

**ANNEX 2: BILLS OF QUANTITIES**

**PROPOSED. SPOT IMPROVEMENT AND ROUTINE MAINTENANCE OF KIOTO DUMPING SITE ACCESS ROADS**

**NAKURU DUMP SITE LONDON WARD. NAKURU WEST SUB-COUNTY**

Item	Description	Unit	Qty	Rate	Amount
1	<b><u>BILL NO. 1: GENERAL</u></b>				
01-80-026	PC Sum of ksh 150 000 for the resident Engineer's miscellaneous account.	PC Sum	1		
01-80-027	include % of PC sum in item 01-80-026 for contractor's overhead and profit	%			
01-80-010	PC sum for off-site material testing.	PC Sum			
01-80-011	include % of PC sum in item 01-80-010 for contractor's overhead and profit	%			
01-80-016	Provide and maintain publicity signs as directed by the Engineer in accordance with MoR&PW drawing No.SS/234	No.	1		
01-80-030	PC Sum ksh50000for attendance to the Engineer's site staff	PC Sum	1		
01-80-031	include % of PC sum in item 01-80-030 for contractor's overhead and profit	%			
01-80-042d	pc sum ksh 50000 for Survey Works	PC Sum			
	<b>TOTAL BIL 1</b>				
7	<b><u>BILL7: EXCAVATION AND FILLING FOR STRUCTURES</u></b>				
07-50-001	Excavation in soft material for major structures i.e. stone pitching works.	m <sup>3</sup>	720		
07-50-002	As for item 07-50-001 but in hard material	m <sup>3</sup>	20		
	<b>TOTAL BIL 7</b>				
8	<b><u>BILLS: CULVERTS AND DRAINAGE WORKS</u></b>				
08-60-008	Desilt and clean existing culverts to free flow condition.	m	20		
08-60-025	Provide,lay and joint 600mm inner diameter(ID) precast concrete pipes	m	0		
08-60-027	Provide,lay and joint 900mm inner diameter(ID) precast concrete pipes	m	30		
08-70-001	Provide material lay and joint in cement mortar (1:3) natural stone( hardcore rubbles )as lining to drain including concrete haunching (1:3:6) at the edge as instructed by the Engineer	m <sup>2</sup>	800		
08-70-006	Construction Of scour checks (concrete)	NO	10		

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08-90-001	Excavate for inlet, outfall, mitre and catchwater drains in soft material.	m <sup>2</sup>	300		
08-90-002	Excavate in soft materials for pipe culverts, headwalls wingwalls, apron, toe walls an drop inlets	m <sup>3</sup>	100		
08-90-008	Provide place and compact class 15/20 concrete to beds, surrounds and haunches.	m <sup>3</sup>	8		
08-90-009	Provide place and compact class 25/20 concrete to headwalls, wingwalls, aprons and toe walls to pipe culverts including formwork.	m <sup>3</sup>	2		
	<b>TOTAL BIL 8</b>				
10	<b><u>BILL 10: GRADING</u></b>				
10-50-002	right grading including watering compaction forming side ditches and backslope on both sides of road , shape to camber including stone fill where necessary as instructed by engineer	m <sup>2</sup>	1200		
10-60-001	supply ,spread water and compact gravel material to 95% maximum dry density (MDD) using an approved roller . The CBR of gravel should be atleast 30 and complying with all specifications including formation of correct camber to a consolidated thickness of at least 125mm	m <sup>3</sup>	700		
	<b>TOTAL BIL 10</b>				
12	<b><u>BILL 12:NATURAL MATERIAL BASE AND SUBASE</u></b>				
12-60-001	Provide, lay and compact Hand packed stone material including fillings voids with stone dust as directed by the Engineer.	m <sup>3</sup>	1300		
	<b>TOTAL BIL 12</b>				
	<b><u>BILL 22: MACHINE HIRE</u></b>				
22-80-002	Crawler dozers with dozers and hydraulic attachment (a) 136 - 185kw rated flywheeled power	HR	50		
22-80-003	PC Sum of ksh 50 000 for mobilization of the dozer ( 22-02 )	pc			
08-70-006	Construction Of scour checks (concrete)	NO			

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<b>SUMMARY</b>	
<b>TOTAL BILL 1</b>	
<b>TOTAL BILL 7</b>	
<b>TOTAL BILL 8</b>	
<b>TOTAL BILL 10</b>	
<b>TOTAL BILL 12</b>	
<b>TOTAL BILL 22</b>	
<b>TOTAL 1</b>	
<b>VAT 16%</b>	
<b>TOTAL CARRIED TO FORM OF TENDER</b>	

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