

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18 Recalculated excl. VAT	2017/18 R incl. VAT	VAT Yes/No	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	% Increase
	LAB TESTS: WATER (DRINKING)		All charges are per test.						
FCR	pH			37.63	43.28	y	39.74	45.70	5.6%
FCR	Conductivity			37.63	43.28	y	39.74	45.70	5.6%
FCR	Alkalinity			37.63	43.28	y	39.74	45.70	5.6%
FCR	Chloride			37.63	43.28	y	39.74	45.70	5.6%
FCR	Colour			37.63	43.28	y	39.74	45.70	5.6%
FCR	Calcium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Magnesium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Aluminium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Iron mg			56.49	64.96	y	59.65	68.60	5.6%
FCR	Antimony			56.49	64.96	y	59.65	68.60	5.6%
FCR	Arsenic (undigested)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Cyanide (total dissolved)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Phenol (total dissolved or free)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Selenium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Total Organic Carbon (TOC)			162.63	187.03	y	171.57	197.30	5.5%
FCR	Cadmium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Chromium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Cobalt			56.49	64.96	y	59.65	68.60	5.6%
FCR	Lead			56.49	64.96	y	59.65	68.60	5.6%
FCR	Nickel			56.49	64.96	y	59.65	68.60	5.6%
FCR	Strontium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Total Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	Calcium Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	Magnesium Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	Turbidity NTU			56.49	64.96	y	59.65	68.60	5.6%
FCR	Vanadium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Zinc			56.49	64.96	y	59.65	68.60	5.6%
FCR	Manganese			56.49	64.96	y	59.65	68.60	5.6%
FCR	Sodium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Potassium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Sulphate			56.49	64.96	y	59.65	68.60	5.6%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18	2017/18	VAT	2018/19	2018/19	% Increase
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	UV 4cm at 300nm			56.49	64.96	y	59.65	68.60	5.6%
FCR	Ammonia			56.49	64.96	y	59.65	68.60	5.6%
FCR	Residual Chlorine (DPD)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Total Dissolved Solids			56.49	64.96	y	59.65	68.60	5.6%
FCR	Nitrite (NO2)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Nitrate (NO3)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Nitrate + Nitrite			56.49	64.96	y	59.65	68.60	5.6%
FCR	Fluoride			56.49	64.96	y	59.65	68.60	5.6%
FCR	Copper			56.49	64.96	y	59.65	68.60	5.6%
FCR	Silica			56.49	64.96	y	59.65	68.60	5.6%
FCR	Phosphate (Total)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Geosmin and 2 Methylisoborneol			1134.04	1304.14	y	1196.43	1375.90	5.5%
FCR	Trihalomethanes			567.54	652.68	y	598.78	688.60	5.5%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18 Recalculated excl. VAT	2017/18 R incl. VAT	VAT Yes/No	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	% Increase
	LAB TESTS WASTEWATER/SOLID WASTE/INDUSTRIAL EFFLUENT		All charges are per test.						
FCR	Total Suspended Solids			87.46	100.57	y	92.26	106.10	5.5%
FCR	Total + Volatile Suspended Solids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Total + Volatile Solids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Settleable Solids			48.77	56.09	y	51.48	59.20	5.5%
FCR	Total Solids			87.46	100.57	y	92.26	106.10	5.5%
FCR	COD			146.14	168.06	y	154.17	177.30	5.5%
FCR	COD (filt)			146.14	168.06	y	154.17	177.30	5.5%
FCR	TKN			146.14	168.06	y	154.17	177.30	5.5%
FCR	Ammonia			87.46	100.57	y	92.26	106.10	5.5%
FCR	Nitrate			117.28	134.87	y	123.65	142.20	5.4%
FCR	Nitrite			117.28	134.87	y	123.65	142.20	5.4%
FCR	Nitrate + Nitrite			117.28	134.87	y	123.65	142.20	5.4%
FCR	Total Phosphorous			146.14	168.06	y	154.17	177.30	5.5%
FCR	Ortho-phosphate			96.14	110.56	y	101.39	116.60	5.5%
FCR	Chloride			87.46	100.57	y	92.26	106.10	5.5%
FCR	Sulphate			106.23	122.16	y	112.09	128.90	5.5%
FCR	pH			37.63	43.28	y	39.74	45.70	5.6%
FCR	pH (+sludges)			39.91	45.90	y	42.09	48.40	5.4%
FCR	Conductivity			39.91	45.90	y	42.09	48.40	5.4%
FCR	Alkalinity			87.46	100.57	y	92.26	106.10	5.5%
FCR	SVI			48.77	56.09	y	51.48	59.20	5.5%
FCR	DSVI			48.77	56.09	y	51.48	59.20	5.5%
FCR	Volatile Fatty Acids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Tannin			96.14	110.56	y	101.39	116.60	5.5%
FCR	Hydrazine			96.14	110.56	y	101.39	116.60	5.5%
FCR	Hydrogen Sulphide			56.49	64.96	y	59.65	68.60	5.6%
FCR	Residual Chlorine			58.68	67.49	y	61.91	71.20	5.5%
FCR	Arsenic (digested)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Arsenic (undigested)			56.49	64.96	y	59.65	68.60	5.6%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18 Recalculated excl. VAT	2017/18 R incl. VAT	VAT Yes/No	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	% Increase
FCR	BOD			253.33	291.33	y	267.30	307.40	5.5%
FCR	Boron			106.23	122.16	y	112.09	128.90	5.5%
FCR	Cyanide (total dissolved)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Fats & Oils (Gravimetric)			469.12	539.49	y	494.96	569.20	5.5%
FCR	Mercury			234.56	269.75	y	247.48	284.60	5.5%
FCR	Phenols (Total dissolved)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Metals (Individual)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Metals (Individual for Boreholes)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Metals (Individual for TCLP)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Metals (Total - Raw Influent)			1989.21	2,287.59	y	2098.61	2413.40	5.5%
FCR	Metals (Total - Final Effluent)			1989.21	2,287.59	y	2098.61	2413.40	5.5%
FCR	Metals (Total - Sludges)			2078.86	2,390.69	y	2193.22	2522.20	5.5%
FCR	Calcium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Potassium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Lithium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Magnesium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Molybdenum			146.14	168.06	y	154.17	177.30	5.5%
FCR	Selenium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Sodium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Flashpoint			146.14	168.06	y	154.17	177.30	5.5%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18 Recalculated excl. VAT	2017/18 R incl. VAT	VAT Yes/No	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	% Increase
	LAB TESTS: TOXIN ANALYSIS		All charges are per test.						
FCR	Microcystin - Eliza Method			1,033.33	1,188.33	y	1090.17	1253.70	5.5%
FCR	Mircocystin - HPLC Method			1,134.04	1,304.14	y	1196.43	1375.90	5.5%
	HYDROBIOLOGICAL ANALYSIS								
	Individual Tests								
FCR	Algal Enumeration & Identification			203.60	234.14	y	214.78	247.00	5.5%
FCR	Chlorophyll-a			188.16	216.38	y	198.52	228.30	5.5%
FCR	Phaeophytin			188.16	216.38	y	198.52	228.30	5.5%
	Price for combined tests			390.61	449.21	y	412.09	473.90	5.5%
	Algal Enumeration & Identification								
	Chlorophyll-a								
	Phaeophytin								
	LAB TESTS BACTERIOLOGICAL								
	INDIVIDUAL TESTS (treated water)		All charges are per test.						
FCR	Total heterotrophic Plate Count			85.18	97.95	y	89.91	103.40	5.6%
FCR	Total Coliform Count (membrane filtration			128.33	147.58	y	135.39	155.70	5.5%
FCR	Faecal Coliform Count (membrane filtration			128.33	147.58	y	135.39	155.70	5.5%
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			141.49	162.71	y	149.30	171.70	5.5%
FCR	Total Coliform + <i>E coli</i> (Colilert method)			226.84	260.87	y	239.30	275.20	5.5%
FCR	<i>Pseudomonas</i>			130.53	150.11	y	137.65	158.30	5.5%
	INDIVIDUAL TESTS (environmental water)		All charges are per test.						
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			154.82	178.05	y	163.30	187.80	5.5%
FCR	<i>E coli</i> Count (1dilution) (colilert method)			226.84	260.87	y	239.30	275.20	5.5%
FCR	For every additional dilution (colilert method)			85.18	97.95	y	89.91	103.40	5.6%
FCR	Enterococcus Count (membrane filtration			143.77	165.34	y	151.65	174.40	5.5%
FCR	PARASITES		Combined charges	3,425.35	3,939.15	y	3613.74	4,155.80	5.5%
	Cryptosporidium and Giardia								

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18	2017/18	VAT	2018/19	2018/19	% Increase
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18 Recalculated excl. VAT	2017/18 R incl. VAT	VAT Yes/No	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	% Increase
	LAB TESTS: HYDRO-ENVIRONMENTAL CHEMISTRY		All charges are per test.						
FCR	Alkalinity			87.46	100.57	y	92.26	106.10	5.5%
FCR	Aluminium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Ammonia			87.46	100.57	y	92.26	106.10	5.5%
FCR	Arsenic (digested)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Arsenic (undigested)			56.49	64.96	y	59.65	68.60	5.6%
FCR	BOD			253.33	291.33	y	267.30	307.40	5.5%
FCR	Boron			106.23	122.16	y	112.09	128.90	5.5%
FCR	Cadmium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Calcium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Calcium Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	Chloride			87.46	100.57	y	92.26	106.10	5.5%
FCR	Chromium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Cobalt			56.49	64.96	y	59.65	68.60	5.6%
FCR	COD			146.14	168.06	y	154.17	177.30	5.5%
FCR	COD (filtered)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Conductivity			39.91	45.90	y	42.09	48.40	5.4%
FCR	Copper			56.49	64.96	y	59.65	68.60	5.6%
FCR	Cyanide (total dissolved)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Dissolved Oxygen (probe)			37.63	43.28	y	39.74	45.70	5.6%
FCR	Flouride			56.49	64.96	y	59.65	68.60	5.6%
FCR	Geosmin & 2-Methylisoborneol			1,134.04	1,304.14	y	1196.43	1,375.90	5.5%
FCR	Iron			56.49	64.96	y	59.65	68.60	5.6%
FCR	Lead			56.49	64.96	y	59.65	68.60	5.6%
FCR	Lithium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Magnesium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Magnesium Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	Manganese			56.49	64.96	y	59.65	68.60	5.6%
FCR	Mercury			234.56	269.75	y	247.48	284.60	5.5%
FCR	Molybdenum			146.14	168.06	y	154.17	177.30	5.5%
FCR	Metals (Individual)			146.14	168.06	y	154.17	177.30	5.5%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18	2017/18	VAT	2018/19	2018/19	% Increase
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Metals (Individual for Boreholes)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Metals (Total - Sludges)		Combined Charge	2,078.86	2,390.69	y	2193.22	2,522.20	5.5%
FCR	Nickel			56.49	64.96	y	59.65	68.60	5.6%
FCR	Nitrate			117.28	134.87	y	123.65	142.20	5.4%
FCR	Nitrite			117.28	134.87	y	123.65	142.20	5.4%
FCR	Nitrate + Nitrite			117.28	134.87	y	123.65	142.20	5.4%
FCR	Ortho-phosphate			96.14	110.56	y	101.39	116.60	5.5%

INFORMAL SETTLEMENTS, WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2017/18	2017/18	VAT	2018/19	2018/19	% Increase
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	pH			37.63	43.28	y	39.74	45.70	5.6%
FCR	pH (Sludges)			39.91	45.90	y	42.09	48.40	5.4%
FCR	Phenols (total dissolved)			146.14	168.06	y	154.17	177.30	5.5%
FCR	Potassium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Residual Chlorine (DPD)			56.49	64.96	y	59.65	68.60	5.6%
FCR	Selenium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Silica			56.49	64.96	y	59.65	68.60	5.6%
FCR	Sodium			146.14	168.06	y	154.17	177.30	5.5%
FCR	Strontium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Sulphate			106.23	122.16	y	112.09	128.90	5.5%
FCR	Total Dissolved Solids			56.49	64.96	y	59.65	68.60	5.6%
FCR	Total Hardness			56.49	64.96	y	59.65	68.60	5.6%
FCR	TPON			146.14	168.06	y	154.17	177.30	5.5%
FCR	Total Phosphorous			146.14	168.06	y	154.17	177.30	5.5%
FCR	Total Solids			87.46	100.57	y	92.26	106.10	5.5%
FCR	Total Suspended Solids			87.46	100.57	y	92.26	106.10	5.5%
FCR	Total + Volatile Solids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Total + Volatile Suspended Solids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Turbidity			56.49	64.96	y	59.65	68.60	5.6%
FCR	UV 4cm at 300nm			56.49	64.96	y	59.65	68.60	5.6%
FCR	Vanadium			56.49	64.96	y	59.65	68.60	5.6%
FCR	Volatile Fatty Acids			96.14	110.56	y	101.39	116.60	5.5%
FCR	Zinc			56.49	64.96	y	59.65	68.60	5.6%
	A MINIMUM ADMINISTRATIVE HANDLING FEE OF R315.45 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R315.45 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED								