

MINISTRY OF ROADS AND HIGHWAYS SCHEDULE OF RATES  
RURAL ROADS  
BASE MONTH: JAN 2024

CODE	DESCRIPTION	RATE PER REGION		
		ASHANTI		
		Kumasi	Bekwai	Mampong
	<b>GENERAL ITEMS</b>			
A110	Performance Bond	1% of 30% of Cost of Works (guide)		
A120	Insurance Works,Plant,3rd Party			
A130	Insurance Const. Plant	1.2% of Cost of Works or 2xA110 (guide)=total A120,A130,A150		
A150	Workmen Insurance			
A213.1	Provide ER's Temp. Res. Acc.	Renting per month or purchase or per specifications		
A213.2	Maintain ER's Temp. Res. Acco.	Security, Utilities bills,etc. Or per specification		
A221.1	Provide ER's Transport Vehicle	Hiring per month or purchase or per specification		
A221.2	Maintain R.E's Transport Vehicle	Fuel, repairs,routine maintenance,etc. per month - say 1,500.00 or per specification		
A279	Install sign post - Contract Name	8500		
A290	Progress Photographs per Set	250 or per specification		
A311.1	Setting up Contractor's Comp.	Cost per Sq. Area of Two-Bedroom Flat -say 6,000.00. Use 8,000.00 for Bitumen Surfacing		
A311.2	Maintaining Contractor' Comp.	Minor repairs per month - say 6000.00 or per specification. Use 12000.00 for Bitumen surfacing		
A311.3	Removing Contrator's Comp.	650 or per specification. Use 800.00 for Bitumen Surfacing		
	<b>CLEARING</b>	1.00	1.00	1.00
D100.1	Thick bush (Dense vegetation with trees exceeding 15Nr per 100m2, shrubs and undergrow)	42,183.78	42,183.78	42,183.78
D100.2	Light bush (Sparce vegetation with trees exceeding between 10-15Nr per 100m2, shrubs and undergrow)	30,530.59	30,530.59	30,530.59
D100.3	Savannah bush (Sparce vegetation with trees exceeding between 4-10Nr per 100m2, shrubs and undergrow)	22,380.14	22,380.14	22,380.14
D100.4	Grass/Neglected bush (Sparce vegetation with trees not exceeding 4Nr per 100m2, shrubs and undergrow)	16,608.26	16,608.26	16,608.26
D210	Fell Trees, <1m	492.21	492.21	492.21
D220	Fell Trees, 1-2m	658.33	658.33	658.33
D230	Fell Trees, 2-3m	873.69	873.69	873.69
D240	Fell Trees, 3-5m	1,375.82	1,375.82	1,375.82
D250	Fell Trees,>5m	1,858.19	1,858.19	1,858.19
D310	Destump Trees, <1m	434.07	434.07	434.07
D320	Destump Trees, 1-2m	520.88	520.88	520.88
D330	Destump Trees, 2-3m	628.23	628.23	628.23
D330.1	Destump Trees, 3-5m	1,518.32	1,518.32	1,518.32
D330.2	Destump Trees, >5m	1,905.03	1,905.03	1,905.03
D521.1	Demolish Pipe Culvert	294.71	294.71	294.71
D521.2	Demolish mass concrete	445.23	445.23	445.23
D521.3	Demolish reinforced concrete	659.59	659.59	659.59

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		Kumasi	Bekwai	Mampong
	EARTHWORKS	1.00	1.00	1.00
E120	Unsuitable material in swamp	64.92	64.92	64.92
E411	Excavate to remove topsoil	11.13	11.13	11.13
E220.1	Excavate material in cutting	33.22	33.22	33.22
E220.2	Excavate,push to fill(stockpile)	40.34	40.34	40.34
E220.3	Excavate,haul to fill	51.93	51.93	51.93
E230.1	Excavate in hard rock (explosives)	410.80	410.80	410.80
E230.2	Excavate using rippers	434.77	434.77	434.77
E230.3	Excavate in soft rock	386.95	386.95	386.95
E322	Excavate culvert fdn.(0.25-0.5m)	241.66	241.66	241.66
E323	Excavate culvert fdn.(0.5-1m)	241.66	241.66	241.66
E323.1	Excavate foundation (Equipment)	131.42	131.42	131.42
E324	Excavate culvert fdn.(1-2m)	471.54	471.54	471.54
E329	Excavate culvert fdn.(exc.2m)	785.90	785.90	785.90
E420	General excavation in Borrow	84.68	84.68	84.68
E490	Compact formation in cutting	1.36	1.36	1.36
E542	Double handling of excavated material(Load and haul to fill)	51.93	51.93	51.93
E551	Excavate inlet and outlet channels	117.03	117.03	117.03
E592.1	Scarify gravel surface and compact	2.91	2.91	2.91
E522.1	Scarify existin gravel shoulder and compact	2.79	2.79	2.79
E592.2	Scarify gravel surf. without compaction	1.34	1.34	1.34
E592.3	Blade road surface and compact	0.79	0.79	0.79
E592.4	Blade road surf. without compaction	0.45	0.45	0.45
E590	Desilt existing pipe culvert	117.03	117.03	117.03
E624	Filling from excavation	20.42	20.42	20.42
E625	Filling (Haul) from Borrow	20.42	20.42	20.42
E657	Stone pitching	367.16	367.16	367.16
E700.1	Reinstatement of Borrow pits	2.47	2.47	2.47
E790.2	Hand placed Riprap (m <sup>2</sup> )	183.58	183.58	183.58
E810	Plant Grass till established	64.81	64.81	64.81

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E900.1	Haulage (1-20km)	7.91	7.91	7.91
E900.2	Haulage (20-100km)	7.08	7.08	7.08
E900.3	Haulage (100-250km)	6.83	6.83	6.83
	<b>VEE DRAINS</b>			
K463.1	Excavate vee drains	19.97	19.97	19.97
K463.2	Re-excavate vee drains	8.88	8.88	8.88
K463.3	Excavate vee drains in fused laterite	39.74	39.74	39.74
K493.5	Concrete U-drains(.50x.60x.10m th.)extilly	381.04	374.36	387.73
	<b>CONCRETE U-DRAINS</b>			
		1.14	1.12	1.16
K493.4	Concrete U-drains(.75x.925x.15m th.)extilly	540.66	531.17	550.15
	<b>STONE PITCHING</b>			
		1.19	1.17	1.21
E657	Stone Pitching to embankments	436.93	429.58	444.27
X430.1	Pavement Blocks-80mm -50MPa	493.91	485.61	502.21
X430.2	Pavement Blocks-80mm -30MPa	442.01	434.58	449.44
	<b>CONCRETEWORKS</b>			
		1.21	1.20	1.24
F214	Concrete NS15	1,553.84	1,541.00	1,592.37
F224	Concrete C20/25	1,797.47	1,782.62	1,842.04
F253	Concrete C30/37	2,143.69	2,125.97	2,196.83
F511	Placing concrete in Blinding	443.99	440.32	455.00
F542	Placing concrete in Aprons&Walls	583.20	578.38	597.66
F562	PLACE CONCRETE IN BEAMS	778.76	772.33	798.07
F532	PLACE CONCRETE IN SUSPENDED SLAB	710.39	704.51	728.00
F542	PLACE CONCRETE IN WALLS	754.78	748.55	773.50
F552	PLACE CONCRETE IN COLUMNS AND PIERS	799.18	792.58	819.00
K492.4	Trapezoidal stone-lined Drains(m)	1,034.99	1,026.44	1,060.65
K492.3	Trapezoidal block-lined Drains(m)	669.58	664.04	686.18
F243	Concrete C35/45	2,262.03	2,243.33	2,318.11

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	PRECAST CONCRETE	1.37	1.37	1.46
I232	600mm pipes	2,574.78	2,574.78	2,743.93
I242	750mm pipes	3,145.45	3,145.45	3,352.09
I242	900mm pipes	3,719.08	3,719.08	3,963.39
I252	1200mm pipes	5,274.81	5,274.81	5,621.34
I272	1800mm pipes	8,007.53	8,007.53	8,533.57
F263	Concrete C40/50	2,671.52	2,671.52	2,847.02
	BED AND SURROUND	1.18	1.16	1.21
L343.1	Single 600mm pipes	2,217.70	2,180.11	2,274.08
L344.1	Single 900mm pipes	3,962.47	3,895.31	4,063.21
L344.2	Double 900mm pipes	6,244.86	6,139.01	6,403.62
L344.3	Tripple 900mm pipes	10,080.53	9,909.67	10,336.81
L345.1	Single 1200mm pipes	4,756.80	4,676.18	4,877.74
L345.2	Double 1200mm pipes	9,513.61	9,352.36	9,755.48
L345.3	Tripple 1200mm pipes	15,840.16	15,571.68	16,242.88
L347.1	Single 1800mm pipes	7,724.64	7,593.71	7,921.02
L347.2	Double 1800mm pipes	14,468.24	14,223.02	14,836.08
	SLABS & KERBS	1.12	1.10	1.14
H510.1	Precast Conc. Non mountable Kerb(350x.150m)-m	284.36	279.28	289.43
R435	15mX8mX0.3m Concrete Drift(Nr.)	112,962.36	110,945.17	114,979.54
H510	Precast Conc.Slab(.60x.60x.15m)(Nr)	732.76	719.67	745.84

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	FORMWORK(TIMBER)	0.98	1.00	1.00
G115	Rough Formwork Horizontal	141.51	144.40	144.40
G125	Rough Formwork Sloping	157.42	160.64	160.64
G145	Rough Formwork Vertical	120.58	123.04	123.04
G215	Fair Formwork Horizontal	175.55	179.13	179.13
G225	Fair Formwork Sloping	190.59	194.47	194.47
G245	Fair Formwork Vertical	146.29	149.28	149.28
	FORMWORK(BRIDGES)			
G145.1	Rough Formwork Vertical	227.59	232.23	232.23
G245.1	Fair Formwork Vertical	264.76	270.16	270.16
G215.1	Fair Formwork Horizontal	328.27	334.96	334.96
	STEEL FORMWORK (BRIDGES & RETAINING WALL)			
G145.2	Rough Formwork Vertical	307.89	314.17	314.17
G245.2	Fair Formwork Vertical	415.18	423.65	423.65
G215.2	Fair Formwork Horizontal	458.76	468.12	468.12
	REINFORCEMENT (MILD STEEL)	1.08	1.08	1.08
G511	6mm diameter	18.47	18.47	18.47
G513	10mm	16.48	16.48	16.48
G514	12mm	16.30	16.30	16.30
G515	16mm	16.30	16.30	16.30
G516	20mm	16.34	16.34	16.34
G517	25mm	17.83	17.83	17.83
	PAVINGS	1.00	1.00	1.00
R113	Gravel Sub-base,100mm thick	10.38	10.38	10.38
R114	Gravel Sub-base,150mm thick	17.20	17.20	17.20
R115	Gravel Sub-base,200mm thick	22.94	22.94	22.94
R124	Gravel Base,150mm thick	19.25	19.25	19.25
R125	Gravel Base,200mm thick	25.10	25.10	25.10
R127	Gravel Base,250mm thick	26.75	26.75	26.75
R125.1	Crused Rock	392.98	392.98	392.98

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R366.1	Pulverisation with cement stabilization	44.58	44.58	44.58
R366.2	Pulverisation with bitumen stabilization	49.31	49.31	49.31
X410.1	Rock filling (m <sup>3</sup> )	507.35	507.35	507.35
X420	Rock filled Gabion-matress	-	-	-
X410.2	Rock filled Gabion-box(m <sup>3</sup> )	-	-	-
	SURFACE DRESSING	1.01	1.00	1.01
R212	Patch with Premix(sq.m)	624.11	617.93	624.11
R213	Patch with Grave+Bitumen+Chips	191.87	189.97	191.87
R349.1a	Supply,Design Spray Rate (incl.Adhesive) seal (1.5/l/sq.m)	23.36	23.13	23.36
R349.1b	Supply,Design Spray Rate (incl.Adhesive) Primer seal (1.4l/sq.m)	25.49	25.24	25.49
R349.2	Supply,incorporate cutback oil(ATK Kerosine), Priming and Primerseal	25.55	25.29	25.55
R349.4c	Supply, Precoat, Design Spray Rate, incorporate 10mm chippings	1,188.69	1,176.92	1,188.69
R349.4d	Supply, Precoat, Design Spray Rate, incorporate 14mm chippings	1,483.09	1,468.40	1,483.09
R362	Scarify bitumen surface on carriageway, reshape and compact	4.88	4.83	4.88
R362.1	Scarify bitumen surface on shoulders, reshape and compact	5.82	5.76	5.82
R349.5a	Cold Bit. Emul,seal (1.7l/sq.m)	22.12	21.90	22.12
R349.5b	Cold Bit. Emul,primerseal(1.5l/m <sup>2</sup> )	19.11	18.92	19.11
	<u>U-CULVERTS</u>			
	<u>700x900mm</u>	1.21	1.20	1.24
K673.1	Barrel	5,687.07	5,640.07	5,828.07
K979.1	Catchpit Structure	5,563.87	5,517.88	5,701.81
K979.2	Outlet Structure	6,458.24	6,404.86	6,618.36
	<u>900x1200mm</u>	-	-	-
K673.2	Barrel	6,675.18	6,620.01	6,840.68
K979.3	Inlet or Outlet Structure	7,758.64	7,694.52	7,951.00

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		Kumasi	Bekwai	Mampong
	<u>1250x1800mm</u>	-	-	-
K673.3	Barrel	11,327.56	11,233.94	11,608.41
K979.4	Inlet or Outlet Structure	25,279.27	25,070.35	25,906.02
	<u>1800x1800mm</u>	-	-	-
K673.4	Barrel	20,105.24	19,939.08	20,603.71
K979.5	Inlet or Outlet Structure	24,961.59	24,755.30	25,580.47
	<u>1200x1200mm</u>	-	-	-
K673.5	Barrel	8,877.98	8,804.61	9,098.10
K979.6	Inlet or Outlet Structure	10,359.86	10,274.24	10,616.71
	<u>Double 700x900mm</u>	-	-	-
K673.1	Barrel	10,236.72	10,152.12	10,490.53
K979.1	Catchpit Structure	10,014.96	9,932.19	10,263.26
K979.2	Outlet Structure	11,624.83	11,528.75	11,913.04
	<u>Double 900x1200mm</u>	-	-	-
K673.2	Barrel	12,015.32	11,916.02	12,313.22
K979.3	Inlet or Outlet Structure	13,965.55	13,850.13	14,311.80
	<u>Double 1250x1800mm</u>	-	-	-
K673.3	Barrel	20,389.61	20,221.10	20,895.13
K979.4	Inlet or Outlet Structure	45,502.68	45,126.62	46,630.84
	<u>Double 1800x1800mm</u>	-	-	-
K673.4	Barrel	36,189.43	35,890.34	37,086.69
K979.5	Inlet or Outlet Structure	44,930.86	44,559.53	46,044.85
	<u>Double 1200x1200mm</u>	-	-	-
K673.5	Barrel	15,980.37	15,848.30	16,376.58
K979.6	Inlet or Outlet Structure	18,647.74	18,493.63	19,110.08
		-	-	-

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		Kumasi	Bekwai	Mampong
	<u>Triple 700x900mm</u>	-	-	-
K673.1	Barrel	15,923.79	15,792.19	16,318.60
K979.1	Catchpit Structure	15,578.82	15,450.07	15,965.08
K979.2	Outlet Structure	18,083.06	17,933.61	18,531.40
	<u>Tripple 900x1200mm</u>	-	-	-
K673.2	Barrel	18,690.49	18,536.02	19,153.89
K979.3	Inlet or Outlet Structure	21,724.18	21,544.64	22,262.80
	<u>Tripple 1250x1800mm</u>	-	-	-
K673.3	Barrel	31,717.17	31,455.04	32,503.54
K979.4	Inlet or Outlet Structure	70,781.94	70,196.97	72,536.87
	<u>Tripple 1800x1800mm</u>	-	-	-
K673.4	Barrel	56,294.67	55,829.42	57,690.40
K979.5	Inlet or Outlet Structure	69,892.45	69,314.83	71,625.32
	<u>Tripple 1200x1200mm</u>	-	-	-
K673.5	Barrel	24,858.35	24,652.91	25,474.68
K979.6	Inlet or Outlet Structure	29,007.60	28,767.87	29,726.79
	<b>VARIOUS SIZES OF U-DRAIN</b>			
		1.14	1.12	1.16
	450x450(internally)x150mm thick	940.22	923.73	956.72
	450x600(internally)x150mm thick	1,126.45	1,106.68	1,146.21
	450x500(internally)x100mm thick	789.77	775.91	803.62
	600x600(internally)x150mm thick	1,307.33	1,284.40	1,330.27
	600x600(internally)x200mm thick	1,577.11	1,549.44	1,604.78
	600x900(internally)x200mm thick	2,037.50	2,001.75	2,073.25
	600x1000(internally)x200mm thick	2,190.97	2,152.53	2,229.40
	700x900(internally)x200mm thick	2,197.37	2,158.82	2,235.92
	700x900(internally)x150mm thick	1,823.75	1,791.75	1,855.74
	900x900(internally)x150mm thick	2,086.89	2,050.28	2,123.51
	900x900(internally)x200mm thick	2,517.10	2,472.94	2,561.26
	900x1200(internally)x200mm thick	3,002.29	2,949.62	3,054.96
	950x550(internally)x150mm thick	1,669.95	1,640.65	1,699.25
	1250x1800(internally)x200mm thick	4,618.98	4,537.95	4,700.02
	750x650(internally)x150mm thick	1,558.50	1,531.16	1,585.84
	900x750(internally)x150mm thick	1,882.08	1,849.06	1,915.09
	900x850(internally)x150mm thick	2,018.62	1,983.21	2,054.04
	450x450(internally)x150mm thick in Rock	940.22	923.73	956.72



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	<b>STORM DRAINS</b>			
	2000x1500(internally)x300mm thick	10,905.83	10,714.49	11,097.16
	2000x1000(internally)x200mm thick	7,878.46	7,740.25	8,016.68
	1500x1000(internally)x200mm thick	7,151.70	7,026.23	7,277.17
	1200x1200(internally)x200mm thick	7,124.35	6,999.36	7,249.34
	<b>SPEED HUMP-Pavement Blocks (50MPa)</b>	26,736.27	26,267.22	27,205.33
	<b>SPEED HUMP-Concrete (30/37)</b>	19,121.57	18,786.10	19,457.04
	<b>SPEED HUMP-Asphalt (80mmthick)</b>	105,213.26	103,367.42	107,059.11
	<b>LINE MARKING</b>	1.01	1.00	1.01
R824.1	Provide and apply tropicalized white reflective thermopalstic road marking paint intermittent line marking 120mm wide lane separation	55.17	54.62	55.17
R824.2	Provide and apply tropicalized white reflective thermopalstic road marking paint continuous line marking 120mm wide lane separation	52.54	52.02	52.54
R824.3	Ditto 300mm wide continous "STOP" line ditto. (m2)	401.46	397.49	401.46
R825.1	Provide and apply tropicalized white reflective thermopalstic road marking paint intermittent centre line marking 120mm wide	52.54	52.02	52.54
R825.2	Provide and apply tropicalized white reflective thermopalstic road marking paint continuous edge line marking 150mm wide	57.42	56.85	57.42
R825.3	Provide and apply tropicalized white reflective thermopalstic road marking paint intermittent pedestrian crossing strips wide line marking 300mm (m2)	401.46	397.49	401.46
	<b>ALPHALTIC CONCRETE PAVING</b>	1.01	1.00	1.01
R322.1	Aphaltic Concrete binding course AC20, per cu.m	3,348.61	3,315.46	3,348.61
R322.2	Aphaltic Concrete wearing course AC20, per cu.m	3,571.19	3,535.83	3,571.19
R322.3	Aphaltic Concrete binding course PG, per cu.m	3,725.15	3,688.26	3,725.15
R322.4	Aphaltic Concrete wearing course PG, per cu.m	3,971.76	3,932.44	3,971.76
R363	Mill existing asphaltc concrete, depth not exceeding 70mm thick, load and dispose per sq.m	24.92	24.67	24.92

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	ROAD SIGNS	1.08	1.08	1.08
R812.1	Provide and install 720 mm diameter circular single pole	1,948.67	1,948.67	1,948.67
R812.2	Provide and install 900 mm diameter circular single pole	2,113.73	2,113.73	2,113.73
R811.1	Provide and install 720 mm triangular single pole	1,377.70	1,377.70	1,377.70
R811.2	Provide and install 900 mm triangular single pole	1,537.80	1,537.80	1,537.80
R812.3	Provide and install 720 mm diameter circular double plate single pole	3,052.83	3,052.83	3,052.83
R812.4	Provide and install 900 mm diameter circular double plate single pole	3,382.95	3,382.95	3,382.95
R811.3	Provide and install 720 mm triangular double plate single pole	2,004.10	2,004.10	2,004.10
R811.4	Provide and install 900 mm triangular single pole double plate single pole	2,324.30	2,324.30	2,324.30
	<u>CRUSH BARRIER &amp; GUARD RAIL</u>			
X181.1	Excavate for, provide and install complete as detailed in the Specification, aluminium pedestrian crush barrier comprising assembled panels and posts bolted together and fixed in place 4m interval spacing of post	876.70	876.70	876.70
X181.2	Excavate for, provide and install complete as detailed in the Specification, aluminium pedestrian crush barrier comprising assembled panels and posts bolted together and fixed in place 2m interval spacing of post	1,243.14	1,243.14	1,243.14
X181.3	Excavate for, provide and install complete as detailed in the Specification, aluminium pedestrian crush barrier comprising assembled panels and posts bolted together and fixed in place 1m interval spacing of post	1,989.04	1,989.04	1,989.04
	<u>REINFORCEMENT (DEFORMED HIGH YIELD STEEL)</u>	1.08	1.08	1.08
G521	6mm diameter	24.36	24.36	24.36
G523	10mm	22.92	22.92	22.92
G524	12mm	22.35	22.35	22.35
G525	16mm	22.35	22.35	22.35
G526	20mm	22.35	22.35	22.35
G527	25mm	23.06	23.06	23.06