

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	VAT Yes/No	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	% Increase
	LAB TESTS: WATER (DRINKING)		All charges are per test.						
FCR	pH			39.74	45.70	y	41.39	47.60	4.16%
FCR	Conductivity			39.74	45.70	y	41.39	47.60	4.16%
FCR	Alkalinity			39.74	45.70	y	41.39	47.60	4.16%
FCR	Chloride			39.74	45.70	y	41.39	47.60	4.16%
FCR	Colour			39.74	45.70	y	41.39	47.60	4.16%
FCR	Calcium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Magnesium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Aluminium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Iron mg			59.65	68.60	y	62.09	71.40	4.08%
FCR	Antimony			59.65	68.60	y	62.09	71.40	4.08%
FCR	Arsenic (undigested)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Cyanide (total dissolved)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Phenol (total dissolved or free)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Selenium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Total Organic Carbon (TOC)			171.57	197.30	y	178.70	205.50	4.16%
FCR	Cadmium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Chromium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Cobalt			59.65	68.60	y	62.09	71.40	4.08%
FCR	Lead			59.65	68.60	y	62.09	71.40	4.08%
FCR	Nickel			59.65	68.60	y	62.09	71.40	4.08%
FCR	Strontium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Total Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	Calcium Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	Magnesium Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	Turbidity NTU			59.65	68.60	y	62.09	71.40	4.08%
FCR	Vanadium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Zinc			59.65	68.60	y	62.09	71.40	4.08%
FCR	Manganese			59.65	68.60	v	62.09	71.40	4.08%
FCR	Sodium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Potassium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Sulphate			59.65	68.60	y	62.09	71.40	4.08%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
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FCR	UV 4cm at 300nm			59.65	68.60	y	62.09	71.40	4.08%
FCR	Ammonia			59.65	68.60	y	62.09	71.40	4.08%
FCR	Residual Chlorine (DPD)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Total Dissolved Solids			59.65	68.60	y	62.09	71.40	4.08%
FCR	Nitrite (NO2)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Nitrate (NO3)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Nitrate + Nitrite			59.65	68.60	y	62.09	71.40	4.08%
FCR	Fluoride			59.65	68.60	y	62.09	71.40	4.08%
FCR	Copper			59.65	68.60	y	62.09	71.40	4.08%
FCR	Silica			59.65	68.60	y	62.09	71.40	4.08%
FCR	Phosphate (Total)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Geosmin and 2 Methylisoborneol			1196.43	1375.90	y	1 246.00	1 432.90	4.14%
FCR	Trihalomethanes			598.78	688.60	y	623.57	717.10	4.14%
	LAB TESTS WASTEWATER/SOLID WASTE/INDUSTRIAL EFFLUENT		All charges are per test.						
FCR	Total Suspended Solids			92.26	106.10	y	96.09	110.50	4.15%
FCR	Total + Volatile Suspended Solids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Total + Volatile Solids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Settleable Solids			51.48	59.20	y	53.65	61.70	4.22%
FCR	Total Solids			92.26	106.10	y	96.09	110.50	4.15%
FCR	COD			154.17	177.30	y	160.52	184.60	4.12%
FCR	COD (filt)			154.17	177.30	y	160.52	184.60	4.12%
FCR	TKN			154.17	177.30	y	160.52	184.60	4.12%
FCR	Ammonia			92.26	106.10	y	96.09	110.50	4.15%
FCR	Nitrate			123.65	142.20	y	128.78	148.10	4.15%
FCR	Nitrite			123.65	142.20	y	128.78	148.10	4.15%
FCR	Nitrate + Nitrite			123.65	142.20	y	128.78	148.10	4.15%
FCR	Total Phosphorous			154.17	177.30	y	160.52	184.60	4.12%
FCR	Ortho-phosphate			101.39	116.60	y	105.57	121.40	4.12%
FCR	Chloride			92.26	106.10	y	96.09	110.50	4.15%
FCR	Sulphate			112.09	128.90	y	116.70	134.20	4.11%

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	VAT Yes/No	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	% Increase
FCR	pH			39.74	45.70	y	41.39	47.60	4.16%
FCR	pH (+sludges)			42.09	48.40	y	43.83	50.40	4.13%
FCR	Conductivity			42.09	48.40	y	43.83	50.40	4.13%
FCR	Alkalinity			92.26	106.10	y	96.09	110.50	4.15%
FCR	SVI			51.48	59.20	y	53.65	61.70	4.22%
FCR	DSVI			51.48	59.20	y	53.65	61.70	4.22%
FCR	Volatile Fatty Acids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Tannin			101.39	116.60	y	105.57	121.40	4.12%
FCR	Hydrazine			101.39	116.60	y	105.57	121.40	4.12%
FCR	Hydrogen Sulphide			59.65	68.60	y	62.09	71.40	4.08%
FCR	Residual Chlorine			61.91	71.20	y	64.43	74.10	4.07%
FCR	Arsenic (digested)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Arsenic (undigested)			59.65	68.60	y	62.09	71.40	4.08%
FCR	BOD			267.30	307.40	y	278.35	320.10	4.13%
FCR	Boron			112.09	128.90	y	116.70	134.20	4.11%
FCR	Cyanide (total dissolved)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Fats & Oils (Gravimetric)			494.96	569.20	y	515.48	592.80	4.15%
FCR	Mercury			247.48	284.60	y	257.74	296.40	4.15%
FCR	Phenols (Total dissolved)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Metals (Individual)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Metals (Individual for Boreholes)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Metals (Individual for TCLP)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Metals (Total - Raw Influent)			2098.61	2413.40	y	2 185.48	2 513.30	4.14%
FCR	Metals (Total - Final Effluent)			2098.61	2413.40	y	2 185.48	2 513.30	4.14%
FCR	Metals (Total - Sludges)			2193.22	2522.20	y	2 284.00	2 626.60	4.14%
FCR	Calcium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Potassium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Lithium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Magnesium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Molybdenum			154.17	177.30	y	160.52	184.60	4.12%
FCR	Selenium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Sodium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Flashpoint			154.17	177.30	y	160.52	184.60	4.12%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	VAT Yes/No	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	% Increase
	LAB TESTS: TOXIN ANALYSIS		All charges are per test.						
FCR	Microcystin - Eliza Method			1090.17	1253.70	y	1 135.30	1 305.60	4.14%
FCR	Mircocystin - HPLC Method			1196.43	1375.90	y	1 246.00	1 432.90	4.14%
	HYDROBIOLOGICAL ANALYSIS								
	Individual Tests								
FCR	Algal Enumeration & Identification			214.78	247.00	y	223.65	257.20	4.13%
FCR	Chlorophyll-a			198.52	228.30	y	206.78	237.80	4.16%
FCR	Phaeophytin			198.52	228.30	y	206.78	237.80	4.16%
	Price for combined tests			412.09	473.90	y	429.13	493.50	4.14%
	Algal Enumeration & Identification								
	Chlorophyll-a								
	Phaeophytin								
	LAB TESTS BACTERIOLOGICAL								
	INDIVIDUAL TESTS (treated water)		All charges are per test.						
FCR	Total heterotrophic Plate Count			89.91	103.40	y	93.65	107.70	4.16%
FCR	Total Coliform Count (membrane filtration			135.39	155.70	y	140.96	162.10	4.11%
FCR	Faecal Coliform Count (membrane filtration			135.39	155.70	y	140.96	162.10	4.11%
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			149.30	171.70	y	155.48	178.80	4.14%
FCR	Total Coliform + <i>E coli</i> (Colilert method)			239.30	275.20	y	249.22	286.60	4.14%
FCR	<i>Pseudomonas</i>			137.65	158.30	y	143.39	164.90	4.17%
	INDIVIDUAL TESTS (environmental water)		All charges are per test.						
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			163.30	187.80	y	170.09	195.60	4.15%
FCR	<i>E coli</i> Count (1dilution) (colilert method)			239.30	275.20	y	249.22	286.60	4.14%
FCR	For every additional dilution (colilert method)			89.91	103.40	y	93.65	107.70	4.16%
FCR	Enterococcus Count (membrane filtration			151.65	174.40	y	157.91	181.60	4.13%
FCR	PARASITES		Combined charges	3613.74	4 155.80	y	3 763.39	4 327.90	4.14%
	Cryptosporidium and Giardia								

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	LAB TESTS: HYDRO-ENVIRONMENTAL CHEMISTRY		All charges are per test.						
FCR	Alkalinity			92.26	106.10	y	96.09	110.50	4.15%
FCR	Aluminium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Ammonia			92.26	106.10	y	96.09	110.50	4.15%
FCR	Arsenic (digested)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Arsenic (undigested)			59.65	68.60	y	62.09	71.40	4.08%
FCR	BOD			267.30	307.40	y	278.35	320.10	4.13%
FCR	Boron			112.09	128.90	y	116.70	134.20	4.11%
FCR	Cadmium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Calcium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Calcium Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	Chloride			92.26	106.10	y	96.09	110.50	4.15%
FCR	Chromium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Cobalt			59.65	68.60	y	62.09	71.40	4.08%
FCR	COD			154.17	177.30	y	160.52	184.60	4.12%
FCR	COD (filtered)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Conductivity			42.09	48.40	y	43.83	50.40	4.13%
FCR	Copper			59.65	68.60	y	62.09	71.40	4.08%
FCR	Cyanide (total dissolved)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Dissolved Oxygen (probe)			39.74	45.70	y	41.39	47.60	4.16%
FCR	Flouride			59.65	68.60	y	62.09	71.40	4.08%
FCR	Geosmin & 2-Methylisoborneol			1196.43	1 375.90	y	1 246.00	1 432.90	4.14%
FCR	Iron			59.65	68.60	y	62.09	71.40	4.08%
FCR	Lead			59.65	68.60	y	62.09	71.40	4.08%
FCR	Lithium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Magnesium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Magnesium Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	Manganese			59.65	68.60	y	62.09	71.40	4.08%
FCR	Mercury			247.48	284.60	y	257.74	296.40	4.15%
FCR	Molybdenum			154.17	177.30	y	160.52	184.60	4.12%
FCR	Metals (Individual)			154.17	177.30	y	160.52	184.60	4.12%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	VAT Yes/No	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	% Increase
FCR	Metals (Individual for Boreholes)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Metals (Total - Sludges)		Combined Charge	2193.22	2 522.20	y	2 284.00	2 626.60	4.14%
FCR	Nickel			59.65	68.60	y	62.09	71.40	4.08%
FCR	Nitrate			123.65	142.20	y	128.78	148.10	4.15%
FCR	Nitrite			123.65	142.20	y	128.78	148.10	4.15%
FCR	Nitrate + Nitrite			123.65	142.20	y	128.78	148.10	4.15%
FCR	Ortho-phosphate			101.39	116.60	y	105.57	121.40	4.12%
FCR	pH			39.74	45.70	y	41.39	47.60	4.16%
FCR	pH (Sludges)			42.09	48.40	y	43.83	50.40	4.13%
FCR	Phenols (total dissolved)			154.17	177.30	y	160.52	184.60	4.12%
FCR	Potassium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Residual Chlorine (DPD)			59.65	68.60	y	62.09	71.40	4.08%
FCR	Selenium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Silica			59.65	68.60	y	62.09	71.40	4.08%
FCR	Sodium			154.17	177.30	y	160.52	184.60	4.12%
FCR	Strontium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Sulphate			112.09	128.90	y	116.70	134.20	4.11%
FCR	Total Dissolved Solids			59.65	68.60	y	62.09	71.40	4.08%
FCR	Total Hardness			59.65	68.60	y	62.09	71.40	4.08%
FCR	TPON			154.17	177.30	y	160.52	184.60	4.12%
FCR	Total Phosphorous			154.17	177.30	y	160.52	184.60	4.12%
FCR	Total Solids			92.26	106.10	y	96.09	110.50	4.15%
FCR	Total Suspended Solids			92.26	106.10	y	96.09	110.50	4.15%
FCR	Total + Volatile Solids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Total + Volatile Suspended Solids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Turbidity			59.65	68.60	y	62.09	71.40	4.08%
FCR	UV 4cm at 300nm			59.65	68.60	y	62.09	71.40	4.08%
FCR	Vanadium			59.65	68.60	y	62.09	71.40	4.08%
FCR	Volatile Fatty Acids			101.39	116.60	y	105.57	121.40	4.12%
FCR	Zinc			59.65	68.60	y	62.09	71.40	4.08%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2018/19 Recalculated excl. VAT	2018/19 R incl. VAT	VAT Yes/No	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	% Increase
	A MINIMUM ADMINISTRATIVE HANDLING FEE OF R328.51 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R328.51 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED								