

Quantity Assessment						Loosuk-Suguta-Marmar							#	#	County:					SAMBURU					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						6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m		
Grass Cutting											m						m						m						m					m			
Grubbing						6	6	0	0	0	m	6	6	0	0	0	m	6	6	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		
^{*)} 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						1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		m2		7,000							
Grass Cutting								m2				m2				m2				m2				m2				m2									
Grubbing						1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		m2		7,000							
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		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				From: 9+000				To: 10+000				pg	11			
Chainage:	9+000				9+200				9+400				9+600				9+800				20+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ^ʏ															Aver. (m) 1 to 4 readings								
Bush Clearing	6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	6	6	0	0	0	m	6	6	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
^ʏ 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 ^ʏ															Aver. (m) 1 to 4 readings ^ʏ								
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
^ʏ 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	1,400	m2		1,400	m2		1,400	m2		1,400	m2		1,400	m2		1,400	m2		7,000					
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	1,000	m2		1,000	m2		1,000	m2		1,000	m2		1,000	m2		1,000	m2		5,000					
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		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				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 ^⁹															Aver. (m) 1 to 4 readings														
Bush Clearing	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	3	3	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	3	3	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	1,800	m2		1,800	m2		1,800	m2		1,800	m2		2,000	9,200																
Grass Cutting		m2			m2			m2			m2																			
Grubbing	1,400	m2		1,400	m2		1,400	m2		1,400	m2		1,600	7,200																
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)		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		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				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 ^ᶻ															Aver. (m) 1 to 4 readings								
Bush Clearing	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Tree and stump removal	0					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		
Height of cut > 0.25m	0	0			cm	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
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	1,500	m2		1,200	m2		1,200	m2		1,800	m2		1,800	m2		7,500								
Grass Cutting		m2			m2			m2			m2			m2										
Grubbing	1,800	m2		1,800	m2		1,800	m2		1,800	m2		1,800	m2		9,000								
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)		121	m3 (insitu)		121	m3 (insitu)		121	m3 (insitu)		121	m3 (insitu)		242								
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:																								

DETAILED IMPROVEMENT PLAN																														Page:	13													
Road Name: Loosuk-Suguta-Marmar										County: SAMBURU										From: 12+000					To: 13+000																			
Chain-age	(kilometres)		12 + 0				12 + 100				12 + 200				12 + 300				12 + 400				12 + 500				12 + 600				12 + 700				12 + 800				12 + 900				13 + 0	
	(metres)																																											
Road form.	Subgrade		LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG	LG											
	Cross section		A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	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	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES	RES											
	Choice of reshaping: L, T or E		L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E	L/E											
	Volume of ETL or Fill (m3/m)																																											
Gra-vel	Total	Thickness (cm,comp.)																																										
		Source (quarry No.)																																										
Longitudinal gradient (in %)			-1				-1				-1				-1				-1				-1				-1				-1													
Mitre drains	Total	Number left =		1				1				1				1				1				1																				
	6	Number right =																																										
Catch water	Total	Length of drain left =																																										
	0	Length of drain right =																																										
Culverts	N Ex	Chainage (m) = New line					12+220 N																									12+910 N												
		= Existing line																																										
		= Cross drainage					CD																									CD												
		= Access culvert/ drift																																										
	Length (m)		= Left/ right																																									
			Ø 450mm																																									
			Ø 600mm																																									
		Ø 900mm					8																									8												
Ramp		Earth fill (m3)																																										
		H. Concrete (m3)					IV																									IV												
Head-walls	Inlet (Material/Type)						I																								I													
	Outlet (Material/Type)						I																								I													
Scour Checks	HC	= Material this sheet/ Spacing left (m) =																																										
	0	Spacing right (m) = =Total No. this sheet																																										
Additional Instruction as per Reference																																												

Quantity Assessment						Loosuk-Suguta-Marmar						#	#	County:						SAMBURU						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 ^{*)}																		Aver. (m) 1 to 4 readings															
Bush Clearing						4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m				
Grass Cutting											m						m						m						m					m					
Grubbing						4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	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						1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		9,000											
Grass Cutting								m2				m2				m2				m2				m2															
Grubbing						1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		7,000											
Tree and stump removal						0		No.		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		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		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)		242		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:																																							

Quantity Assessment		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				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 ^{*)}																Aver. (m) 1 to 4 readings							
Bush Clearing		5	5	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Grass Cutting							m						m						m						m
Grubbing		5	5	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Tree and stump removal		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
Height of cut > 0.25m		0	0				cm	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
Sloping							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		1,600		m2		1,800		m2		1,800		m2		1,800		m2		1,800		8,800					
Grass Cutting				m2				m2				m2				m2									
Grubbing		1,200		m2		1,400		m2		1,400		m2		1,400		m2		1,400		6,800					
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)		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		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				From: 14+000				To: 15+000				pg	16			
Chainage:	14+000				14+200				14+400				14+600				14+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	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Tree and stump removal	0					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	1,800	m2		1,800	m2		1,800	m2		1,800	m2		1,800	m2		1,800	m2		9,000					
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	1,400	m2		1,400	m2		1,400	m2		1,400	m2		1,400	m2		1,400	m2		7,000					
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)			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						Loosuk-Suguta-Marmar							#	#	County:					SAMBURU					From: 15+000					To: 16+000					pg	17								
Chainage:						15+000					15+200					15+400					15+600					15+800					15+000													
Input Measurements:						Free Clearance Width for Calculating areas																																						
						Aver. (m) 1 to 4 readings ^{*)}																																		Aver. (m) 1 to 4 readings				
Bush Clearing						6	6	0	0	0	m	6	6	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	0	0	0	0	0	m									
Grass Cutting											m						m						m						m					m										
Grubbing						6	6	0	0	0	m	6	6	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	0	0	0	0	0	m									
Tree and stump removal						1	1				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						1,400	m2		1,400	m2		1,600	m2		1,600	m2							6,000																					
Grass Cutting							m2			m2			m2			m2																												
Grubbing						1,000	m2		1,000	m2		1,200	m2		1,200	m2							4,400																					
Tree and stump removal						1	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																					
Height of cut > 0.25m						0	m3 (insitu)			m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)							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)		242	m3 (insitu)							966																					
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:																																												