



PROJECTS

	PROJE		
	PAYMENT V	OUCHER PV2260)68
4		PV NO: PVZZO	AMOUNT
ALLOCATION:	DE	SCRIPTION	
AY: PAGTECH GHANA LIMITED	PAYMENT FOR SUPPLY& EQUIPMENTLOT	INSTALLATION OF LABORATORY	GHS
6/27/2023			2,852,239.05
NAJMU			
	AMT IN TWO MILLIO	ON EIGHT HUNDRED FIFTY-TWO THO NE GHANA CEDIS, FIVE GHANA PESE	WAS ONLY
I CERTIFY that the above am DATE:6/27/2023	ount is correct		Schedule Officer
Invoice num: LAB EQL	JP/WACWISA	DEBIT ACCOUNT CODE 2999002-CA-PRJ	3,250,027.48
	VAT 583,885.17 FLAT 0.00 THOLDCEN -199,960.67 HVATCEN -197,827.76	System Batch Details Batch: 1	14,254.00 Entry: 2.0
	unt Payable <u>2,852,239.05</u>	Cheque Number: Bank: ECOBANK Date:	WACWISA ACCOUNT
Date:		Verified by Internal Audi	
Approved By		UNIVERSITY FOR DEVINTERNAL AUDIO	T STUD. 100 ATE 106/20
	20	In respect of Payment	
Receive this	day of20		

PV226068

UNIVERSITY FOR DEVELOPMENT STUDIES

(Procurement Directorate)

Memorandum



To

Director, WACWISA

From

Director of Procurement

Date

June 26, 2023

Subject:

PAYMENT FOR THE SUPPLY AND INSTALLATION OF

LABORATORY EQUIPMENT WACWISA - LOT 1

I write for approval for the payment of an amount of Three Million, Two Hundred and Fifty Thousand and Twenty Seven Ghana Cedis, Forty Eight Pesewas (Gh¢ 3,250,027.48) to Wagtech Ghana Limited, Accra for the above as per the VAT invoices Numbered (22/0504454) and confirmation of work done memo attached

Duke A. Fredua

Director of Procurement

cc:

Director of Finance Director of Internal Audit

File

form (? Nutty 27/pb/23

26/6/23

More payment

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More payment

More payment

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)





INTERNAL MEMORANDUM

FROM: Lecturer/Head of Laboratory

TO : Director, WACWISA

DATE : 26th June, 2023

SUBJECT: REPORT ON THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT FOR CONTRACT LOT 1

Please, I write to report that the supply and installation of Laboratory Equipment for **Contract Lot 1** is completed successfully.

The equipment were tested with installation team and the WACWISA laboratory team and I write to indicate that they are working as required.

Thank you.

Dr. Richard Osei Agyemang

(Head of Laboratories)





PROJECTS

M	PAY	MENT V	OUCHER	o. PV226068	2
			PV N	U:	AMOUNT
-		DE	SCRIPTION	· FORY	
FOR	PAYMENT F EQUIPMENT	OR SUPPLY&	INSTALLATION OF LA	ABORATORT	GHS
					2,852,239.05
N S	AMT IN WORDS	TWO MILLIO	ON EIGHT HUNDRED F NE GHANA CEDIS, FIVE	GHANA PESEWA	SONLY
:	ount is correct			AN	Schedule Officer
4	IP/WACWISA		DEBIT ACCOUNT 2999002-CA-PR	CODE	3,250,027.48
2,6	or Payment:	2,666,142.31	System Batch Deta	ails Batch: 14.2	54.00 Entry: 2.0
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			APPROVEDE	Colo	
	day of	20	. In respect of Paymen	it	
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PV226068

UNIVERSITY FOR DEVELOPMENT STUDIES

(Procurement Directorate)

Memorandum



To

Director, WACWISA

From

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Date

June 26, 2023

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Duke A. Fredua

Director of Procurement

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Director of Finance Director of Internal Audit

File

My process form alc.
Whensit adi Multy
27/pb/2

26/6/23

Moisted Acct payment

Pla Miles Payment

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)



INTERNAL MEMORANDUM

FROM: Lecturer/Head of Laboratory

TO: Director, WACWISA

DATE : 26th June, 2023

SUBJECT: REPORT ON THE SUPPLY AND INSTALLATION OF LABORATORY

EQUIPMENT FOR CONTRACT LOT 1

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Thank you.

Dr. Richard Osei Agyemang

(Head of Laboratories)

GHANA REVENUE AUTHORITY

ORIGINAL (CUSTOMER)



22/ 0504454





TAX INVOICE

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ate of Si	upply DS los lacas DESCRIPTION	UNIT PRICE	AMOUNT
QTY	COSTEACT FOR THE	2,666,142-31	2,666142.31
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0)	Tax Exclusive Value	66, 683	· SA
(ii)	NHIL (2.5%) GETFund Levy (2.5%)	66,658 26,661	:56
(iii)	COVID-19 Levy (1%)	26,601	2,826,110.55



Procurement Department
University for Development Studies,
UDS,Central Administration (Off
Kumasi Road),Room 104, Tamale
Northern Region

Plot 8, Justice. A. Brobbey Ave. 2nd Street, New Achimota Mile7 GW1109-Accra. P. O. Box AT 211 Achimota Market Mall Accra – Ghana Tel: +233 (0) 302-910 951 (0) 30-709 0326 Tel/Fax: 0302 412 406 info@wagtechgh.com.gh

Wagtech Ghana Ltd.

INVOICE NO. WG/2023-20-06-010rev/GAA-ka CONTRACT FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 PACKAGE NO.NR/UDS/WACWISA/GD/001/22

Item	Description	Unit	Qty	Unit Price (GH¢)	Total Price (GH¢)
LABO	RATORY EQUIPMENT (LOT 1)				
2	WSL50-PRO STANDARDS KIT- CHN/S(O) Kit 1 2,508.04 2,508.04 - includes benzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and sulfamic acid (N2410501).	Each	10	117,974.11	1,179,741.07
3	LPV441.99. 00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,E1x Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual	Each	2	412,362.15	824,724.29
4	Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc, Automatic calculation of curve coefficients. Language Selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with PC for Data Collection Software. Automatic selection of filters. Up to 12 point calibration capability. Water Trap and Air Pressure adjustment on main unit. Oil Free Air compressor with buffer tank	Each	1	85,375.75	85,375. <mark>7</mark> 5
4.1	910-006 FP910 Touch Station-Pro data collection software Allows for data and calibration factors and data to be stored on to a Windows Based PC. Full control of the basic collection of data from the Flame Photometer for models Fp910-4 and FP901-5	Each	1	12,100.89	12,100.89

	15% VAT GRAND TOTAL = SUB-TOTAL B + 159 t in Words: Three Million, Two Hundred and Fifty The				423,916.63 3,250,027.48
S	SUB TOTAL B (SUB TOTAL-A + COVID-19 HRL-1%/ NHIL	-2.5%/GE	TFUND)-2.5%)	2,826,110.85
GETFUND-2.5%					
	66,653.56				
	1% COVID-19 Health Recovery Levy NHIL-2.5%	(CRL)			26,661.42
	SUB-TOTAL A				2,666,142.3
5.1	F1-10-2-A Digital Hydraulics Bench with Flow Meter	Each	1	102,092.33	102,092.3
5	C4-MKII-2. 5M-11-A Multi-purpose Flume - 2.5m with Basic Accessories & Flowmeter (Incorporates Basic Hydraulics Bench F1-10-A)	Each	1	433,411.59	433,411.5
4.7	910-002 Complete Nebuliser including burner and atomiser	Each	1	7,952.01	7,952.0
4.6	STD-BA 500ml of 1mg/ml standard solution of Barium	Each	1	4,148.88	4,148.8
4.5	STD-CA 500ml of 1mg/ml standard solution of Calcium	Each	1	4,148.88	4,148.8
4.4	STD-LI 500ml of 1mg/ml standard solution of Lithium	Each	1	4,148.88	4,148.8
4:3	STD-K 500ml of 1mg/ml standard solution of Potassium	Each	1	4,148.88	4,148.8
4.2	STD-NA 500ml of 1mg/ml standard solution of Sodium	Each	1	4,148.88	4,148.8
The state of the s	is available. The software is pre loaded on to a 10 inch Windows Tablet operating in Windows 10 with a touch screen. FP910 Touch Station Pro will allow the exporting of data in Excel Format, MS Word and PDF. USB Interface and Tablet Stand are included.				

PAYMENT MODE

PAYMENT BY	CHEQUE ISSUED IN OUR FAVOUR OR BY BANK TRANSFER	
BANK NAME	NATIONAL INVESTMENT BANK	
ACCOUNT NAME	WAGTECH GHANA LIMITED	
ACCOUNT NUMBER	1112002609101	
BRANCH NAME	osu	
BRANCH NUMBER	12	
SORT CODE	050111	
SWIFT CODE	NIBGGHAC	

Yours faithfully WAGTECH GHANA LIMITED

Irene Ohene Akoto

Office Manage

WAGTECH GHANA LIMITED
P. O. BOX AT 211, ACHIMOTA
ACGRA - GHANA
TEL: 0302412406/0307090326
Email: info@wagtech.com.gh



PAYMENT VOUCHER

FINAL PAYMENT IFO WAGTECH GH. LTD PER PV(226068)

AI I	OCATION:		

WAGTECH GHANA LIMITED

Signature of Receiver

PV NO: PV226181

DESCRIPTION AMOUNT

	INALIAN	ILIVI IFO VV	AGTECH GH. LTD PER PV(220000)	
7/4/2023		· ct	ion on PV 22 60 68.	GHS
PREPARED BY	601	1-60	1011 31(10 22 6000)	
NAJMU				119,976.40
	AMT IN WORDS		DRED NINETEEN THOUSAND NINE HUNDRE EDIS, FORTY GHANA PESEWAS ONLY	ED SEVENTY-SIX
I CERTIFY that the above amo DATE: 7/4/2023	ount is correct		So	chedule Officer
Invoice num: WAGTECI	H/PV226068		DEBIT ACCOUNT CODE 2999002-CA-PRJ	119,976.40
Authorised and passed for	Payment:	119,976.40	System Batch Details Batch: 14,309.	00 Entry: 3.00
		0.00 0.00 0.00 0.00 119.976.40	Cheque Number: OCOST Bank: ECOBANK WACW Date: DE COST Verified by Internal Audit	ISA ACCOUNT
	pequin.	0	MITERNAL AUDIT TECTORATE	
Receive this	day of	20 Ir	respect of Payment	
The Sum of				
	Ghana Ceo	dis	Pesewas	

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Name & Telephone of Receiver



PV NO: PV226068

PROJECTS

PAYMENT VOUCHER

PAY: WAGTECH GHANA LIMITED		The second secon	ESCRIPTION		AMOUNT
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PREPARED BY					2,852,239.05
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DATE: 6/27/2023					uttum,
Invoice num: LAB EQUP/	WACWISA		DEBIT ACCOUNT 2999002-CA-PR		3,250,027.48
Authorised and passed for P	Payment: 2,66	66,142.31	System Batch Det	ails Batch: 14,254.0	
Tax WITHO WITHOA Net Amount	FLAT OLDCEN -19 ATCEN -19	83,885.17 0.00 99,960.67 97,827.76 52,239.05	Cheque Number:	000498	<u>zv</u>
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Approved By			Verified by	nternal Audit	
			TANERY SERVICE	27 Com	406/2023
Receive this	day of	20 In	respect of Payment		
The Sum of					
	Ghana Cedi	s		Pesewas	

ALLOCATION:

(Procurement Directorate)

Memorandum



To

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Director, WACWISA

From

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Date :

June 26, 2023

Subject:

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Duke A. Fredua

Director of Procurement

cc:

Director of Finance Director of Internal Audit

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27/pb/23

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ANA REVENUE AUTHORITY

AL (CUSTOMER)



22/ 0504454





REPUBLIC OF GHANA

TAX INVOICE

From WARTECH CHANN LID	Supplier's TIN.C	`D002	35 <i>157</i> -9	
	Customed's TIN	SELECTED FAR	A CONTROL OF THE STATE OF THE S	
TO UNIVERSITY TOR DEVELOPMEN	Date of Invoice ວັໂ	20106	/acə3	
STYDIES, LIDS				

QTY	DESCRIPTION	UNIT PRICE (excluding VAT & COVID-19 LEVY	AMOUNT
	CONTRACT FOR THE SUPPLY AND HASTALIAN OF LABORATION? EQUIPMENT - LOT I CONTRACT MO: MRI UDS! WAGWISA! GD (CO) 100	2,666,142-31	2, 6th, 199
And the restriction of	Exclusive Value	The second secon	2,666,142·31
Transcription At	IIL (2.5%)	66, 653-51	
	TFund Levy (2.5%) VID-19 Levy (1%)	66,655-56	
rom ista estabamba. Na fall la tablicaci	THE SET WANT ROOM THE SET TO SEE TO BE SEEN AND SET OF	26,661.42	
SHAME STATE OFFI	al Levy Inclusive Value (i+ii+iii+iiv		2,826,110.05
E SERVICE SAL	(12.5%) (v)		423,916.63
vii) lota	al Tax Inclusive Value (v+vi)		3000 001 NO

Terms of Payment...... しせを (沁と

GRA FORM C (VAT REGULATION 21(1)(2))

Supplier's Signature

vagtech

Nagtech Ghana Ltd.
Plot 8, Justice A. Brobbey
Ave.2nd Street, New
Achimota Mile7GW1109
Accra.

P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 95

(0) 307-090 32 (0) 20-222 207

Tel/Fax: 0302 412 406 georgek@wagtech.com.gh

01/GK-ka

ORY /2022).

act. We write

act for

n June, 2023

the Vice-Chancellor, alty for Development Studies, UDS, al Administration (off Kumasi Road), in 104, Tamale orthern Region



Wagtech Ghana Ltd.
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Ave.2nd Street, New
Achimota Mile7GW1109 Accra.
P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 951
(0) 307-090 326
(0) 20-222 2079

Tel/Fax: 0302 412 406 georgek@wagtech.com.gh

W wagtech

Our Ref.: WG/2306-0101/GK-ka

Dear Sir,

CONTRACTS FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 (CONTRACT.NO.: NR/UDS/WACWISA /GD/007/2022).

REQUEST FOR CONTRACTS PRICE VARIATION.

With reference to your letter dated 19th June,2023 in respect of the above-mentioned Contract. We write to accept the price increment of the original Contract Price.

Enclosed in this letter is our Invoices covering the goods which was supplied under this contract for settlement.

We thank you for this award.

Yours faithfully WAGTECH GHANA LIMITED

George Korankye
Managing Director

CC: The Pro Vice-Chancellor, UDS

The Registrar, UDS

The Director-WPD, UDS

The Director of Finance, UDS

The Director, WACWISA, UDS

Pls, Fyrixnes

pls, Fyrixnes

22/06/23





ment Department
eity for Development Studies,
entral Administration (Off
asi Road),Room 104, Tamale
thern Region

Wagtech Ghana Ltd.
Plot 8, Justice. A. Brobbey
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Tel: +233 (0) 302-910 951
(0) 30-709 0326
Tel/Fax: 0302 412 406
info@wagtechgh.com
info@wagtech.com.gh

INVOICE NO. WG/2023-20-06-010rev/GAA-ka CONTRACT FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 PACKAGE NO.NR/UDS/WACWISA/GD/001/22

人。	Unit	Qty	Unit Price (GH¢)	Total Price
RATORY EQUIPMENT (LOT 1)			(6114)	(GH¢)
WSL50-PRO				
- includes benzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and cylfamia	Each	10	117,974.11	1,179,741.07
LPV441 99 00002				
UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuyette-tests and explicated	Each	2	412,362.15	824,724.29
scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal- Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB- interfaces for data storage devices. Reviseard, printer				
TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US.EIx Universal-Adapter 1x Lines cells)				
accessories Printed multilingual basic user manual				
Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium Potassium	Each	1	85,375.75	85,375.75
colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc. Automatic calculation of				
Turkish dilu Portuguese - More to follow) Flamo out cafet.				
Software. Automatic selection of filters. Up to 13 point				
adjustment on main unit. Oil Free Air compressor with buffer tank				
910-006 FP910 Touch Station-Pro data collection software Allows for data and calibration factors and data to be stored on to a Windows Based PC. Full control of the basic calls at a collection to a windows Based PC.	Each	1	12,100.89	12,100.89
	LPV441.99.00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,E1x Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual FP910-5 Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc, Automatic calculation of curve coefficients. Language Selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with PC for Data Collection Software. Automatic selection of filters. Up to 12 point calibration capability. Water Trap and Air Pressure adjustment on main unit. Oil Free Air compressor with buffer tank	rincludes Debrzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and sulfamic acid (N2410501). LPV441.99. 00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength Scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,E1x Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual FP910-5 Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. 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LPV441.99, 00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,EIx Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual FP910-5 Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with PC for Data Collection Software. Automatic selection etc. Automatic calculation of curve coefficients. Language Selec	Initialization benzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and sulfamic acid (N2410501). LPV441.99.0002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WGA colour touch displayIMR2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,EIx Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual FP910-5 Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc, Automatic calculation of curve coefficients. Language Selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with P for Data Collection Software. Automatic selection of fi

	In Excel Format, MS Word and PDF. USB Interface and let Stand are included.				
	00ml of 1mg/ml standard solution of Sodium	Engl			
	ATD-K	Each	1	4,148.88	4,148.88
	500ml of 1mg/ml standard solution of Potassium	Each	1	4,148.88	4,148.88
1	500ml of 1mg/ml standard solution of Lithium	Each	1	4,148.88	4,148.88
1	500ml of 1mg/ml standard solution of Calcium	Each	1	4,148.88	4,148.88
1.6	500ml of 1mg/ml standard solution of Barium	Each	1	4,148.88	4,148.88
4.7	Complete Nebuliser including burner and atomiser	Each	1	7,952.01	
5	Multi-purpose Flume - 2.5m with Basic Accessories & Flowmeter (Incorporates Basic Hydraulics Bench 51-10-4)	Each	1	433,411.59	7,952.01 433,411.59
5.1	F1-10-2-A Digital Hydraulics Bench with Flow Meter	Each	1	102,092.33	102.000.00
	SUB-TOTAL A		-	102,092.33	102,092.33 2,666,142.31
	1% COVID-19 Health Recovery Levy	(CRL)			
	NHIL-2.5%				26,661.42 66,653.56
	GETFUND-2.5%				
5	UB TOTAL B (SUB TOTAL-A + COVID-19 HRL-1%/ NHIL-	-2.5%/GE	TFUND	-2.5%)	66,653.56
	15% VA			2.0 70)	2,826,110.85
A 1	GRAND TOTAL = SUB-TOTAL B + 15% in Words: Three Million, Two Hundred and Fifty The ight Pesewas.	6 VAT			423,916.63 3,250,027.48

PAYMENT MODE

A A COLUMN TO THE REAL PROPERTY OF THE PARTY	
PAYMENT BY	CHEQUE ISSUED IN OUR FAVOUR OR BY BANK TRANSFER
BANK NAME	NATIONAL INVESTMENT BANK
ACCOUNT NAME	WAGTECH GHANA LIMITED
ACCOUNT NUMBER	1112002609101
BRANCH NAME	OSU
BRANCH NUMBER	12
SORT CODE	050111
SWIFT CODE	NIBGGHAC

Yours faithfully WAGTECH GHANA LIMITED

Irene Ohene Akoto Office Manage WAGTECH GHANA LIMITED
P. O. BOX AT 211, ACHIMOTA
ACGRA - GHANA
TEL: 0302412406/0307090326
Email: info@wagtech.com.gh

2003 A 10/03/2022078/03/2023 634 01770-22080 thane waw,uds.edu.gb mail: veuruds.edu.gli.

P. O. Box 1350 Tamate, Ghana

Date:.....

Our Roft......

June 19, 2023

OFFICE OF THE VICE-CHANCELLOR Your Reft.....

The Managing Director **WAGTECH Ghana Limited** P.O. Box AT 211 Accra ·

Dear Sir,

Re: Contracts for the Supply and Installation of Laboratory Equipment - Lot 1 (NR/UDS/WACWISA/GD/007/2022) - Request for Contract Price Variation

I write with reference to your letter dated May 19, 2023 on the above subject. Your request has been examined by Management and a 15% price increment of the original Contract Price has been granted.

The VAT rate of 15% instead of the original 12.5% has also been granted since it is statutory. Your contract price has now increased from Two Million, Seven Hundred and Sixty Four Thousand, Six Hundred and Seventy Three Ghana Cedis Sixty One Pesewas (Gh¢2,764,673.61) to Three Million, Two Hundred and Fifty Thousand and Twenty Seven Ghana Cedis Forty Five Pesewas (Gh¢3,250,027.45).

You are to communicate in writing your acceptance of the new contract price and submit a revised invoice to cover the changes.

Thank you.

Yours faithfully,

Prof. Seidu Al-hassan Vice-Chancellor

cc: Pro-Vice-Chancellor Registrar Director, Finance A.g Director of Internal Audit Director, WPD

Director, WACWISA

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND NITROGEN ANALYSERS. PRICE SCHEDULE

Description Country of Origin	Qty U/Price (GF	JUPrice (GH¢) • Total Price of Total CIP Site Incidental Services & Services	***Total Price of Inland Delivery to Final Destination (GH¢)	Total CIP Site (GH¢)	Incidental Services & others (GH¢) (Installation)	псе	Kemarks
2 3	4 5	6=(4x5)	7	8=(6+7)	**** 6	10=(8+9)	11

Y	HYDROGEN, CARBON AND NITROGEN ANALYSER	2								
-	F30800100 "Elemental Analyzer CHNS-O, model EMA 502 - Precise, versatile, cloud-enabled micro elemental analyzer for Carbon, Hydrogen, Nitrogen, Sulfur and Oxygen determination with Helium and Argon as carrier gas - SAMPLE WEIGHT: Up to 100mg (depending on C content) - DETECTOR: TCD (Thermal Conductivity Detector) - AUTOSAMPLER CAPACITY: up to 4 discs, 30 positions each (up to 117 samples) - CARRIER GAS: Helium or Argon (Argon for CHN determination)	J	-	1,164,713.17 1,164,713.17	1,164,713,17		1,164,713.17		1,164,713.17	
1.1		13	н	116,268.00	116,268.00	1	116,268.00	1	116,268.00	
1.2		EU	1	50,524.92	50,524.92		50,524.92	1	50,524.92	
-	A00000432 1 3 Kit annow, 1000 analysis for CHNS	EU	н	58,783.54	58,783.54	1	58,783.54		58,783.54	
		-								1 of 3

Signed:

WAGTECH SHAMA LIMITED P. O. BOX AT 211 ACHMOTA ACCKA - GHANA TEL: 0302412406/0307098326 Eman: info@wagtech.com.gh

> Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 10th May, 2023

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND **NITROGEN ANALYSERS.** PRICE SCHEDULE

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Street

Special Property of

Statument

	EU 1	61,858.46	61,858.46 61,858.46		61,858,46	•	61.858.46	
Installation, Commissioning and Training (ICT) charges	EU 1	115,923.14	115,923.14 115,923.14		115,923.14		115,923,14	
		SUB-TOTAL (A)	(A)		and broughings and principal formulation in the continue of th			1,568,071.23
	1% COVID-19		Health Recovery Levy (CRL)	(1)				15,680.71
		NHIL 2.5%	٥					39,201.78
		GETFUND 2.5%	2%					39,201.78
B TOTAL	SUB TOTAL B (SUB-TOTAL (A	L (A)+CRL 1%	1)+CRL 1%+NHIL 2.5%+GETFUND 2.5%	GETFUND	0 2.5%	And the second s		1,662,155,50
		15%VAT						249,323,33
	GRAND TOTAL	TAL = SUB-TOT	= SUB-TOTAL B + 15%VAT	II				1,911,478,83
							•	

GRAND TOTAL (GH¢ 1,911,478.83) In words; One Million, Nine Hundred and Eleven Thousand, Four Hundred and Seventy-Eight Ghana Cedis Eighty-Three Pesewas.

PLEASE NOTE:

a. All our Price do Include all Import Tariffs as Import Duty, Import VAT, Ecowas Levy etc.

Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 10th May, 2023

Wastrem Shama.imited p. d. box at 211 Actinota Accea - Ghana Tel: 0302412406/0307098326 Eman: Info@wagtech.com.gh

2 of 3

UDS-31481-44603-VR-GAA-ka

Tal:0372093659/0372022078/0372026634 Fax: 03720-22080 Website: www.uds.edu.gh Email: ve@uds.edu.wh NR/UDS/WACWISA/GD/002/202

P. O. Bux 1340 Tamale, Chana

October 25, 2022

Your Ref.....

OFFICE OF THE VICE-CHANCELLOR

The Managing Director Wagtech Ghana Limited P.O. Box AT 211 Accra

Dear Sir,

NOTIFICATION OF AWARD

This is to notify you that your Tender dated September 7, 2022 for execution of the contract for the Supply Installation hydrogen, carbon and nitrogen analyzers NR/UDS/WACWISAGD/002/2022), in the amount of One Million, Four Hundred and Ninety Five Thousand, Nine Hundred and Thirty Nine Ghana Cedis, Ninety Five Pesewas (GHs 1,495,939.95) as corrected in accordance with the Instructions to Tenderers for delivery within Twelve (12) weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of One Hundred and Forty Nine Thousand, Five Hundred and Ninety Four Ghana Cedis (GHs149,594.00) and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.....

Name and Title of Signatory: Prof. Seidu Al-hassan (Vice-Chancellor)

Name of Agency: University for Development Studies Address for Correspondence: Post Office Box 1350

Tamale, N/R

Tel: 071-22078/26633/4

The Pro Vice Chancellor, UDS

The Registrar, UDS

The Director, WPD, UDS

The Director of Finance, UDS

The Secretary, Tender Committee, UDS

The Ag. Director of Internal Audit, UDS

The Director of Procurement, UDS

The Director, WACWISA UDS

The Head of Stores, UDS

224390,99



University For Development Studies (UDS) P.O. Box TL 1350 Tamale Wagtech Ghana Ltd.
Plot 8, Justice. A. Brobbey
Ave. 2nd Street, New
Achimota Mile7GW1109 0745 Accra.
P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 951

(0) 307-090 326 (0) 20-222 2079 Tel/Fax: 0302 412 406 info@wagtech.com.gh georgek@wagtech.com.gh

Date: 7th September, 2022

IFT NO.: NR/UDS/WACWISA/GD/002/22

LETTER OF BID

Gentlemen and/ or Ladies:

Having examined the Tender documents including Addenda Nos. [0] the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver HYDROGEN, CARBON AND NITROGEN ANALYSERS GH¢ 1,495,939.95 (In words: One Million, Four Hundred and Ninety-Five Thousand, Nine Hundred and Thirty-Nine Ghana Cedis Ninety-Five Pesewas.) or in conformity with the said Tender documents or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

We undertake, if our Tender is accepted, to deliver the goods and services in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Tender is accepted, we will obtain the Bank Guarantee acceptable to the Purchaser in a sum equivalent to 10% (Ten Percent) of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Tender for the period of **90** days from the date fixed for Deadline for Tender submission, and it shall remain binding upon us and may be accepted any time before the expiration of the period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Tender, and to contract execution if we are awarded the contract, are listed below:

NONE NONE NONE

WAGTECH GHANA LIMITED
F. O BOX AT 211
ACHIMOTA
ACCRA - GHANA
TEL: 0802412406/0307090326
Email: Info@wagtech.com.gh

Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITT Clause 2 of the Tender documents.

Dated this 7th day of September, 2022

S175

Emmanuel Amankwah-Minkah Commercial Director WAGTECH GHANA LIMITED
P. O BOX AT 211
ACHIMOTA
ACCRA - GHANA
TEL: 0302412406/0307090326
Tmail: info@wagtech.com.gh

Duly authorized to sign Tender for and on behalf of WAGTECH (GH) LTD.

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND NITROGEN ANALYSERS. PRICE SCHEDULE

Remarks IFT No.: NR/UDS/WACWISA/GD/002/22 Total Tender Price 10=(8+9) (GH¢) (Installation) Services & Incidental others **** 6 **Total Price of Total CIP Site Inland Delivery (GH¢) 8=(6+7) to Final Destination (GH¢) * Total Price * (GH¢) EXW 6=(4x5) U/Price (GH¢) EXW 2 Off 4 Country of Origin က NAME OF TENDERER: WAGTECH GHANA LIMITED Description 2 si o

TYD	HYDROGEN, CARBON AND NITROGEN ANALYSER									
	F30800100									
Н	"Elemental Analyzer CHNS-O, model EMA 502	E		1 112 444 13	112 444 13 1 112 444 12					
	 Precise, versatile, cloud-enabled micro 			CT:LL/777/7	1,112,444.13		1,112,444.13	,	1,112,444.13	
	elemental analyzer for Carbon, Hydrogen,									
	Nitrogen, Sulfur and Oxygen determination with									
	Helium and Argon as carrier gas									
	- SAMPLE WEIGHT: Up to 100mg (depending on	210								
	C content)									
	- DETECTOR: TCD (Thermal Conductivity									
	Detector)									
	- AUTOSAMPLER CAPACITY: up to 4 discs, 30									
	positions each (up to 117 samples)	23								
	- CARRIER GAS: Helium or Arnon (Arnon for									
	CHN determination)									
	- CONNECTIVITY: USB: RS232"					Tell=				
	A00000433									
1.1	"Kit approx. 1000 analysis for Oxygen	П	,	20 000 03	200000					
	- A pre-packaged solution that allows you to)	4	06.006,00	05,996,50		63,998.96		63,998.96	
	save time in choosing all the consumables									
	needed touse your analyzer!"									
	A00000437									
1.2	GC column for oxygen SS 1m		-	10 473 01	10 472 01					
	A00000432			10:011:01	16.674,61		19,4/3.91		19,473.91	
1.3	Kit approx. 1000 analysis for CHNS	ū		18 0E0 EC	70 000 07					
	40003081	2	1	טניטניטר	40,930.30		48,950.56	1	48,950.56	
1.4	_	EU		0 589 42	0 500 43		0			
		2	-	24.606/6	24.600,4	-	9,589.42	1	9,589.42	

ACCRA - GHANA TEL: 0302412406/0307090326 Emall: info@waatech.com.ah WAGTECH GHANA LIMITED
P. O. BOX 97 211
ACHIMOTA

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited

Date: 7th September, 2022

PRICE SCHEDULE

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND **NITROGEN ANALYSERS.**

Description	Country Qty of Origin	U/Price (GH¢) EXW	rice (GH¢) *Total Price of Total CIP Site Incidental EXW (GH¢) EXW Inland Delivery to Final Destination (GH¢) (GH¢)	Total Price of land Delivery to Final Destination (GH¢)	Total CIP Site (GH¢)	The second secon	Total Tender Price (GH¢)	Remarks
2	3 4	5	6=(4x5)	7	8=(6+7)	**** 6	10=(8+9)	1

3	1,254,456.98	12,544.57	31,361.42	31,361.42	1,329,724.40	166,215.55	1,495,939.95
84,872.13							
84,872.13					D 2.5%		
		CRL)			+GETFUN		•VAT
84,872.13 84,872.13	(A)	overy Levy (%5	+NHIL 2.5%		SUB-TOTAL B + 12.5%VAT
84,872.13	SUB-TOTAL (A)	1% COVID-19 Health Recovery Levy (CRL)	NHIL 2.5%	GETFUND 2.5%	SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%	12.5%VAT	= SUB-TOT
1		COVID-19			3-TOTAL		GRAND TOTAL =
EU		1%(B (SUE		GRAN
Installation, Commissioning and Training (ICT) 2 charges					SUB TOTAL		

1% COVID-19 Health Recovery Levy (CRL): (GH¢ 12,544.57) In words: Twelve Thousand, Five Hundred and Forty-Four Ghana Cedis Fifty-Seven Pesewas. SUB-TOTAL (A): (GH¢ 1,254,456.98) In words: One Million, Two Hundred and Fifty-Four Thousand, Four Hundred and Fifty-Six Ghana Cedis Ninety-Eight Pesewas. NHIL 2.5%: (GH¢ 31,361.42) In words: Thirty-One Thousand, Three Hundred and Sixty-One Ghana Cedis Forty-Two Pesewas. GETFUND 2.5%: (GH¢ 31,361.42) In words: Thirty-One Thousand, Three Hundred and Sixty-One Ghana Cedis Forty-Two Pesewas.

SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%: (GH¢ 1,329,724.40) In words: One Million, Three Hundred and Twenty-Nine Thousand, GRAND TOTAL = SUB-TOTAL B + 12.5%VAT: (GH¢ 1,495,939.95) In words: One Million, Four Hundred and Ninety-Five Thousand, Nine Hundred and Thirty-Nine 12.5%VAT: (GH¢ 166,215.55) In words: One Hundred and Sixty-Six Thousand, Two Hundred and Fifteen Ghana Cedis Fifty-Five Pesewas. Seven Hundred and Twenty-Four Ghana Cedis Forty Pesewas.

TEL: 0302412406/0307090324 Tarait info@waatech.com.ah WAGTECH GHANA LIMITED P. O BOX AT 211 ACCRA - GHANA ACHIMOZAES

Signed:

Ghana Cedis Ninety-Five Pesewas.

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited

Date: 7th September, 2022

Contract Form

THIS AGREEMENT made the 37.4. day of Movember, 2022, between University for Development Studies (UDS) – Tamale of Ghana (hereinafter called "the Purchaser") of the one part and Wagtech Ghana Limited, P. O. Box AT 211, Accra of Ghana (hereinafter called "the Supplier") of the other part:

WHEREAS the Purchaser invited Tenders for certain goods and ancillary services, viz. Supply and Installation of Hydrogen, Carbon and Nitrogen Analysers and has accepted a Tender by the Supplier for the supply of those goods and services in the sum of One Million, Four Hundred and Ninety Five Thousand, Nine Hundred and Thirty Nine Ghana Cedis, Ninety Five Pesewas (GHs 1,495,939.95) (hereafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract;
 - (f) the Purchaser's Notification of Award; and
 - (g) Contract Data Sheet
- 3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

On behalf of the Purchaser

Name:

Prof. Seidu Al-hassan

Signature:

Designation: Vice-Chancellor

THE VICE CHANCELLOR
University for Dev. Studies
P.O. BOX TL 1350

Date: 03/11/2022 TAMALE

Witnessed By:

Name:

Ing. Samuel B. Abiko

Signature:

Designation: Director, WPD

Date: 03/11

WORK & PHYSICAL DEV T UNIVERSITY FOR DEV. STUDIE

1350 TAMALE P .

On behalf of the Supplier

Name: GEORGE KORAMICYE

Signature: (1)

Designation: MAHAGING DIRECTOR

Seal:

Wagtech Ghana Limited

Date: 03/11/2012 ACHIMULA ACCRA - GHANA

TEL: 0302412406/0307090326 Email: info@wagtech.com.gh

Witnessed by:

Name: Emmanuel Amankwal-Mnka

Signature:

Designation: Commercial Director

Date: 03/11/2022

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)



INTERNAL MEMORANDUM

FROM:

Administrative Coordinator

TO

Director

DATE:

14th February 2022

SUBJECT:

REQUEST FOR THE PROCUREMENT OF LABORATORY EQUIPMENT FOR

THE NEW WACWISA OFFICE COMPLEX BUILDING

I write to request your approval for the procurement of the attached list of laboratory equipment for the new WACWISA office complex building located at the Nyankpala Campus of the UDS.

Sir, it will be very much appreciated if approval is given for the procurement these items.

Submitted for your kind approval, Sir.

Bernard Alando ChPA, CMC

Administrative Coordinator, WACWISA

LIST OF LABORATORY EQUIPMENT FOR THE NEW WACWISA OFFICE COMPLEX BUILDING

S/No	- Torreste	Analysis	Specification	Quantity
	Environmental		Technical Specification	Quantity
	chamber		- 23 output channels for	
			the control of lighting,	
			logic events, convenience	
			outlets, etc.	
			- Onboard diagnostics,	
			ambient temperature	
			monitoring and power	
			failure event logging for	
			improved troubleshooting	
			- The added security of an	2
			independent temperature	
			alarm	
			- Dual experiment	
_			protection with primary	
			limit and independent	
			secondary limit	
			- Backwards compatible	
			with all existing systems	
			- Trinocular or binocular	
			dissecting microscopes	
			with a zooming range of	
			6.7x-45x.	
			- Can be attached to the	
			digital camera which takes	
	Microscope (dissecting		photos of the viewing	
	scope with camera)		images.	
	beope with camera)		- Have a dual-LED	3
			illuminator and they can	
			rotate at 360°.	
			- Magnification can be	
			changed by adding	
			auxiliary objectives or	
			different eyepieces.	
			Erlenmeyer Flasks-set of	
			12 (1L)	
I	Erlenmeyer Flasks-set			
			Corning Pyrex #4980-1L,	5
			1000ml Narrow Mouth	

. 1	•			
\$.			Erlenmeyer Flask with Rubber Stopper (Single)?	
4.	Scale 0.01 g		Scale 0.01 g	5
5.	Open Channel Velocity Water Current Meter	MGG/KL-DCB series of electromagnetic velocity meters is the portable measuring instrument of velocity and flow, which is professionally designed for agricultural irrigation, hydrologic monitoring, river flow monitoring, municipal water, industrial sewage and etc.	Variable Area Water Flowmeters Canal deep:<=20m Canal bottom width:<=20m Accuracy: ±1.0% Flow velocity: 0.01m/s- 10m/s Power supply: 1.5V*5 removable alkaline batter Measure: velocity + flow + level Communication interface: RS485 Water level indication: water level is 5-digits, the flow velocity is 5- digits	10
6.	Submersible Analog Water Level Sensor	Measuring depth in dams, rivers, lakes, sea, well	Accuracy :≤ ±0.5%F.S; ≤ ±0.25%F.S; ≤ ±0.1%F.S Level range: 0.5m to 500m optional	10
7.	Potalab+ PTW10010	Provides portable analysis of a wide and comprehensive range of key drinking water quality parameters	Contains: Photometer 7500 and light cap, 6 photometer cuvettes, photometer reagents for 200 tests for Free and Total Chlorine, Ammonia, Fluoride, Nitrite and Nitrate Turbimeter Plus, SDVB calibration standards, 4 sample cuvettes, silicone oil, cleaning/oiling cloth PalintestArsenator Digital Arsenic Test System, unique three-stage filter	2

3	*			
			assembly, conical flask, consumables for 200 Arsenic tests	
			Micro 800 pH/Temperature Meter	
	*		with pH calibration buffers	
			Micro 800	
			Conductivity/TDS Meter	
			with conductivity calibration standard	
			Cuvette brush, Dilution	
			tubes, crush/stir rods, Deion pack, instructions	
8.	Spectrophotometer	Laboratory Spectrophotometer for water analysis	DR6000 Bornel	1
9.	Digital Flame Photometer	Determination of Na, K, Ca, Ba & Li	FP910-5 (for the analysis of five elements – Sodium, Potassium, Calcium,	1
_			Lithium and Barium)	
10	Hydrogen, carbon, and	For analysis of	ORGANIC ELEMENTAL ANALYZER with O, Cl, TIC and TOC option + 120	
10.	nitrogen analyzer	carbon, nitrogen, hydrogen, sulfur	Positions Autosampler + 21 CFR Part 11 functionality	1
			PC-controlled model +	
11.	TOC Analyzer	Analysis of total	Autosampler ASI-L (with 9 mL, 24 mL, and 40 mL Vial Types) + TN (Total	
			Nitrogen) Unit TNM-L+ Solid Sample Combustion	1
2.	Metalyser Field Pro	Measure up to 16 parameters in	Unit SSM-5000A Field Pro HM3000 + Model Field Pro HM4000 for Soils	1
3.	Multi parameter probe	Multiparameter	HI-9829 [HI9829-13202] Multiparameter PH / ISE / EC / DO / Turbidity w/	
		with optional GPS	GPS, Datalogging & 20m Cable	1

70 A	i.			
14.	Tilting Flume	A tilting flume with transparent side walls which give a complete view of the flow along the entire length of a 6 m test section. The dimensions and design of the channel are in conformity with Chézy's four conditions for steady uniform flow. Water flows in a closed circuit.	EH1000- Hydraulic Channel with Variable Slope	1
15.	Flow Visualisation Flume for Sediment Transport Studies	A pilot sediment transport flume like most rivers and canals to give for an engineer engaged on studies in such fields as geology, hydrology, irrigation, etc.	Technical specifications: 1 kW stainless steel centrifugal pump Water tank Magnetic float needle type flow meter. 2 vernier gauges. 1 pitot tube 1 thin-walled weir with ventilated ply, 2 thick weirs, 1 venturi, 1 vertical guillotine valve 2 bridge piers, 1 triangular weir and 1 rough bed	1
16.	Aerobic Sludge Sewage Treatment with Anoxia Nitrification- Denitrification with Data Acquisition System + accessories	nitrogenous and phosphorous pollution, by microbiologic way.	Technical Specification - A 300 litres feeding tank in PE with cover (4 to 5 days autonomy) - Stainless stell circulator to maintain the substrate in agitation - An anoxia tank, toalvolum of 15 litres in Altuglass	1

			- An aeration tank of 40 litres in Altuglass - A clarification tank in - Altuglass of 30 litres - A decantation tank of 12 litres - A substrate peristaltic feeding pump with timer - A sludge peristaltic recycling pump with timer - A mixed liquor peristaltic recycling pump with timer - Peristalitic pump with fix speed fo the doing of acid/base - Probes for 02 rate, Ph and temperature - A compressor (1.2 m3/h at 2 bars) with a needle valve and a manometer - A pH measurement devise with a 4 litres tank and a fix flow pump - Two stirrers with speed control (anoxia and aeration tanks) - A gas rotameter - A rotameter for the substrate - The pilot is made of PVC and Plexiglass on a stainless steel frame with	
0		This test bench	aluminium nuts Technical	
17.	Flow Measurement in Open Channel	makes it possible to study the various methods of measurement of flows in open pipelines: by triangular, rectangular, venturi and	specifications: One channel: useful dimensions: L x W x D: 2400 x 100 x 180 mm in Altuglass. A stabilizing basin upstream of the circuit with a safety device and safety weir,	1

		limnimetric outfall	A graduated drain pan for	
		measurements or	flow measurement at low	
		ultrasound sensor	flows.	
		+ accessories.		
			This tank is followed by	
-			another tank allowing the	
			return of the flow to the	
			pump, either by two	
			drowned pipes, or by two	
			partially denuded pipes,	
			- A feed tray	
			- A float flowmeter	
			- A stainless steel	
			centrifugal pump whose	
			flow rate can be adjusted	
			either by a diaphragm	
			valve or by a variable	
			speed drive. This flow can	
_			be checked using the float	
			flowmeter.	
			Two gauges allowing	
			the survey of the water	
			line in the canal. They will	
			be moved along the canal	
			depending on the weirs,	
			The measuring bench is	
			mounted on a stainless-	
			steel frame.	
			The IP55 control cabinet	
			includes the pump control,	
			its dimmer, the sensor	
			display, circuit breakers,	
			fuses, on / off, emergency	
			stop.	
		Used to find out		
		what elements are	ICP-OES: Inductively	
18.	ICD OFC	present in a	Coupled Plasma –	
10.	ICP-OES	certain material	Optical Emission	1
		and quantify them.	Spectroscopy	
		This is done by		
		dissolving the		

69-3		
	material in acid	
	and diluting with	
5	water. Nitric acid	
	is the most	
-	common acid used	
	as most elements	
	form water soluble	
	nitrates. The water	
	solution can then	
	be pumped into	
	the instrument	
	nebulizer, which	
	turns the sample	
	into a spray that is	
	later fed into the	
	plasma.	

fel:0372093659/0372022078:0372026634 Fax: 03720-22080 Website www.uds.edu.gh Email: vow.ads.edu.gh

P. O. Box 1350 famale, Chana

Our Ren NR/UDS/WACWISA/GD/007/202

Your Ref.....

OFFICE OF THE VICE-CHANCELLOR

November 23, 2022

The Managing Director Wagtech Ghana Limited P.O. Box AT 211 Accra

Dear Sir,

NOTIFICATION OF AWARD

This is to notify you that your Tender dated September 7, 2022 for execution of the contract for the Supply and Installation of Laboratory Equipment –Lot 1 (Contract No: NR/UDS/WACWISAGD/007/2022), in the amount of Two Million, Seven Hundred and Sixty Four Thousand, Six Hundred and Seventy Three Ghana Cedis, Sixty One Pesewas (GHs 2,764,673.61) as corrected in accordance with the Instructions to Tenderers for delivery within Twelve (12) weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of Two Hundred and Seventy Six Thousand, Four Hundred and Sixty Seven Ghana Cedis, Thirty Six Pesewas (GHs276,467.36) and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.....

Name and Title of Signatory: Prof. Seidy Al-hassan (Vice-Chancellor)

Name of Agency: University for Development Studies Address for Correspondence: Post Office Box 1350 Tamale, N/R

Tel: 071-22078/26633/4

cc: The Pro Vice Chancellor, UDS

The Registrar, UDS

The Director, WPD, UDS

The Director of Finance, UDS

The Secretary, Tender Committee, UDS

The Ag. Director of Internal Audit, UDS

The Director of Procurement, UDS

The Director, WACWISA UDS

The Head of Stores, UDS





PROJECTS

1	PAYM	ENT V	OUCHER PV N	D. PV226068	
ALLOCATION:				0.	AMOUNT
AY: VAGTECH GHANA LIMITED	PAYMENT FOR SUPPLY&INSTALLATION OF LABORATORY EQUIPMENTLOT		ABORATORY	GHS	
6/27/2023 PREPARED BY					2,852,239.05
NAJMU	AMT IN	TWO MILLIC	ON EIGHT HUNDRED F	FTY-TWO THOUS	AND TWO HUNDRED
	WORDS	THIRTY-NIN	N EIGHT HUNDRED FI IE GHANA CEDIS, FIVE	GHANA PESEWA.	1 A
DATE: 6/27/2023	ount is correct			AN.	schedule Officer
Invoice num: LAB EQL	JP/WACWISA		DEBIT ACCOUNT 2999002-CA-PRJ	CODE	3,250,027.48
WITH	VAT 5 FLAT THOLDCEN -	566,142.31 583,885.17 0.00 199,960.67 197,827.76 852,239.05	System Batch Deta		54.00 Entry: 2.0
Net Amo	unt Payable 2.	1	Cheque Number:	00040	76
PROJECT ACCOUNTAN	IT:	,)	. Bank:	ECOBANKWA	CWISA ACCOUNT
Date:	, 271	6123	Date:	2	0 2075
Approved By	/		Verified by	Internal Audit	
Approved By			INTERNAL CHECKED BY APPROVED B	A	27/06/2002
Receive this	day of	20		Call	
The Sum of					
	Ghana C	edis		Pesewas	

PV226068

UNIVERSITY FOR DEVELOPMENT STUDIES

(Procurement Directorate)

Memorandum



To

Director, WACWISA

From

Director of Procurement

Date

June 26, 2023

Subject:

PAYMENT FOR THE SUPPLY AND INSTALLATION OF

LABORATORY EQUIPMENT WACWISA - LOT 1

I write for approval for the payment of an amount of Three Million, Two Hundred and Fifty Thousand and Twenty Seven Ghana Cedis, Forty Eight Pesewas (Gh¢ 3,250,027.48) to Wagtech Ghana Limited, Accra for the above as per the VAT invoices Numbered (22/0504454) and confirmation of work done memo attached

Duke A. Fredua

Director of Procurement

cc:

Director of Finance Director of Internal Audit

File

Salcia Multy 23

26/6/23

Mostral Morest Mayne and

Pla Mostral Morest Morest Mayne and

Pla Mostral Morest Morest Mayne and

Pla Mostral Morest Morest Mayne and Mayne and Mayne and Morest Morest

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)



INTERNAL MEMORANDUM

FROM: Lecturer/Head of Laboratory

TO: Director, WACWISA

DATE : 26th June, 2023

SUBJECT: REPORT ON THE SUPPLY AND INSTALLATION OF LABORATORY

EQUIPMENT FOR CONTRACT LOT 1

Please, I write to report that the supply and installation of Laboratory Equipment for **Contract Lot 1** is completed successfully.

The equipment were tested with installation team and the WACWISA laboratory team and I write to indicate that they are working as required.

W recessor

Thank you.

Dr. Richard Osei Agyemang

(Head of Laboratories)

"Building Capacities for Sustainable Solutions"

GHANA REVENUE AUTHORITY

ORIGINAL (CUSTOMER)

22/ 0504454







REPUBLIC OF GHANA

TAX INVOICE

HOTE SERVICE SERVICES HE CHARLES A SERVICES	ANY THE PROPERTY OF THE PARTY O	pplier's TIN.CON stomer's TIN te of Invoice20	THE PARTY OF A PROPERTY CHANGE RESIDENCE AND THE PERTY OF A
Siut Date of S	upply DS/05/2023	UNIT PRICE	THE REPORT OF THE WAR ARE THE THE THE THE THE THE THE THE THE TH
QTY	DESCRIPTION	(excluding VAT & COVID-19 LEVY)	AMOUNT
TO CHARLES AND THE SECOND STATES AND THE SEC	CONTRACT FOR THE SUPPLY AND MISTAUMIN OF LABORATORY EQUIPMENT CONTRACT NO. HRIVES WASHINGTON TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE TO THE THE TO SHARE TO THE TO THE TO THE TO THE TO THE THE TO SHARE TO THE THE TO SHAPE TO THE TO THE TO THE TO THE TO THE TO THE THE TO THE THE TO THE THE TO	2,666,142-31.	AN ARTHUR STATE OF THE STATE OF
	ax Exclusive Value		2,666,142.31
[/ii) N	IHIL (2.5%)	66, 683-8	
(iii) G	GETFund Levy (2.5%)	66,653-56	
(iv) C	COVID-19 Levy (1%)	26,661.43	the second secon
(v) T	otal Levy Inclusive Value (i+ii+iii+iv)		2,826,110.55
(vi) \	/AT (12.5%) (v)		423,916 • 63
(vii) 1	Total Tax Inclusive Value (v+vi)		3,250,027-48
Terms of	Payment. CHE TWE	THE STATE OF THE S	GANA SEVENIE OTRO CALLES AND MERCEN SE MANAGE ENGLISHED CONTROLL CALLES AND A TREAT OF A CONTROLL CALLES AND A CONTROLL CALLES AND A CONTROLL CALLES SEVENIE AND A CONTROLL CALLES AND A CONTROLL CALLES AND A CONTROLL CALLES
GRA F	ORM C (VAT REGULATION 21(1)(2))	E ANTHORNY GRANT REVENUE ANTHORNY (Supplier's \$ignature



Procurement Department
University for Development Studies,
UDS,Central Administration (Off
Kumasi Road),Room 104, Tamale
Northern Region

Wagtech Ghana Ltd.
Plot 8, Justice. A. Brobbey
Ave. 2nd Street, New
Achimota Mile7 GW1109Accra.
P. O. Box AT 211
Achimota Market Mall
Accra – Ghana
Tel: +233 (0) 302-910 951
(0) 30-709 0326
Tel/Fax: 0302 412 406
info@wagtechgh.com
info@wagtech.com.gh

INVOICE NO. WG/2023-20-06-010rev/GAA-ka CONTRACT FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 PACKAGE NO.NR/UDS/WACWISA/GD/001/22

Item	Description	Unit	Qty	Unit Price (GH¢)	Total Price (GH¢)
LABO	RATORY EQUIPMENT (LOT 1)			(0114)	(GHC)
	WSL50-PRO				
2	STANDARDS KIT- CHN/S(0) Kit 1 2,508.04 2,508.04 - includes benzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and sulfamic acid (N2410501).	Each	10	117,974.11	1,179,741.0
3	LPV441.99. 00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date	Each	2	412,362.15	824,724.2
	10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal-Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB-interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,E1x Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual				
	Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc, Automatic calculation of curve coefficients. Language Selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with PC for Data Collection Software. Automatic selection of filters. Up to 12 point calibration capability. Water Trap and Air Pressure adjustment on main unit. Oil Free Air compressor with buffer tank	Each	1	85,375.75	85,375.75
4.1	910-006 FP910 Touch Station-Pro data collection software Allows for data and calibration factors and data to be stored on to a Windows Based PC. Full control of the basic collection of data from the Flame Photometer for models Fp910-4 and FP901-5	Each	1	12,100.89	12,100.89

mount	in Words: Three Million, Two Hundred and Fifty The	% VAT	mal Tree		2 250 027 40
	15% VAT				423,916.63
St	JB TOTAL B (SUB TOTAL-A + COVID-19 HRL-1%/ NHIL	-2.5%/GE	TFUND	-2.5%)	2,826,110.85
CI	GETFUND-2.5%				66,653.56
	NHIL-2.5%				66,653.56
	1% COVID-19 Health Recovery Levy	(CRL)			26,661.42
	SUB-TOTAL A				2,666,142.31
5.1	Digital Hydraulics Bench with Flow Meter	Each	1	102,092.33	102,092.33
200002	F1-10-2-A				
5	Multi-purpose Flume - 2.5m with Basic Accessories & Flowmeter (Incorporates Basic Hydraulics Bench F1-10-A)	Each	1	433,411.59	433,411.59
4.7	Complete Nebuliser including burner and atomiser C4-MKII-2. 5M-11-A	Each	1	7,952.01	7,952.01
4.6	500ml of 1mg/ml standard solution of Barium 910-002	Each	1	4,148.88	4,148.88
7.5	500ml of 1mg/ml standard solution of Calcium STD-BA	Each	1	4,148.88	4,148.88
4.5	STD-CA			7,140.00	4,148.88
4.4	STD-LI 500ml of 1mg/ml standard solution of Lithium	Each	1	4,148.88	
4:3	STD-K 500ml of 1mg/ml standard solution of Potassium	Each	1	4,148.88	4,148.88
4.2	STD-NA 500ml of 1mg/ml standard solution of Sodium	Each	1	4,148.88	4,148.88
2 2	screen. FP910 Touch Station Pro will allow the exporting of data in Excel Format, MS Word and PDF. USB Interface and Tablet Stand are included.				
The C	is available. The software is pre loaded on to a 10 inch Windows Tablet operating in Windows 10 with a touch				

PAYMENT MODE

PAYMENT BY	CHEQUE ISSUED IN OUR FAVOUR OR BY BANK TRANSFER
BANK NAME	NATIONAL INVESTMENT BANK
ACCOUNT NAME	WAGTECH GHANA LIMITED
ACCOUNT NUMBER	1112002609101
BRANCH NAME	osu
BRANCH NUMBER	12
SORT CODE	050111
SWIFT CODE	NIBGGHAC

Yours faithfully WAGTECH GHANA LIMITED

Irene Ohene Akoto

Office Manage

WAGTECH GHANA LIMITED
P. O. BOX AT 211, ACHIMOTA
ACGRA - GHANA
TEL: 0302412406/0307090326
Email: info@wagtech.com.gh

UNIVERSITY FOR DEVELOPMENT STUDIES



PAYMENT VOUCHER

	PV NO: PV226181	
ALLOCATION:	DESCRIPTION	AMOUN
WAGTECH GHANA LIMITED	FINAL PAYMENT IFO WAGTECH GH. LTD PER PV(226068)	0110
7/4/2023	Correction on PV 226068.	GHS
	Collec	

NAJMU

AMT IN ONE HUNDRED NINETEEN THOUSAND NINE HUNDRED SEVENTY-SIX GHANA CEDIS, FORTY GHANA PESEWAS ONLY

I CERTIFY that the above amount is correct DATE: 7/4/2023

Schedule Officer

Invoice num:	WAGTECH/PV226068		2999002-CA-PRJ	<u>DE</u>	119,	976.40
Authorised and	d passed for Payment:	119,976.40	System Batch Details	Batch:	14,309.00 Entry:	3.00
PROJECT AC	VAT FLAT WITHOLDCEN WITHVATCEN Net Amount Payable	0.00 0.00 0.00 0.00 119,976,40	Cheque Number: Bank: E Date:	COBAN to k	IK WACWISA ACC	
	1 000	V	Verified by Inte	rnal Au	dit	

Approved By

Verified by International Control of the Control of t

Signature of Receiver

Name & Telephone of Receiver

Pard into MB 754 Word 9/2 11/2002609/0

UNIVERSITY FOR DEVELOPMENT STUDIES



PROJECTS

PAYMENT VOUCHER

DESCRIPTION

PV226068

AMOUNT

PV NO:

WAGTECH GHANA LIMITED	PAYMENT FO	OR SUPPLY8 LOT	INSTALLATION OF LABORATOR	GHS
6/27/2023				
PREPARED BY				2,852,239.05
	AMT IN WORDS	TWO MILLIO	ON EIGHT HUNDRED FIFTY-TWO THO NE GHANA CEDIS, FIVE GHANA PESE	OUSAND TWO HUNDRED WAS ONLY
I CERTIFY that the above amo DATE: 6/27/2023	unt is correct		Å	Schedule Officer
Invoice num: LAB EQUI	P/WACWISA		DEBIT ACCOUNT CODE 2999002-CA-PRJ	3,250,027.48
WITH	VAT FLAT HOLDCEN VATCEN ont Payable 2	666,142.31 583,885.17 0.00 -199,960.67 -197,827.76 .852,239.05	Cheque Number: Bank: ECOBANK Date:	+98 wacwisa accoun 56 233
Approved By			Verified by Internal Audit	
			Company of Resument	27/06/2023
Receive this	day of	20	In respect of Payment	
The Sum of	Ghana C	cedis	Pesewas	3

ALLOCATION:

PV226068

UNIVERSITY FOR DEVELOPMENT STUDIES

(Procurement Directorate)

Memorandum



To

.

Director, WACWISA

From

Director of Procurement

Date :

June 26, 2023

Subject:

PAYMENT FOR THE SUPPLY AND INSTALLATION OF

LABORATORY EQUIPMENT WACWISA - LOT 1

I write for approval for the payment of an amount of Three Million, Two Hundred and Fifty Thousand and Twenty Seven Ghana Cedis, Forty Eight Pesewas (Gh¢ 3,250,027.48) to Wagtech Ghana Limited, Accra for the above as per the VAT invoices Numbered (22/0504454) and confirmation of work done memo attached

Duke A. Fredua
Director of Procurement

...

Director of Finance Director of Internal Audit

My process from alc. WHENSER adi Multy

26/6/23

Myseld Acct payment

By photocol Morely payment

Jul 23

ANA REVENUE AUTHORITY

AL (CUSTOMER)



22/ 0504454





REPUBLIC OF GHANA

TAX INVOICE

From WARTECH CHANNA LID	Supplier's TIN.CODD235/577
	Customer's TIN
TO UNIVERSITY TOR DEVELOPME	Date of Invoice 20 / ୭୯ / ୬୦୬૩ ରୀ
DIADICZ CIDZ	Version and a service of the service
ate of Supply. DS les las23	District of the second

Q	TY DESCRIPTION	UNIT PRICE (excluding VAT & COVID-19 LEV	AMOUNT
	CODTRACT FOR THE SUPPLY AND INSTALLATION OF LABORATION ! EQUIPMENT - LOT I CONTRACT NO: MRI ULS! WASHISA! GD/COILDO	2,666,142-31	2,666,142-3,
0)	Tax Exclusive Value		2,666,142:31
(ii)	NHIL (2.5%)	66,653-50	CONTROL CONTROL AND HEAD OF CHICAGO CONTROL CO
(iii)	GETFund Levy (2.5%)	66,653-56	
(iv)	COVID-19 Levy (1%)	26,661.42	
(vi)	Total Levy Inclusive Value (i+ii+iii+iiv* VAT (12.5%) (v) Total Tax Inclusive Value (*****)		2,826,110.85 423,916.63
(v) (vi) (vii)	Total Levy Inclusive Value (i+ii+iii+ii)		F F NO. (42/4005)

GRA FORM C (VAT REGULATION 21(1)(2))

Supplier's \$ignature

vagtech

Vagtech Ghana Ltd. Plot 8, Justice. A. Brobbey Ave.2nd Street, New Achimota Mile7GW1109 Accra. P. O. Box AT 211

Achimota Market Mall Accra - Ghana Tel: +233 (0) 302-910 951

(0) 307-090 326 (0) 20-222 2079

Tel/Fax: 0302 412 406 georgek@wagtech.com.gh

01/GK-ka

ORY /2022).

act. We write

h June, 2023

Wagter

the Vice-Chancellor, alty for Development Studies, UDS, /nl Administration (off Kumasi Road), m 104, Tamale rthern Region



Wagtech Ghana Ltd. Plot 8, Justice. A. Brobbey Ave.2nd Street, New Achimota Mile7GW1109 -Accra. P. O. Box AT 211 Achimota Market Mall Accra - Ghana Tel: +233 (0) 302-910 951 (0) 307-090 326 (0) 20-222 2079 Tel/Fax: 0302 412 406 georgek@wagtech.com.gh

Our Ref.: WG/2306-0101/GK-ka

Dear Sir,

CONTRACTS FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 (CONTRACT.NO.: NR/UDS/WACWISA /GD/007/2022).

REQUEST FOR CONTRACTS PRICE VARIATION.

With reference to your letter dated 19th June, 2023 in respect of the above-mentioned Contract. We write to accept the price increment of the original Contract Price.

Enclosed in this letter is our Invoices covering the goods which was supplied under this contract for settlement. Pls, Fyi xng

We thank you for this award.

Yours faithfully WAGTECH GHANA LIMITED

George Korankye **Managing Director**

CC: The Pro Vice-Chancellor, UDS

The Registrar, UDS

The Director-WPD, UDS

The Director of Finance, UDS

The Director, WACWISA, UDS





ment Department alty for Development Studies, entral Administration (Off asi Road),Room 104, Tamale thern Region Wagtech Ghana Ltd.
Plot 8, Justice. A. Brobbey
Ave. 2nd Street, New
Achimota Mile7 GW1109Accra.
P. O. Box AT 211
Achimota Market Mall
Accra – Ghana
Tel: +233 (0) 302-910 951
(0) 30-709 0326
Tel/Fax: 0302 412 406
info@wagtechgh.com

info@wagtech.com.gh

INVOICE NO. WG/2023-20-06-010rev/GAA-ka CONTRACT FOR THE SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 PACKAGE NO.NR/UDS/WACWISA/GD/001/22

Item	Description	Unit	Qty	Unit Price (GH¢)	Total Price (GH¢)
LABO	RATORY EQUIPMENT (LOT 1)				
2	WSL50-PRO STANDARDS KIT- CHN/S(0) Kit 1 2,508.04 2,508.04 - includes benzoic acid (02401120), acetanilide (02401121), cyclohexanone (02401347), cystine (N2410324) and sulfamic acid (N2410501).	Each	10	117,974.11	1,179,741.07
3	LPV441.99. 00002 UV VIS Spectrophotometer DR6000 without RFID, 16mm Reference beam technology for compensation of reference signal IBR+ Barcode Reading System for automatic test recognition of 2D Barcode-cuvette-tests and expiry date 10 fold measurement for outlier Elimination Wavelength Range 190-1100 nm Spectral Band with 2 nm Wavelength scan with 0,1 nm resolution More than 240 stored programs Program memory for 200 user specific methods Universal- Adapter for rectangular cells (10, 20, 50 mm, 1 inch), round cells 1 Inch Time-Scan with individual Programming 3 USB- interfaces for data storage devices, keyboard, printer, barcode Scanner Ethernet (RJ 45) interface for direct integration into local area networks (LAN) High resolution TFT-7" WVGA colour touch displayLINK2SC for bidirectional data exchange with process sensors for matrix corrections Optional carousel changer to conduct miniseries or cumulating measurements, e. g. enzymatic Energy saving sleep mode function Scope of supply: 2 x Power Cord (country specific: US,E1x Universal-Adapter 1x I Inch cell, matched pair 1x Dust CoverU) CD ROM with comprehensive user manual, working procedures, refreence guides for accessories Printed multilingual basic user manual	Each	2	412,362.15	824,724.29
4	PP910-5 Digital Flame Photometer Microprocessor Controlled for the quick and simple determination of Sodium, Potassium, Calcium, Barium and Lithium in one single aspiration. System has a 7-inch Embedded Colour Touch Screen offering colour graphics such as calibration graph and data, simultaneous analytical results, selection of elements, concentration unit selection etc, Automatic calculation of curve coefficients. Language Selection (currently English, Turkish and Portuguese - More to follow) Flame out safety protection sensor. Direct Printing using integral thermal printer. USB interface to connect with PC for Data Collection Software. Automatic selection of filters. Up to 12 point calibration capability. Water Trap and Air Pressure adjustment on main unit. Oil Free Air compressor with buffer tank	Each	1	85,375.75	85,375.75
4.1	910-006 FP910 Touch Station-Pro data collection software Allows for data and calibration factors and data to be stored on to a Windows Based PC. Full control of the basic collection of data from the Flame Photometer for models Fp910-4 and FP901-5	Each	1	12,100.89	12,100.8

	ole. The software is pre loaded on to a 10 inch is Tablet operating in Windows 10 with a touch real of Touch Station Pro will allow the exporting of				
	In Excel Format, MS Word and PDF. USB Interface and				
	et Stand are included.				
	00ml of 1mg/ml standard solution of Sodium	Each	1	4,148.88	4,148.88
	500ml of 1mg/ml standard solution of Potassium	Each	1	4,148.88	4,148.88
1	STD-LI 500ml of 1mg/ml standard solution of Lithium	Each	1	4,148.88	4,148.88
1	STD-CA 500ml of 1mg/ml standard solution of Calcium	Each	1	4,148.88	4,148.88
1.6	5TD-BA 500ml of 1mg/ml standard solution of Barium	Each	1	4,148.88	4,148.88
4.7	910-002 Complete Nebuliser including burner and atomiser	Each	1	7,952.01	7,952.01
5	C4-MKII-2. 5M-11-A Multi-purpose Flume - 2.5m with Basic Accessories & Flowmeter (Incorporates Basic Hydraulics Bench F1-10-A)	Each	1	433,411.59	433,411.59
	F1-10-2-A Digital Hydraulics Bench with Flow Meter	Each	1	102,092.33	102,092.33
5.1	SUB-TOTAL A				2,666,142.31
	1% COVID-19 Health Recovery Levy	(CRL)			26,661.42
	NHIL-2.5%				66,653.56
	GETFUND-2.5%	State of the same			66,653.56
	SUB TOTAL B (SUB TOTAL-A + COVID-19 HRL-1%/ NHIL	-2.5%/G	ETFUN	0-2.5%)	2,826,110.85
)3	15% VAT				423,916.63
	GRAND TOTAL = SUB-TOTAL B + 15	% VAT			3,250,027.48
	t in Words: Three Million, Two Hundred and Fifty Th	ousand	and T	wenty-Seven (Shana Cedis

PAYMENT MODE

PAYMENT BY	CHEQUE ISSUED IN OUR FAVOUR OR BY BANK TRANSFER
BANK NAME	NATIONAL INVESTMENT BANK
ACCOUNT NAME	WAGTECH GHANA LIMITED
ACCOUNT NUMBER	1112002609101
BRANCH NAME	osu
BRANCH NUMBER	12
SORT CODE	050111
SWIFT CODE	NIBGGHAC

Yours faithfully WAGTECH GHANA LIMITED

Irene Ohene Akoto Office Manage

WAGTECH GHANA LIMITED
P. O. BOX AT 211, ACHIMOTA
ACGRA - GHANA
TEL: 0302412406/0307090326
Email: info@wagtech.com.gh

VERSITY FOR DEVELOPMENT STUDIES

7300 10 15:03 / 2022078 03 / 20208 14 03720-22080 Anne waw,uds.edu.gb mail verruds, edugit.

P. O. Bex 1350 Tamale, Ghana

Dab:.....

June 19, 2023

Our Reft......

OFFICE OF THE VICE-CHANCELLOR

Your Ref.

The Managing Director WAGTECH Ghana Limited P.O. Box AT 211 Accra

Dear Sir,

Re: Contracts for the Supply and Installation of Laboratory Equipment - Lot 1 (NR/UDS/WACWISA/GD/007/2022) - Request for Contract Price Variation

I write with reference to your letter dated May 19, 2023 on the above subject. Your request has been examined by Management and a 15% price increment of the original Contract Price has been granted.

The VAT rate of 15% instead of the original 12.5% has also been granted since it is statutory. Your contract price has now increased from Two Million, Seven Hundred and Sixty Four Thousand, Six Hundred and Seventy Three Ghana Cedis Sixty One Pesewas (Gh¢2,764,673.61) to Three *Million, Two Hundred and Fifty Thousand and Twenty Seven Ghana Cedis Forty Five Pesewas (Gh¢3,250,027.45).

You are to communicate in writing your acceptance of the new contract price and submit a revised invoice to cover the changes.

Thank you.

Yours faithfully,

Prof. Seidu Al-hassan

Vice-Chancellor

cc: Pro-Vice-Chancellor Registrar Director, Finance A.g Director of Internal Audit Director, WPD Director, WACWISA

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND NITROGEN ANALYSERS. PRICE SCHEDULE

Description Country Qty of Origin	U/Price (GH¢) EXW	U/Price (GH¢) * Total Price of Total CIP Site Incidental Services & CH¢) (GH¢) EXW Inland Delivery (GH¢) others to Final Destination (GH¢)	Total Price of and Delivery to Final Destination (CHR)	Total CIP Site (GH¢)	Incidental Services & others (GH¢) (installation)	Total Tender Price (GH¢)	Kemarks
			(2)	(F. 0) 0	****	10-(8±0)	11
2 3 4	ıcı	6=(4x5)	7	(/+0)=8	ກ	(6+6)=01	

HYD	HYDROGEN, CARBON AND NITROGEN ANALYSER								
H	F30800100 "Elemental Analyzer CHNS-O, model EMA 502 - Precise, versatile, cloud-enabled micro	品	-	1,164,713.17 1,164,713.17	1,164,713.17	1,164,713.17		1,164,713.17	
	elemental analyzer for Carbon, Hydrogen, Nitrogen, Sulfur and Oxygen determination with								
	Helium and Argon as carrier gas - SAMPLE WEIGHT: Up to 100mg (depending on								
	C content) - DETECTOR: TCD (Thermal Conductivity								
	Detector) - AUTOSAMPLER CAPACITY: up to 4 discs, 30								
	positions each (up to 117 samples)								
	CHN determination) - CONNECTIVITY: USB: RS232"								
		ī	,	116 268 00	116 268 00	116,268.00	,	116,268.00	
1.1	 "Kit approx. 1000 analysis for Oxygen A pre-packaged solution that allows you to 	2	1	70,202,011					
	save time in choosing all the consumables								
	A00000437	i	,	0 802	E0 E24 92	50.524.92		50,524.92	
1.2	2 GC column for oxygen SS 1m	2	1	20,724.32	30,327,34				
,	A00000432	ū		58.783.54	58,783.54	58,783.54	4	58,783.54	
-	1.3 Kit approx. 1000 analysis for Crivs	-	-		And the second s				1 of 3

Signed:

2 dethat

WACTECH GHANA LIMITED P. O. BOX AT 211 ACMMOTA ACCRA - GHANA TEL: 0302472406/0307098326 Eman: info@wautech.com.gh

> Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 10th May, 2023

UDS-31481-44668-VR-GAA-ka

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND NITROGEN ANALYSERS. PRICE SCHEDULE

Storyeith.

NAME OF TENDERER: WAGTECH GHANA LIMITED

	Ploozizz Remarks		11					1,568,071.23	15,680.71	39,201.78	The sand is not the sand in sa
	IFT No.: NR/UDS/WACWISA/GD/002/22 al Total Tender Price Rer & (GH¢)		10=(8+9)		0 10	01,838,46	115,923.14				
	Incident Services others (GH¢)	(Installation)	9****				-			A CONTRACTOR OF THE PERSON OF	
	Total CIP Site (GH¢)	i	(/+9)=8		61,858,46	4	113,923,14				
	*Total Price **Total Price of Total CIP Site (GH¢) EXW Inland Delivery to Final Destination	(AUD)	7		*			CBI	(anna)		
		1	0=(4X2)		61,858.46	115,923.14 115,923.14	(A)	fealth Recovery Levy (CRI)		2%	
	U/Price (GH¢) EXW	2			61,858.46	115,923.14	SUB-TOTAL (A)	Health Reco	NHIL 2.5%	GETFUND 2.5%	
	y Oty	4			1	1		1% COVID-19 H			
	Country of Origin	8			2	EU		1%			
	No.	2		40003081 1.4 PM kit EMASO2	Installation, Commissioning and Training (ICT)	2 charges					
100			L								

GRAND TOTAL (GH¢ 1,911,478.83) In words; One Million, Nine Hundred and Eleven Thousand, Four Hundred and Seventy-Eight Ghana Cedis Eighty-Three Pesewas,

SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%

GRAND TOTAL = SUB-TOTAL B + 15%VAT

15%VAT

249,323,33

39,201.78 1,662,155,50

PLEASE NOTE:

a. All our Price do Include all Import Tariffs as Import Duty, Import VAT, Ecowas Levy etc.

Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited

Wastrew Granalimited P. D. Box at 211 Mchrosta Accra - Ghama Tel: 0302412406/0307090326 Emba: Info@wastech.com.qh

2 of 3

UNIVERSITY FOR DEVELOPMENT STUDIES

Tah.0372093659/0372022078/0372026634

Fax: 03720-22080

Website: www.uds.edu.gh
Email: ver/cuds.edu.gh
NR/UDS/WACWISA/GD/002/2022

Our Ref:

P. O. Box 1350 Tamale, Ohana

October 25, 2022

Date:.....

Your Ref. OFFICE OF THE VICE-CHANCELLOR

The Managing Director Wagtech Ghana Limited P.O. Box AT 211 Accra

Dear Sir,

NOTIFICATION OF AWARD

This is to notify you that your Tender dated September 7, 2022 for execution of the contract for the Supply and Installation of hydrogen, carbon and nitrogen analyzers (Contract No: NR/UDS/WACWISAGD/002/2022), in the amount of One Million, Four Hundred and Ninety Five Thousand, Nine Hundred and Thirty Nine Ghana Cedis, Ninety Five Pesewas (GHs 1,495,939.95) as corrected in accordance with the Instructions to Tenderers for delivery within Twelve (12) weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of One Hundred and Forty Nine Thousand, Five Hundred and Ninety Four Ghana Cedis (GHs149,594.00) and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature......

Name and Title of Signatory: Prof. Scidu Al-hassan (Vice-Chancellor)

Name of Agency: University for Development Studies Address for Correspondence: Post Office Box 1350 Tamale, N/R

Tel: 071-22078/26633/4

cc: The Pro Vice Chancellor, UDS

The Registrar, UDS

The Director, WPD, UDS

The Director of Finance, UDS

The Secretary, Tender Committee, UDS

The Ag. Director of Internal Audit, UDS

The Director of Procurement, UDS

The Director, WACWISA UDS

The Head of Stores, UDS

224390,99



University For Development Studies (UDS) P.O. Box TL 1350 Tamale Wagtech Ghana Ltd.
Plot 8, Justice. A. Brobbey
Ave. 2nd Street, New
Achimota Mile7GW1109 0745 Accra.
P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 951
(0) 307-090 326

(0) 20-222 2078 Tel/Fax: 0302 412 406 info@wagtech.com.gh georgek@wagtech.com.gh

Date: 7th September, 2022

IFT NO.: NR/UDS/WACWISA/GD/002/22

LETTER OF BID

Gentlemen and/ or Ladies:

Having examined the Tender documents including Addenda Nos. [0] the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver HYDROGEN, CARBON AND NITROGEN ANALYSERS GH¢ 1,495,939.95 (In words: One Million, Four Hundred and Ninety-Five Thousand, Nine Hundred and Thirty-Nine Ghana Cedis Ninety-Five Pesewas.) or in conformity with the said Tender documents or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

We undertake, if our Tender is accepted, to deliver the goods and services in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Tender is accepted, we will obtain the Bank Guarantee acceptable to the Purchaser in a sum equivalent to 10% (Ten Percent) of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Tender for the period of **90** days from the date fixed for Deadline for Tender submission, and it shall remain binding upon us and may be accepted any time before the expiration of the period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Tender, and to contract execution if we are awarded the contract, are listed below:

NONE NONE NONE

WAGTECH GHANA LIMITED
F. O BOX AT 211
ACHIMOTA
ACCRA - GHANA
TEL: 0802412406/0307090326
Email: Info@waotech.com.gh

Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITT Clause 2 of the Tender documents.

Dated this 7th day of September, 2022

J# 5

Emmanuel Amankwah-Minkah Commercial Director

WAGTECH GHANA LIMITED
P. O BOX AT 211
ACHIMOTA
ACCRA - GHANA
TEL: 0302412406/0307090326
Small: info@wagtech.com.gh

Duly authorized to sign Tender for and on behalf of WAGTECH (GH) LTD.

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND **NITROGEN ANALYSERS.** PRICE SCHEDULE

Docomington	日日日本日本日本日日日日日日日日日日日日日日日日日日日日日日日日日日日日日		The state of the state of	The state of the s						002/22
No.		Country of Origin	Offy	U/Price (GH¢) EXW	* Total Price (GH¢) EXW	ice (GH¢) * Total Price **Total Price of Total CIP Site Incidental EXW (GH¢) EXW Inland Delivery (GH¢) Services & others to Final Obestination (GH¢) (GH¢) (GH¢)	Total CIP Site (GH¢)	Incidental Services & others (GH¢)	Total Tender Price (GH¢)	Remarks
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1		2	+	വ	6=(4x5)	7	8=(6+7)	****	10=(8+9)	11

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	1,112,444.13	96.866'29	19,473.91	48,950.56	9,589.42
	1	1		-	1
	1,112,444.13	63,998.96	19,473.91	48,950.56	9,589.42
	1,112,444.13	63,998.96	19,473.91	48,950.56	9,589.42
	н	п	1	1	-
	EU	EU	E	EU	EU
HIDROGEN, CARBON AND NITROGEN ANALYSER	F30800100 "Elemental Analyzer CHNS-O, model EMA 502 - Precise, versatile, cloud-enabled micro elemental analyzer for Carbon, Hydrogen, Nitrogen, Sulfur and Oxygen determination with Helium and Argon as carrier gas - SAMPLE WEIGHT: Up to 100mg (depending on C content) - DETECTOR: TCD (Thermal Conductivity Detector) - AUTOSAMPLER CAPACITY: up to 4 discs, 30 positions each (up to 117 samples) - CARRIER GAS: Helium or Argon (Argon for CHN determination) - CONNECTIVITY: USB; RS232"	A00000433 1.1 "Kit approx. 1000 analysis for Oxygen - A pre-packaged solution that allows you to save time in choosing all the consumables needed touse your analyzer!"	1.2 GC column for oxygen SS 1m	1.3 Kit approx. 1000 analysis for CHNS	1.4 PM kit EMA502
_		-	Н	-	1

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 7th September, 2022

UDS-31481-44668-VR-GAA-ka

WAGTECH GHANA LIMITED
P. O BOX AF 211
ACHIMOTA
ACCRA - GHANA
TEL: 0302412406/0307090326
Email: info@wagtech.com.gh

PRICE SCHEDULE

PACKAGE NO.NR/UDS/WACWISA/GD/002/22- SUPPLY AND INSTALLATION OF HYDROGEN, CARBON AND **NITROGEN ANALYSERS.**

Description	Country Oty of Origin	U/Price (GH¢) EXW	Price (GH¢) * Total Price * Total Price of CH¢) Incidental CH¢ EXW (GH¢) EXW Inland Delivery to Final CH¢ Services & Others to Final CH¢ (GH¢) Others (GH¢) (GH¢)	Total Price of T land Delivery to Final Destination (GH¢)	otal CIP Site (GH¢)	CONTRACTOR OF THE PARTY OF THE	Total Tender Price (GH¢)	Remarks
2	3 4	Ľ	6=(4x5)	7	8=(6+7)	9 ****	10=(8+9)	11

	1,254,456.98	12,544.57	31,361.42	31,361.42	1,329,724.40	166,215.55	1,495,939.95
84,872.13							
84.872.13					D 2.5%		
84 872 13	(A)	1% COVID-19 Health Recovery Levy (CRL)		%9	SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%		GRAND TOTAL = SUB-TOTAL B + 12.5%VAT
84 877 13	SUB-TOTAL (A)	Health Reco	NHIL 2.5%	GETFUND 2.5%	(A)+CRL 1%	12.5%VAT	= SUB-TOT
	1	OVID-19			3-TOTAL		ID TOTAL
ū	0	1%			B (SU		GRAN
Installation, Commissioning and Training (ICT)	2 charges				SUB TOTAL		

SUB-TOTAL (A): (GH¢ 1,254,456.98) In words: One Million, Two Hundred and Fifty-Four Thousand, Four Hundred and Fifty-Six Ghana Cedis Ninety-Eight Pesewas. 1% COVID-19 Health Recovery Levy (CRL): (GH¢ 12,544.57) In words: Twelve Thousand, Five Hundred and Forty-Four Ghana Cedis Fifty-Seven Pesewas. NHIL 2.5%: (GH¢ 31,361.42) In words: Thirty-One Thousand, Three Hundred and Sixty-One Ghana Cedis Forty-Two Pesewas.

GETFUND 2.5%: (GH¢ 31,361.42) In words: Thirty-One Thousand, Three Hundred and Sixty-One Ghana Cedis Forty-Two Pesewas.

SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%: (GH¢ 1,329,724.40) In words: One Million, Three Hundred and Twenty-Nine Thousand, Seven Hundred and Twenty-Four Ghana Cedis Forty Pesewas.

GRAND TOTAL = SUB-TOTAL B + 12.5%VAT: (GH¢ 1,495,939.95) In words: One Million, Four Hundred and Ninety-Five Thousand, Nine Hundred and Thirty-Nine 12.5%VAT: (GH¢ 166,215.55) In words: One Hundred and Sixty-Six Thousand, Two Hundred and Fifteen Ghana Cedis Fifty-Five Pesewas. Ghana Cedis Ninety-Five Pesewas.

Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited

Date: 7th September, 2022

TEL: 0302412406/0307090324

ACCRA - GHANA

ACHIMOTARS

WAGTECH GHANA LIMITED P. O BOX AT 211

UDS-31481-44668-VR-GAA-ka

Contract Form

THIS AGREEMENT made the 37d. day of Movember, 2022, between University for Development Studies (UDS) – Tamale of Ghana (hereinafter called "the Purchaser") of the one part and Wagtech Ghana Limited, P. O. Box AT 211, Accra of Ghana (hereinafter called "the Supplier") of the other part:

WHEREAS the Purchaser invited Tenders for certain goods and ancillary services, viz. Supply and Installation of Hydrogen, Carbon and Nitrogen Analysers and has accepted a Tender by the Supplier for the supply of those goods and services in the sum of One Million, Four Hundred and Ninety Five Thousand, Nine Hundred and Thirty Nine Ghana Cedis, Ninety Five Pesewas (GHs 1,495,939.95) (hereafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract;
 - (f) the Purchaser's Notification of Award; and
 - (g) Contract Data Sheet
- 3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

On behalf of the Purchaser

Name:

Prof. Seidu Al-hassan

Signature:

Designation: Vice-Chancellor

Seal:

THE VICE CHANCELLOR University for Dev. Studies

P. O. BOX TL 1350 Date: 03/11/2022 JAMALE

Witnessed By:

Name:

Ing. Samuel B. Abiko

Signature:

Designation: Director, WPD

WORK & PHYSICAL DEV T UNIVERSITY FOR DEV. STUDIE 1350 TAMALE

On behalf of the Supplier

Name: GEORGE KORAMICYE

Signature: (1)

Designation: MAHACING DIRECTOR

Wagtech Ghana Limited

TEL: 0302412406/0307090326 Email: info@waatech.com.gh

Witnessed by:

Name: Emmanuel Amankwal-Mnka

Signature:

Designation: Commercial Breches

Date: 03/11/2022

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)



INTERNAL MEMORANDUM

FROM:

Administrative Coordinator

TO

Director

DATE:

14th February 2022

SUBJECT:

REQUEST FOR THE PROCUREMENT OF LABORATORY EQUIPMENT FOR

THE NEW WACWISA OFFICE COMPLEX BUILDING

I write to request your approval for the procurement of the attached list of laboratory equipment for the new WACWISA office complex building located at the Nyankpala Campus of the UDS.

Sir, it will be very much appreciated if approval is given for the procurement these items.

Submitted for your kind approval, Sir.

Bernard Alardo ChPA, CMC

Administrative Coordinator, WACWISA

(2) Moreson

LIST OF LABORATORY EQUIPMENT FOR THE NEW WACWISA OFFICE COMPLEX BUILDING

/No	Name of Equipment	Analysis		
	Environmental	Malysis	Specification	Quantity
	chamber		Technical Specification	
			- 23 output channels for	
			the control of lighting,	
			logic events, convenience	
			outlets, etc.	
			- Onboard diagnostics,	
			ambient temperature	
			monitoring and power	
			failure event logging for	
			improved troubleshooting	2
			- The added security of an	-
			independent temperature	
			alarm	
,			- Dual experiment	
			protection with primary	
			limit and independent	
			secondary limit	
			- Backwards compatible	
			with all existing systems	
			- Trinocular or binocular	
			dissecting microscopes	
			with a zooming range of	
			6.7x-45x.	
			- Can be attached to the	
			digital camera which takes	
IV.	licroscope (dissecting		photos of the viewing	
SC	cope with camera)		images.	3
			- Have a dual-LED	3
			illuminator and they can	
			rotate at 360°.	
			- Magnification can be	
			changed by adding	
			auxiliary objectives or	
			different eyepieces.	
			Erlenmeyer Flasks-set of	
Er	lenmeyer Flasks-set		12 (1L)	
			Corning Pyrex #4980-1L,	5
			1000ml Narrow Mouth	

2			Erlenmeyer Flask with Rubber Stopper (Single)?	
3			**	
ů.	Scale 0.01 g		Scale 0.01 g	5
	Open Channel Velocity Water Current Meter	MGG/KL-DCB series of electromagnetic velocity meters is the portable measuring instrument of velocity and flow, which is professionally designed for agricultural irrigation, hydrologic monitoring, river flow monitoring, municipal water, industrial sewage	Variable Area Water Flowmeters Canal deep:<=20m Canal bottom width:<=20m Accuracy: ±1.0% Flow velocity: 0.01m/s- 10m/s Power supply: 1.5V*5 removable alkaline batter Measure: velocity + flow + level Communication interface: RS485 Water level indication: water level is 5-digits, the flow velocity is 5-	10
	Submersible Analog Water Level Sensor	and etc. Measuring depth in dams, rivers, lakes, sea, well	digits Accuracy :≤ ±0.5%F.S; ≤ ±0.25%F.S; ≤ ±0.1%F.S Level range: 0.5m to 500m optional	10
	Potalab+ PTW10010	Provides portable analysis of a wide and comprehensive range of key drinking water quality parameters	Contains: Photometer 7500 and light cap, 6 photometer cuvettes, photometer reagents for 200 tests for Free and Total Chlorine, Ammonia, Fluoride, Nitrite and Nitrate Turbimeter Plus, SDVB calibration standards, 4 sample cuvettes, silicone oil, cleaning/oiling cloth PalintestArsenator Digital Arsenic Test System, unique three-stage filter	2

	** The state of th		assembly, conical flask, consumables for 200 Arsenic tests Micro 800 pH/Temperature Meter with pH calibration	
		Laboratory	buffers Micro 800 Conductivity/TDS Meter with conductivity calibration standard Cuvette brush, Dilution tubes, crush/stir rods, De- ion pack, instructions	
1	Spectrophotometer	Spectrophotometer for water analysis	DR6000 Benchtop Spectrophotometer	1
	Digital Flame Photometer	Determination of Na, K, Ca, Ba & Li	FP910-5 (for the analysis of five elements – Sodium, Potassium, Calcium, Lithium and Barium)	1
•	Hydrogen, carbon, and nitrogen analyzer	For analysis of carbon, nitrogen, hydrogen, sulfur	ORGANIC ELEMENTAL ANALYZER with O, Cl, TIC and TOC option + 120 Positions Autosampler + 21 CFR Part 11 functionality	1
	TOC Analyzer		PC-controlled model + Autosampler ASI-L (with 9 mL, 24 mL, and 40 mL Vial Types) + TN (Total Nitrogen) Unit TNM-L+ Solid Sample Combustion Unit SSM-5000A	1
	Metalyser Field Pro	Measure up to 16 parameters in	Field Pro HM3000 + Model Field Pro HM4000 for Soils	1
	Multi parameter probe	Waterproof Meter With optional GPS	HI-9829 [HI9829-13202] Multiparameter PH / ISE / EC / DO / Turbidity w/ GPS, Datalogging & 20m Cable	1

14.	Tilting Flume	A tilting flume with transparent side walls which give a complete view of the flow along the entire length of a 6 m test section. The dimensions and design of the channel are in conformity with Chézy's four conditions for steady uniform flow. Water flows in a closed circuit.	EH1000- Hydraulic Channel with Variable	1
15.	Flow Visualisation Flume for Sediment Transport Studies	A pilot sediment transport flume like most rivers and canals to give for an engineer engaged on studies in such fields as geology, hydrology, irrigation, etc.	Technical specifications: 1 kW stainless steel centrifugal pump Water tank Magnetic float needle type flow meter. 2 vernier gauges. 1 pitot tube 1 thin-walled weir with ventilated ply, 2 thick weirs, 1 venturi, 1 vertical guillotine valve 2 bridge piers, 1 triangular weir and 1 rough bed	1
16.	Aerobic Sludge Sewage Treatment with Anoxia Nitrification- Denitrification with Data Acquisition System + accessories	Elimination of carbon, nitrogenous and phosphorous pollution, by microbiologic way.	Technical Specification - A 300 litres feeding tank in PE with cover (4 to 5 days autonomy) - Stainless stell circulator to maintain the substrate in agitation - An anoxia tank, toalvolum of 15 litres in Altuglass	1

7				
5			- An aeration tank of 40	
			litres in Altuglass	
	4		- A clarification tank in -	
			Altuglass of 30 litres	
	*.		- A decantation tank of 12	
			litres	
			- A substrate peristaltic	
			feeding pump with timer	
			- A sludge peristaltic	
			recycling pump with timer	
			- A mixed liquor peristaltic	-
			recycling pump with timer	
			- Peristalitic pump with fix	
			speed fo the doing of	
			acid/base	
			- Probes for 02 rate, Ph	
-			and temperature	
_ ?			- A compressor (1.2 m ₃ /h	
			at 2 bars) with a needle	
			valve and a manometer	
			- A pH measurement	
			devise with a 4 litres tank	
			and a fix flow pump	
			- Two stirrers with speed	
			control (anoxia and	
			aeration tanks)	
			- A gas rotameter	
			- A rotameter for the	
			substrate	
			- The pilot is made of PVC	
			and Plexiglass on a	
-			stainless steel frame with	
_			aluminium nuts	
		This test bench	Technical	
		makes it possible	specifications:	
		to study the		
	Flow Measurement in	various methods of	One channel : useful	
7.	Open Channel	measurement of	dimensions : L x W x D:	
	Open Chainlei	flows in open	2400 x 100 x 180 mm in	1
		pipelines: by	Altuglass. A stabilizing	
		triangular,	basin upstream of the	
		rectangular,	circuit with a safety device	
		venturi and	and safety weir,	

6		1;		
	S.	limnimetric outf	o-addiced drain pan in	or
-	· production of the contract of	measurements o	Ilow measurement at love	V
	A .	ultrasound senso	or flows.	
		+ accessories.		
	3		This tank is followed by	
			another tank allowing the	
			return of the flow to the	
			pump, either by two	
			drowned pipes, or by two	
			partially denuded pipes,	
			- A feed tray	
			- A float flowmeter	
			- A stainless steel	
			centrifugal pump whose	
			flow rate can be adjusted	
			either by a diaphragm	
-			valve or by a variable	
			speed drive. This flow can	
			be checked using the float	
			flowmeter.	
			Two gauges allowing	
			the survey of the water	
			line in the canal. They will	
			be moved along the canal	
			depending on the weirs,	
			The measuring bench is	
			mounted on a stainless-	
			steel frame.	
			The IP55 control cabinet	
			includes the pump control.	
			its dimmer, the sensor	
			display, circuit breakers.	
			fuses, on / off, emergency	
			stop.	
		Used to find out		
		What alamanta	ICD OFF	
	4	procent in	ICP-OES: Inductively	
	ICP-OES	cortain material	Coupled Plasma -	
		and quantify the	Optical Emission	1
		This is done by	Spectroscopy	
		dissolving the		

	*	material in acid	
		and diluting with	
٥		water. Nitric acid	
- 1		is the most	
7		common acid used	
		as most elements	
		form water soluble	
		nitrates. The water	
		solution can then	
		be pumped into	
		the instrument	
		nebulizer, which	
		turns the sample	
		into a spray that is	
		later fed into the	
A CONTRACTOR OF THE CONTRACTOR		plasma.	

UNIVERSITY FOR DEVELOPMENT STUDIES

Fei:0372033659/0372022078:0372026634 Fax: 03720-22080 Website: www.ads.edu.gh Email: veirads.edu.gh

P. O. Box 1350 Tamale, Chang

NR/UDS/WACWISA/GD/007/2021

Your Ref OFFICE OF THE VICE-CHANCELLOR

November 23, 2022

The Managing Director Wagtech Ghana Limited P.O. Box AT 211 Accra

Dear Sir,

NOTIFICATION OF AWARD

This is to notify you that your Tender dated September 7, 2022 for execution of the contract for the Supply and Installation of Laboratory Equipment –Lot 1 (Contract No: NR/UDS/WACWISAGD/007/2022), in the amount of Two Million, Seven Hundred and Sixty Four Thousand, Six Hundred and Seventy Three Ghana Cedis, Sixty One Pesewas (GHs 2,764,673.61) as corrected in accordance with the Instructions to Tenderers for delivery within Twelve (12) weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of Two Hundred and Seventy Six Thousand, Four Hundred and Sixty Seven Ghana Cedis, Thirty Six Pesewas (GHs276,467.36) and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.....

Name and Title of Signatory: Prof. Seidy Al-hassan (Vice-Chancellor)

Name of Agency: University for Development Studies Address for Correspondence: Post Office Box 1350

Tamale, N/R Tel: 071-22078/26633/4

cc: The Pro Vice Chancellor, UDS

The Registrar, UDS

The Director, WPD, UDS

The Director of Finance, UDS

The Secretary, Tender Committee, UDS

The Ag. Director of Internal Audit, UDS

The Director of Procurement, UDS

The Director, WACWISA UDS

The Head of Stores, UDS

UNIVERSITY FOR DEVELOPMENT STUDIES





PROJECTS

	PAY	MENT VOUCHER		The second of th
ALLOCATION:		PV	NO: PV228191	
PAY: WAGTECH GHANA LIMITED		DESCRIPTION	Helia Helia	AMOUNT
	PAYMENT F LABORATOR	OR THE SUPPLY & INSTULLATIO RY EQU	N OF	
9/20/2023	8.9/			GHS
PREPARED BY				
COSMAS				588,804.41
Thange	AMT IN WORDS	FIVE HUNDRED EIGHTY-EIGHT TH GHANA CEDIS, FORTY-ONE GHAN	OUSAND EIGHT HUN	DRED FOUR
I CERTIFY that the above amount DATE: 9/20/2023	nt is correct			medule Officer
Invoice num: WAC 3143		DEBIT ACCOUNT (2999002-CA-PRJ	ODE	603,660.70
Authorised and passed for P Tax WITHO WITHO Net Amount PROJECT ACCOUNTANT: Date:	VAT FLAT OLDCEN ATCEN		DDO621	
	V(Date:	22/04/2	<u> </u>
Approved By		Verified by Int UNIVERSITY INTERNAL AL CHECKED BY:	FOR DEV'T STUD	25/09/25. 20/09/25.
eceive this	day of	20 In respect of Payment	- H	,0, ,, ,,
ne Sum of				
	. Ghana Ced	is	Pesewas	
link And	ND: E	006015624510		

WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)





INTERNAL MEMORANDUM

FROM: Lecturer/Head of Laboratory

TO

: Director, WACWISA

DATE: 13th September, 2023

SUBJECT: REPORT ON THE SUPPLY AND INSTALLATION OF LABORATORY **EQUIPMENT FOR CONTRACT LOT 1**

Please, I write to report that the supply and installation of Laboratory Equipment for Contract Lot 1 NO.:NR/UDS/WACWISA/GD/004/2023 is completed successfully.

The equipment were tested with installation team and the WACWISA laboratory team and I write to indicate that they are working as required.

Thank you.

Dr. Richard Osei Agyemang (Head of Laboratories)

18/9/23

PY228191



UNIVERSITY FOR DEVELOPMENT STUDIES

(Procurement Directorate)

Memorandum

To :

Director, WACWISA

From

Director of Procurement

Date :

September 13, 2023

Subject:

PAYMENT FOR THE SUPPLY AND INSTALLATION OF

LABORATORY EQUIPMENT - LOT 1

I write for approval for the payment of an amount of Six Hundred and Three Thousand, Six Hundred and Sixty Ghana Cedis, Eighty Pesewas (Gh¢ 603,660.80) to Wagtech Ghana Limited, Accra for the above as per the VAT invoices Numbered (22/0504466) and confirmation of work done memo attached

Duke A. Fredua

Director of Procurement

cc:

Director of Finance Director of Internal Audit

File

3 FM Ps ma' 1909/23 Denned My 1/22

Remain process reserved and from Muly 2009/2

UNIVERSITY FOR DEVELOPMENT STUDIES

Tel: 03720-22078/26634/92593

Fax: 03720-22080

Email: registrar@uds.edu.gh Website: www.uds.edu.gh

Our Ref.....NR/UDS/WACWISA/GD/004/20

P. O. Box TL 1350 Tamale, Ghana



Your Ref..... OFFICE OF THE PRO VICE-CHANCELLOR

28th July, 2023

The Manager Wagtech Ghana Limited Box AT 211 Accra

Dear Sir/Madam,

ADDENDUM: SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT – LOT 1

With reference to our letter dated April 11, 2023, on the above contract, we write to inform you to additionally supply and install 1No. acqualogger-200 at the sum of Fifty Four Thousand Five Hundred and Forty Six Ghana Cedis, Thirty Four Pesewas (GHs 54,546.34) as per your quotation dated 23rd March, 2023. This now brings the total contract sum from Five Hundred and Forty Nine Thousand, One Hundred and Fourteen Ghana Cedis, Forty Six Pesewas (GHs 549,114.46) to Six Hundred and Three Thousand, Six Hundred and Sixty Ghana Cedis, Eighty Pesewas (GHs 603,660.80).

Please note that the terms and conditions of the original contract remain the same.

Yours faithfully,

Prof. Polix K. Abagale Pro-Vice Chancellor

cc: Vice-Chancellor

Registrar

Director of Finance

Ag. Director of Internal Audit

Head, GUSSS

GHANA REVENUE AUTHORITY 22/ 0504466

ORIGINAL (CUSTOMER)





TAX INVOICE

The second section of the second seco	Supplier's TINC0002351579 Customer's TIN
MASTECH CHANA LTD	Supplier's TIN
FromMT91CS	Customer's 111 23 08 2023
A Company of the Comp	Date of IIIVolootti
<u> </u>	A ADMINISTRATION OF THE PROPERTY OF THE PROPER

e of Supply	23 08 2023	UNIT PRICE	AMOUNT
QTY	DESCRIPTION	283,618.52	283,618.52
SHANN PERSON STATES	M3000 ace20 Metalyser	71,208.65	71,208.65
CHARLES THE VEHICLE OF THE PARTY	1471-500	44,241.43	44,241.43
Po	COURT DEGER - 2000	68,990.51	68,990.51
	73448T Laic GLD 140	26,203.70	26,203.70
Section 1	hermo Scientifi UC15215/120/14/7 Kit- Undergrad Stirrer	252.59	757.77
3	ST800-30 pp 300mm Retriever pp 300mm	63.06	189.18
3	ST630-12 ST630-12 FLOWER BAR OCTAGONAL	TOTAL CONTROL OF THE	495,209.76
and the forest the standard to be	X Exclusive Value	12,380.31	
	HIL (2.5%) ETFund Levy (2.5%)	12,380.3	00
THE CONTRACT OF THE	OVID 49 Levy (1%)	4,952.1	524,932.79
(v) 7	Total Levy Inclusive Value (ITILIII)	V 1.00 (1.00	78,738.4
A STREET, STATE OF	VAT (12.5%) (v) Total Tax Inclusive Value (v+vi)	A SECULAR DE LA CASA D	603, 660.80

Terms of Payment. CHEQUE

GRA FORM C (VAT REGULATION 21(1)(2))

Supplier's Signature



Office of the Vice-Chancellor, University for Development Studies, UDS, Central Administration (off Kumasi Road), Room 104, Tamale Northern Region Wagtech Ghana Ltd.
Plot 8, Justice.A. Brobbey
Ave.2nd Street, New
Achimota Mile7GW1109 0475 Accra.
P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 951
(0) 307-090 326

(0) 20-222 2080 Tel/Fax: 0302 412 406 georgek@wagtech.com.gh

Our Ref.: WGL/2308-130/GK-ka

Dear Sir,

SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT-LOT 1 (NR/UDS/WACWISA/GD/004/2023). REQUEST FOR PAYMENT.

With reference to the above-mentioned contract which we signed with UDS. We wish to inform you that Wagtech Ghana ltd has duly supplied and installed the equipment as per the tender requirements.

We hereby submit our final VAT invoice in the sum of Six hundred and Three thousand, Six hundred and Sixty Ghana Cedis Eighty Ghana pesewas (GH¢ 603,660.80) covering the full contract amount for settlement. We count on your usual understanding and cooperation.

Hoping to receive your settlement soon.

Yours faithfully WAGTECH GHANA LIMITED

George Korankye
Managing Director

CC: The Pro Vice Chancellor, UDS
The Registrar, UDS
The Director, WPD, UDS
The Director of Finance, UDS
The Ag. Director of Internal Audit, UDS
The Director of Procurement, UDS
The Head of Stores, UDS

WAGTECH GHANA LIMITED P. O BOX AT 211 ACHIMOTA ACCRA - GHANA TEL: 0302472405/030709832 Email: Info@wautech.com.qi



UNIVERSITY FOR DEVELOPMENT STUDIES (UDS) P.O. BOX TL 1350 TAMALE Wagtech Ghana Ltd.
Plot8, 2nd Street,
Justice Brobbey Avenue,
Mile 7, New Achimota
GW1109
P. O. Box AT 211
Achimota Market Mall
Accra - Ghana
Tel: +233 (0) 302-910 951
(0) 307 090 326
(0) 20-222 2079
Tel/Fax: 0302 412 406
georgek@wagtech.com.gh
info@wagtech.com.gh

WAY-BILL

INVOICE NO. WG/23-08-023-019-GK-eo
SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT
IFT NO.: NR/UDS/WACWISA/GD/004/2023

By Vehicle No.: GE 7496-19

Driver's Name: GEORGE ALIANT ATONGO

Items No.	Description	Q'TY	Remarks
1	HM3000 Trace2o Metalyser HM3000 - A professional portable heavy metals analysis system, combining the reliable Metalyser handheld unit with a high-quality waterproof 10 inch tablet PC, offering enhanced levels of precision and accuracy. Compatible with the AquaSafe" Management System (ASMS).	1	
2	MAJI-500 Maji-500 portable multi-parameter Water Quality Kit for measuring 10 standard parameters (including Turbidity) Supplied as a package including Probe, GPS Maji-meter, tough 3m meter cable, calibration solutions and accessories. All housed in a rugged carry case for easy storage and transport. Standard parameter specifications: Dissolved Oxygen (DO) Range: 0 - 500.0% / 0 - 50.00 mg/L Resolution: 0.1% / 0.01mg/L Accuracy: 0 - 200%: ± 1% of reading. 200% - 500%: ± 10% Specific EC & Absolute EC Range: 0 - 200 mS/cm (0 - 200,000 ?S/cm) Resolution: 3 Auto-range scales: 0 - 9999?S/cm, 10.00 - 99.99 mS/cm, 100.0 - 200.0mS/cm Accuracy: ± 1% pH Range: 0 - 14 pH / ± 625mV Resolution: 0.01 pH / ± 0.1mV Accuracy: ± 0.1 pH / ± 5mV ORP Range: ± 2000mV Resolution: 0.1mV Accuracy: ± 5mV TDS Range: 0 - 100,000 mg/L (ppm) Resolution: 2 Auto-range scales:	1	

	0 -9999mg/L, 10.00 - 100.00g/L Accuracy: ± 1% Resistivity Range: 5 Ocm - 1 MOcm Resolution: 2 Auto-range scales: 5 - 9999Ocm, 10.0 - 1000.0 KOcm Accuracy: ± 1% Salinity Range: 0 - 70 PSU / 0 - 70.00 ppt (g/Kg) Resolution: 0.01 PSU / 0.01 ppt Accuracy: ± 1% SSG Range: 0 - 50 st Resolution: 0.1 st Accuracy: ± 1.0 st Temperature Range: -5°C - +50°C (23°F - 122°F) Resolution: 0.01° C/F Accuracy: ± 0.5° C Turbidity Range: 0-3000NTU Resolution: 2 Auto-range scales: 0.0 99.9 NTU, 100 - 3000 NTU		
2.1	Accuracy: ±2% AQUALOGGER-2000 AQUALOGGER-2000 item name : AP-2000 Logger to be used with the MAJI-500.	1	
3	to be used with the PRO2 sees 17344871 Thermo Scientific™ GLD Pro Gas Leak Detector Quickly locate and identify gas leaks in your GC instrument Gases: H, He and N, CO2, Ar	1	
5	WC152D/120/KIT Kit - Undergrad Stirrer Hotplate Digital, 120V, Ceramic p/n 04807-63 + temperature controller p/n 04	3	
5.1	ST800-30 ST630-12 Follower Bar Octagonal 13X8mm PK.2	3	

1	
X0 00 W	Received by: Dr. Osci A. hickory
Despatched by: WAGTECH GHANA	In good order/condition
	Signature: Amaha
In I Affango.	Date: 28 02 20 23
Signature	

UNIVERSITY FOR DEVELOPMENT STUDIES

OFFICE OF THE VACE-CHANCELLOR

Tel:03720936594037202207849372026634 Fax: 03720-22080

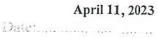
Website: www.uds.edu.gh Email: ve@uds.edu.gh

Your Refi.....

NR/UDS/WACWISA/GD/004/2023

r Ref:......

P. O. Box 1,150 Tamale, Ghana



The Manager
Wagtech Ghana Limited
Box AT 211
Accra

Dear Sir,

NOTIFICATION OF AWARD

This is to notify you that your Tender dated March 23, 2023 for execution of the contract for the Supply and Installation of Laboratory Equipment—Lot 1 (Contract No: NR/WACWISA/UDS/GS/004/2023), in the amount of Five Hundred and Forty Nine Thousand, One Hundred and Fourteen Ghana Cedis, Fifty Eight Pesewas (GHs 549,114.58) as corrected in accordance with the Instructions to Tenderers for delivery within Eight (8) weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of Fifty Four Thousand, Nine Hundred and Eleven Ghana Cedis, Forty Six Pesewas (GHs 54,911.46) and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.

Name and Title of Signatory: Prof. Seidu Al-hassan (Vice-Chancellor)

Name of Agency: University for Development Studies Address for Correspondence: Post Office Box 1350

Tamale, N/R Tel: 071-22078/26633/4

cc: The Pro Vice Chancellor, UDS
The Registrar, UDS
The Director, WPD, UDS
The Director of Finance, UDS
The Director, WACWISA, UDS
The Ag. Director of Internal Audit, UDS
The Director of Procurement, UDS
The Head of Stores, UDS



University For Development Studies (UDS) P.O. Box TL 1350 Tamale Plot 8, Justice. A. Brobbe, Ave. 2nd Street, New Achimota Mile7GW1108 Accra. P. O. Box AT 211 Achimota Market Mall Accra - Ghana Tel: +233 (0) 302-910 9: (0) 307-090 3; (0) 20-222 20; Tel/Fax: 0302 412 406

info@wagtech.com.gh georgek@wagtech.com.gh

Wagtech Ghana Ltd.

Date: 23rd March, 2023

IFT NO.: NR/UDS/WACWISA/GD/003/2023

Dear Sir,

PRICE SCHEDULE

We have the pleasure of enclosing our Price Schedule as specified in the Schedule of Requirements and in accordance with your instructions.

All our prices are quoted in Ghana Cedi (GH¢). Our prices are valid for 150 days after Tender validity.

Yours faithfully, For and on behalf of Wagtech Ghana Limited

Emmanuel Amankwah-Minkah Commercial Director

Duly authorized to sign Tender for and on behalf of WAGTECH (GH) LTD.

WAGTECH GHANA LIMITED
P. O BOX AT 211
ACHIMOTA
Enc. ACCRA - GHANA
TEL: 0302412406/0307090326
Email: Infommantach:com.dh

SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT PRICE SCHEDULE

Remarks 7 IFT No.: NR/UDS/WACWISA/GD/004/2023 Total Tender Price 10=(8+9) (∂H€) (GH¢) (Installation) Incidental Services & others **** 6 Total CIP Site 8=(6+7) (9H€) Destination Delivery to **Total Price of Inland (9Hg) Final * Total Price (GH¢) EXW 6 = (4x5)U/Price (GH¢) EXW 2 Qty Country Origin of NAME OF TENDERER: WAGTECH GHANA LIMITED Description 2 s è

	HM3000								1
Н	Trace2o Metalyser HM3000 - A	B	Н	283,618.52	283,618.52		283,618.52		283,618.52
	professional portable heavy metals						•		
	analysis system, combining the								
	reliable Metalyser handheld unit with								
	a high-quality waterproof 10 inch								
	tablet PC, offering enhanced levels of								
	precision and accuracy.								
	Compatible with the AquaSafe"		2000						
	Management System (ASMS).								`
	MAJI-500								
7	"Maji-500 portable multi-parameter	EU	-	71,208.65	71,208.65	ı	71,208.65	1	71,208.65
	Water Quality Kit for measuring 10								•
	standard parameters (including								
	Turbidity)								
	Supplied as a package including								
	Probe, GPS Maji-meter, tough 3m								
	meter cable, calibration solutions and								
	accessories All housed in a ringed								
	מכניביים בייו וויספים ווו מ ומפשבת								
	carry case for easy storage and								
	transport.								
	Standard parameter specifications:								
	Dissolved Oxygen (DO)					E			
	Range: 0 - 500.0% / 0 - 50.00 mg/L	4							21/
	Resolution: 0.1% / 0.01mg/L								

Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 23rd March, 2023

WAGTECH GHANA LIMITED
P. O BOX AT 211
ACHINOTA
ACKIA - GHANA
ACCIA - GHANA
TEL: 0302412406/0307090326
UDS-3224145885-810 EMBIE: info@waetech.com.ah

1 of 5

SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT PRICE SCHEDULE

Remarks 7 IFT No.: NR/UDS/WACWISA/GD/004/2023 Total Tender Price 10=(8+9) (GH¢) (GH¢) (Installation) Incidental Services & **** 6 Total CIP Site 8=(6+7) (GH¢) Delivery to Final Destination Price of **Total Inland (GH¢) * Total Price (GH¢) EXW 6 = (4x5)U/Price (GH¢) EXW 2 Qty 4 Country of Origin က NAME OF TENDERER: WAGTECH GHANA LIMITED Description N

					<u> </u>		
(44,241.43	68,990.51		347,192,30	87,598.26	26,203.70	252.59
	1.43	15.0		2.30	3.26	3.70	252.59
	44,241.43	68,990.51		347,192.30	87,598.26	26,203.70	25
	- 4			. 1		1	1
	44,241.43	68,990.51		347,192.30	87,598.26	26,203.70	252.59
	44,241.43	68,990.51		347,192,30	87,598.26	26,203.70	252 59
	1	1	275	I		1	را ج
	EU	EU		EU	EU	EU	E
(23°F - 122°F) Resolution: 0.01° C/F Accuracy: ± 0.5° C Turbidity Range: 0-3000NTU Resolution: 2 Auto-range scales: 0.0 99.9 NTU, 100 - 3000 NTU Accuracy: ±2%"	AQUALOGGER-2000 AQUALOGGER-2000 item name : AP-2000 Logger to be used with the MAJI-500.	17344871 Thermo Scientific [™] GLD Pro Gas Leak Detector	Quickly locate and identify gas leaks in your GC instrument Gases: H, He and N, CO2, Ar	CD650-57 Contribuge Hettich Rotina 380 Without Rotor 230V 50/60Hz	CD650-66 Swing-Out Rotor 4 X 100ml Max: Rpm/Rcf 5000/4863Xg	UC152D/120/KIT Kit - Undergrad Stirrer Hotplate Digital, 120V, Ceramic p/n 04807-63 + temperature controller p/n 04	ST800-30 Follower Retriever PP 300mm
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Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited

Date: 23rd March, 2023

ubs.3224148865-840EL: 03 02 41 24 06/03 07 09 03 2 8 WAGTECH GHANA LIMITED P, O BOX AT 211 ACHIMOTA

3 of 5

PRICE SCHEDULE

SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT

Remarks IFT No.: NR/UDS/WACWISA/GD/004/2023 Total Tender Price 10 = (8 + 9)(GH¢) Installation) Services & Incidental (GH¢) others **** 6 Total CIP Site 8=(6+7) (GH¢) Destination Delivery to Price of **Total (GH¢) Inland Final * Total Price (GH¢) EXW 6=(4x5) U/Price (GH¢) EXW 2 Qty 4 Country Origin of က NAME OF TENDERER: WAGTECH GHANA LIMITED TDS Range: 0 - 100,000 mg/L (ppm) reading. 200% - 500%: ± 10% Specific EC & Absolute EC Range: 0 - 200 mS/cm (0 - 200,000 Resolution: 2 Auto-range scales: 5 - 99990cm, 10.0 - 1000.0 KOcm Accuracy: ± 1% Salinity Range: 0 -Resolution: 3 Auto-range scales: 0 -Resolution: 2 Auto-range scales: 0 -Resistivity Range: 5 Ocm - 1 MOcm 3999?S/cm, 10.00 - 99.99 mS/cm, Resolution: 0.01 pH / \pm 0.1mV Accuracy: \pm 0.1 pH / \pm 5mV Accuracy: 0 - 200%: ± 1% of 9999mg/L, 10.00 - 100.00g/L Range: 0 - 14 pH / ± 625mV Description .00.0 -200.0mS/cm Accuracy: ± 1% pH Resolution: 0.1mV Range: ± 2000mV Accuracy: ± 5mV Accuracy: ± 1% S/cm) ORP

st Resolution: 0.1 st Accuracy: ± 1.0 st Temperature Range: -5°C - +50°C

Signed:

70 PSU / 0 - 70.00 ppt (g/Kg) Resolution: 0.01 PSU / 0.01 ppt Accuracy: ± 1% SSG Range: 0 - 50

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 23rd March, 2023

WAGTECH GHANALIMITED P. O BOX AT 211 ACHIMOTA

2 of 5

PRICE SCHEDULE

SUPPLY AND INSTALLATION OF LABORATORY EQUIPMENT

Remarks 7 IFT No.: NR/UDS/WACWISA/GD/004/2023 Total Tender Price 10=(8+9) (GH¢) Installation) Services & Incidental others (GH¢) **** 6 Total CIP Site 8=(6+7) Delivery to Destination Price of **Total Inland Final (GH¢) * Total Price (GH¢) EXW 6=(4x5) U/Price (GH¢) EXW 2 Qty 4 Country Origin of က NAME OF TENDERER: WAGTECH GHANA LIMITED Description 2 si è

~90 - 29	929,369.01	9,293.69	23,234.23	23,234.23	985,131.15	147,769.68	1,132,900.83	102.990.99
187.18	元の7元	4.84	217611	11,261.53	16:054,754	19.82714	5749 114.58	
189.18		(ETFUND 2.5%			
63.06 187.18	SUB-TOTAL (A)	1% COVID-19 Health Recovery Levy (CRL)	NHIL 2.5%	GETFUND 2.5%	SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%	15%VAT	AL = SUB-TOTAL B + 15%VAT	DOLLAR EQUIVALENT (RATE 11)
EU 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<i>(</i>	1% COVID-19		,	FAL B (SUB-TOTAL (GRAND TOTAL	DOLLAR
ST630-12 5.2 Follower Bar Octagonal 13X8mm PK.2					SUB TOT			
5.2								

SUB TOTAL B (SUB-TOTAL (A)+CRL 1%+NHIL 2.5%+GETFUND 2.5%: (GH¢ 985,131.15) In words: Nine Hundred and Eighty-Three Thousand, One Hundred and SUB-TOTAL (A): (GH¢ 929,369.01) In words: Nine Hundred and Twenty-Nine Thousand, Three Hundred and Sixty-Nine Ghana Cedis One Pesewa 1% COVID-19 Health Recovery Levy (CRL): (GH¢ 9,293.69) In words: Nine Thousand, Two Hundred and Ninety-Three Ghana Cedis Sixty-Nine Pesewas GETFUND 2.5%: (GH¢ 23,234.23) In words: Twenty-Three Thousand, Two Hundred and Twenty-Three Ghana Cedis Twenty-Three Pesewas NHIL 2.5%: (GH¢ 23,234.23) In words: Twenty-Three Thousand, Two Hundred and Twenty-Three Ghana Cedis Twenty-Three Pesewas

GRAND TOTAL = SUB-TOTAL B + 12.5%VAT: (GH¢ 1,132,900.83) In words: One Million, One Hundred Thirty-Two Thousand, Nine Hundred Ghana Cedis Eighty-12.5%VAT: (GH¢ 147,769.68) In words: One Hundred and Forty-Seven Thousand, Seven Hundred and Sixty-Nine Ghana Cedis Sixty-Eight Pesewas Three Pesewas

Thirty-One Ghana Cedis Fifteen Pesewas

DOLLAR EQUIVALENT GRAND TOTAL = (USD 102,990.99) In words: One Hundred and Two Thousand, Nine Hundred and Ninety Dollars and Ninety-Nine Cents

Signed:

Emmanuel Amankwah-Minkah, Commercial Director For and on behalf of Wagtech Ghana Limited Date: 23rd March, 2023

TEL: 0302412406/0307090326 WAGTECH GHANA LIMITED P. O BOX AT 211 ACHIMOTA ACCRA - GHANA UDS-32241-45965-sleo

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Contract Form

WHEREAS the Purchaser invited Tenders for certain goods and ancillary services, viz. Supply and Installation of Laboratory Equipment – Lot 1 and has accepted a Tender by the Supplier for the supply of those goods and services in the sum of Five Hundred and Forty Nine Thousand, One Hundred and Fourteen Chana Cedis, Forty Six Pesewas (GHs 549,114.46) (hereafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract;
 - (f) the Purchaser's Notification of Award; and
 - (g) Contract Data Sheet
- In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

On behalf of the Purchaser

Name:

Prof. Seidu Al-hassan

Signature:

Designation: Vice-Chancellor

Seal:

THE VICE CHANCELLOR University for Dev. Studies

P. O. BOX TL 1350

Date:

Witnessed By:

Name:

Ing. Samuel B. Abiko

Signature:

Designation: Director, WPD

Date: 22/06/2023

WORK & PHYSICAL DEV T UNIVERSITY FOR DEV. STUDI

1350 TAMALE

On behalf of the Supplier

Name: REURAE

KORANKYE

Signature: (

Designation: MANAGIRG

DIRECTOR.

Seal:

WAGTECH GHANA LIMITED P. O. BOX AT 211, ACHIMOTA

ACGRA - GHANA

TEL: 0302412406/0307090326

Email: Info@wagtech.com.n.

Witnessed by:

Name: Emmanuel A - Minkal

Signature:

Designation:

Commercial Breedos

Date: 92/06/2023