

NAA1:M67TURAL RESOURCES DEVELOPMENT CORPORATION LIMITED

ESTIMATION FOR FOREST ROAD

Loaction:		Nimashong, Rinpung Region								
Length of road:		1500 m								
Sl no	Description					Qty	Unit	Rate	Amount	Remarks
1.00	EARTH WORKS:									
1.10	Right-of-way-clearing:									
	a) Clearing jungle including up-rooting of vegetation and felling of trees of girth greater than 300mm & disposal within 50m of the site.									
	L(m)	B(m)								
	1500.00	10.00				15000	m ²		-	CG0002
1.20	Formation Cutting									
	Excavation of road formation/trace/box cutting, with excavator including separate deposition of soil, rock sand stones within 50m for reuse over the distance of 2000m exact, irrespective of the station marking in the field. Disposed earth/rock to be leveled and neatly dressed. In general the formation width required is 6m. However, the formation width at Zigs, Sharp ridges & valleys will be more than 5m. The width of cutting should be as per the instruction of the site supervisor.									
	a) Excavation of Soil (99.02%)					1,490.00	m		-	DoR rate
	b) Excavation of rock with or without blasting (0.97%)					10.00	m		-	DoR rate
2.00	MASONRY WORKS:									
2.10	Trenches Excavation									
	Excavation in foundation trenches for Hume pipe culvert i.e. catch-pit and Aprons, width <2.0m, area<10 sq.m in plain, depth >300mm including dressing & ramming, disposal of surplus soil/rock within 50m lead & 1.5m lift.									
	Standardized volume				No of culverts					
	14.69				3	44.07	m ³		-	EW0106
2.20	RCC Pipes									
	Providing & laying NP2 class R.C.C pipes, including collars, jointing in cement mortar 1:2 including testing of joints etc. complete.									
	600mm dia									
	L(m)	Nos								
	6.25	3.00				18.75	m		-	DR0093
2.30	Construction of Catch-pit, Apron & DRM wall:									
	Providing and laying Dry Rubble Masonry with hard stone hammer dressed in Catch-pit, DRM wall & Apron complete.									
	Standardized volume				No of culverts					
	5.44				3	16.32	m ³		-	SM0051
2.40	Filling of Trenches:									
	a) Filling of trenches, sides of foundations etc.in layers<1.5m using selected excavated earth/boulder, ramming etc. within lead 50 m & lift 1.5m.									
	Standardized volume				No of culverts					
	1.85				3	5.55	m ³		-	EW0195

	b) Providing & laying hand packed stone filling with stones.								
	Standardized volume				No of culverts				
	1.38				3	4.14	m ³	-	SM0072
3.00	ROAD WORKS:								
3.10	Edging:								
	Providing and laying Hammer dressed stone edging 150x250 mm with stones including excavation, refilling and disposal of surplus earth within 30 m lead.								
	L(m)	Nos							
	1500.00	2.00			3000.00	m	-		RW0120
3.20	Soling:								
	Providing and laying stone soling (road and passing places), including packing with smaller stones.								
	a) Road								
	L(m)	B(m)	H(m)	Nos	Vol (m ³)				
	1500.00	3.20	0.20	1.00	960.00				
	b) Passing Place								
	L(m)	B(m)	H(m)	Nos	Vol (m ³)				
	12.00	2.50	0.15	7.00	31.50				
	Total Volume				991.50	991.50	m ³	-	SM0072
3.30	Side Drain								
	Earth work in excavation over areas using Excavator, exceeding 300mm in depth, 1.5m in width as well as 10 sq.m in area on plan, including dressing, levelling and disposal of excavated earth, lead up to 50m and lift up to 1.5m in all types of soil								
	L		W	H					
	1500.00		1	1	1500.00	m ³	-		RW0107
3.40	Surface Binding								
	Binding of road & passing places surface by spreading and leveling the local good quality soil excavated within 50m lead and compacting with road roller of 8 - 10 ton								
	a) Road								
	L(m)	B(m)	Nos	Area (m ²)					
	1500.00	3.20	1.00	4800.00					
	b) Passing Place								
	L(m)	B(m)	Nos	Area (m ²)					
	12.00	2.50	7.00	210.00					
	Total Area			5010.00	5010.00	m ²	9.41		RW0123
	TOTAL								
3,480,443.31									
THREE MILLION FOUR HUNDRED EIGHTY THOUSAND FOUR HUNDRED FOURTY THREE									