

Quantity Assessment		KINA-KULA MAWE				#	#	County: ISIOLO				From: 8+000				To: 9+000				pg	10									
Chainage:	8+000				8+200				8+400				8+600				8+800				9+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^{*)}											Aver. (m) 1 to 4 readings																		
Bush Clearing	8	8	0	0	0	m	8	8	0	0	0	m	6	6	0	0	0	m	5	5	0	0	0	m	6	6	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	8	8	0	0	0	m	8	8	0	0	0	m	6	6	0	0	0	m	5	5	0	0	0	m	6	6	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
*) 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 ^{*)}											Aver. (m) 1 to 4 readings ^{*)}																		
Height of cut < 0.25m	0	0				cm	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
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
*) 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	1,000		m2		1,200		m2		1,600		m2		1,800		m2		1,600		7,200											
Grass Cutting			m2				m2				m2				m2															
Grubbing	600		m2		600		m2		1,000		m2		1,200		m2		1,000		4,400											
Tree and stump removal	0		No.		0		No.		0		No.		0		No.		0		0											
	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			m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)				0											
Drains full re-construction	242		m3 (insitu)		278		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		242		1,391											
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		KINA-KULA MAWE				#	#	County: ISIOLO				From: 9+000				To: 10+000				pg	11									
Chainage:	9+000				9+200				9+400				9+600				9+800				10+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^⁹															Aver. (m) 1 to 4 readings														
Bush Clearing	8	8	0	0	0	m	3	3	0	0	0	m	4	4	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	8	8	0	0	0	m	3	3	0	0	0	m	4	4	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
⁹) 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 ^⁹															Aver. (m) 1 to 4 readings ^⁹														
Height of cut < 0.25m	0	0			cm	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		
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					
⁹) 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	1,200	m2		2,200	m2		1,800	m2		1,400	m2		1,400	m2		8,000														
Grass Cutting		m2			m2			m2			m2			m2																
Grubbing	600	m2		1,600	m2		1,400	m2		1,000	m2		1,000	m2		5,600														
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)																
Drains full re-construction	315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		1,575														
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:																														

Quantity Assessment		KINA-KULA MAWE				#	#	County: ISIOLO				From: 10+000				To: 11+000				pg	12									
Chainage:	10+000				10+200				10+400				10+600				10+800				11+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ³⁾															Aver. (m) 1 to 4 readings														
Bush Clearing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
³⁾ 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 ³⁾															Aver. (m) 1 to 4 readings ³⁾														
Height of cut < 0.25m	0	0			cm	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		
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					
³⁾ 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	800	m2		800	m2		1,000	m2		1,200	m2		1,000	4,800																
Grass Cutting		m2			m2			m2			m2																			
Grubbing	400	m2		400	m2		400	m2		600	m2		600	2,400																
Tree and stump removal	0	No.		0	No.		0	No.		0	No.		0	0																
	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		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																			
Drains full re-construction	242	m3 (insitu)		242	m3 (insitu)		278	m3 (insitu)		278	m3 (insitu)		315	1,355																
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		KINA-KULA MAWE				#	#	County: ISIOLO				From: 11+000				To: 12+000				pg	13									
Chainage:	11+000				11+200				11+400				11+600				11+800				12+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^⁹															Aver. (m) 1 to 4 readings														
Bush Clearing	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m
Tree and stump removal	0					m						m	0					m	0					m	0					m
⁹) 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 ^⁹															Aver. (m) 1 to 4 readings ^⁹														
Height of cut < 0.25m	0	0			cm	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		
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				cm	
Sloping					cm					cm					cm					cm					cm				cm	
⁹) 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	1,200	m2		1,000	m2		1,000	m2		800	m2		1,000	5,000																
Grass Cutting		m2			m2			m2			m2																			
Grubbing	600	m2		600	m2		600	m2		400	m2		400	2,600																
Tree and stump removal	0	No.		0	No.		0	No.		0	No.		0	0																
	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		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0																
Drains full re-construction	242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		315	m3 (insitu)		278	1,318																
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		KINA-KULA MAWE				#	#	County: ISIOLO				From: 12+000				To: 13+000				pg 14										
Chainage:	12+000				12+200				12+400				12+600				12+800				13+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^⁹																		Aver. (m) 1 to 4 readings											
Bush Clearing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Tree and stump removal	0					m	0					m	0					m	0					m	0					m
^⁹ 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 ^⁹																		Aver. (m) 1 to 4 readings ^⁹											
Height of cut < 0.25m	0	0				cm	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
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
^⁹ 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	800		m2		800		m2		800		m2		1,000		m2		1,200		4,600											
Grass Cutting			m2				m2				m2				m2															
Grubbing	400		m2		400		m2		400		m2		600		m2		600		2,400											
Tree and stump removal	0		No.		0		No.		0		No.		0		No.		0		0											
	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			m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)															
Drains full re-construction	315		m3 (insitu)		315		m3 (insitu)		242		m3 (insitu)		242		m3 (insitu)		278		1,391											
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:																														

[illegible]

Quantity Assessment		KINA-KULA MAWE				#	#	County: ISIOLO				From: 13+000				To: 14+000				pg	15			
Chainage:	13+000				13+200				13+400				13+600				13+800				14+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ^ᶻ															Aver. (m) 1 to 4 readings								
Bush Clearing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m	9	9	0	0	0	m
Tree and stump removal	1	1				m	0					m	0					m	0					m
^ᶻ 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 ^ᶻ															Aver. (m) 1 to 4 readings ^ᶻ								
Height of cut < 0.25m	0	0			cm	0				cm	0		0		0	cm	0		0		0	cm	0	cm
Height of cut > 0.25m	0	0			cm	0				cm	0		0		0	cm	0		0		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
^ᶻ 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	1,000	m2		1,000	m2		1,000	m2		800	m2		800	m2		4,600								
Grass Cutting		m2			m2			m2			m2			m2										
Grubbing	400	m2		400	m2		400	m2		400	m2		400	m2		2,000								
Tree and stump removal	1	No.		0	No.		0	No.		0	No.		0	No.		1								
	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	315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		278	m3 (insitu)		278	m3 (insitu)		1,502								
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:																								

Quantity Assessment		KINA-KULA MAWE				#	#	County: ISIOLO				From: 14+000				To: 15+000				pg 16				
Chainage:	14+000				14+200				14+400				14+600				14+800				15+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ³⁾															Aver. (m) 1 to 4 readings								
Bush Clearing	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m	8	8	0	0	0	m
Tree and stump removal	1	1				m	0					m	0					m	0					m
³⁾ 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 ³⁾															Aver. (m) 1 to 4 readings ³⁾								
Height of cut < 0.25m	0	0			cm	0				cm	0		0		0	cm	0		0		0	cm	0	cm
Height of cut > 0.25m	0	0			cm	0				cm	0		0		0	cm	0		0		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
³⁾ 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	1,200	m2		1,200	m2		1,200	m2		1,200	m2		1,200	m2		1,200	m2		1,200	6,000				
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	600	m2		600	m2		600	m2		600	m2		600	m2		600	m2		600	3,000				
Tree and stump removal	1	No.		0	No.		0	No.		0	No.		0	No.		1	No.		1	2				
	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	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	0				
Embankment/Fill		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0				
Drains full re-construction	315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	1,575				
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:																								