



**PROPOSED UPGRADING OF NYERI HILL
FOREST ROAD**

ESTIMATE COST

Issued by:-

**DEPARTMENT OF TRANSPORT, INFRASTRUCTURE AND PUBLIC WORKS
NYERI COUNTY GOVERNMENT
P.O.BOX 1112 - 10100
NYERI**

OCTOBER, 2021

**COUNTY DIRECTOR
ROADS, TRANSPORT & PUBLIC WORKS
P. O. Box 1112 - 10100, NYERI**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	NYERI HILL FOREST ROAD				
	Scope:				
	Grading and Gravelling: 1300 Metres				
	Culverts:600 mm diameter, 32 Metres				
	Concrete Works:50Metres				
A	SITE CLEARANCE				
	Allow for bush clearing	SM	2600	10.00	26,000.00
B	GRADING AND GRAVELLING				
	Grading of road carriage way to shape and camber formation including side ditches/drains	SM	7800	20.00	156,000.00
	Provide, lay, spread, water and compact lateritic (natural) murrum to 150mm thickness on the shaped road carriageway	CM	878	1,800.00	1,580,400.00
C	CULVERT AND DRAINAGE WORKS				
	Excavate in soft materials for drainage structures including pipe culverts, headwalls, wing walls, apron, toe walls and drop inlets and outlets and cart away to spoil	CM	40	350.00	14,000.00
	Provide, lay and joint 600 mm diameter concrete pipe culverts.	LM	32	6,000.00	192,000.00
	Provide place and compact class 25/20mm agg (1:1½:3) concrete to beds, surrounds and haunches, headwalls, wing walls and aprons to pipe culverts; including form work.	CM	20	14,000.00	280,000.00
D	U-DRAIN WORKS				

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	Construct 600mm high x 600mm wide U-shaped x 100mm thick reinforced concrete storm water drain;reinforced with 8mm dia bars(to BS 4449)spaced at 100mm c/c both direction and vibrated class 25/20 concrete to BS 8500(mix 1:1 1/2:3;20mm aggregate to BS 1260-2002;including formwork and preparing top surface to receive RC covers	CM	3	14,000.00	42,000.00
	STEEL REINFORCEMENT				
	Supply and fix high tensile steel bars reinforcement to BS.4449 including hooks tying wire cutting,spacers and supporting all in position.				
	8mm Diameter	KG	83	300.00	24,900.00
E	CONCRETE PAVEMENT				
	Prepare Surface and Construct 50m long x 6m wide x 0.2m thick reinforced concrete pavement ;reinforced with A142 BRC and vibrated class 25/20 concrete to BS 8500(mix 1:1 1/2:3;20mm aggregate to BS 1260-2002;including formwork.	CM	60	14,000.00	840,000.00
F	MESH REINFORCEMENT				
	Provide and place Mesh fabric reinforcement to BS 4483:reference A142 weighing 2.22kg per square metre including laps tying wire and spacer blocks.	SM	300	400.00	120,000.00
	SCOPE OF WORKS FOR NYERI HILL FOREST ROAD				3,275,300.00
	Add the sum of 5% of sub-total-1 (A) for contingencies to be expended in whole or in part or deleted as directed by the Engineer.				163,765.00
	SUB-TOTAL-1=ROAD WORKS + CONTIGENCIES				3,439,065.00
	Add sum of 16% of sub-total-1 (i) for Value Added Tax (VAT)				550,250.40
	TOTAL CARRIED TO FORM OF TENDER				3,989,315.40

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