

**NATURAL RESOURCES DEVELOPMENT CORPORATION LIMITED**  
**DATHANG FMU FOREST ROAD BILL OF QUANTITY**

**Location: Norgang, Dawathang FMU**

**Length of road:** 1500 m

SI no	Description					Qty	Unit	Rate	Amount	Remarks
1.00	<b>EARTH WORKS:</b>									
1.10	<b>Right-of-way-clearing:</b>									
	a) Clearing jungle including up-rooting of vegetation and felling of trees of girth greater than 300mm & stacking within 50m of the site.									
	<b>L(m)</b>	<b>B(m)</b>								
	1500.00	10.00				15000	m <sup>2</sup>		-	CG0002
1.20	<b>Formation Cutting</b>									
	Excavation of road formation/trace/box cutting in both soil and rock strata using an excavator, including separate stacking of excavated soil, rock, and sandstone materials within 50 meters for reuse. The excavated material shall be transported over a distance of up to 1000 meters, regardless of station markings. All disposed material shall be leveled and neatly dressed. The general formation width shall be 6 meters; however, increased widths shall be adopted at zigs, sharp ridges, and valley sections as instructed by the site supervisor. Cutting width shall be carried out strictly as per the drawings and site instructions.									
	1000 m or 1 km					1,000.00	LS			LUMPSUM
2.00	<b>CROSS DRAINAGE WORKS:</b>									
2.10	<b>Log Culverts</b>									
	Complete construction of log culverts as per the drawings, using suitable road alignment timber with diameter not less than 500 mm. The work includes excavation for foundations, placement and alignment of logs as specified in the drawings including royalty if required, and all associated works required to complete the structure in accordance with design and instructions.									
	3					3.00	Nos		-	NRDCL
2.10	<b>Cross Drains</b>									
	Complete construction of cross drains as per the drawings after every 40m interval, using suitable road alignment timber with diameter not less than 500 mm. The work includes excavation for foundations, placement and alignment of logs as specified in the drawings including royalty if required, and all associated works required to complete the structure in accordance with design and instructions.									
	38					38.00	Nos		-	NRDCL
3.00	<b>ROAD WORKS:</b>									
3.10	<b>Embankment:</b>									
	Construction of embankment by laying dry earth in horizontal layers not exceeding 150mm in depth (compacted), including watering, power rolling, dressing and preparation of site with selected excavated earth within 500 m lead									
	<b>L(m)</b>	<b>W(m)</b>	<b>H(m)</b>	<b>Nos</b>	<b>Volume</b>					
	1500.00	3.00	0.3	1	1350	1350.00	m <sup>3</sup>		-	RW0030
3.40	<b>Side Drain</b>									

	Earth work in excavation for side drain 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 and rock both. The rate shall be applicable for both rock and soil portion.									
	L(m)	W(m)	H(m)	Nos	Volume					
	1500.00	1.00	1	1	1500	1500.00	m <sup>3</sup>		-	RW0049
3.40	<b>Stone Edging</b>									
	Providing and laying Hammer dressed stone edging 150 x 250 mm with stones including excavation, refilling and disposal of surplus earth within 30 m lead									
	L(m)	W(m)	H(m)	Nos	length					
	1500.00	0.15	0.25	2	3000	3000.00	m		-	RW0049
3.40	<b>Stone soling</b>									
	Providing and laying hand packed stone soling with stones									
	L(m)	W(m)	H(m)	Nos	Volume					
	1500.00	3.20	0.15	1	720	720.00	m <sup>3</sup>		-	SM0072
3.40	<b>Surface binding</b>									
	Consolidation of road surface with roller, and making good the undulation with earth and re-rolling the surface									
	L(m)	W(m)	H(m)	Nos	Volume					
	1500.00	3.50	1	1	5250	5250.00	m <sup>2</sup>		-	SM0072
<b>GRAND TOTAL:</b>										
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