

Summary from the Improvement Plan - Batch 2

SOSIAN KIMURUN BATCH 2

Item		04-50-003	04-50-004	04-50-006	04-50-007	04-50-009	05-50-004	05-05-002	05-05-003
KM	Bush/Site Clearing M2					Grubbing	ETL	Drains m3	
	Light	Heavy	Total	200-450	>450	m ²	m ³	Soft	Hard
1	8,000	800	8,800	-	-	7,000	10	1,874	187
2	8,000	800	8,800	-	-	7,000	10	1,744	174
3	8,000	800	8,800	-	-	7,000	10	1,561	156
4	8,000	800	8,800	-	-	7,000	10	1,420	142
5	8,000	800	8,800	-	-	7,000	10	2,392	239
6	8,000	800	8,800	-	-	7,000	10	2,392	239
7	8,000	800	8,800	-	-	7,000	10	2,392	239
8	8,000	800	8,800	-	-	7,000	10	2,392	239
9	8,000	800	8,800	-	-	7,000	10	2,392	239
10	8,000	800	8,800	-	-	7,000	10	2,392	239
11	8,000	800	8,800	-	-	7,000	10	2,392	239
12	4,800	480	5,280	-	-	4,200	10	1,507	151
Total	92,800	9,280	102,080	-	-	81,200	120	24,853	2,485

Item	08-60-025						08-80-001	08-60-019 & 08-60-020			08-50-005	08-50-006	08-70-009	10-60-001
KM	CULVERTS(M)						Type (No)	T1 No	T2 No	T4 No	MITRE No	C/ W	S/ C	Gravel (150mm) m3
	900	600	Total	CD	AC	AD						m	L No R No	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	720
2	6	-	6	1	-	-	1	1	-	-	-	-	-	-
3	7	-	7	1	-	-	1	1	-	-	-	-	-	720
4	53	-	53	1	-	1	1	1	-	-	-	-	-	72
5	-	-	-	2	-	-	2	2	-	-	-	-	-	-
6	7	12	19	3	-	-	3	3	-	-	-	-	-	360
7	7	8	15	2	-	-	2	2	-	-	-	-	-	720
8	-	13	13	2	-	-	2	2	-	-	-	-	-	720
9	9	6	15	2	-	-	2	2	-	-	-	-	-	576
10	-	-	-	2	-	-	2	2	-	-	-	-	-	720
11	-	-	-	2	-	-	2	2	-	-	-	-	-	720
12	-	-	-	-	-	-	-	-	-	-	-	-	-	230
Total	88	39	126	18	-	1	18	18	-	-	-	-	-	5,558

[illegible]

Quantity Assessment	Road No.	County	From: 0+000	To: 1+000	Page: 1
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Chainage:	0+000	0+200	0+400	0+600	0+800	1+000
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Measurements for Clearing:

	Aver. (m)	1 to 4 readings*		
Bush Clearing	8	8	8	8
Grass Cutting				
Grubbing	7	7	7	7
0 Tree and Stump Removal	0			

Free Clearance Width for Calculating areas

	Aver. (m)	1 to 4 readings*		
m	8	8	8	8
m				
m	7	7	7	7
m	0			

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

Estimated measurements for small cut to fill:

Height of cut < 0.25m	6	cm	8	cm	14	cm	19	cm	19
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Height of Cut for calculating volumes

cm	8	cm	14	cm	19	cm	19
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For Reshaping:

Existing Roads	9	cm	24	cm	28	cm	17	cm	17
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Difference in Level between Exist. Camber and Side Drain for calculating volumes

cm	24	cm	28	cm	17	cm	17
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Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	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	0
										0
Height of cut < 0.25m	0	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	443	m3 (insitu)	281	m3 (insitu)	238	m3 (insitu)	356	m3 (insitu)	356	1,674
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

[illegible]

Quantity Assessment				County				From: 1+000				To: 2+000				Page: 2							
Chainage: 1+000				1+200				1+400				1+600				1+800				2+000			

Measurements for Clearing:																				Free Clearance Width for Calculating areas																																							
1 to 4 readings*)																				Aver. (m)																				1 to 4 readings*)																			
Bush Clearing		8	8		8				m	8		8		8				m	8		8		8				m	8		8		8				m																							
Grass Cutting									m									m									m								m																								
Grubbing		7	7		7				m	7		7		7				m	7		7		7				m	7		7		7				m																							
0 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).

Estimated measurements for small cut to fill:																				Height of Cut for calculating volumes																			
Height of cut < 0.25m								cm	14								cm	16								cm	18							cm					

For Reshaping:																				Difference in Level between Exist. Camber and Side Drain for calculating volumes																			
Existing Roads		13							36								10								20							cm	28						cm

Quantities										Total this page	
Bush Clearing		1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting			m2		m2		m2		m2		0
Grubbing		1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal			No.	0	No.	0	No.	0	No.	0	0
										0	
Height of cut < 0.25m			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour		400	m3 (insitu)	151	m3 (insitu)	432	m3 (insitu)	324	m3 (insitu)	238	1,544
By Towed Grader / Labour			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

Quantity Assessment		County		Lail`		From: 2+000		To: 3+000		Page: 3	
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Chainage:	2+000	2+200	2+400	2+600	2+800	3+000
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Measurements for Clearing:

	###	1 to 4 readings*														
Bush Clearing	8	8			8											
Grass Cutting																
Grubbing	7	7			7											
0 Tree and Stump Removal	0															

Free Clearance Width for Calculating areas

	Aver. (m)	1 to 4 readings*															
m	8	8			8												
m																	
m	7	7			7												
m	0																

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

Estimated measurements for small cut to fill:

Height of cut < 0.25m	23																
	cm	21															

Height of Cut for calculating volumes

cm	8																
cm	8																

For Reshaping:

Existing Roads	30																
		21															

Difference in Level between Exist. Camber and Side Drain for calculating volumes

cm	3																
cm	29																

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

Quantity Assessment		County										From: 3+000										To: 4+000										Page: 4																													
Chainage:		3+000										3+200										3+400										3+600										3+800										4+000									
Measurements for Clearing:		### 1 to 4 readings*)										Free Clearance Width for Calculating areas										Aver. (m) 1 to 4 readings*)																																							
Bush Clearing	8	8	8	8		m	8	8	8	8		m	8	8	8	8		m	8	8	8	8		m	8	8	8	8		m																															
Grass Cutting						m						m						m						m						m																															
Grubbing	7	7	7	7		m	7	7	7	7		m	7	7	7	7		m	7	7	7	7		m	7	7	7	7		m																															
0 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).																																																													
Estimated measurements for small cut to fill:		Height of Cut for calculating volumes																																																											
Height of cut < 0.25m						cm	22					cm	7					cm	18					cm	8					cm																															
For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes																																																											
Existing Roads	16						36						44						18						cm	23					cm																														
Quantities																						Total this page																																							
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000																																											
Grass Cutting		m2		m2		m2		m2		m2		m2		m2		m2	0																																												
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	7,000																																												
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	No.	0																																												
																	0																																												
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0																																												
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	9	m3 (insitu)		m3 (insitu)	4	m3 (insitu)		m3 (insitu)	13																																												
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0																																												
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0																																												
Reshaping by Labour	367.2	m3 (insitu)	151	m3 (insitu)	65	m3 (insitu)	346	m3 (insitu)	292	m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	1,220																																												
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0																																												
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0																																												
Quantities verified and accepted by the Contractor																	Name:	Date:	Signature:																																										
For the Employer																	Name:	Date:	Signature:																																										

Road Improvement Plan				County				Laikipia				From:				4+000				To:				5+000				Page:				5																																																																																																																																																																																																																																																																																																																																																																																																																		
Chain- age	(kilometres)		Road form.	(metres)		4+100	4+200	4+300	4+400	4+500	4+600	4+700	4+800	4+900	5+000	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L																																																																																																																																																																																																																																																																																																																																																																																																															
	Subgrade			Cross section																																Method: RES, ETL or Fill		Choice of reshaping: L, T or E		Volume of ETL or Fill (m3/m)		Thickens (cm,comp.)		Heavy Grading (HG)		Thickens (cm,comp.)		Source (quarry No.)		Longitudinal gradient (in %)		Total		Number left =		Number right =		Total		Length of drain left =		Length of drain right =		Chainage (m) New / Existing line		= Cross drainage		= Access culvert/drift		= Left/right		Ø 450 mm		Ø 600mm		Ø 900 mm		Earth fill (m3)		Haunch Type		Inlet (Material/Type)		Outlet (Material/Type)		= Material this sheet/ Spacing left (m) =		Spacing right (m) =		=Total No. this sheet		Additional Instruction as per Reference																																																																																																																																																																																																																																																																																																																																																						
Earthworks/ Reshaping	Total	0	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L	G	A	FILL	L

Quantity Assessment		County		Lail		From: 4+000		To: 5+000		Page: 5	
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Chainage:	4+000	4+200	4+400	4+600	4+800	5+000
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Measurements for Clearing:

	1 to 4 readings*								
Bush Clearing	8	8	8	8		m	8	8	8
Grass Cutting						m			
Grubbing	7	7	7			m	7	7	7
0 Tree and Stump Removal	0					m	0		

Free Clearance Width for Calculating areas

	Aver. (m)					1 to 4 readings*			
m	8	8	8			m	8	8	8
m						m			
m	7	7	7			m	7	7	7
m	0					m	0		

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

Estimated measurements for small cut to fill:

Height of cut < 0.25m	7					cm	9				cm	1				cm	16				cm
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Height of Cut for calculating volumes

For Reshaping:

Existing Roads	12						10					7					10				cm	8				cm
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Difference in Level between Exist. Camber and Side Drain for calculating volumes

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

Quantity Assessment				County				Lail				From: 5+000				To: 6+000				Page: 6							
Chainage:				5+000				5+200				5+400				5+600				5+800				6+000			

Measurements for Clearing:																				Free Clearance Width for Calculating areas																			
										1 to 4 readings*)																				Aver. (m) 1 to 4 readings*)									
Bush Clearing		8	8		8			m	8	8		8			m	8	8		8			m	8	8		8			m										
Grass Cutting																																							
Grubbing		7	7		7				7	7		7				7	7		7				7	7		7													
0 Tree and Stump Removal		0							0							0							0																

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

Estimated measurements for small cut to fill:										Height of Cut for calculating volumes																											
Height of cut < 0.25m		7						cm	9						cm								cm	1						cm	16						cm

For Reshaping:										Difference in Level between Exist. Camber and Side Drain for calculating volumes																								
Existing Roads		12							10						7							10					cm	8						cm

Quantities										Total this page	
Bush Clearing		1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting											0
Grubbing		1400		1,400		1,400		1,400		1,400	7,000
Tree and Stump Removal				No.		0		No.		0	No.
										0	
Height of cut < 0.25m			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m										0	
Embankment										0	
Drains full re-construction										0	
Reshaping by Labour		410		432		464		432		454	2,192
By Towed Grader / Labour										0	
By Equipment Based Meth.										0	

Quantities verified and accepted by the Contractor				Name:		Date:		Signature:	
For the Employer				Name:		Date:		Signature:	

Quantity Assessment		County		Lail		From: 6+000		To: 7+000		Page: 7	
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Chainage:	6+000	6+200	6+400	6+600	6+800	7+000
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Measurements for Clearing:

	1 to 4 readings*								
Bush Clearing	8	8	8	8		m	8	8	8
Grass Cutting						m			
Grubbing	7	7	7	7		m	7	7	7
0 Tree and Stump Removal	0					m	0		

Free Clearance Width for Calculating areas

	Aver. (m)					1 to 4 readings*									
m	8	8	8	8		m	8	8	8		m	8	8	8	
m						m					m				
m	7	7	7	7		m	7	7	7		m	7	7	7	
m	0					m	0				m	0			

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

Estimated measurements for small cut to fill:

Height of cut < 0.25m	7					cm	9					cm	1					cm	16					cm
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Height of Cut for calculating volumes

For Reshaping:

Existing Roads	12						10					7					10				cm	8				cm
----------------	----	--	--	--	--	--	----	--	--	--	--	---	--	--	--	--	----	--	--	--	----	---	--	--	--	----

Difference in Level between Exist. Camber and Side Drain for calculating volumes

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____

[illegible]

Quantity Assessment				County				Lail				From: 7+000				To: 8+000				Page: 8							
Chainage:				7+000				7+200				7+400				7+600				7+800				8+000			

Measurements for Clearing:																				Free Clearance Width for Calculating areas																			
										1 to 4 readings*)																				Aver. (m) 1 to 4 readings*)									
Bush Clearing	8	8		8			m	8	8		8	m	8	8		8	m	8	8		8	m	8	8		8	m												
Grass Cutting							m					m					m					m					m												
Grubbing	7	7		7			m	7	7		7	m	7	7		7	m	7	7		7	m	7	7		7	m												
0 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).

Estimated measurements for small cut to fill:										Height of Cut for calculating volumes															
Height of cut < 0.25m	7					cm	9			cm					cm	1				cm	16				cm

For Reshaping:																				Difference in Level between Exist. Camber and Side Drain for calculating volumes																			
Existing Roads	12						10				7					10				cm	8				cm														

Quantities										Total this page	
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000	
Grass Cutting		m2		m2		m2		m2		0	
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000	
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0	
										0	
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192	
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0	

Quantities verified and accepted by the Contractor					Name:					Date:					Signature:				
For the Employer					Name:					Date:					Signature:				

[illegible]

Quantity Assessment				County				Lail				From: 8+000				To: 9+000				Page: 9							
Chainage:				8+000				8+200				8+400				8+600				8+800				9+000			

Measurements for Clearing:																				Free Clearance Width for Calculating areas																			
										1 to 4 readings*)																				Aver. (m) 1 to 4 readings*)									
Bush Clearing		8	8		8			m		8		8		8			m		8		8		8			m		8		8		8			m				
Grass Cutting								m									m									m								m					
Grubbing		7	7		7			m		7		7		7			m		7		7		7			m		7		7		7			m				
0 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).

Estimated measurements for small cut to fill:																				Height of Cut for calculating volumes																																											
Height of cut < 0.25m										7					cm	9															cm	1															cm	16															cm

For Reshaping:																				Difference in Level between Exist. Camber and Side Drain for calculating volumes																																																									
Existing Roads										12						10															7															10															cm	8															cm

Quantities																				Total this page	
Bush Clearing		1600	m2	1,600		m2	1,600		m2	1,600		m2	1,600		m2	1,600		8,000			
Grass Cutting			m2			m2			m2			m2			m2			0			
Grubbing		1400	m2	1,400		m2	1,400		m2	1,400		m2	1,400		m2	1,400		7,000			
Tree and Stump Removal			No.	0		No.	0		No.	0		No.	0		No.	0		0			
																				0	
Height of cut < 0.25m			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0			
Height of cut > 0.25m			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0			
Embankment			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0			
Drains full re-construction			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0			
Reshaping by Labour		410	m3 (insitu)	432		m3 (insitu)	464		m3 (insitu)	432		m3 (insitu)	454		2,192						
By Towed Grader / Labour			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0						
By Equipment Based Meth.			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			0						

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

Quantity Assessment				County				Lail				From: 9+000				To: 10+000				Page: 10							
Chainage:				9+000				9+200				9+400				9+600				9+800				10+000			

Measurements for Clearing:																				Free Clearance Width for Calculating areas																			
										1 to 4 readings*)																				Aver. (m) 1 to 4 readings*)									
Bush Clearing		8	8		8			m	8	8		8			m	m		8	8		8			m	8	8		8			m	m							
Grass Cutting								m							m	m								m							m	m							
Grubbing		7	7		7			m	7	7		7			m	m		7	7		7			m	7	7		7			m	m							
0	Tree and Stump Removal		0					m	0						m	m		0						m	0						m	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).

Estimated measurements for small cut to fill:																				Height of Cut for calculating volumes																			
Height of cut < 0.25m										7					cm	9					cm						cm	1					cm	16					cm

For Reshaping:																				Difference in Level between Exist. Camber and Side Drain for calculating volumes																			
Existing Roads										12						10						7						10						8					

Quantities																				Total this page	
Bush Clearing		1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	m2	1,600		8,000					
Grass Cutting			m2		m2		m2		m2		m2		m2		0						
Grubbing		1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000						
Tree and Stump Removal			No.	0	No.	0	No.	0	No.	0	No.	0	No.	0	0						
															0						
Height of cut < 0.25m			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0						
Height of cut > 0.25m			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0						
Embankment			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0						
Drains full re-construction			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0						
Reshaping by Labour		410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	m3 (insitu)	2,192									
By Towed Grader / Labour			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0									
By Equipment Based Meth.			m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0									

Quantities verified and accepted by the Contractor					Name:					Date:					Signature:				
For the Employer					Name:					Date:					Signature:				

[illegible]

Quantity Assessment		County		Lail`		From: 10+000		To: 11+000		Page: 11	
Chainage:		10+000		10+200		10+400		10+600		11+000	

Measurements for Clearing:		Free Clearance Width for Calculating areas																			
		Aver. (m) 1 to 4 readings*)																			
Bush Clearing	8	8		8			m	8	8		8			m	8	8		8			m
Grass Cutting							m							m							m
Grubbing	7	7		7			m	7	7		7			m	7	7		7			m
0 Tree and Stump Removal	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).

Estimated measurements for small cut to fill:		Height of Cut for calculating volumes																						
Height of cut < 0.25m	7					cm	9					cm	1					cm	16					cm

For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes																								
Existing Roads	12						10					7					10					8				

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2	1,600	m2	1,600	8,000
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2	1,400	m2	1,400	7,000
Tree and Stump Removal		No.	0	No.	0	No.	0	No.	0	0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)	432	m3 (insitu)	454	2,192
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor		Name:	Date:	Signature:
For the Employer		Name:	Date:	Signature:

Quantity Assessment		County		Lail		From: 11+000		To: 11+316		Page: 12	
Chainage:		11+000		11+200		11+400					

Measurements for Clearing:

	1 to 4 readings*										
Bush Clearing	8	8	8	8		m	8	8	8		
Grass Cutting						m					
Grubbing	7	7	7			m	7	7	7		
0 Tree and Stump Removal	0					m	0				

Free Clearance Width for Calculating areas

	Aver. (m)					1 to 4 readings*					
m	8	8	8			m					m
m						m					m
m	7	7	7			m					m
m	0					m					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).

Estimated measurements for small cut to fill:

Height of cut < 0.25m	7					cm	9				cm					cm					cm
-----------------------	---	--	--	--	--	----	---	--	--	--	----	--	--	--	--	----	--	--	--	--	----

Height of Cut for calculating volumes

						cm					cm					cm					cm
--	--	--	--	--	--	----	--	--	--	--	----	--	--	--	--	----	--	--	--	--	----

For Reshaping:

Existing Roads	12						10					7									cm
----------------	----	--	--	--	--	--	----	--	--	--	--	---	--	--	--	--	--	--	--	--	----

Difference in Level between Exist. Camber and Side Drain for calculating volumes

																cm					cm
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----	--	--	--	--	----

Quantities										Total this page
Bush Clearing	1600	m2	1,600	m2	1,600	m2		m2		4,800
Grass Cutting		m2		m2		m2		m2		0
Grubbing	1400	m2	1,400	m2	1,400	m2		m2		4,200
Tree and Stump Removal		No.	0	No.	0	No.		No.		0
										0
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Height of cut > 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Drains full re-construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour	410	m3 (insitu)	432	m3 (insitu)	464	m3 (insitu)		m3 (insitu)		1,307
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0

Quantities verified and accepted by the Contractor

For the Employer

Name: _____ Date: _____ Signature: _____

Name: _____ Date: _____ Signature: _____