

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
	LAB TESTS: WATER (DRINKING)		All charges are per test.						
FCR	pH			46.87	53.90	y	49.13	56.50	4.82%
FCR	Conductivity			46.87	53.90	y	49.13	56.50	4.82%
FCR	Alkalinity			46.87	53.90	y	49.13	56.50	4.82%
FCR	Chloride			46.87	53.90	y	49.13	56.50	4.82%
FCR	Colour			46.87	53.90	y	49.13	56.50	4.82%
FCR	Calcium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Magnesium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Aluminium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Iron mg			70.35	80.90	y	73.74	84.80	4.82%
FCR	Antimony			70.35	80.90	y	73.74	84.80	4.82%
FCR	Arsenic (undigested)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Cyanide (total dissolved)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Phenol (total dissolved or free)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Selenium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Total Organic Carbon (TOC)			202.52	232.90	y	212.26	244.10	4.81%
FCR	Cadmium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Chromium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Cobalt			70.35	80.90	y	73.74	84.80	4.82%
FCR	Lead			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nickel			70.35	80.90	y	73.74	84.80	4.82%
FCR	Strontium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Total Hardness			70.35	80.90	y	73.74	84.80	4.82%
FCR	Calcium Hardness			70.35	80.90	y	73.74	84.80	4.82%

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Magnesium Hardness			70.35	80.90	y	73.74	84.80	4.82%
FCR	Turbidity NTU			70.35	80.90	y	73.74	84.80	4.82%
FCR	Vanadium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Zinc			70.35	80.90	y	73.74	84.80	4.82%
FCR	Manganese			70.35	80.90	y	73.74	84.80	4.82%
FCR	Sodium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Potassium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Sulphate			70.35	80.90	y	73.74	84.80	4.82%
FCR	UV 4cm at 300nm			70.35	80.90	y	73.74	84.80	4.82%
FCR	Ammonia			70.35	80.90	y	73.74	84.80	4.82%
FCR	Residual Chlorine (DPD)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Total Dissolved Solids			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nitrite (NO2)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nitrate (NO3)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nitrate + Nitrite			70.35	80.90	y	73.74	84.80	4.82%
FCR	Fluoride			70.35	80.90	y	73.74	84.80	4.82%
FCR	Copper			70.35	80.90	y	73.74	84.80	4.82%
FCR	Silica			70.35	80.90	y	73.74	84.80	4.82%
FCR	Phosphate (Total)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Geosmin and 2 Methylisoborneol			1 412.26	1 624.10	y	1 480.09	1 702.10	4.80%
FCR	Trihalomethanes			706.78	812.80	y	740.70	851.80	4.80%
	LAB TESTS WASTEWATER/SOLID WASTE/INDUSTRIAL EFFLUENT		All charges are per test.						

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Total Suspended Solids			108.87	125.20	y	114.09	131.20	4.79%
FCR	Total + Volatile Suspended Solids			119.74	137.70	y	125.48	144.30	4.79%
FCR	Total + Volatile Solids			119.74	137.70	y	125.48	144.30	4.79%
FCR	Settleable Solids			60.78	69.90	y	63.74	73.30	4.86%
FCR	Total Solids			108.87	125.20	y	114.09	131.20	4.79%
FCR	COD			181.91	209.20	y	190.61	219.20	4.78%
FCR	COD (filt)			181.91	209.20	y	190.61	219.20	4.78%
FCR	TKN			181.91	209.20	y	190.61	219.20	4.78%
FCR	Ammonia			108.87	125.20	y	114.09	131.20	4.79%
FCR	Nitrate			146.00	167.90	y	153.04	176.00	4.82%
FCR	Nitrite			146.00	167.90	y	153.04	176.00	4.82%
FCR	Nitrate + Nitrite			146.00	167.90	y	153.04	176.00	4.82%
FCR	Total Phosphorous			181.91	209.20	y	190.61	219.20	4.78%
FCR	Ortho-phosphate			119.74	137.70	y	125.48	144.30	4.79%
FCR	Chloride			108.87	125.20	y	114.09	131.20	4.79%
FCR	Sulphate			132.26	152.10	y	138.61	159.40	4.80%
FCR	pH			46.87	53.90	y	49.13	56.50	4.82%
FCR	pH (+sludges)			49.65	57.10	y	52.00	59.80	4.73%
FCR	Conductivity			49.65	57.10	y	52.00	59.80	4.73%
FCR	Alkalinity			108.87	125.20	y	114.09	131.20	4.79%
FCR	SVI			60.78	69.90	y	63.74	73.30	4.86%
FCR	DSVI			60.78	69.90	y	63.74	73.30	4.86%
FCR	Volatile Fatty Acids			119.74	137.70	y	125.48	144.30	4.79%
FCR	Tannin			119.74	137.70	y	125.48	144.30	4.79%

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Hydrazine			119.74	137.70	y	125.48	144.30	4.79%
FCR	Hydrogen Sulphide			70.35	80.90	y	73.74	84.80	4.82%
FCR	Residual Chlorine			73.04	84.00	y	76.52	88.00	4.76%
FCR	Arsenic (digested)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Arsenic (undigested)			70.35	80.90	y	73.74	84.80	4.82%
FCR	BOD			315.48	362.80	y	330.61	380.20	4.80%
FCR	Boron			132.26	152.10	y	138.61	159.40	4.80%
FCR	Cyanide (total dissolved)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Fats & Oils (Gravimetric)			584.17	671.80	y	612.17	704.00	4.79%
FCR	Mercury			292.17	336.00	y	306.17	352.10	4.79%
FCR	Phenols (Total dissolved)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Metals (Individual)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Metals (Individual for Boreholes)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Metals (Individual for TCLP)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Metals (Total - Raw Influent)			2 477.13	2 848.70	y	2 596.00	2 985.40	4.80%
FCR	Metals (Total - Final Effluent)			2 477.13	2 848.70	y	2 596.00	2 985.40	4.80%
FCR	Metals (Total - Sludges)			2 588.78	2 977.10	y	2 713.04	3 120.00	4.80%
FCR	Calcium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Potassium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Lithium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Magnesium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Molybdenum			181.91	209.20	y	190.61	219.20	4.78%
FCR	Selenium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Sodium			181.91	209.20	y	190.61	219.20	4.78%

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Flashpoint			181.91	209.20	y	190.61	219.20	4.78%
	LAB TESTS: TOXIN ANALYSIS		All charges are per test.						
FCR	Microcystin - Eliza Method			1 286.78	1 479.80	y	1 348.52	1 550.80	4.80%
FCR	Mircocystin - HPLC Method			1 412.26	1 624.10	y	1 480.09	1 702.10	4.80%
	HYDROBIOLOGICAL ANALYSIS								
	Individual Tests								
FCR	Algal Enumeration & Identification			253.48	291.50	y	265.65	305.50	4.80%
FCR	Chlorophyll-a			234.26	269.40	y	245.48	282.30	4.79%
FCR	Phaeophytin			234.26	269.40	y	245.48	282.30	4.79%
	Price for combined tests			465.04	534.80	y	487.39	560.50	4.81%
	Algal Enumeration & Identification								
	Chlorophyll-a								
	Phaeophytin								
	LAB TESTS BACTERIOLOGICAL								
	INDIVIDUAL TESTS (treated water)		All charges are per test.						
FCR	Total heterotrophic Plate Count			106.17	122.10	y	111.30	128.00	4.83%
FCR	Total Coliform Count (membrane filtration method)			159.83	183.80	y	167.48	192.60	4.79%
FCR	Faecal Coliform Count (membrane filtration method)			159.83	183.80	y	167.48	192.60	4.79%

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23 Recalculated excl. VAT	2022/23 R incl. VAT	VAT Yes/No	2023/24 Recalculated excl. VAT	2023/24 R incl. VAT	% Increase / decrease
FCR	<i>E coli</i> + Faecal Coliform Count (membrane filtration method)			176.17	202.60	y	184.61	212.30	4.79%
FCR	Total Coliform + <i>E coli</i> (Colilert method)			282.43	324.80	y	296.00	340.40	4.80%
FCR	<i>Pseudomonas</i>			162.52	186.90	y	170.35	195.90	4.82%
	INDIVIDUAL TESTS (environmental water)		All charges are per test.						
FCR	<i>E coli</i> + Faecal Coliform Count (membrane filtration method)			192.87	221.80	y	202.09	232.40	4.78%
FCR	<i>E coli</i> Count (1dilution) (colilert method)			282.43	324.80	y	296.00	340.40	4.80%
FCR	For every additional dilution (colilert method)			106.17	122.10	y	111.30	128.00	4.83%
FCR	Enterococcus Count (membrane filtration method)			179.04	205.90	y	187.65	215.80	4.81%
FCR	PARASITES		Combined charges	4 265.48	4 905.30	y	4 470.26	5 140.80	4.80%
	Cryptosporidium and Giardia								
	LAB TESTS: HYDRO-ENVIRONMENTAL CHEMISTRY		All charges are per test.						
FCR	Alkalinity			108.87	125.20	y	114.09	131.20	4.79%
FCR	Aluminium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Ammonia			108.87	125.20	y	114.09	131.20	4.79%
FCR	Arsenic (digested)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Arsenic (undigested)			70.35	80.90	y	73.74	84.80	4.82%
FCR	BOD			315.48	362.80	y	330.61	380.20	4.80%

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Boron			132.26	152.10	y	138.61	159.40	4.80%
FCR	Cadmium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Calcium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Calcium Hardness			70.35	80.90	y	73.74	84.80	4.82%
FCR	Chloride			108.87	125.20	y	114.09	131.20	4.79%
FCR	Chromium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Cobalt			70.35	80.90	y	73.74	84.80	4.82%
FCR	COD			181.91	209.20	y	190.61	219.20	4.78%
FCR	COD (filtered)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Conductivity			49.65	57.10	y	52.00	59.80	4.73%
FCR	Copper			70.35	80.90	y	73.74	84.80	4.82%
FCR	Cyanide (total dissolved)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Dissolved Oxygen (probe)			46.87	53.90	y	49.13	56.50	4.82%
FCR	Flouride			70.35	80.90	y	73.74	84.80	4.82%
FCR	Geosmin & 2-Methylisoborneol			1 412.26	1 624.10	y	1 480.09	1 702.10	4.80%
FCR	Iron			70.35	80.90	y	73.74	84.80	4.82%
FCR	Lead			70.35	80.90	y	73.74	84.80	4.82%
FCR	Lithium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Magnesium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Magnesium Hardness			70.35	80.90	y	73.74	84.80	4.82%
FCR	Manganese			70.35	80.90	y	73.74	84.80	4.82%
FCR	Mercury			292.17	336.00	y	306.17	352.10	4.79%
FCR	Molybdenum			181.91	209.20	y	190.61	219.20	4.78%
FCR	Metals (Individual)			181.91	209.20	y	190.61	219.20	4.78%

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CAT.	SERVICES RENDERED	UNIT	REMARKS	2022/23	2022/23	VAT	2023/24	2023/24	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Metals (Individual for Boreholes)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Metals (Total - Sludges)		Combined Charge	2 588.78	2 977.10	y	2 713.04	3 120.00	4.80%
FCR	Nickel			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nitrate			146.00	167.90	y	153.04	176.00	4.82%
FCR	Nitrite			146.00	167.90	y	153.04	176.00	4.82%
FCR	Nitrate + Nitrite			146.00	167.90	y	153.04	176.00	4.82%
FCR	Ortho-phosphate			119.74	137.70	y	125.48	144.30	4.79%
FCR	pH			46.87	53.90	y	49.13	56.50	4.82%
FCR	pH (Sludges)			49.65	57.10	y	52.00	59.80	4.73%
FCR	Phenols (total dissolved)			181.91	209.20	y	190.61	219.20	4.78%
FCR	Potassium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Residual Chlorine (DPD)			70.35	80.90	y	73.74	84.80	4.82%
FCR	Selenium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Silica			70.35	80.90	y	73.74	84.80	4.82%
FCR	Sodium			181.91	209.20	y	190.61	219.20	4.78%
FCR	Strontium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Sulphate			132.26	152.10	y	138.61	159.40	4.80%
FCR	Total Dissolved Solids			70.35	80.90	y	73.74	84.80	4.82%
FCR	Total Hardness			70.35	80.90	y	73.74	84.80	4.82%
FCR	TPON			181.91	209.20	y	190.61	219.20	4.78%
FCR	Total Phosphorous			181.91	209.20	y	190.61	219.20	4.78%
FCR	Total Solids			108.87	125.20	y	114.09	131.20	4.79%
FCR	Total Suspended Solids			108.87	125.20	y	114.09	131.20	4.79%
FCR	Total + Volatile Solids			119.74	137.70	y	125.48	144.30	4.79%

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Total + Volatile Suspended Solids			119.74	137.70	y	125.48	144.30	4.79%
FCR	Turbidity			70.35	80.90	y	73.74	84.80	4.82%
FCR	UV 4cm at 300nm			70.35	80.90	y	73.74	84.80	4.82%
FCR	Vanadium			70.35	80.90	y	73.74	84.80	4.82%
FCR	Volatile Fatty Acids			119.74	137.70	y	125.48	144.30	4.79%
FCR	Zinc			70.35	80.90	y	73.74	84.80	4.82%
FCR	Nitrate/Nitrite			70.35	80.90	y	73.74	84.80	4.82%
FCR	Total Coliform Count/100ml (Membrane Filtration Method)			159.83	183.80	y	167.48	192.60	4.79%
FCR	Oil (Total)			584.17	671.80	y	612.17	704.00	4.79%
FCR	Sulphides			181.91	209.20	y	190.61	219.20	4.78%
FCR	Total Nitrogen			181.91	209.20	y	190.61	219.20	4.78%
FCR	Sodium Absorption Ratio			70.35	80.90	y	73.74	84.80	4.82%
FCR	UV at 254nm			70.35	80.90	y	73.74	84.80	4.82%
	A MINIMUM ADMINISTRATIVE HANDLING FEE OF R376.35 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R376.35 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED								