

**ANNEX 'A' TO
CONSTRUCTION CONTRACT
SINGLE LANE BRIDGE**

BILL OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
1	PRELIMINARY AND GENERAL BPLM3M005		
1.0	Contractors Site Mobilisation	Lump Sum	1.00
1.1	Provision of surveyor and survey Equipment (To do Topographic Survey of the area)	Lump Sum	1.00
1.2	Allow provision of laboratory test (Slump test and Compressive test, field test)	Lump Sum	1.00
1.3	Demolition of existing Bridge including disposal	Lump sum	1.00
1.4	Provision of Project Sign posts	Lump sum	2.00
1.5	Allow Provision of Traffic accommodation (Road signs eg Men working ahead)	Lump sum	1.00
1.6	Allow Provision of detour and maintaining it in good shape to allow for Cyclist and Pedestrians only	Lump sum	1.00
1.7	Allow Provision a Comprehensive health and safety Plan together Environmental plan	Lump sum	1.00
1.8	Allow relocation of utility services ie Water board pipes, Electricity poles MTL Poles etc	Lump sum	1.00
TOTAL ITEM 1 CARRIED TO SUMMARY		Lump sum	30% of P & G

ITEM	DESCRIPTION	UNIT	Quantity
2	SUBSTRUCTURAL WORKS		
2.0	Bush Clearing	m2	250.00
2.10	Setting out timber profile in readiness for Excavation works	Lump sum	1.00
2.20	Excavate Foundation trenches maximum depth 2m for abutment, wingwalls including disposal as directed by the Engineer	m3	300.00
2.30	Allow for earthwork support on sides and ends of foundations	Lump sum	1.00
2.40	Allow Excavation in Bed rock including disposal as directed by the Engineer	m3	15.00
2.5	Allow for drilling in Bed Rock to receive dowel bars	No	-
2.7	Allow for diversion of water and pumping out water for the substructural	Lump sum	1.00
2.8	Backfilling of excavated foundation trenches using excavated materials as directed by the Engineer	m3	95.00
2.9	Backfilling of Excavated Foundation trenches using imported materials as approved by the Engineer	m3	50.00
TOTAL ITEM 2 CARRIED TO SUMMARY			

ITEM	DESCRIPTION	UNIT	Quantity
3	MASONRY WORK		
3.1	Cement Mortared stone with Point Finish	m3	275.00
3.2	Supply and install high yield steel dowels bars into masonry abutment and Reinforced concrete caps	Kg	-
4	FALSEWORK, FORMWORK AND CONCRETE FINISH		
4.1	Formwork	m2	275.00
5	STEEL REINFORCEMENT FOR STRUCTURES		
5.1	High Yield stress steel bars	Tonnes	8.50
TOTAL ITEM 3 CARRIED TO SUMMARY			

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ITEM	DESCRIPTION	UNIT	Quantity	RATE	Tendered Amount
3	MASONRY WORK				
3.1	Cement Mortared stone with Point Finish	m3	275.00	50,000.00	13,750,000.00
3.2	Supply and install high yield steel dowels bars into masonry abutment and Reinforced concrete caps	Kg	-	-	-
4	FALSEWORK, FORMWORK AND CONCRETE FINISH				
4.1	Formwork	m2	275.00	20,000.00	5,500,000.00
5	STEEL REINFORCEMENT FOR STRUCTURES				
5.1	High Yield stress steel bars	Tonnes	8.50	1,300,000.00	11,050,000.00
TOTAL ITEM 3 CARRIED TO SUMMARY					30,300,000.00

ITEM	DESCRIPTION	UNIT	Quantity	RATE	Tendered Amount
4	CONCRETE				
4.10	a) Concrete grade 30/20	m3	81.50	140,000.00	11,410,000.00
	b) Concrete grade 20/20	m3	11.00	130,000.00	1,430,000.00
	C) Concrete grade 15/40	m3	48.00	70,000.00	3,360,000.00
TOTAL ITEM 4 CARRIED FORWARD TO SUMMARY					16,200,000.00

ITEM	DESCRIPTION	UNIT	Quantity	RATE	Tendered Amount
5	BRIDGE BEARING				
5.1	Supply and installation of plain rubber bearings size on abutment caps	No	6.00	25,000.00	150,000.00
	DRAINAGE				
5.2	Supply and installation of 75mm diameter drainage PVC pipes as drainage through deck	m	10.00	2,500.00	25,000.00
	MOVEMENT JOINTS				
5.3	Supply and installation of 20mm thick flexible bituminous layer on expansion layer joints	m2	5.00	4,500.00	22,500.00
	FILL				
5.4	Haul, Place, Mix and Compact laterite gravel at 98% of MDD at Optimum moisture content	m3	650.00	12,000.00	7,800,000.00
5.5	Grading of the road	Km	0.80	500,000.00	400,000.00
TOTAL ITEM 5 CARRIED FORWARD TO SUMMARY					8,397,500.00

SUMMARY OF SECTIONS

ITEM NO	DESCRIPTION	Tendered Amount
1	PRELIMINARY AND GENERAL	
2	SUBSTRUCTURAL WORKS	7,150,000.00
3	MASONRY WORK	2,822,500.00
4	CONCRETE	30,300,000.00
5	BRIDGE BEARING	16,200,000.00
		8,397,500.00
SUBTOTAL 1		64,870,000.00
ADD 16.5% VAT		10,703,550.00
TOTAL CONTRACT AMOUNT		75,573,550.00

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