

DETAILED IMPROVEMENT PLAN																																	Page:	1											
Road Name: Loosuk-Suguta-Marmar				County: SAMBURU																From: 00+000				To: 01+000																					
Chain-age	(kilometres)	0 + 0				0 + 100				0 + 200				0 + 300				0 + 400				0 + 500				0 + 600				0 + 700				0 + 800				0 + 900				1 + 0			
	(metres)	0				100				200				300				400				500				600				700				800				900				1000			
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	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	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	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	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				1				1							
Mitre drains	Total																																												
	0																																												
Catch water	Total																																												
	0																																												
Culverts	N Ex	Chainage (m) = New line	0+030 N	0+050 N		0+100 N	0+120 N	0+160 N		0+200 N		0+250 N		0+350 N			0+450 N	0+450 N		0+500 N	0+530 N		0+600 N	0+620 N	0+680 N	0+740 N									0+950 N										
		= Existing line																																											
	CD	= Cross drainage																CD					CD	CD																					
	AC/D	= Access culvert/ drift	AC	AC		AC	AC	AC		AC		AC		AC			AC			AC	AC				AC	AC											AC								
	L/R	= Left/ right	R	R		L	R	R		L		R		R			L			L	L				R	L										R									
	Length (m)	Ø 450mm																																											
		Ø 600mm	4	4		4	4	4		4		4		4			6			6	6				6	6											6								
		Ø 900mm																8						8	8																				
Ramp	Earth fill (m3)																																												
	H. Concrete (m3)	IV	IV		IV	IV	IV		IV		IV		IV			IV	IV		IV	IV		IV	IV	IV	IV										IV										
Head-walls	Inlet (Material/Type)	I	I		I	I	I		I		I		I			I	I		I	I		I	I	I	I									I											
	Outlet (Material/Type)	I	I		I	I	I		I		I		I			I	I		I	I		I	I	I	I									I											
Scour Checks	HC	= Material this sheet/ Spacing left (m) =																																											
	0	=Spacing right (m) =																																											
Additional Instruction as per Reference		Loosuk centre				LG-Latitic Gravel																			JNCTN																				
		Loosuk pri																																											

Quantity Assessment		Loosuk-Suguta-Marmar				#	#	County:	SAMBURU				From:	00+000				To:	01+000				pg	2	
Chainage:		0+000				0+200				0+400				0+600				0+800				1+000			
Input Measurements:		Free Clearance Width for Calculating areas																							
		Aver. (m) 1 to 4 readings ^{*)}																Aver. (m) 6							
Bush Clearing		6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m	9	9	0	0	0	m
Grass Cutting							m						m						m		6				m
Grubbing		6	6	0	0	0	m	6	6	0	0	0	m	6	6	0	0	0	m	9	9	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		1,400	m2		1,400	m2		1,400	m2		1,400	m2		800	6,400										
Grass Cutting			m2			m2			m2			m2													
Grubbing		1,000	m2		1,000	m2		1,000	m2		1,000	m2		400	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)		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: 1+000				To: 2+000				pg	3																	
Chainage:	1+000				1+200				1+400				1+600				1+800				2+000																	
Input Measurements:	Free Clearance Width for Calculating areas																																					
	Aver. (m)		1 to 4 readings ^{*)}			6		6		0		0		0		m	6		6		0		0		0		m	6		6		0		0		0		m
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:	Aver. (m)		1 to 4 readings ^{*)}			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								
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		7,000																						
Grass Cutting		m2			m2			m2			m2			m2																								
Grubbing	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																						
	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:																																						

Quantity Assessment		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				From: 2+000				To: 3+000				pg	4			
Chainage:	2+000				2+200				2+400				2+600				2+800				2+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ^{⁹)}																							
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
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)}																							
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
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	9,000													
Grass Cutting		m2			m2			m2																
Grubbing	1,400	m2		1,400	m2		1,400	m2		1,400	7,000													
Tree and stump removal	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	0													
Height of cut > 0.25m	0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	0													
Embankment/Fill		m3 (insitu)			m3 (insitu)			m3 (insitu)			0													
Drains full re-construction	242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		242	1,208													
Reshaping by Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)																
By Towed Grader/Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)																
By Equipment Based Method		m3 (insitu)			m3 (insitu)			m3 (insitu)																
Data Collected by: Name: Date:Signature:																								

DETAILED IMPROVEMENT PLAN																																	Page:	4												
Road Name: Loosuk-Suguta-Marmar										County: SAMBURU										From: 3+000					To: 4+000																					
Chain-age	(kilometres)		3 + 0				3 + 100				3 + 200				3 + 300				3 + 400				3 + 500				3 + 600				3 + 700				3 + 800				3 + 900				4 + 0			
	(metres)		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	LG	LG	LG	LG									
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	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	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	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	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				3				-2			-4			-2			1			5			4			3			3														
Mitre drains	Total	Number left =															1																													
	3	Number right =												1						1																										
Catch water	Total	Length of drain left =																																												
	0	Length of drain right =																																												
Culverts	N Ex	Chainage (m) = New line												3+310N								3+570N				3+600N	3+640N	3+680N																		
		= Existing line																																												
	CD AC/D L/R	= Cross drainage												CD											CD																					
		= Access culvert/ drift																				AC					AC	AC																		
	Length (m)	= Left/ right																				L					L	L																		
		Ø 450mm																																												
		Ø 600mm																										4	4																	
	Ramp	Ø 900mm												16											8																					
Earth fill (m3)																																														
Head-walls	Inlet (Material/Type)													I								I			I	I	I																			
	Outlet (Material/Type)													I								I			I	I	I																			
Scour Checks	HC	= Material this sheet/ Spacing left (m) =	20	20			20	20			20	20		20	20									20	20		20	20			20	20			20	20										
	40	Spacing right (m) = =Total No. this sheet	20	20			20	20			20	20		20	20									20	20		20	20			20	20			20	20										
Additional Instruction as per Reference																	JNCTN					Existing Drift, proposed 6No.Cell 900Dia CPC																								

Quantity Assessment		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				From: 3+000				To: 4+000				pg	5				
Chainage:		3+000				3+200				3+400				3+600				3+800				4+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	3	3	0	0	0	m	3	3	0	0	0	m
Grass Cutting							m						m						m						m
Grubbing		4	4	0	0	0	m	4	4	0	0	0	m	3	3	0	0	0	m	3	3	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	0	cm
Height of cut > 0.25m		0	0				cm	0					cm	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
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		1,800	m2		1,800	m2		2,000	m2		2,000	m2		2,000	9,600										
Grass Cutting			m2			m2			m2			m2													
Grubbing		1,400	m2		1,400	m2		1,600	m2		1,600	m2		1,600	7,600										
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)		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: 4+000				To: 5+000				pg	6			
Chainage:	4+000				4+200				4+400				4+600				4+800				5+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ^{⁹)}															Aver. (m) 1 to 4 readings								
Bush Clearing	3	3	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	3	3	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m
Tree and stump removal	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
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
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	2,000	m2		2,000	m2		2,000	m2		2,000	m2		2,000	m2		2,000	m2		10,000					
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,600	m2		8,000					
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)							
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: 5+000				To: 6+000				pg	7						
Chainage:		5+000				5+200				5+400				5+600				5+800				6+000									
Input Measurements:		Free Clearance Width for Calculating areas																													
		Aver. (m) 1 to 4 readings ^{*)}																				Aver. (m) 1 to 4 readings									
Bush Clearing		3	3	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m
Grass Cutting							m						m						m						m						m
Grubbing		3	3	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m	3	3	0	0	0	m	3	3	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		2,000		m2		1,800		m2		1,800		m2		2,000		m2		2,000		9,600											
Grass Cutting				m2				m2				m2				m2															
Grubbing		1,600		m2		1,400		m2		1,400		m2		1,600		m2		1,600		7,600											
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)		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:																															

[illegible]

Quantity Assessment		Loosuk-Suguta-Marmar				#	#	County: SAMBURU				From: 6+000				To: 7+000				pg	8										
Chainage:		6+000				6+200				6+400				6+600				6+800				7+000									
Input Measurements:		Free Clearance Width for Calculating areas																													
		Aver. (m) 1 to 4 readings ^{*)}																Aver. (m) 1 to 4 readings													
Bush Clearing		3	3	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m	4	4	0	0	0	m	4	4	0	0	0	m
Grass Cutting							m						m						m						m						m
Grubbing		3	3	0	0	0	m	3	3	0	0	0	m	3	3	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		2,000		m2		2,000		m2		2,000		m2		1,800		m2		1,800		9,600											
Grass Cutting				m2				m2				m2				m2															
Grubbing		1,600		m2		1,600		m2		1,600		m2		1,400		m2		1,400		7,600											
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)		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: 7+000				To: 8+000				pg	9
Chainage:		7+000				7+200				7+400				7+600				7+800				8+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	6	6	0	0	0	m	6	6	0	0	0	m
Grass Cutting							m						m						m						m
Grubbing		4	4	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
*) 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		1,800	m2		1,800	m2		1,400	m2		1,400	m2		1,400	7,800										
Grass Cutting			m2			m2			m2			m2													
Grubbing		1,400	m2		1,400	m2		1,000	m2		1,000	m2		1,000	5,800										
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)		189	m3 (insitu)		189	m3 (insitu)			378										
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:																									