

**MINISTRY OF ROADS AND HIGHWAYS SCHEDULE OF RATES**  
**TRUNK 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 R.E's Temp. Res. Acc.	Renting per month or purchase or per specifications		
A213.2	Maintain R.E's Temp. Res. Acco.	Security, Utilities bills,etc. Or per specification		
A221.1	Provide R.E'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 2,500.00 or per specification		
A279	Install sign post - Contract Name	9052.5		
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 6,500.00. Use 8,000.00 for Bitumen Surfacing		
A311.2	Maintaining Contractor' Comp.	Minor repairs per month - say 8500.00 or per specification. Use 15000.00 for Bitumen surfacing		
A311.3	Removing Contrator's Comp.	532.5 or per specification. Use 700.00 for Bitumen Surfacing		
	<i>Class Factor-Trunk</i>			
	<b>CLEARING</b>	1.00	1.00	1.00
D100.1	Thick bush (Dense vegetation with trees exceeding 15Nr per 100m2, shrubs and undergrow)	42,605.62	42,605.62	42,605.62
D100.2	Light bush (Sparce vegetation with trees exceeding between 10-15Nr per 100m2, shrubs and undergrow)	30,835.89	30,835.89	30,835.89
D100.3	Savannah bush (Sparce vegetation with trees exceeding between 4-10Nr per 100m2, shrubs and undergrow)	22,603.94	22,603.94	22,603.94
D100.4	Grass/Neglected bush (Sparce vegetation with trees not exceeding 4Nr per 100m2, shrubs and undergrow)	16,774.35	16,774.35	16,774.35
D210	Fell Trees, <1m	497.13	497.13	497.13
D220	Fell Trees, 1-2m	664.92	664.92	664.92
D230	Fell Trees, 2-3m	882.43	882.43	882.43
D240	Fell Trees, 3-5m	1,389.58	1,389.58	1,389.58
D250	Fell Trees,>5m	1,876.77	1,876.77	1,876.77
D310	Destump Trees, <1m	438.41	438.41	438.41
D320	Destump Trees, 1-2m	526.09	526.09	526.09
D330	Destump Trees, 2-3m	634.52	634.52	634.52
D330.1	Destump Trees, 3-5m	1,533.50	1,533.50	1,533.50
D330.2	Destump Trees, >5m	1,924.08	1,924.08	1,924.08
D551	Demolish Timber	297.66	297.66	297.66
D521.1	Demolish mass concrete	449.68	449.68	449.68
D521.2	Demolish reinforced concrete	666.19	666.19	666.19

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		Kumasi	Bekwai	Mampong
	<u><i>Class Factor-Trunk</i></u>			
	EARTHWORKS			
		1.00	1.00	1.00
E120.3	Unsuitable material in swamp	65.57	65.57	65.57
E210	Excavate to remove topsoil	11.24	11.24	11.24
E220.1	Excavate material in cutting	33.55	33.55	33.55
E220.2	Excavate,push to fill(stockpile)	40.75	40.75	40.75
E220.3	Excavate,haul to fill	52.45	52.45	52.45
E230.1	Excavate in hard rock (explosives)	414.91	414.91	414.91
E230.2	Excavate using rippers	439.12	439.12	439.12
E230.3	Excavate in soft rock	390.82	390.82	390.82
E322	Excavate culvert fdn.(0.25-0.5m)	244.08	244.08	244.08
E323	Excavate culvert fdn.(0.5-1m)	244.08	244.08	244.08
E323.1	Excavate foundation (Equipment)	132.73	132.73	132.73
E324	Excavate culvert fdn.(1-2m)	476.26	476.26	476.26
E329	Excavate culvert fdn.(exc.2m)	793.76	793.76	793.76
E420	General excavation in Borrow	85.53	85.53	85.53
E522	Compact formation in cutting	1.37	1.37	1.37
E542	Double handling of excavated material(Load and haul to fill)	52.45	52.45	52.45
E551	Excavate inlet and outlet channels	118.21	118.21	118.21
	<u><i>Class Factor-Trunk</i></u>			
E592.1	Scarify gravel surface and compact	3.01	3.01	3.01
E522.1	Scarify existin gravel shoulder and compact	2.88	2.88	2.88
E592.2	Scarify gravel surf. without compaction	1.39	1.39	1.39
E592.3	Blade road surface and compact	0.82	0.82	0.82
E592.4	Blade road surf. without compaction	0.47	0.47	0.47
	<u><i>Class Factor-Trunk</i></u>			
E590	Desilt existing pipe culvert	118.21	118.21	118.21
E624	Filling from excavation	20.62	20.62	20.62
E625	Filling (Haul) from Borrow	20.62	20.62	20.62
E657	Stone pitching(See concreteworks)	370.84	370.84	370.84
E700.1	Reinstatement of Borrow pits	2.49	2.49	2.49
E790.2	Hand placed Riprap (m <sup>2</sup> )	190.47	190.47	190.47
E810	Plant Grass till established	65.46	65.46	65.46

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	<u>Class Factor-Trunk</u>			
E900.1	Haulage (1-20km)	8.25	8.25	8.25
E900.2	Haulage (20-100km)	7.38	7.38	7.38
E900.3	Haulage (100-250km)	7.12	7.12	7.12
	<u>Class Factor-Trunk</u>			
	VEE DRAINS			
K463.1	Excavate vee drains	20.17	20.17	20.17
K463.2	Re-excavate vee drains	8.96	8.96	8.96
K463.3	Excavate vee drains in fused laterite	40.14	40.14	40.14
	<u>Class Factor-Trunk</u>			
K493.5	Concrete U-drains(.50x.60x.10m th.)extlly	395.33	388.40	402.27
	CONCRETE U-DRAINS	1.14	1.12	1.16
K493.4	Concrete U-drains(.75x.925x.15m th.)extlly	560.93	551.09	570.78
	STONE PITCHING	1.19	1.17	1.21
E657	Stone Pitching to embankments	453.31	445.69	460.93
X430.1	Pavement Blocks-80mm -40MPa	512.43	503.82	521.04
X430.2	Pavement Blocks-80mm -25MPa	458.59	450.88	466.29
	CONCRETEWORKS	1.21	1.20	1.24
F214	Concrete NS15	1,612.11	1,598.79	1,652.08
F224	Concrete C20/25	1,864.88	1,849.47	1,911.12
F253	Concrete C30/37	2,224.07	2,205.69	2,279.22
F511	Placing concrete in Blinding	460.64	456.83	472.06
F542	Placing concrete in Aprons&Walls	605.07	600.07	620.07
F562	PLACE CONCRETE IN BEAMS	807.97	801.29	828.00
F532	PLACE CONCRETE IN SUSPENDED SLAB	737.02	730.93	755.30
F542	PLACE CONCRETE IN WALLS	783.09	776.62	802.50
F552	PLACE CONCRETE IN COLUMNS AND PIERS	829.15	822.30	849.71
K492.4	Trapezoidal stone-lined Drains(m)	1,073.80	1,064.93	1,100.43
K492.3	Trapezoidal block-lined Drains(m)	694.69	688.94	711.91
F243	Concrete C35/45	2,346.85	2,327.46	2,405.04

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	<i>Class Factor-Trunk</i>			
	PRECAST CONCRETE	1.37	1.37	1.46
I232	600mm pipes	2,671.34	2,671.34	2,846.83
I242	750mm pipes	3,263.40	3,263.40	3,477.79
I242	900mm pipes	3,858.54	3,858.54	4,112.02
I252	1200mm pipes	5,472.62	5,472.62	5,832.14
I272	1800mm pipes	8,307.81	8,307.81	8,853.58
F263	Concrete C40/50	2,771.70	2,771.70	2,953.79
	BED AND SURROUND	1.18	1.16	1.21
L343.1	Single 600mm pipes	3,773.41	3,709.45	3,869.34
L344.1	Single 900mm pipes	4,111.06	4,041.39	4,215.58
L344.2	Double 900mm pipes	6,479.04	6,369.22	6,643.76
L344.3	Tripple 900mm pipes	10,458.55	10,281.28	10,724.44
L345.1	Single 1200mm pipes	4,935.18	4,851.54	5,060.66
L345.2	Double 1200mm pipes	9,870.37	9,703.08	10,121.31
L345.3	Tripple 1200mm pipes	16,434.17	16,155.62	16,851.98
L347.1	Single 1800mm pipes	8,014.31	7,878.47	8,218.06
L347.2	Double 1800mm pipes	15,010.80	14,756.38	15,392.43
	SLABS & KERBS	1.12	1.10	1.14
H510.1	Precast Conc. Non mountable Kerb(350x.150m)-m	295.02	289.75	300.29
R435	15mX8mX0.3m Concrete Drift(Nr.)	117,198.45	115,105.62	119,291.28
H510	Precast Conc.Slab(.60x.60x.15m)(Nr)	760.24	746.66	773.81

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	<u>Class Factor-Trunk</u>			
	FORMWORK(TIMBER)	0.98	1.00	1.00
G115	Rough Formwork Horizontal	146.82	149.81	149.81
G125	Rough Formwork Sloping	163.33	166.66	166.66
G145	Rough Formwork Vertical	125.10	127.66	127.66
G215	Fair Formwork Horizontal	182.13	185.85	185.85
G225	Fair Formwork Sloping	197.73	201.77	201.77
G245	Fair Formwork Vertical	151.78	154.87	154.87
	FORMWORK(BRIDGES)			
G145.1	Rough Formwork Vertical	236.12	240.94	240.94
G245.1	Fair Formwork Vertical	274.69	280.29	280.29
G215.1	Fair Formwork Horizontal	340.58	347.53	347.53
	STEEL FORMWORK (BRIDGES & RETAINING WALL)			
G145.1	Rough Formwork Vertical	319.44	325.96	325.96
G245.1	Fair Formwork Vertical	430.74	439.54	439.54
G215.1	Fair Formwork Horizontal	475.96	485.68	485.68
	<u>Class Factor-Trunk</u>			
	REINFORCEMENT	1.08	1.08	1.08
G511	6mm diameter	18.70	18.70	18.70
G513	10mm	16.69	16.69	16.69
G514	12mm	16.50	16.50	16.50
G515	16mm	16.50	16.50	16.50
G516	20mm	16.54	16.54	16.54
G517	25mm	18.06	18.06	18.06
	<u>Class Factor-Trunk</u>			
	PAVINGS	1.00	1.00	1.00
R113	Gravel Sub-base,100mm thick	10.54	10.54	10.54
R114	Gravel Sub-base,150mm thick	17.46	17.46	17.46
R115	Gravel Sub-base,200mm thick	23.28	23.28	23.28
R124	Gravel Base,150mm thick	19.54	19.54	19.54
R125	Gravel Base,200mm thick	25.48	25.48	25.48
R127	Gravel Base,250mm thick	27.15	27.15	27.15
R125.1	Crused Rock	398.87	398.87	398.87

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R366.1	Pulverisation with cement stabilization	45.25	45.25	45.25
R366.2	Pulverisation with bitumen stabilization	50.05	50.05	50.05
X410.1	Rock filling (m <sup>3</sup> )	514.96	514.96	514.96
X420	Rock filled Gabion-matress	-	-	-
X410.2	Rock filled Gabion-box(m <sup>3</sup> )			
	<i>Class Factor-Trunk</i>			
	<b>SURFACE DRESSING</b>			
		1.01	1.00	1.01
R212	Patch with Premix(sq.m)	647.52	641.11	647.52
R213	Patch with Gravel+Bitumen+Chips	199.06	197.09	199.06
R349.1a	Supply,Design Spray Rate (incl.Adhesive) seal (1.5l/sq.m)	24.23	23.99	24.23
R349.1b	Supply,Design Spray Rate (incl.Adhesive) Primer seal (1.4l/sq.m)	26.45	26.19	26.45
R349.2	Supply,incorporate cutback oil(ATK Kerosine), Priming and Primerseal	26.50	26.24	26.50
R349.4c	Supply, Precoat, Design Spray Rate, incorporate 10mm chippings	1,233.26	1,221.05	1,233.26
R349.4d	Supply, Precoat, Design Spray Rate, incorporate 14mm chippings	1,538.70	1,523.47	1,538.70
R362	Scarify bitumen surface on carriageway, reshape and compact	5.06	5.01	5.06
R362.1	Scarify bitumen surface on shoulders, reshape and compact	6.04	5.98	6.04
R349.5a	Cold Bit. Emul,seal (1.7l/sq.m)	22.95	22.72	22.95
R349.5b	Cold Bit. Emul,primerseal(1.5l/m <sup>2</sup> )	19.83	19.63	19.83
	<i>Class Factor-Trunk</i>			
	<b>U-CULVERTS</b>			
	<u>700x900mm</u>	1.21	1.20	1.24
K673.1	Barrel	5,900.33	5,851.57	6,046.62
K979.1	Catchpit Structure	5,772.51	5,724.80	5,915.63
K979.2	Outlet Structure	6,700.42	6,645.04	6,866.55
	<u>900x1200mm</u>	-	-	-
K673.2	Barrel	6,925.49	6,868.26	7,097.20
K979.3	Inlet or Outlet Structure	8,049.59	7,983.06	8,249.16
	<u>1250x1800mm</u>	-	-	-

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K673.3	Barrel	11,752.34	11,655.22	12,043.72
K979.4	Inlet or Outlet Structure	26,227.24	26,010.48	26,877.50
	<u>1800x1800mm</u>	-	-	-
K673.4	Barrel	20,859.18	20,686.79	21,376.35
K979.5	Inlet or Outlet Structure	25,897.65	25,683.62	26,539.74
	<u>1200x1200mm</u>	-	-	-
K673.5	Barrel	9,210.91	9,134.78	9,439.28
K979.6	Inlet or Outlet Structure	10,748.35	10,659.52	11,014.84
	<u>Double 700x900mm</u>	-	-	-
K673.1	Barrel	10,620.60	10,532.83	10,883.92
K979.1	Catchpit Structure	10,390.52	10,304.65	10,648.14
K979.2	Outlet Structure	12,060.76	11,961.08	12,359.78
	<u>Double 900x1200mm</u>	-	-	-
K673.2	Barrel	12,465.89	12,362.87	12,774.96
K979.3	Inlet or Outlet Structure	14,489.25	14,369.51	14,848.49
	<u>Double 1250x1800mm</u>	-	-	-
K673.3	Barrel	21,154.22	20,979.39	21,678.70
K979.4	Inlet or Outlet Structure	47,209.03	46,818.87	48,379.50
	<u>Double 1800x1800mm</u>	-	-	-
K673.4	Barrel	37,546.53	37,236.23	38,477.44
K979.5	Inlet or Outlet Structure	46,615.77	46,230.51	47,771.53
	<u>Double 1200x1200mm</u>	-	-	-
K673.5	Barrel	16,579.63	16,442.61	16,990.70
K979.6	Inlet or Outlet Structure	19,347.03	19,187.14	19,826.71
		-	-	-

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	<u>Tripple 700x900mm</u>	-	-	-
K673.1	Barrel	16,520.94	16,384.40	16,930.55
K979.1	Catchpit Structure	16,163.03	16,029.45	16,563.77
K979.2	Outlet Structure	18,761.18	18,606.13	19,226.33
	<u>Tripple 900x1200mm</u>	-	-	-
K673.2	Barrel	19,391.38	19,231.12	19,872.16
K979.3	Inlet or Outlet Structure	22,538.84	22,352.57	23,097.65
	<u>Tripple 1250x1800mm</u>	-	-	-
K673.3	Barrel	32,906.56	32,634.61	33,722.43
K979.4	Inlet or Outlet Structure	73,436.27	72,829.35	75,257.00
	<u>Tripple 1800x1800mm</u>	-	-	-
K673.4	Barrel	58,405.72	57,923.02	59,853.79
K979.5	Inlet or Outlet Structure	72,513.42	71,914.13	74,311.27
	<u>Tripple 1200x1200mm</u>	-	-	-
K673.5	Barrel	25,790.54	25,577.40	26,429.98
K979.6	Inlet or Outlet Structure	30,095.38	29,846.66	30,841.55
	<i>Class Factor-Trunk</i>			
	<b>VARIOUS SIZES OF U-DRAIN</b>			
		1.14	1.12	1.16
	450x450(internally)x150mm thick	975.48	958.37	992.60
	450x600(internally)x150mm thick	1,168.69	1,148.18	1,189.19
	450x500(internally)x100mm thick	819.38	805.01	833.76
	600x600(internally)x150mm thick	1,356.36	1,332.56	1,380.15
	600x600(internally)x200mm thick	1,636.25	1,607.54	1,664.95
	600x900(internally)x200mm thick	2,113.91	2,076.82	2,150.99
	600x1000(internally)x200mm thick	2,273.13	2,233.25	2,313.01
	700x900(internally)x200mm thick	2,279.77	2,239.77	2,319.76
	700x900(internally)x150mm thick	1,892.14	1,858.94	1,925.33
	900x900(internally)x150mm thick	2,165.15	2,127.17	2,203.14
	900x900(internally)x200mm thick	2,611.49	2,565.68	2,657.31
	900x1200(internally)x200mm thick	3,114.87	3,060.23	3,169.52
	950x550(internally)x150mm thick	1,732.57	1,702.18	1,762.97
	1250x1800(internally)x200mm thick	4,792.19	4,708.12	4,876.27
	750x650(internally)x150mm thick	1,616.94	1,588.58	1,645.31
	900x750(internally)x150mm thick	1,952.65	1,918.40	1,986.91
	900x850(internally)x150mm thick	2,094.32	2,057.58	2,131.06



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	450x450(internally)x150mm thick in Rock	975.48	958.37	992.60
	<u>Class Factor-Trunk</u>			
	STORM DRAINS			
	2000x1500(internally)x300mm thick	11,314.79	11,116.29	11,513.30
	2000x1000(internally)x200mm thick	8,173.91	8,030.50	8,317.31
	1500x1000(internally)x200mm thick	7,419.89	7,289.71	7,550.06
	1200x1200(internally)x200mm thick	7,391.51	7,261.84	7,521.19
	SPEED HUMP-Pavement Blocks (40MPa)	27,738.88	27,252.24	28,225.53
	SPEED HUMP-Concrete (30/20)	19,838.63	19,490.58	20,186.68
	SPEED HUMP-Asphalt (80mmthick)	109,158.76	107,243.69	111,073.83
	<u>Class Factor-Trunk</u>			
	LINE MARKING	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	57.24	56.67	57.24
R824.2	Provide and apply tropicalized white reflective thermopalstic road marking paint continuous line marking 120mm wide lane separation	54.51	53.97	54.51
R824.3	Ditto 300mm wide continuous "STOP" line ditto.	416.52	412.40	416.52
R825.1	Provide and apply tropicalized white reflective thermopalstic road marking paint intermittent centre line marking 120mm wide	54.51	53.97	54.51
R825.2	Provide and apply tropicalized white reflective thermopalstic road marking paint continuous edge line marking 150mm wide	59.58	58.99	59.58
R825.3	Provide and apply tropicalized white reflective thermopalstic road marking paint intermittent pedestrian crossing strips wide line marking 300mm	416.52	412.40	416.52
	ALPHALTIC CONCRETE PAVING	1.01	1.00	1.01

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R322.1	Aphaltic Concrete binding course AC20, per cu.m	3,474.18	3,439.79	3,474.18
R322.2	Aphaltic Concrete wearing course AC20, per cu.m	3,705.11	3,668.43	3,705.11
R322.3	Aphaltic Concrete binding course PG, per cu.m	3,864.84	3,826.57	3,864.84
R322.4	Aphaltic Concrete wearing course PG, per cu.m	4,120.70	4,079.91	4,120.70
R363	Mill existing asphaltc concrete, depth not exceeding 70mm thick, load and dispose per sq.m	25.85	25.60	25.85
	<u>Class Factor-Trunk</u>			
	<b>ROAD SIGNS</b>	1.08	1.08	1.08
R812.1	Provide and install 720 mm diameter circular single pole	1,973.03	1,973.03	1,973.03
R812.2	Provide and install 900 mm diameter circular single pole	2,140.15	2,140.15	2,140.15
R811.1	Provide and install 720 mm triangular single pole	1,394.92	1,394.92	1,394.92
R811.2	Provide and install 900 mm triangular single pole	1,557.02	1,557.02	1,557.02
R812.3	Provide and install 720 mm diameter circular double plate single pole	3,090.99	3,090.99	3,090.99
R812.4	Provide and install 900 mm diameter circular double plate single pole	3,425.23	3,425.23	3,425.23
R811.3	Provide and install 720 mm triangular double plate single pole	2,029.15	2,029.15	2,029.15
R811.4	Provide and install 900 mm triangular single pole double plate single pole	2,353.35	2,353.35	2,353.35
	<b>CRUSH BARRIER &amp; GUARD RAIL</b>			
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	887.66	887.66	887.66
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	1,258.68	1,258.68	1,258.68
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	2,013.90	2,013.90	2,013.90
	<u>Class Factor-Trunk</u>			
	<b>REINFORCEMENT (DEFORMED HIGH YIELD STEEL)</b>	1.08	1.08	1.08
G521	6mm daimeter	24.66	24.66	24.66
G523	10mm	23.20	23.20	23.20
G524	12mm	22.63	22.63	22.63
G525	16mm	22.63	22.63	22.63
G526	20mm	22.63	22.63	22.63
G527	25mm	23.34	23.34	23.34