

[illegible]

Quantity Assessment		North Horr (B75 JNCN)- Dukana(E #				#	County: MARSABIT				From: 20+000				To: 21+000				pg	6										
Chainage:	20+000				20+200				20+400				20+600				20+800				21+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	5	5		0	0	0	m	5	5	0	0	0
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	5	5	0	0	0	m	5	5	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		1,600	m2		1,600	9,200																
Grass Cutting		m2			m2			m2			m2																			
Grubbing	1,600	m2		1,600	m2		1,600	m2		1,200	m2		1,200	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	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(E #					#	County: MARSABIT					From: 21+000					To: 22+000					pg	7						
Chainage:	21+000					21+200					21+400					21+600					21+800					22+000				
Input Measurements:	Free Clearance Width for Calculating areas																													
	Aver. (m) 1 to 4 readings ^⁹																		Aver. (m) 1 to 4 readings											
Bush Clearing	5	5	0	0	0	m	5	5	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	5	5	0	0	0	m	5	5	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
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	1,600		m2		1,600		m2		2,000		m2		2,000		m2		2,000		9,200											
Grass Cutting			m2				m2				m2				m2															
Grubbing	1,200		m2		1,200		m2		1,600		m2		1,600		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	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(E #				#	County: MARSABIT				From: 22+000				To: 23+000				pg	8				
Chainage:	22+000				22+200				22+400				22+600				22+800				23+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	5	5	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	5	5	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	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	2,000	m2		2,000	m2		2,000	m2		2,000	m2		1,600	9,600										
Grass Cutting		m2			m2			m2			m2													
Grubbing	1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,200	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	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(E #					#	County: MARSABIT					From: 23+000					To: 24+000					pg	9						
Chainage:	23+000					23+200					23+400					23+600					23+800					23+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	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
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	2,000		m2		2,000		m2		2,000		m2		2,000		m2		2,000		m2		2,000		10,000							
Grass Cutting			m2				m2				m2				m2				m2											
Grubbing	1,600		m2		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		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(E #					#	County: MARSABIT					From: 24+000					To: 25+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 ^⁹																													
Bush Clearing	3	3	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m
Grass Cutting						m						m						m						m						m
Grubbing	3	3	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	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	2,000		m2		1,600		m2		1,600		m2		1,600		m2		1,600		m2		1,600		8,400							
Grass Cutting			m2				m2				m2				m2				m2											
Grubbing	2,000		m2		1,600		m2		1,600		m2		1,600		m2		1,600		m2		1,600		8,400							
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(E #				#	County: MARSABIT				From: 25+000				To: 26+000				pg 11					
Chainage:	25+000				25+200				25+400				25+600				25+800				26+000			
Input Measurements:	Free Clearance Width for Calculating areas																							
	Aver. (m) 1 to 4 readings ^⁹															Aver. (m) 1 to 4 readings								
Bush Clearing	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m
Grass Cutting						m						m						m						m
Grubbing	5	5	0	0	0	m	5	5	0	0	0	m	5	5	0	0	0	m	5	5	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	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	1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,600	m2		1,600	m2		8,000					
Grass Cutting		m2			m2			m2			m2			m2			m2							
Grubbing	1,200	m2		1,200	m2		1,200	m2		1,200	m2		1,200	m2		1,200	m2		6,000					
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	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)		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: 26+000					To: 27+000					pg 12							
Chainage:	26+000					26+200					26+400					26+600					26+800					27+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	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
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		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	162		m3 (insitu)		378		m3 (insitu)		378		m3 (insitu)		378		m3 (insitu)		378		m3 (insitu)		378		1,674							
Drains full re-construction	242		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		315		1,502							
Reshaping by Labour			m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)											
By Towed Grader/Labour			m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)											
By Equipment Based Method			m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)				m3 (insitu)											
Data Collected by: Name: Date:Signature:																														

Quantity Assessment		North Horr (B75 JNCN)- Dukana(E #				#	County: MARSABIT				From: 27+000				To: 28+000				pg 13					
Chainage:	27+000				27+200				27+400				27+600				27+800				28+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
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															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	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
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		1,800	m2		1,800	m2		9,000					
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		9,000					
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	378	m3 (insitu)		378	m3 (insitu)		378	m3 (insitu)		378	m3 (insitu)		378	m3 (insitu)		378	m3 (insitu)		1,890					
Drains full re-construction	315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		315	m3 (insitu)		1,575					
Reshaping by Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			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: 28+000					To: 29+000					pg 14							
Chainage:	28+000					28+200					28+400					28+600					28+800					28+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	3	3	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	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
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		2,000		m2		2,000		9,400											
Grass Cutting			m2				m2				m2				m2															
Grubbing	1,400		m2		1,400		m2		1,400		m2		1,600		m2		1,600		7,400											
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	378		m3 (insitu)		378		m3 (insitu)		378		m3 (insitu)				m3 (insitu)				1,134											
Drains full re-construction	315		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		242		m3 (insitu)		242		1,428											
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: 29+000					To: 30+000					pg 15							
Chainage:	29+000					29+200					29+400					29+600					29+800					30+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	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	4	4	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
^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		1,400		m2		1,400		m2		1,400		m2		1,400		m2		1,400		7,400							
Grass Cutting			m2				m2				m2				m2				m2											
Grubbing	1,400		m2		1,000		m2		1,000		m2		1,000		m2		1,000		m2		1,000		5,400							
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)		162		m3 (insitu)		162		m3 (insitu)		162		m3 (insitu)		162		486							
Drains full re-construction	242		m3 (insitu)		278		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		315		m3 (insitu)		315		1,465							
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:																														