

Quantity Assessment		North Horr (B75 JNCN)- Dukana(B76 - -										County: MARSABIT										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 ^{*)}																								Aver. (m) 1 to 4 readings							
Bush Clearing	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m		
Grass Cutting						m						m						m						m						m		
Grubbing	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	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	2,200		m2		2,200		m2		2,200		m2		2,200		m2		2,200		m2		2,200		11,000									
Grass Cutting			m2				m2				m2				m2				m2													
Grubbing	1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		9,000									
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	162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		810									
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		North Horr (B75 JNCN)- Dukana(B76 - -										County: MARSABIT										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 ^{*)}																									Aver. (m) 1 to 4 readings																
Bush Clearing		2	2	0	0	0	m	2	2	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m	2	2	0	0	0	m												
Grass Cutting							m						m						m						m						m												
Grubbing		2	2	0	0	0	m	2	2	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m	2	2	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		2,200		m2		2,200		m2		2,000		m2		2,000		m2		2,200		10,600																							
Grass Cutting				m2				m2				m2				m2																											
Grubbing		2,200		m2		2,200		m2		2,000		m2		2,000		m2		2,200		10,600																							
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		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		810																							
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		North Horr (B75 JNCN)- Dukana(B76 - -										County: MARSABIT										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		2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m											
Grass Cutting							m						m						m						m						m											
Grubbing		2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	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		2,200		m2		2,200		m2		2,200		m2		2,200		m2		2,200		m2		2,200		m2		2,200		11,000														
Grass Cutting				m2				m2				m2				m2				m2				m2																		
Grubbing		1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		m2		1,800		9,000														
Tree and stump removal		0		No.		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		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		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		810														
Drains full re-construction		242		m3 (insitu)		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)				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		North Horr (B75 JNCN)- Dukana(B76 - -										County: MARSABIT		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	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	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	2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	m2		11,000								
Grass Cutting		m2			m2			m2			m2			m2			m2			m2										
Grubbing	1,800	m2		1,800	m2		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	No.		0	No.		0								
	Quantities																				Total this page									
Height of cut < 0.25m	0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0								
Height of cut > 0.25m	0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0								
Embankment/Fill	162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		810								
Drains full re-construction	242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		242	m3 (insitu)		1,208								
Reshaping by Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)										
By Towed Grader/Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)										
By Equipment Based Method		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)										
Data Collected by: Name: Date: Signature:																														

Quantity Assessment		North Horr (B75 JNCN)- Dukana(B76 - -										County: MARSABIT										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 ^{*)}																									Aver. (m) 1 to 4 readings																
Bush Clearing		2	2	0	0	0	m	2	2	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						m												
Grubbing		2	2	0	0	0	m	2	2	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	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		2,200		m2		2,200		m2		2,000		m2		2,000		m2		2,000		m2		10,400																					
Grass Cutting				m2				m2				m2				m2				m2																							
Grubbing		1,800		m2		1,800		m2		1,600		m2		1,600		m2		1,600		m2		8,400																					
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)		162		m3 (insitu)		0		m3 (insitu)		0		m3 (insitu)		162		m3 (insitu)		324																					
Embankment/Fill		162		m3 (insitu)		81		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		81		m3 (insitu)		648																					
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		North Horr (B75 JNCN)- Dukana(E #				#	County: MARSABIT				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 ^⁹																		Aver. (m) 1 to 4 readings					
Bush Clearing	0	0	0	0	0	m	0	0	0	0	0	m	0	0	0	0	0	m	0	0	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	0	0	0	0	0	m	0	0	0	0	0	m	0	0	0	0	0	m	0	0	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	2,600	m2		2,600	m2		2,600	m2		2,600	m2		2,600	m2		2,600	m2		13,000					
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	m2		11,000					
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	324	m3 (insitu)		324	m3 (insitu)		324	m3 (insitu)		324	m3 (insitu)		324	m3 (insitu)		324	m3 (insitu)		1,620					
Embankment/Fill		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)		378	m3 (insitu)		378	m3 (insitu)		756					
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		North Horr (B75 JNCN)- Dukana(E		#	#	County:		MARSABIT		From: 16+000		To: 17+000		pg	2										
Chainage:		16+000			16+200			16+400			16+600			16+800			17+000								
Input Measurements:		Free Clearance Width for Calculating areas																							
		Aver. (m) 1 to 4 readings ^{*)}										Aver. (m) 1 to 4 readings													
Bush Clearing		2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m
Grass Cutting							m						m						m						m
Grubbing		2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	2	2	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		2,200	m2		2,200	m2		2,200	m2		2,200	m2		2,200	11,000										
Grass Cutting			m2			m2			m2			m2													
Grubbing		1,800	m2		1,800	m2		1,800	m2		1,800	m2		1,800	9,000										
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		162	m3 (insitu)		81	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	729										
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		North Horr (B75 JNCN)- Dukana(E #		#	County: MARSABIT		From: 17+000		To: 18+000		pg 3
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Chainage:	17+000				17+200				17+400				17+600				17+800				18+000									
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^{*)}																		Aver. (m) 1 to 4 readings											
Bush Clearing	2	2	0	0	0	m	2	2	0	0	0	m	2	2	0	0	0	m	3	3	0	0	0	m	3	3	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	2	2	0	0	0	m	2	2	0	0	0	m	2	2	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	2,200		m2		2,200		m2		2,200		m2		2,000		m2		2,000		10,600											
Grass Cutting			m2				m2				m2				m2															
Grubbing	1,800		m2		1,800		m2		1,800		m2		1,600		m2		1,600		8,600											
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	162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		81		m3 (insitu)		81		648											
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		North Horr (B75 JNCN)- Dukana(E		#	#	County: MARSABIT		From: 18+000		To: 19+000		pg	4												
Chainage:		18+000			18+200			18+400			18+600			18+800		19+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	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	1	1				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		2,000	m2		2,000	m2		2,000	m2		2,000	m2		2,000	10,000										
Grass Cutting			m2			m2			m2			m2													
Grubbing		1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,600	8,000										
Tree and stump removal		0	No.		1	No.		0	No.		0	No.		0	1										
		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		81	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	m3 (insitu)		162	729										
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		North Horr (B75 JNCN)- Dukana(E #					#	County: MARSABIT					From: 19+000					To: 20+000					pg	5							
Chainage:		19+000					19+200					19+400					19+600					19+800					20+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	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	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	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		2,000		m2		2,000		10,000											
Grass Cutting				m2				m2				m2				m2															
Grubbing		1,600		m2		1,600		m2		1,600		m2		1,600		m2		1,600		8,000											
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		162		m3 (insitu)		81		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		729											
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:																															