

PROPOSED REHABILITATION OF MWALUPHAMBA-KAJIWENI-ZION ROAD IN MKONGANIWARD					
BILL OF QUANTITIES: No.1 PRELIMINARIES & GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
1.01	Allow Kshs 20,000 for Material testings and reagents for the contract duration	PC Sum	1.00		
1.02	E.O. item 1.01 for Contractor's overheads and profits.	% of item			
1.03	Provide, erect and maintain publicity signs as directed by the Engineer.	No.	2.00		
	Bill No. 1 Total Carried Forward to Grand Summary				-
BILL OF QUANTITIES: No.5 EARTHWORKS					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
	<i>NOTE: All costs and charges connected with haulage are to be included within the unit rates entered against the items described in this Bill of Quantities. No overhaul shall be paid for this items and shall be deemed to have been included in the Contractor's rates</i>				
	FILLING AND REINSTATEMENT OF ERODED SECTIONS				
5.01	Fill in soft material to eroded areas and compact to 95% MDD as directed by the Engineer	M ³	900		
	Bill No. 5 Total Carried Forward to Grand Summary				-
BILL OF QUANTITIES: No.7 EXCAVATION AND FILLING FOR STRUCTURE					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
7.01	Excavate, provide and place gabion boxes and rockfill to gabions, grouting where directed by the Engineer	No.	10		
	Bill No. 7 Total Carried Forward to Grand Summary				
BILL OF QUANTITIES: No.8 CULVERTS & DRAINAGE WORKS					
	Note: No separate payments shall be made for Gravel backfill Formwork and hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
8.01	Excavation in soft material for pipe culverts, headwalls, wingwalls, apron, toewalls, inlet drains, Outlet drains and compact as directed by the Engineer	M ³	46		-
8.02	As per item 8.04, but for hard material	M ³	12		-
8.03	Provide, lay and join 600mm inner dia concrete culverts and place and compact class 20/20 concrete for surround, headwalls, wingwalls, aprons, and toewalls to pipe culvert including all form work.	Mt	8		-
8.04	Provide, lay and join 900mm inner dia concrete culverts and place and compact class 20/20 concrete for surround, headwalls, wingwalls, aprons, and toewalls to pipe culvert including all form work.	Mt	14		-
8.05	Provide and place A142 BRC mesh reinforcement for culverts bed, surround, wingwalls, aprons, Head walls and toewalls as shown in the drawings	M ²	165		-
	Bill No. 8 Total Carried Forward to Grand Summary				-
BILL OF QUANTITIES: No.9 PASSAGE OF TRAFFIC					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
9.01	Allow, construct and maintain temporary diversion for the passage of traffic through the works including road signs and barriers as per Engineer's instructions	KM	0.100		-
	Bill No. 9 Total Carried Forward to Grand Summary				-
BILL OF QUANTITIES: No.10 GRADING & GRAVELLING WORKS					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
	Note: No overhaul will be paid for separately under these items as it shall be deemed to have been included in the Contractor's rates				
10.01	Heavy grading without watering and compaction as instructed by the Engineer	M ²	72000		
10.02	Provide gravel wearing course – excavation free haul, spread, water and compact gravel to specifications.	M ³	1550		
	Bill No. 22 Total Carried Forward to Grand Summary				
BILL OF QUANTITIES: No.22 SCHEDULE OF DAYWORKS					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
	<i>The rates inserted herein are to include all operational and Maintenance costs, fuel, oil, grease, drivers/operators wages, supervision, overheads and profit. Only time actually employed upon the work will be paid for and the rates should include for idle time, travelling time and overtime. In accordance with clause 2202 (a) of the specifications. Note: All items of plant must be priced.</i>				
22.01	Provide Dozer D6 for site clearance, backfilling of gullies/eroded areas, drain excavations as instructed by the Engineer (rates to include disposal of excavated material to approved sites)	Hrs	56		-
	Bill No. 22 Total Carried Forward to Grand Summary				-

BILL OF QUANTITIES: No.25 ENVIRONMENTAL IMPACT ASSESSMENT AND MITIGATION MEASURES					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
25.01	Allow for a prime cost sum of Ksh 80,000 for Environmental and Social Impact Assessment(ESIA) Study/Summary Project Report and Environmental Management Plans as per the Directions by the Engineer	Sum	1.00		
25.02	E.O item 25.01 for contractor's overhead and profit	%			-
25.03	Allow for a prime cost sum of Kshs 100,000 for Environmental and Soil Erosion Mitigation Measures as priced in the appendix attached or as per the Directions by the Engineer	PC sum	1.00		-
25.04	E.O item 25.03 for contractor's overhead and profit	%			-
	Bill No. 25 Total Carried Forward to Grand Summary				-
SUMMARY					
ITEM	DESCRIPTION				AMOUNT KSHS.
1	Preliminaries and General Items				-
5	Earthworks				-
7	Excavation and Filling for Structures				-
8	Drainage Works				0.00
9	Passage of traffic				0.00
10	Grading & graveling works				0.00
22	Schedule of Works				0.00
25	Environmental mitigation measures				0.00
(A)	Sub-total				-
(B)	Add ...16% VAT of sub-total (1) + sub-total (1)				-
	GRAND TOTAL CARRIED FORWARD TO FORM OF BID				-
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APPENDIX TO BILLNo.25: ENVIRONMENTAL MITIGATION ITEM 25.03					
	DESCRIPTION	UNIT	QUANTITY	RATE (KSHS)	AMOUNT (KSHS)
A B C	25.03 Environmental and Soil Erosion Mitigation Measures				
	Construction of Scour Checks	No	20		-
	Gabions Installation	No	0		-
	Stone pitching	SM	0		-
					-
	Total carried to Bill Item 25.03				-