



DIRECTORATE:	WATER AND SANITATION
PROJECT DESCRIPTION:	APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY OF LABORATORY CHEMICALS AND GLASSWARE FOR A PERIOD OF THREE (03) YEARS
BID NUMBER:	PM27/2019

ADDENDUM NO. 1

ADDENDUM TO PROJECT DOCUMENT IS FOLLOWS:

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NUMBER	DESCRIPTION
1.	The bid specification and pricing schedule was corrected as indicated in the briefing session with regards to page 36 of tender document. It was agreed in the briefing session that items for Glass and plastic breaker Class will be separated in order to price them individually. On page 37 branding for “ Duran Scotch Bottles Class ” The word Duran has been removed. The bidder will be required to price on new item for Idexx vessels sterile 120ml bottle below Scotch Bottles Class . The bidder is required to replace page 34 up to 39 of the tender document with the below erratum pages

BID NUMBER: PM27/2019

BID SPECIFICATIONS AND PRICING SCHEDULE**1. LABORATORY CHEMICALS**

<u>PRODUCT NAME</u>	<u>UNIT OF MEASURE</u>	<u>QUANTIT Y</u>	<u>TOTAL COST (VAT EXCL.)</u>
Sodium Chloride AR (500g) 99.9% Purity	Gram(g)	1	
Silver Nitrate AR (500g) 99% Purity	Gram(g)	1	
Sodium Carbonate AR (500g) 99% Purity	Gram(g)	1	
Ammonium Chloride AR (500g) 99.5% Purity	Gram(g)	1	
Ammonia solution 25% (2.5L) AR	Liter	1	
Ascorbic Acid sachets (100/packet)	Number	1	
Potassium Permanganate AR (500g) 99% Purity	Gram(g)	1	
Barium Chloride AR (500g) 99% Purity	Gram(g)	1	
Hydrochloric Acid 32% (2.5L) AR	Liter	1	
Glycerol (2,5L) AR 99.5% Purity	Liter	1	
Hexane(2,5L) AR 99.9 Purity	Liter	1	
Sodium Sulphate AR (500g) 99% Purity	Gram(g)	1	
Potassium dihydrogen Orthophosphate AR (500g) 99.5% Purity	Gram(g)	1	
Ammonium metavanadate AR (500g) 98.5% Purity	Gram(g)	1	
Ammonium heptamolybdate AR (500g) 99% Purity	Gram(g)	1	
Potassium Dihydrogen Phthalate AR (500g) 99% Purity	Gram(g)	1	
Potassium Chloride AR (500g) 99.5% Purity	Gram(g)	1	
Sodium salicylate AR (500g)	Gram(g)	1	
Sulphuric Acid 98% (2.5L)	Liter	1	
Nitric Acid AR (2.5L) AR 55% Purity	Liter	1	
Sodium Hydroxide AR (500g)98-100.5% Purity	Gram(g)	1	
Potassium nitrate AR (500g) 99.5% Purity	Gram(g)	1	
Potassium Iodide AR (500g) 99.5% Purity	Gram (g)	1	
Ammonium Sulphate AR (500g) 99% Purity	Gram (g)	1	
Potassium sodium tartrate tetra hydrate AR (500g) 99-102%	Gram (g)	1	
Absolute Ethanol 99% (2.5L) AR	Liter	1	
Acetone (2.5L) AR 99.8% Purity	Liter	1	
MFC Agar AR (500g)	Gram (g)	1	
M-Endo AR (500g)	Gram (g)	1	
Total Plate Count Agar AR (500g)	Gram (g)	1	
GN6 filter membrane (200/Packet)	number	1	
Filter paper 47mm (100/packet)	number	1	
Filter paper 185mm (100/packet)	number	1	
Filter paper 0.45µm (100/packet)	number	1	
pH buffer 4 (500ml)	Liter	1	

pH buffer 7 (500ml)	Liter	1	
pH buffer 9 (500ml)	Liter	1	
pH buffer 10 (500ml)	Liter	1	
Conductivity standard 147 μ S/cm (500ml)	Liter	1	
Conductivity standard 1413 μ S/cm (500ml)	Liter	1	
Conductivity standard 12880 μ S/cm (500ml)	Liter	1	
Turbidity standard 1NTU (100ml)	Liter	1	
Turbidity standard 10NTU (20ml)	Liter	1	
Turbidity standard 20NTU (20ml)	Liter	1	
Turbidity standard 100NTU (20ml)	Liter	1	
Turbidity standard 800NTU (20ml)	Liter	1	
COD standard 100ppm (500ml)	Liter	1	
COD standard 1000ppm (500ml)	Liter	1	
Solo chrome black T (100g)	Gram (g)	1	
Murexide (100g)	Gram (g)	1	
Phenolphthalein (100g) 99.5% Purity	Gram (g)	1	
Methyl Red (100g) 99% Purity	Gram (g)	1	
Bromo cresol green (100g)	Gram (g)	1	
Basic Fuchsin (100g)	Gram (g)	1	
Mercuric Iodide AR (100g)	Gram (g)	1	
Mercuric Chloride AR (100g) 99.5% Purity	Gram (g)		
Potassium Chromate AR(500g) 99% Purity	Gram (g)	1	
Magnesium chloride AR (500g) 98% Purity	Gram (g)	1	
Ethylenediamine Tetra- Acetic Acid Di- Magnesium Salt (EDTA) AR (500g) 99% Purity	Gram (g)	1	
Ethylenediamine Tetra- Acetic Acid Di- Sodium Salt (EDTA) AR (500g) 99% Purity	Gram (g)	1	
Nitraver X reagent test 'n tube (Vial)(0-30ppm) 50p/k	Number	1	
Nitraver 5 nitrate reagent for 25ml sample 100p/k	Gram (g)	1	
Chemical Oxygen Demand (3-150ppm) Vial 150p/k	Liter	1	
Chemical Oxygen Demand (20-1500ppm)(Vial) 150p/k	Liter	1	
Chemical Oxygen Demand (1000-15000ppm)(Vial) Nanocolor	Liter	1	
Chemical Oxygen Demand (5-60ppm) (Vial)Nanocolor	Liter	1	
Pan Indicator Solution 0.1% (100ml)	Number	1	
Alkaline Cyanide Reagent (100ml)	Number	1	
Spands reagents for Fluoride (500ml)	Number	1	
Parafilm	Meter	1	
100 % Pure cotton wool (1KG)	Kilo gram(kg)	1	
Aluminum Foil (450mm x 150m)	Meter	1	
DPD Free chlorine reagent (sachet) for 10ml sample (1000/packet)	Number	1	
DPD Total chlorine reagent (sachet) for 10ml sample (1000/packet)	Number	1	
DPD Residual chlorine reagent(sachet) for 10ml sample(1000/packet)	Number	1	
Nessler reagent (500ml)	Liter	1	
PhosVer 3 Phosphate Reagent for 10ml sample(Sachets) 100p/k	Gram(g)	1	
Mineral Stabilizer Reagent for 50ml	Number	1	
Polyvinyl Alcohol Dispersing Agent Reagent for 50ml	Number	1	

Multi Elements Certified Reference Material for ICP(Ag,Al,As,B,Ba,Be,Bi,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sr,Th,Tl,U,V,and Zn(100µg/ml)(500ml)	Liter	1	
Multi Elements Certified Reference Material (NO ₃ -N,PO ₄ -P, F ⁻ ,SO ₄ ,Cl ⁻ ,NO ₂ -N, NH ₃ -N,Na and Ca)(1000ppm) 1000ml	Liter	1	
Multi Elements Certified Reference Material (,SO ₄ ,Cl ⁻ (4000ppm) 1000ml	Liter		
Purolite (Resin for Distilled water) 25 Kg	Kilo gram(kg)	1	
Auto Clave tape (12mm x 5m)	Metre	1	
Sodium thiosulphate vessel 100ml	Liter	1	
ColliertPres/Abs Test(18H) for 100ml per box 200	Gram(g)	1	
Colishore for 100ml, 200 per box	Gram(g)	1	
Quantity Trays(Counts 0-200cfu/100ml) and (Counts 0-2.419 cfu/100ml) per box 100	Gram(g)	1	
Heterotrophic Plate Counts reagents 200 per box	Gram(g)	1	
Quality Control for colilert method	Gram(g)	1	
Comparator	Gram(g)	1	
Gram stain kit	Gram(g)	1	
Kliger Iron Agar	Gram(g)	1	
Tryptophan Broth	Gram(g)	1	
Kovac's Reagent	Gram(g)	1	
Immersion Oil	Gram(g)	1	
EC Mug Agar/Broth	Gram(g)	1	
Coliform Control (Live Cultures)	Gram(g)	1	
E.coli Control (Live Culture)	Gram(g)	1	
Autoclave sterility strips	Gram(g)	1	
Oxidase test Strips	Gram(g)	1	
Sodium Thiosulphate AR (500g) 99% Purity	Gram(g)	1	
Magnesium Sulphate AR (500g) 99% Purity	Gram(g)	1	
Calcium Carbonate AR (500g) 99% Purity	Gram(g)	1	
Di sodium Hydrogen Orthophosphate AR (500g) 99% Purity	Gram(g)	1	
TOTAL EXC. VAT			R
VAT			R
TOTAL INC.VAT			R

2. LABORATORY GLASSWARE

<u>PRODUCT NAME</u>	<u>UNIT OF MEASURE</u>	<u>QUANTITY</u>	<u>TOTAL COST (VAT EXCL.)</u>
Glass Beaker Class A 100ml	Number	1	
Plastic(Polypropylene) Beaker Class A 100ml	Number	1	
Glass Beaker Class A 250ml	Number	1	
Plastic (Polypropylene) Beaker Class A 250ml	Number	1	
Glass Beaker Class A 500ml	Number	1	

Plastic (Polypropylene) Beaker Class A 500ml	Number	1	
Glass Beaker Class A 1000ml	Number	1	
Plastic (Polypropylene) Beaker Class A 1000ml	Number	1	
Glass Beaker Class A 5000ml	Number	1	
Glass Beaker Class A 5000ml	Number	1	
Volumetric Flask Class A 250ml with stoppers	Number	1	
Volumetric Flask Class A 500ml with stoppers	Number	1	
Volumetric Flask Class A 1000ml with stoppers	Number	1	
Volumetric Flask Class A 2000ml with stoppers	Number	1	
Crucible Glass(filtration) 50ml	Number	1	
Measuring Cylinder Class A 10ml (Glass)	Number	1	
Measuring Cylinder Class A 10ml (Polypropylene)	Number	1	
Measuring Cylinder Class A 25ml (Glass)	Number	1	
Measuring Cylinder Class A 25ml(Polypropylene)	Number	1	
Measuring Cylinder Class A 50ml (Glass)	Number	1	
Measuring Cylinder Class A 50ml (Polypropylene)	Number	1	
Measuring Cylinder Class A 100ml (Glass)	Number	1	
Measuring Cylinder Class A 100ml(Polypropylene)	Number	1	
Measuring Cylinder Class A 500ml (Glass)	Number	1	
Measuring Cylinder Class A 500ml (Polypropylene)	Number	1	
Measuring Cylinder Class A 1000ml (Glass)	Number	1	
Measuring Cylinder Class A 1000ml (Polypropylene)	Number	1	
Measuring Cylinder Class A 2000ml Glass)	Number	1	
Measuring Cylinder Class A 2000ml (Polypropylene)	Number	1	
Bulb Thermometer (Red spirit)	Number	1	
Calibrated Timer or Digital Thermometer with probe(SANAS certificate)	Number	1	
Calibrated Infra-red Thermometer	Number	1	
Bulb Pipette 1ml	Number	1	
Bulb Pipette 2ml	Number	1	
Bulb Pipette 3ml	Number	1	
Bulb Pipette 4ml	Number	1	
Bulb Pipette 5ml	Number	1	
Bulb Pipette 6ml	Number	1	
Bulb Pipette 8ml	Number	1	
Bulb Pipette 10ml	Number	1	
Bulb Pipette 15ml	Number	1	
Bulb Pipette 20ml	Number	1	
Bulb Pipette 25ml	Number	1	
Bulb Pipette 50ml	Number	1	
Bulb Pipette 100ml	Number	1	
Graduated Pipette 5ml	Number	1	
Graduated Pipette 10ml	Number	1	
Graduated Pipette 20ml	Number	1	
Graduated Pipette 25ml	Number	1	
Graduated Pipette 50ml	Number	1	
Pipette stand	Number	1	
Scotch Bottles Class A 250ml	Number	1	
Scotch Bottles Class A 500ml	Number	1	

Scotch Bottles Class A 1000ml	Number	1	
Idexx vessels sterile 120ml bottle	Number	1	
Burette Class A 50ml	Number	1	
Test Tubes with caps 25ml and racks	Number	1	
Wash Glass 220mm	Number	1	
Wash Glass 10mm	Number	1	
Funnels Glass A (250ml)	Number	1	
Funnels Polypropylene (250ml)	Number	1	
Borosilicate Glass Bottle 1000ml	Number	1	
Buchner/Vacuum Flask 1000ml (Glass)	Number	1	
Buchner/Vacuum Flask 1000ml (polypropylene)	Number	1	
Buchner/Vacuum Flask 2000ml (Glass)	Number	1	
Buchner/Vacuum Flask 2000ml (polypropylene)	Number	1	
Borosilicate Conical Flask 2000ml	Number	1	
Wire Inoculation loop	Number	1	
Swabs Buds 20cm	Number	1	
Weighing boats 50ml	Number	1	
Weighing boats 100ml	Number	1	
Weighing boats 200ml	Number	1	
Micro Filtration cups 100ml (Auto cleavable)	Number	1	
Sterile plastic inoculation loops 200mm	Number	1	
Glass slides (microscope) and glass slits	Number	1	
Medicine dropper(10ml)	Number	1	
Glass rod(Spread plate) 10 cm with L shaped	Number	1	
Glass rod 50cm	Number	1	
Glass evaporating Dishes 100ml	Number	1	
Calibrated Micropipettes 1ml with tips and racks	Number	1	
Calibrated Micropipettes 5ml with tips and racks	Number	1	
Calibrated Micropipettes 10ml with tips and racks	Number	1	
Scintillation vial 30ml	Number	1	
Sample Cells 10ml (1"round short glass turbidity) with caps	Number	1	
Sample Cells 10ml (1" round Tall glass Chlorine) with caps	Number	1	
Autoclave Bags	Number	1	
Controller Pipette fillers (0.1-100ml)	Number	1	
Wash bottle 500ml	Number	1	
Wash bottle 1000ml	Number	1	
Spatula	Number	1	
Forceps	Number	1	
Cuvettes (1cm square quartz 10mm path length and polystyrene) with cap	Number	1	
Sample cells(1"square glass 10ml) with stopper	Number	1	
Sample cells(1"square glass 25ml matched) with stopper	Number	1	
Syringe 5ml	Number	1	
Syringe 10ml	Number	1	
Syringe 20ml	Number	1	
Syringe Filters(33mm, 0.45µm pore size)	Number	1	
Brush Cylinder (33cm),	Number	1	
Brush Test tube (24 cm)	Number	1	
Brush Burette (76-91cm)	Number	1	

Amber glass bottles wide mouth with caps (500ml)	Number	1	
Amber glass bottles wide mouth with caps(1000ml)	Number	1	
High density polyethylene storage bottle wide mouth with caps(2000ml)	Number	1	
Desiccant	Number	1	
Millipore chlorine tablets	Number	1	
Millipore filters	Number	1	
Millipore prograd	Number	1	
Magnetic Polyphenylsulfone Reusable Filters and Funnels (47mm)	Number	1	
Adjustable magnetic stirrer hot plate	Number	1	
Magnetic stir bars	Number	1	
Stainless steel filtration unit with six filters and six auto cleavable funnels or filtration cups (100ml)	Number	1	
Imhoff cone 1000ml with stand	Number	1	
Microscope	Number	1	
Speed Point roll (57mm x 40mm thermal)	Number	1	
TOTAL EXC. VAT			R
VAT			R
TOTAL INC.VAT			R

SUMMARY

ITEM	SUB TOTAL VAT EXCL.
1.LABORATORY CHEMICALS	R
2. LABORATORY GLASSWARE	R
TOTAL VAT INCL.	R

- The pricing schedule shall be increased in line with CPIX at anniversary of the contract.
- Materials will be delivered at (Asbes street Ladanna, Polokwane Waste Water Treatment Works offices) – Polokwane Municipality
- Costs shall include transportation and off -loading costs.