

PROPOSED REHABILITATION OF CHECKPOINT - MWALUVANGA - LIKONI ROAD IN KUBO SOUTH WARD					
BILL OF QUANTITIES: No.1 PRELIMINARIES & GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
1.01	Allow Kshs 25,000 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.4 SITE CLEARANCE					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
	Note: No separate payments shall be made for gravel for blinding or hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
4.01	Heavy Bush clearing and trimming of trees extending to carriageway	M ²	14800		
	Bill No. 4 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.	15		
	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 Formwork and hauling to spoil unsuitable excavation materials and the cost of such shall be included in the rates and prices				
8.01	Culvert installation 900mm with surround Class 20/20 as directed by the Engineer.	Mt	39		-
8.02	Culvert installation 600mm with surround Class 20/20 as directed by the Engineer	Mt	55		-
8.03	Provide and place A142 BRC mesh reinforcement for culverts bed, surround, wingwalls, aprons, Head walls and toewalls as shown in the drawings	m ²	633		-
8.04	Excavation in soft material for pipe culverts, headwalls, wingwalls, apron, toewalls, inlet drains, Outlet drains and compact as directed by the Engineer	m ³	262		-
8.05	As per item 8.04, but for hard material	m ³	52		-
8.06	Provide selected gravel backfill material for Cuverts as instructed by the Engineer	m ³	100		-
	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	0.050		-
	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	33300		
10.02	Provide gravel wearing course – excavation free haul, spread, water and compact gravel to specifications.	m ³	600		
	Bill No. 22 Total Carried Forward to Grand Summary				

BILL OF QUANTITIES: No.17 CONCRETE WORKS (Barried Drift)					
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT RATE (Kshs)	TOTAL
17.01	Provide, place and compact class 20/25 concrete for (30 x 6)m drift in accordance with the specifications including retaining walls, partion, toe walls and aprons, excavation and bedding or as directed by the Engineer	m ³	68		
17.02	Provide A142 BRC Mesh Reinforcement to specifications	m ²	344		
17.03	Provide hardcore material to be laid to drift as per Engineer's instructions(rates to include blinding for hardcore)	m ³	180		
17.04	Provide and install edge marker posts with reflective paint as directed by the Engineer	m	14		
17.05	Provide selected backfill material for the drift	m ³	100		
Bill No. 17 Total Carried Forward to Grand Summary					
BILL OF QUANTITIES: No.25 ENVIRONMENTAL 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 sumof Ksh 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				-
4	Site Clearance				-
7	Excavation and Filling for Structures				-
8	Drainage Works				
9	Passae of traffic				
10	Grading & graveling works				
17	Concrete Works				
25	Environmental mitigation measures				
(A)	Sub-total (1)				
(B)	Add ...16% VAT of sub-total (1)				-
GRAND TOTAL CARRIED FORWARD TO FORM OF BID					-
PROPOSED REHABILITATION OF CHECKPOINT - MWALUVANGA - LIKONI ROAD IN KUBO SOUTH WARD					
APPENDIX TO BILLNo.25: ENVIRONMENTAL MITIGATION ITEM 25.03					
	DESCRIPTION	UNIT	QUANTITY	RATE (KSHS)	AMOUNT (KSHS)
	25.03 Environmental and Soil Erosion Mitigation Measures				
A	Construction of Scour Checks	No	20		
B	Gabions Installation	No	0		-
C	Trees Planting with watering untill established	No	0		-
D	Topsoiling and grassing	SM	0		-
E	Stone pitching	SM	0		-
F	Provision of waste disposal/Dust bins	No			-
G	Drinking water	Litres	0		-
H	Personal Protective Equipment	No	0		-
					-
Total carried to Bill Item 25.03					-