



<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>				#	#	<b>County: ISIOLO</b>				<b>From: 50+000</b>		<b>To: 51+000</b>		pg	2													
<b>Chainage:</b>	<b>50+000</b>				<b>50+200</b>				<b>50+400</b>				<b>50+600</b>				<b>50+800</b>		<b>51+000</b>											
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Bush Clearing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Grass Cutting</b>						m						m						m						m						m
<b>Grubbing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Tree and stump removal</b>	0					m	0					m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Cross Section Sketch</b>																														
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Height of cut &lt; 0.25m</b>	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	0		0	0	cm
<b>Height of cut &gt; 0.25m</b>	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	0		0	0	cm
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																													
<b>Existing Roads</b>	0				cm	0				cm	0				cm	0				cm	0				cm	0				cm
<b>Sloping</b>					cm					cm					cm					cm					cm					cm
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Quantities:</b>	<b>Quantities</b>																<b>Total this page</b>													
<b>Bush Clearing</b>	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	<b>2,000</b>											
<b>Grass Cutting</b>		m2		m2		m2		m2		m2		m2		m2		m2		m2												
<b>Grubbing</b>	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	<b>0</b>											
<b>Tree and stump removal</b>	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	<b>0</b>											
	<b>Quantities</b>																<b>Total this page</b>													
<b>Height of cut &lt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	<b>0</b>											
<b>Height of cut &gt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	<b>0</b>											
<b>Embankment/Fill</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	<b>0</b>											
<b>Drains full re-construction</b>	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	<b>1,208</b>											
<b>Reshaping by Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)												
<b>By Towed Grader/Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)												
<b>By Equipment Based Method</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)												
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																														

DETAILED IMPROVEMENT PLAN

Road Name: GOTU-MERTI		County: ISIOLO																				From: 51+000		To: 52+000																				
Chain-age (kilometres) (metres)	51 + 0	51 + 100				51 + 200				51 + 300				51 + 400				51 + 500				51 + 600				51 + 700				51 + 800				51 + 900				52 + 0						
	Subgrade	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS	QS			
Cross section	E	E	E	E	A	A	A	A	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Earth-works	Method: RES, ETL or FILL	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES			
	Choice of reshaping: L, T or E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E			
Gra-vel	Total																																											
	Thickness (cm,comp.)																																											
Longitudinal gradient (in %)	Source (quarry No.)																																											
		-1				0				1				1				1				1				0				-1				5				6						
Mitre drains	Total																																											
	Number left =																																											
Catch water	Number right =	1								1																																		
	Total	Length of drain left =																																										
Culverts	Length of drain right =																																											
	Chainage (m) = New line = Existing line																																											
		= Cross drainage																																										
			= Access culvert/ drift																																									
		Length (m)																																										
	= Left/ right																																											
			Ramp																																									
Earth fill (m3)																																												
	H. Concrete (m3)																																											
Head-walls																																												
	Inlet (Material/Type)																																											
Outlet (Material/Type)																																												
	Scour Checks																																											
HC																																												
		0																																										
Additional Instruction as per Reference																						LG- Lateritic Gravel																						

<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>		#	#	<b>County: ISIOLO</b>		<b>From: 51+000</b>		<b>To: 52+000 pg</b>		3												
<b>Chainage:</b>	<b>51+000</b>		<b>51+200</b>		<b>51+400</b>		<b>51+600</b>		<b>51+800</b>		<b>51+000</b>													
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																							
	Aver. (m) 1 to 4 readings <sup>1)</sup>						Aver. (m) 1 to 4 readings																	
Bush Clearing	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																								
<b>Cross Section Sketch</b>																								
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																							
	Aver. (m) 1 to 4 readings <sup>1)</sup>						Aver. (m) 1 to 4 readings <sup>1)</sup>																	
Height of cut < 0.25m	0	0				cm	0					cm	0	0				cm	0	0				cm
Height of cut > 0.25m	0	0				cm	0					cm	0	0				cm	0	0				cm
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																							
Existing Roads	0					cm	0					cm	0					cm	0					cm
Sloping						cm						cm						cm						cm
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																								
<b>Quantities:</b>	<b>Quantities</b>										<b>Total this page</b>													
Bush Clearing	400	m2	400	m2	400	m2	400	m2	400	m2	400	<b>2,000</b>												
Grass Cutting		m2		m2		m2		m2		m2														
Grubbing	0	m2	0	m2	0	m2	0	m2	0	m2	0	<b>0</b>												
Tree and stump removal	0	No.	0	No.	0	No.	0	No.	0	No.	0	<b>0</b>												
	<b>Quantities</b>										<b>Total this page</b>													
Height of cut < 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	<b>0</b>												
Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	<b>0</b>												
Embankment/Fill		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>Drains full re-construction</b>	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	<b>1,208</b>												
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																								



<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>				#	#	<b>County: ISIOLO</b>				<b>From: 52+000</b>				<b>To: 53+000 pg</b>				4										
<b>Chainage:</b>	<b>52+000</b>				<b>52+200</b>				<b>52+400</b>				<b>52+600</b>				<b>52+800</b>				<b>52+000</b>									
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>										Aver. (m) 1 to 4 readings																			
<b>Bush Clearing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Grass Cutting</b>						m						m						m						m						m
<b>Grubbing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Tree and stump removal</b>	0					m						m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Cross Section Sketch</b>																														
-																														
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>										Aver. (m) 1 to 4 readings <sup>1)</sup>																			
<b>Height of cut &lt; 0.25m</b>	0	0				cm	0					cm	0		0			cm	0		0			cm	0		0			cm
<b>Height of cut &gt; 0.25m</b>	0	0				cm	0					cm	0		0			cm	0		0			cm	0		0			cm
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																													
<b>Existing Roads</b>	0					cm	0					cm	0					cm	0					cm	0					cm
<b>Sloping</b>						cm						cm						cm						cm						cm
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Quantities:</b>	<b>Quantities</b>										<b>Quantities</b>										<b>Total this page</b>									
<b>Bush Clearing</b>	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	2,000			
<b>Grass Cutting</b>		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2				
<b>Grubbing</b>	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0			
<b>Tree and stump removal</b>	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0			
<b>Quantities:</b>	<b>Quantities</b>										<b>Quantities</b>										<b>Total this page</b>									
<b>Height of cut &lt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0			
<b>Height of cut &gt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0			
<b>Embankment/Fill</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0			
<b>Drains full re-construction</b>	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	1,208			
<b>Reshaping by Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)				
<b>By Towed Grader/Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)				
<b>By Equipment Based Method</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)				
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																														

DETAILED IMPROVEMENT PLAN

Road Name: GOTU-MERTI		County: ISIOLO										From: 53+000		To: 54+000									
Chain-age	(kilometres)	53 + 0		53 + 100		53 + 200		53 + 300		53 + 400		53 + 500		53 + 600		53 + 700		53 + 800		53 + 900		54 + 0	
	(metres)																						
Road form.	Subgrade	QG	QG	QG	QG	QG	QG	QG	QG	QG	QG	QG	QG	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC
	Cross section	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Earth-works	Method: RES, ETL or FILL	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES
	Choice of reshaping: L, T or E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	Volume of ETL or Fill (m3/m)																						
Gra-vel	Total																						
	Thickness (cm,comp.)																						
	Source (quarry No.)																						
Longitudinal gradient (in %)		0		-1		-2		2		1		1		1		-1		-1		-1			
Mitre drains	Total	1				1				1				1				1				1	
	10			1				1					1					1				1	
Catch water	Total																						
	0																						
Culverts	N Ex CD AC/D L/R	Chainage (m) = New line																					
		= Existing line																					
		= Cross drainage																					
		= Access culvert/ drift																					
	Length (m)	= Left/ right																					
		Ø 450mm																					
Ø 600mm																							
Ramp	Ø 900mm																						
	Earth fill (m3)																						
	H. Concrete (m3)																						
Head-walls	Inlet (Material/Type)																						
	Outlet (Material/Type)																						
Scour Checks	HC	= Material this sheet/ Spacing left (m) =																					
	0	Spacing right (m) = =Total No. this sheet																					
Additional Instruction as per Reference																							
														BC - Black cotton Soil									

<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>				#	#	<b>County: ISIOLO</b>				<b>From: 53+000</b>		<b>To: 54+000 pg</b>		5														
<b>Chainage:</b>	<b>53+000</b>				<b>53+200</b>				<b>53+400</b>				<b>53+600</b>				<b>53+800</b>		<b>54+000</b>											
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Bush Clearing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Grass Cutting</b>						m						m						m						m						m
<b>Grubbing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Tree and stump removal</b>	0					m	0					m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Cross Section Sketch</b>																														
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Height of cut &lt; 0.25m</b>	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	0		0	0	cm
<b>Height of cut &gt; 0.25m</b>	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	0		0	0	cm
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																													
<b>Existing Roads</b>	0				cm	0				cm	0				cm	0				cm	0				cm	0				cm
<b>Sloping</b>					cm					cm					cm					cm					cm					cm
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Quantities:</b>	<b>Quantities</b>														<b>Total this page</b>															
<b>Bush Clearing</b>	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	<b>2,000</b>													
<b>Grass Cutting</b>		m2		m2		m2		m2		m2		m2		m2		m2														
<b>Grubbing</b>	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	<b>0</b>													
<b>Tree and stump removal</b>	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	<b>0</b>													
	<b>Quantities</b>														<b>Total this page</b>															
<b>Height of cut &lt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	<b>0</b>													
<b>Height of cut &gt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	<b>0</b>													
<b>Embankment/Fill</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>Drains full re-construction</b>	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	256	m3 (insitu)	<b>1,222</b>													
<b>Reshaping by Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>By Towed Grader/Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>By Equipment Based Method</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)														
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																														



<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>				#	#	<b>County: ISIOLO</b>				<b>From: 54+000</b>		<b>To: 55+000 pg</b>		6														
<b>Chainage:</b>	<b>54+000</b>				<b>54+200</b>				<b>54+400</b>				<b>54+600</b>				<b>54+800</b>		<b>55+000</b>											
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Bush Clearing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Grass Cutting</b>						m						m						m						m						m
<b>Grubbing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Tree and stump removal</b>	0					m	0					m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Cross Section Sketch</b>	-																													
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Height of cut &lt; 0.25m</b>	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
<b>Height of cut &gt; 0.25m</b>	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																													
<b>Existing Roads</b>	0					cm	0					cm	0					cm	0					cm	0					cm
<b>Sloping</b>						cm						cm						cm						cm						cm
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Quantities:</b>	<b>Quantities</b>														<b>Total this page</b>															
<b>Bush Clearing</b>	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	<b>2,000</b>														
<b>Grass Cutting</b>		m2		m2		m2		m2		m2		m2		m2																
<b>Grubbing</b>	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	<b>0</b>														
<b>Tree and stump removal</b>	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	<b>0</b>														
	<b>Quantities</b>														<b>Total this page</b>															
<b>Height of cut &lt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	<b>0</b>														
<b>Height of cut &gt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	<b>0</b>														
<b>Embankment/Fill</b>		m3 (insitu)		m3 (insitu)	189	m3 (insitu)	378	m3 (insitu)	378	m3 (insitu)	378	m3 (insitu)	378	m3 (insitu)	378	<b>945</b>														
<b>Drains full re-construction</b>	256	m3 (insitu)	270	m3 (insitu)	256	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	<b>1,264</b>														
<b>Reshaping by Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>By Towed Grader/Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>By Equipment Based Method</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																														



<b>Quantity Assessment</b>		<b>GOTU-MERTI</b>				#	#	<b>County: ISIOLO</b>				<b>From: 55+000</b>		<b>To: 56+000 pg</b>		7														
<b>Chainage:</b>	<b>55+000</b>				<b>55+200</b>				<b>55+400</b>				<b>55+600</b>				<b>55+800</b>		<b>56+000</b>											
<b>Input Measurements:</b>	<b>Free Clearance Width for Calculating areas</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Bush Clearing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Grass Cutting</b>						m						m						m						m						m
<b>Grubbing</b>	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
<b>Tree and stump removal</b>	0					m	0					m	0					m	0					m	0					m
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Cross Section Sketch</b>	-																													
<b>Measurements for small cut to fill:</b>	<b>Height of Cut / Differences in Levels for calculating volumes</b>																													
	Aver. (m) 1 to 4 readings <sup>1)</sup>																													
<b>Height of cut &lt; 0.25m</b>	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
<b>Height of cut &gt; 0.25m</b>	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
<b>For Reshaping :</b>	<b>Difference in Level between Exist. Camber and Side Drain for calculating volumes</b>																													
<b>Existing Roads</b>	0					cm	0					cm	0				cm	0					cm	0				cm		
<b>Sloping</b>						cm						cm					cm						cm					cm		
<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
<b>Quantities:</b>	<b>Quantities</b>										<b>Total this page</b>																			
<b>Bush Clearing</b>	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	2,000															
<b>Grass Cutting</b>		m2		m2		m2		m2		m2		m2		m2																
<b>Grubbing</b>	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	0															
<b>Tree and stump removal</b>	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0															
	<b>Quantities</b>										<b>Total this page</b>																			
<b>Height of cut &lt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0															
<b>Height of cut &gt; 0.25m</b>	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0															
<b>Embankment/Fill</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0															
<b>Drains full re-construction</b>	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	1,208															
<b>Reshaping by Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>By Towed Grader/Labour</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>By Equipment Based Method</b>		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
<b>Data Collected by: Name: .....</b> <b>Date: .....</b> <b>Signature: .....</b>																														



Chainage:	56+000	56+200	56+400	56+600	56+800	56+000
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Input Measurements:	Free Clearance Width for Calculating areas																								
	Aver. (m) 1 to 4 readings <sup>1)</sup>										Aver. (m) 1 to 4 readings														
	Bush Clearing	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
	Grass Cutting						m						m						m						m
	Grubbing	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	

<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Cross Section Sketch					
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Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																							
	Aver. (m) 1 to 4 readings <sup>1)</sup>										Aver. (m) 1 to 4 readings <sup>1)</sup>													
	Height of cut < 0.25m	0	0				cm	0					cm	0	0	0	0	0	cm	0	0	0	0	0
Height of cut > 0.25m	0	0				cm	0					cm	0	0	0	0	0	cm	0	0	0	0	0	cm

For Reshaping :	Difference in Level between Exist. Camber and Side Drain for calculating volumes																							
	Existing Roads	0					cm	0					cm	0					cm	0				
Sloping						cm						cm						cm						cm

<sup>1)</sup> Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Quantities:	Quantities										Total this page	
	Bush Clearing	400	m2	400	m2	400	m2	400	m2	400	m2	2,000
	Grass Cutting		m2		m2		m2		m2		m2	
	Grubbing	0	m2	0	m2	0	m2	0	m2	0	m2	0
	Tree and stump removal	0	No.	0	No.	0	No.	0	No.	0	No.	0

	Quantities										Total this page	
	Height of cut < 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0
	Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0
	Embankment/Fill		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0
	Drains full re-construction	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	242	m3 (insitu)	1,208
	Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	
	By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	
	By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	

Data Collected by: Name: ..... Date: ..... Signature: .....