

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 20+000		To: 21+000		pg	2													
Chainage:	20+000				20+200				20+400				20+600				20+800		21+000											
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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	-																													
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
Height of cut > 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	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					cm	0				cm		
Sloping						cm						cm					cm						cm					cm		
¹⁾ 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	400	m2	400	m2	2,000															
Grass Cutting		m2		m2		m2		m2		m2		m2		m2																
Grubbing	0	m2	0	m2	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	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	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	m3 (insitu)	0	m3 (insitu)	0															
Embankment/Fill		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	459	m3 (insitu)		m3 (insitu)	918	m3 (insitu)	1,377															
Drains full re-construction	242	m3 (insitu)	242	m3 (insitu)	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)		m3 (insitu)		m3 (insitu)																
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
Data Collected by: Name: Date: Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 21+000				To: 22+000 pg				3										
Chainage:		21+000				21+200				21+400				21+600				21+800				22+000								
Input Measurements:		Free Clearance Width for Calculating areas																												
		Aver. (m) 1 to 4 readings ¹⁾										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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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																														
Measurements for small cut to fill:		Height of Cut / Differences in Levels for calculating volumes																												
		Aver. (m) 1 to 4 readings ¹⁾										Aver. (m) 1 to 4 readings ¹⁾																		
Height of cut < 0.25m	0	0				cm	0					cm	0					cm	0					cm	0					cm
Height of cut > 0.25m	0	0				cm	0					cm	0					cm	0					cm	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					cm	0					cm
Sloping						cm						cm						cm						cm						cm
¹⁾ 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	2,000								
Grass Cutting		m2					m2					m2					m2													
Grubbing	0	m2				0	m2				0	m2				0	m2				0	0								
Tree and stump removal	0	No.				0	No.				0	No.				0	No.				0	0								
Quantities:		Quantities																		Total this page										
Height of cut < 0.25m	0	m3 (insitu)				0	m3 (insitu)				0	m3 (insitu)				0	m3 (insitu)				0	0								
Height of cut > 0.25m	0	m3 (insitu)				0	m3 (insitu)				0	m3 (insitu)				0	m3 (insitu)				0	0								
Embankment/Fill	459	m3 (insitu)					m3 (insitu)					m3 (insitu)					m3 (insitu)				459	459								
Drains full re-construction	242	m3 (insitu)				242	m3 (insitu)				242	m3 (insitu)				242	m3 (insitu)				242	1,208								
Reshaping by Labour		m3 (insitu)					m3 (insitu)					m3 (insitu)					m3 (insitu)													
By Towed Grader/Labour		m3 (insitu)					m3 (insitu)					m3 (insitu)					m3 (insitu)													
By Equipment Based Method		m3 (insitu)					m3 (insitu)					m3 (insitu)					m3 (insitu)													
Data Collected by: Name: Date:Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 22+000		To: 23+000		pg	4													
Chainage:	22+000				22+200				22+400				22+600				22+800		23+000											
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m						m	0					m	0					m	0					m
¹⁾ 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	-																													
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
Height of cut > 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	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					cm	0				cm		
Sloping						cm						cm					cm						cm					cm		
¹⁾ 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	400	m2	2,000																	
Grass Cutting		m2		m2		m2		m2		m2		m2																		
Grubbing	0	m2	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	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	m3 (insitu)	0																	
Height of cut > 0.25m	0	m3 (insitu)	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)		m3 (insitu)	0																	
Drains full re-construction	242	m3 (insitu)	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)		m3 (insitu)																		
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																		
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																		
Data Collected by: Name: Date:Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 23+000				To: 24+000 pg				5										
Chainage:	23+000				23+200				23+400				23+600				23+800				24+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾										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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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																														
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾										Aver. (m) 1 to 4 readings ¹⁾																			
Height of cut < 0.25m	0	0				cm	0					cm	0					cm	0					cm	0					cm
Height of cut > 0.25m	0	0				cm	0					cm	0					cm	0					cm	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					cm	0					cm
Sloping						cm						cm						cm						cm						cm
¹⁾ 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										Quantities										Total this page									
Bush Clearing	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	2,000							
Grass Cutting		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2								
Grubbing	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	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	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0							
	Quantities										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	m3 (insitu)	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)	324	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	162	m3 (insitu)	648							
Embankment/Fill		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
Drains full re-construction	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							
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
Data Collected by: Name: Date:Signature:																														

DETAILED IMPROVEMENT PLAN

Road Name:		Gotu-Merti 01C (10Km)		County:		ISIOLO		From:		24+000		To:		25+000										
Chain-age	(kilometres)	24 + 0		24 + 100		24 + 200		24 + 300		24 + 400		24 + 500		24 + 600		24 + 700		24 + 800		24 + 900		25 + 0		
	(metres)																							
Road form.	Subgrade	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RG	RS	RS	RS	RS	RS	RS	RS	RS
	Cross section	A	A	A	A	A	A	A	E	E	E	E	E	E	E	A	A	A	A	A	A	A	A	A
Earth-works	Method: RES, ETL or FILL	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	FILL	FILL	FILL	FILL	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
	Volume of ETL or Fill (m3/m)																							
Gra-vel	Total																							
	Thickness (cm,comp.)																							
	Source (quarry No.)																							
Longitudinal gradient (in %)		2			0			1			1			-1			0			-1			0	
Mitre drains	Total	1						1						1						1				
	10				1																			
Catch water	Total																							
	0																							
Culverts	N																							
	Ex																							
	CD																							
	AC/D																							
	L/R																							
	Length (m)																							
Ramp	Ø 450mm																							
	Ø 600mm																							
	Ø 900mm																							
	Earth fill (m3)																							
Head-walls	H. Concrete (m3)																							
	Inlet (Material/Type)																							
Scour Checks	Outlet (Material/Type)																							
	HC																							
	= Material this sheet/ Spacing left (m) =																							
	= Spacing right (m) =																							
Additional Instruction as per Reference																								
																	RS-RED SOIL							

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 24+000		To: 25+000 pg		6														
Chainage:	24+000				24+200				24+400				24+600				24+800		25+000											
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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	-																													
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	0	0	0	0	cm			
Height of cut > 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	cm	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					cm	0					cm	
Sloping						cm						cm					cm						cm						cm	
¹⁾ 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	400	m2	400	m2	2,000															
Grass Cutting		m2		m2		m2		m2		m2		m2		m2																
Grubbing	0	m2	0	m2	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	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	m3 (insitu)	0	m3 (insitu)	0															
Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	162	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	162															
Embankment/Fill		m3 (insitu)		m3 (insitu)	189	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	189															
Drains full re-construction	242	m3 (insitu)	242	m3 (insitu)	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)		m3 (insitu)		m3 (insitu)																
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
Data Collected by: Name: Date:Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 25+000				To: 26+000 pg				7										
Chainage:	25+000				25+200				25+400				25+600				25+800				26+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾										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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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																														
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾										Aver. (m) 1 to 4 readings ¹⁾																			
Height of cut < 0.25m	0	0				cm	0					cm	0					cm	0					cm	0					cm
Height of cut > 0.25m	0	0				cm	0					cm	0					cm	0					cm	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					cm	0					cm
Sloping						cm						cm						cm						cm						cm
¹⁾ 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										Quantities										Total this page									
Bush Clearing	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	2,000							
Grass Cutting		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2								
Grubbing	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	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	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0							
	Quantities										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	m3 (insitu)	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)	324	m3 (insitu)	324	m3 (insitu)	324	m3 (insitu)	324	m3 (insitu)	324	m3 (insitu)	324	m3 (insitu)	324							
Embankment/Fill		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	378							
Drains full re-construction	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							
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
Data Collected by: Name: Date:Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 26+000				To: 27+000 pg				8											
Chainage:		26+000				26+200				26+400				26+600				26+800				27+000									
Input Measurements:		Free Clearance Width for Calculating areas																													
		Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting							m						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	11	11	0	0	0	m
Tree and stump removal		0					m	0					m	0					m	0					m	0					m
		¹⁾ 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																															
Measurements for small cut to fill:		Height of Cut / Differences in Levels for calculating volumes																													
		Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m		0	0				cm	0					cm	0					cm	0					cm	0					cm
Height of cut > 0.25m		0	0				cm	0					cm	0					cm	0					cm	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					cm	0					cm
Sloping							cm						cm						cm						cm						cm
		¹⁾ 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	400	m2	400	m2	2,000															
Grass Cutting			m2		m2		m2		m2		m2		m2		m2																
Grubbing		0	m2	0	m2	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	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	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	m3 (insitu)	0	m3 (insitu)	0															
Embankment/Fill		378	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	378															
Drains full re-construction		242	m3 (insitu)	242	m3 (insitu)	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)		m3 (insitu)		m3 (insitu)																
By Towed Grader/Labour			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
By Equipment Based Method			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
Data Collected by:		Name:														Date:		Signature:													

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 27+000		To: 28+000 pg		9														
Chainage:	27+000				27+200				27+400				27+600				27+800		28+000											
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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																														
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	0		0	0	cm
Height of cut > 0.25m	0	0			cm	0				cm	0		0	0	cm	0		0	0	cm	0		0	0	cm	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				cm	0				cm	0				cm
Sloping					cm					cm					cm					cm					cm					cm
¹⁾ 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	400	m2	2,000																	
Grass Cutting		m2		m2		m2		m2		m2		m2																		
Grubbing	0	m2	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	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	m3 (insitu)	0																	
Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0																	
Embankment/Fill	189	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	189																	
Drains full re-construction	242	m3 (insitu)	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)		m3 (insitu)																		
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																		
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																		
Data Collected by: Name: Date: Signature:																														

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 28+000				To: 29+000 pg 10														
Chainage:		28+000				28+200				28+400				28+600				28+800				29+000								
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾										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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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																														
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾										Aver. (m) 1 to 4 readings ¹⁾																			
Height of cut < 0.25m	0	0				cm	0					cm	0		0	0	0	cm	0		0	0	0	cm	0		0	0	0	cm
Height of cut > 0.25m	0	0				cm	0					cm	0		0	0	0	cm	0		0	0	0	cm	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					cm	0					cm
Sloping						cm						cm						cm						cm						cm
¹⁾ 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										Quantities										Total this page									
Bush Clearing	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	400	m2	2,000							
Grass Cutting		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2		m2								
Grubbing	0	m2	0	m2	0	m2	0	m2	0	m2	0	m2	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	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0							
	Quantities										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	m3 (insitu)	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	m3 (insitu)	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)		m3 (insitu)		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)	242	m3 (insitu)	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)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)								
Data Collected by:	Name: Date: Signature:																													

Quantity Assessment		Gotu-Merti 01C (10Km)				#	#	County: ISIOLO				From: 29+000	To: 30+000	pg 11																
Chainage:	29+000	29+200				29+400				29+600				29+800	30+000															
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ¹⁾																													
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	11	11	0	0	0	m
Grass Cutting						m						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	11	11	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
¹⁾ 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	-																													
Measurements for small cut to fill:	Height of Cut / Differences in Levels for calculating volumes																													
	Aver. (m) 1 to 4 readings ¹⁾																													
Height of cut < 0.25m	0	0				cm	0					cm	0	0	0	0	cm	0	0	0	0	0	cm	0	0	0	0	0	cm	
Height of cut > 0.25m	0	0				cm	0					cm	0	0	0	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					cm	0					cm	
Sloping						cm						cm					cm						cm						cm	
¹⁾ 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	400	m2	400	m2	2,000															
Grass Cutting		m2		m2		m2		m2		m2		m2		m2																
Grubbing	0	m2	0	m2	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	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	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	m3 (insitu)	0	m3 (insitu)	0															
Embankment/Fill		m3 (insitu)		m3 (insitu)		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)	242	m3 (insitu)	242	m3 (insitu)	1,208															
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
By Towed Grader/Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
By Equipment Based Method		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)																
Data Collected by: Name: Date:Signature:																														