideal Standards complete with outlet to BS 3402 with 6 litre valveless low level ceramic cistern and fittings including siphon, 15mm diameter bottom inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, chrome-plated lever and heavy plastic seat and cover	0	No		
B	**Wash Hand Basin (WHB)** Countertop wash hand basin with one tap holes and chain stay hole, 32mm diameter chrome plated pop up chain waste, chrome plated single lever mixer pillar tap as Tivoli Kevon mixer pillar tap 100 and plastic bottle trap (32mm 'P' trap) with 75mm seal.	2	No		
C	**PWD Latrine Grab Rails** (Stainless Steel, 32mm diameter, 800mm-900mm high, mounted on both sides of the latrine, with corrosion-resistant finish, fixed securely to the wall)	2	No		
D	**Urinals** Supply, deliver, and install wall-hung ceramic urinals including 15 mm inlet control valve, flush pipe connection, and waste outlet to 40 mm PVC waste pipe.The bowl shall be as TwyfordComplete with wall brackets and fixing bolts				
E	**Shower Units** Supply, deliver, and install chrome-plated cold water shower set comprising stop valve, riser pipe, and shower rose. Complete with connection to 15 mm cold water supply line				
	Internal Plumbing Works				
	Carried to collection page.....				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3 CONTD				
	INTERNAL PLUMBING WORKS				
	Cold Water Supply				
	PPR Pipes				
F	25mm diameter pipework	38	Lm		
G	15 mm diameter pipework	24	Lm		
	Bends				
H	25mm diameter bend	12	No.		
I	15mm diameter bend	10	No.		
	INTERNAL FOUL WATER DRAINAGE				
	MuPVC and uPVC Waste and Soil pipework				
J	100mm diameter heavy gauge grey UPVC pipe		Lm		
K	50mm diameter waste pipe		Lm		
L	40mm diameter waste pipe		Lm		
	Bends				
M	100mm diameter sweep bend	1	No.		
N	40mm diameter sweep bend	4	No.		
	WC Connectors				
O	100mm diameter WC connector		No.		
	Access Caps				
P	40mm diameter access cap	2	No.		
	Floor Traps				
Q	100 x 50 x 40 mm diameter 4-way Light Grey floor trap complete with grating.		No.		
	Gully trap				
R	Gully trap chamber size 250 x 250mm, approximately 400mm deep in 150mm block work with cement mortar joints, on 150mm thick mass concrete slab, and plastered inside, for 100mm trap and hopper. 40mm thick , 250 x 250mm p.c.c. cover to gully trap chamber and provided with 40mm ventilating hole.		No.		
	Inspection Chambers				
S	Inspection chambers Built in masonry walling and with heavy duty mild steel, air-tight cover.		No.		
	Carried to collection page.....				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 3: PLUMBING WORKS **COLLECTION**				
A	Brought forward from page 7				-
B	Brought forward from page 8				-
C	Brought forward from page 9				
D	Brought forward from page 11				
	TOTAL ELEMEMT NO.3 PLUMBING				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4				
	ELECTRICAL INSTALLATIONS				
	Supply, install,test and commission the following:				
	LIGHTING				
	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:-				
A	one way switching	8	No.		
	10amps moulded white switch plate as MK or equal and approved				
B	1 gang 1 way	3	No.		
C	2 gang 1 way	2	No.		
	LIGHTING FITTINGS				
D	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.	4	No		
E	Glass globe ceiling light complete with 7W LED bulb as LYONS)	2	No		
F	Bulkhead fitting with aluminium body on thorn or approved equivalent complete with 18watts energy saving lamp.	2	No		
	SUB-MAIN CABLING				
G	Supply, install, and connect 3-core × 2.5 mm² (or 4.0 mm² if future load expected) copper armoured PVC-insulated and sheathed electrical cable for sub-main supply to the toilet and bathroom block.	1	ITEM		
	CONSUMER UNITS				
H	2-way 63A SPN Consumer Unit as Schneider or an approved equivalent Complete with 2 pole main switch,	No.	1		
	MCBs for the above items :-				
I	10 Amps SP	No.	2		
J	32 Amps SP	No.	1		
K	Pump power outlet points wired in 3 x 4.0sq mm PVC single core copper cables drawn in 20mm H/G PVC conduits concealed in wall and floor slab complete with all accessories but excluding the isolator	No	1		
L	32A SPN DP Switch with LED indicator lamp as MK Logic or approved equal for the above	No	1		
	TOTAL ELEMENT NO. 4 ELECTRICAL WORKS				

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ITEM	DESCRIPTION	PAGE	AMOUNT
1	SUBSTRUCTURE	3	-
2	SUPER STRUCTURE	6	-
3	PLUMBING AND DRAINAGE	11	-
4	ELECTRICAL WORKS	12	-
	TOTAL FOR BUILDERS WORKS FOR GRAND TOTAL FOR PROPOSED PROPOSED CONSTRUCTION OF 2 DOOR TOILETS WITH ONE CHAMBER CATERING FOR PWD AND 2 DOOR BATHROOMS		-

PROPOSED CONSTRUCTION TO COMPLETION OF 8 DOORS PIT LATRINE WITH 2 CHAMBERS FOR PWD AT NYABIRONGO MIXED PRI SCHOOL

ITEM	DESCRIPTION	PAGE	AMOUNT
	PROVISIONAL SUMS		
A	ALLOW 3% PROVISIONAL SUM FOR PROJECT MANAGEMENT AND SUPERVISION		24,000
B	ALLOW 5% FOR PROJECT MANAGEMENT COMMITTEE(PMC)		40,000
C	ALLOW FOR BILLBOARD AND BRANDING		8,000
D	ALLOW 0.03 % FOR CAPACITY BUILDING LEVY		240
	PRIME COST (PC) & PROVISIONAL SUM CARRIED FORWARD TO COLLECTION PAGE		**72,240**

GENERAL GRAND SUMMARY PAGE

ITEM	DESCRIPTION	AMOUNT
1	BUILDERS WORKS	-
2	PRIME COST & PROVISIONAL SUM	72,240
	SUB TOTAL	
3	ADD 16% VAT	
	GRAND TOTAL FOR PROPOSED CONSTRUCTION OF 8 DOOR PIT LATRINES WITH TWO CHAMBER CATERING FOR PWD	

AMOUNT IN WORDS : .....

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MAIN CONTRACTOR.....

.....

ADDRESS.....

SIGNATURE.....

DATE.....

WITNESS

NAME.....

SIGNATURE.....

DATE.....