



WACWISA-UDS

PROCUREMENT PLAN FOR 2024



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Construction			
S/N	Items	Qty	Estimated Cost (GHS)
1	Installation of Lift	1	1,500,000.00
2	Repairs and Replacements	1	100,000.00
3	Refurbishment of Eatery	1	200,000.00
Total			1,800,000.00

Laboratory Equipment

S/N	Items	Qty	Estimated Cost (GHS)
1	VWR Ultrapure water system (P system starter setup)	1	245,000
2	Karl Fischer titrator Pharm Titrande	1	219,500
3	Memmert Incubator TwinDISPLAY	1	39,500
4	B00328IF750P] Memmert Stainless steel grid, shelve for incubator (For IF750Plus)	1	69,300
5	Centrifuge (50ml and 15ml Quechers tubes. 20 or up to 7000 rpm or more	2	337,001
6	Water-bath	2	49,000
7	Ultrasonic Sonicator Bath (6.5 liters)	1	38,500
8	Vwr® Traceable® Rtd Thermometer With Calibration, –100° To 300 °C Temperature Range	3	35,552
9	Vortex Mixer (Single vial; capacity of 0-3500 rpm or more with Adjustable speed)	3	19,500
10	LabTech MultiVap54 Automated Sample concentrator 7” touch-screen color control panel	1	439,500
11	Hydrometer		1,750
12	Digital Laboratory Rocker shaker and Mixers (Four E's Rocking Shaker 10-70 Rpm)	5	23,500
13	Laboratory Trolley – 3 Shelf, 250KG	1	4,800
14	Fisherbrand™ Isotemp™ Class II Ultra Low Temperature Freezer (Temperature Range -50°C to -86°C)	3	266,938
15	Thermo Scientific™ TSH Explosion Proof Combination Refrigerator/Freezer (Capacity 201 L	1	80,872
16	Polypropylene Acid Cabinet, 60" Tall SC5060	1	38,391
Total			1,908,604

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Laboratory Reagents

S/N	Items	Qty	Estimated Cost
1	Liquid Reagents (HACH)		
2	Fluoride (44449)	1	1,250
3	Hardness (2603100)	1	12,877
4	Powder Pillow Reagents (HACH)		
5	Chlorine, free (2105569)	1	1,299
6	Phosphate, ortho (212528)	1	2,150
7	Potassium (2459100)	1	9,950
8	Sulphate (2106769)	1	2,450
9	COD Vials, Mid-Range 0-1,500 ppm, 150 Pack	1	6,499
10	Standard Solutions (HACH)	-	
11	Silica (110649)	1	2,350
12	Sulphate (257849)	1	1,685
13	ORGANIC CHEMICALS with CAS:ETHERS:		
14	Ethyl ether (diethyl ether) (60-29-7)	1	650
15	Isopropyl ether (108-20-3)	1	750
16	HALOGEN COMPOUNDS:HYDROCARBONS:		
17	Pentane (109-66-0)	1	1,250
18	Benzene (71-43-2)	1	650
19	Toluene (108-88-3)	1	350
20	HYDROXYL COMPOUNDS:		
21	Ethyl alcohol (64-17-5)	1	350
22	Methyl alcohol (67-56-1)	1	350
23	n-Propyl alcohol (71-23-8)	1	750
24	Isoamyl alcohol (123-51-3)	1	595
25	Isobutyl alcohol (78-83-1)	1	850
26	Isopropyl alcohol (67-63-0)	1	385
27	KETONES:		
28	Acetone (67-64-1)	1	450
29	Hydrochloric acid, 30–70% solutions (20207.294p)	1	2,600
30	Nitric acid, 30–70% solutions (450041m)	1	2,850
31	Phosphoric acid, >70% solutions (69590734)	1	550
32	INORGANIC BASES with CAS#:		
33	Ammonium hydroxide, 30–70% solutions (21190.326)	1	385
34	Potassium hydroxide, 30–70% solutions (26633.29)	1	650
35	Sodium hydroxide, >70% solutions (28225.324)	1	450
36	MEDIA		
37	HiCrome™ UTI Agar	1	16,998
Total			72,373

Laboratory Glassware and Consumables

S/N	Items	Qty	Estimated Cost (GHS)
1	[1101-10] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (10 mL)	5	175
2	[5003-29/32] Quickfit® Round-Bottom Boiling Flask, Short Neck (Capacity: 1000 mL, Joint: St/Ns 29/32)	5	1,125
3	[5004-24/29] Quickfit® Round-Bottom Boiling Flask, Short Neck (Capacity: 2000 mL, Joint: St/Ns 24/29)	5	1,750
4	[201-1344] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (50 mL, Joint: 24/29 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	675
5	[201-1380] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (50 mL, Joint: 29/32 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	700
6	[201-1348] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (100 mL, Joint: 24/29 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	700
7	[201-1360] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (250 mL, Joint: 24/29 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	1,100
8	[201-1361] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (500 mL, Joint: 24/29 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	1,750
9	[201-1384] VWR® Quickfit Borosilicate Glass Short Neck Flat Bottom Boiling Flask, DIN 12348 (1000 mL, Joint: 29/32 NS) Very good chemical resistance High-temperature resistance Minimal thermal expansion, giving relatively high resistance to temperature changes	5	2,250
10	[8664-100] Measuring cylinder, tall form, class B, borosilicate 3.3 glass (100 mL with glass Hex. base)	5	425
11	[8664-250] Measuring cylinder, tall form, class B, borosilicate 3.3 glass (250 mL with glass Hex. base)	3	315
12	[8664-500] Measuring cylinder, tall form, class B, borosilicate 3.3 glass (500 mL with glass Hex. base)	3	435
13	[8664-1000] Measuring cylinder, tall form, class B, borosilicate 3.3 glass (1000 mL with glass Hex. base)	3	585
14	[8664-2000] Measuring cylinder, tall form, class B, borosilicate 3.3 glass (2000 mL with glass Hex. base)	3	855
15	[8669-5] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (5 mL)	7	315

16	[8669-10] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (10 mL)	7	385
17	[8669-25] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (25 mL)	7	385
18	[8669-50] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (50 mL)	7	455
19	[8669-100] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (100 mL)	7	595
20	[8669-250] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (250 mL)	7	840
21	[8669-500] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (500 mL)	7	1,225
22	[8669-1000] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (1000 mL)	7	1,855
23	[8669-2000] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (2000 mL)	7]2,450
24	[8669-5000] Volumetric flask, Borosilicate 3.3 glass, with PP white stopper (5000 mL)	7	4,550
25	[1642FA-100] Boro 3.3 Glass Burette with PTFE Straight Stopcock, Class A (100 mL)	7	2,695
26	[91687458] Set Of Burette With Mohr Clip 50Ml	5	425
27	[1633A-100] Volumetric Pipette 25Ml (100 mL)	5	975
28	[1633A-5] Volumetric Pipette 25Ml (5 mL)	5	625
29	[1633A-1] Volumetric Pipette 25Ml (1 mL)	5	625
30	[99812-0.5] VWR Graduated Measuring pipette, type 3, Class AS, Borosilicate glass 9.1 (0.5 mL, 0.01 mL divisions) Calibrated to deliver (TD, Ex) Marks and inscriptions in amber stain	5	325
31	[99812-01] VWR Graduated Measuring pipette, type 3, Class AS, Borosilicate glass 9.1 (1 mL, 0.01 mL divisions) Calibrated to deliver (TD, Ex) Marks and inscriptions in amber stain	5	350
32	[99812-05] VWR Graduated Measuring pipette, type 3, Class AS, Borosilicate glass 9.1(5 mL, 0.1 mL divisions) Calibrated to deliver (TD, Ex) Marks and inscriptions in amber stain	5	425
33	[99812-10] VWR Graduated Measuring pipette, type 3, Class AS, Borosilicate glass 9.1 (10 mL, 0.1 mL divisions) Calibrated to deliver (TD, Ex) Marks and inscriptions in amber stain	5	500
34	[99812-50] VWR Graduated Measuring pipette, type 3, Class AS, Borosilicate glass 9.1 (50 mL, 0.2 mL divisions) Calibrated to deliver (TD, Ex) Marks and inscriptions in amber stain	5	925
35	[4873-500] Distilling Flask, 500Ml (500 mL)	5	600
36	[4873-1000] Distilling Flask, 500Ml (1000 mL)	5	825
37	[3565-125] Boro 3.3 Filter Flask (125 mL)	5	325
38	[3565-500] Boro 3.3 Filter Flask (500 mL)	5	725
39	[8822-120] Borosilicate 3.3 Glass Vacuum Desiccator With Ground-In Stopcork & Porcelain Plate, Clear, 120Mm (Small, Ø 120mm)	3	2,550
40	8822-150] Borosilicate 3.3 Glass Vacuum Desiccator With Ground-In Stopcork & Porcelain Plate, Clear, 120Mm (Medium, Ø 150mm)	3	2,850
41	[8819-50] Borosilicate 3.3 glass Funnel with short stem (Ø 50mm) Very good chemical resistance High temperature resistance	6	390

42	[8820-250] Borosilicate 3.3 glass Separating funnel, squibb, with Plastic stopper (250 mL)	6	390
43	[8820-1000] Borosilicate 3.3 glass Separating funnel, squibb, with Plastic stopper (1000 mL)	6	750
44	[50440362] Thistle Funnel	6	150
45	[1101-25] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (25 mL)	6	210
46	[1101-50] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (50 mL)	6	270
47	[1101-100] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (100 mL)	6	330
48	[1101-250] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (250 mL)	6	390
49	[1101-500] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (500 mL)	6	600
50	[1101-1000] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (1000 mL)	6	960
51	[1101-5] Glass beakers, low form, borosilicate glass 3.3, clear, with spout (5 mL)	6	210
52	[8666-10] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (10 mL)	6	210
53	[8666-25] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (25 mL)	6	210
54	[8666-50] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (50 mL)	6	270
55	[8666-100] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (100 mL)	6	330
56	[8666-250] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (250 mL)	6	390
57	[8666-500] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (500 mL)	6	600
58	[8666-1000] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (1000 mL)	6	960
59	[8666-5] Conical Flask, Erlenmeyer shape, wide neck, borosilicate glass 3,3, clear (5 mL)	6	210
60	[11789618] Burnsen Burner	2	370
61	[3651-B] Tripod Stand (Height: 20cm, Platform Width: 12cm (big))	5	375
62	[5879-30] Porcelain Crucible with Lid (High Form) (30 mL)	5	175
63	[5879-50] Porcelain Crucible with Lid (High Form) (50 mL)	5	225
64	[5879-100] Porcelain Crucible with Lid (High Form) (100 mL)	5	325
65	[5879-20] Porcelain Crucible with Lid (High Form) (20 mL)	5	175
66	[14370923] Anti-Fog Protective Safety Goggles Clear Lens Wide-Vision Chemical Splash Eye Protection Soft Lightweight Eyewear	9	405
67	[30-0135A1] Biologix Transfer Pasteur pipettes, Individually Packed, Sterile (1 mL)	1	850
68	[SSP-01] Micro Spatula S.S (Micro, Small)	5	125
69	[SSP-002] Micro Spatula S.S (Macro, big)	5	175
70	[34155] Kimerly-Clark Kimwipes, 280/Pkt	2	370

71	[6800-6001] 3M 6000 Series Full Facepiece Respirator With Cartridges	2	2,900
72	[1001-090] Whatman® Qualitative Filter Paper, Grade 1 Circles (Ø 90mm)	2	550
73	[1001-110] Whatman® Qualitative Filter Paper, Grade 1 Circles (Ø 110mm)	2	570
74	[1001-125] Whatman® Qualitative Filter Paper, Grade 1 Circles (Ø 125mm)	5	1,725
75	[1001-055] Whatman® Qualitative Filter Paper, Grade 1 Circles (Ø 55 mm)	5	825
76	[SL/92002] Laboratory Safety Sign (Now Wash your Hands, 300x100mm)	6	720
77	[SL/92034] Laboratory Safety Sign (Eye Protection must be worn in area, 300x100mm)	6	720
78	[SL/92022] Laboratory Safety Sign (Protective gloves must be worn, 300x100mm)	6	720
79	[SL/92010] Laboratory Safety Sign (Protective clothing must be worn, 300x100mm)	6	720
80	[SL/92018] Laboratory Safety Sign (Wear Face Mask, 300x100mm)	6	720
81	[SL/92094] Laboratory Safety Sign (First Aid, 200x300mm)	5	1,200
82	[SL/92042] Laboratory Safety Sign (Ear Protection must be worn area; 300x100mm)	5	600
83	[66953513] Beaker Tongs (For Beakers) Stainless steel with vinyl coated tips	5	725
84	[GLV-NS] Powder-Free Nitrile Gloves (Small Size)	6	720
85	[GLV-NM] Powder-Free Nitrile Gloves (Medium Size)	6	720
86	[GLV-NL] Powder-Free Nitrile Gloves (Large Size)	6	720
87	[A90-101] Test Tube Rack Plastic (For 16mm Tubes)	6	390
88	[A91-102] Test Tube Rack Plastic (For 20mm Tubes)	6	390
89	[A89-01] Test Tube Rack Plastic (For 12.5mm tubes)	6	390
90	[A92-103] Test Tube Rack Plastic (For 25mm tubes)	6	390
91	[1190-S] WACWISA Branded High Quality Laboratory Coat, Long Sleeves, Cuffed (Small Size)	5	600
92	[1190-L] WACWISA Branded High Quality Laboratory Coat, Long Sleeves, Cuffed (Large Size)	8	960
93	[1190-XL] WACWISA Branded High Quality Laboratory Coat, Long Sleeves, Cuffed (X-Large)	8	960
94	[1190-XXL] WACWISA Branded High Quality Laboratory Coat, Long Sleeves, Cuffed (XX-Large)	5	600
Total			72,575

Communication

Items	Qty	Estimated Cost (GHS)
Conference Proceedings and Abstracts	400	30,000
Media Coverage and Reporting	1	7,000
Exhibition booth (12ftX10ft)	12	26,400
Beach Flags & Pull-ups	16	44,800
IRAD Branded name tags, note pads, pens	150	3,750
Wall and Desktop Calendars	250	16,250
Branded lacoste and field hat	150	15,000
Total		143,200

Communication Equipment

No.	Items	Qty	Estimated Cost (GHS)
1	Pull Up Banners	4	8,800
2	Gimbal	1	9,000
3	Home DSLR Camera Quick Carry Shoulder Strap	2	1,300
4	1 Pair of JBL 1RX 112BT with Stand	1	16,000
5	Pyle Pro PDWM4122 UHF Wireless System with 4 Bodypacks, 4 Headset Mics & Receiver with Bluetooth	1	2,800
6	Pyle Pro PDWM4700 UHF 4-Channel Professional Wireless Desktop Conference Microphone System with Selectable Frequency	1	2,500
7	ProX 13 RU Top DJ Mixer Flight Case with 6 RU Rack Space and Laptop Shelf	1	8,500
8	Adobe Creative Cloud 2024-yearly subscription	1	5,000
9	Envato Elements-yearly subscription	1	1,500
10	Freepick-yearly subscription	1	1,500
Total			56,900

Office Equipment and Consumables

No.	Items	Qty	Estimated Cost (GHS)
OFFICE EQUIPMENT			
1	Printers (2 colour, 6 black and white)	2	70,000
2	Office save	3	20,000
3	Wall Clock	5	1,000
OFFICE CONSUMABLES			
4	A4 Paper	50	5,000
5	Printer Toners		
5a	203A Black CF540A	3	3,000
5b	203A Cyan CF541A	3	3,000

5c	203A Magenta CF543A	3	3,000
5d	203A Yellow CF542A	3	3,000
6	Canon Image Runner 2530i (Toner type: C-EXV 33)	3	3,500
7	Staple machines	10	1,000
8	Staple pin (big)	10	500
9	Cellotape	10	500
10	Masking tap	10	500
<i>FITTINGS AND FIXTURES</i>			
11	Curtins	21	35,000
12	Auditorium stage with woollen carpet	1	3,000
Total			247,000

Transport			
No.	Items	Qty	Estimated Cost (GHS)
<i>VEHICLE TYRES</i>			
1	215/70 R17.5	7	37,000
2	285/50 R20	5	25,000
3	235/65 R16C	5	25,000
4	235/65 R18	5	25,000
<i>VEHICLE BATTERIES</i>			
1	17 Plate	2	2,500
2	15 Plate	2	3,000
Total			91,000
Grand Total			2,607,087