### **Bid Supplement Abstract**

Reference Number

12327954

Title

Procurement of Biotechnology Natural Products Laboratory Equipment for the Establishment of Biotech Laboratory at

Talisay Campus

Category

Laboratory Supplies and Equipment

Type

Addendum

Bid Supplement No.

12327954-01

Title

Addendum No. 1

Area of Delievery/Location

Negros Occidental

Delivery Period/Contract Duration

Contact Person

Rowena De la Vida Prado

Description

Please see attached Bid Supplement, Revised BOQ, Sched. of Requirements and Tech. Specs.

Note: Click the document name to view the attachment.

	Document Type		
Revised Bill of Quantities	Electronic	Supporting Documents	Legal 8.5 x 14
Revised Technical Specifications	Electronic	Specifications	Legal 8.5 x 14
Addendum No. 1	Electronic	Bid Bulletin	A4
Revised Schedules of Requirements	Electronic	Supporting Documents	Legal 8.5 x 14

#### Back

The PhilGEPS team is not responsible for any typographical errors or misinformation presented in the system. PhilGEPS only displays information provided for by its clients, and any queries regarding the postings should be directed to the contact person/s of the concerned party.

© 2004-2025 DBM Procurement Service. All rights reserved.

Help | Contact Us | Sitemap



## **Carlos Hilado Memorial State University**

Alijis Campus · Binalbagan Campus · Fortune Towne Campus · Talisay (Main) Campus A leading GREEN institution of higher learning in the global community by 2030

### **Bids and Awards Committee**

SUPPLEMENTAL/BID BULLETIN ADDENDUM NO. 1 12327954/CHMSU 26-001-0819-G September 1, 2025

This Addendum No. 1 is issued for clarification of Bidders with regard to the specifications of bidding documents for the Procurement of Biotechnology Natural Products Laboratory Equipment for the Establishment of Biotech Laboratory at Talisay Campus per Reference Number 12327954/CHMSU 26-001-0819-G. This shall form an integral part of the Documents.

PA	RTICULARS	
(AS	PUBLISHED)	

# BILL OF QUANTITIES, TECHNICAL SPECIFICATIONS & SCHEDULE OF REQUIREMENTS

### THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KIT

Dimensions (L x W x H) in mm: 430 x 260 x

200

Weight: 11.8 kg

### 2. GEL DOCUMENTATION SYSTEM

Dimensions (HxWxH) 75x31x45 cm Weight (kg) 20

### NOTE:

Supplier must provide:

- Proof of conformity to quality standards (Certificate of ISO 19001/14001/45001 and CE certificate of the product)
- 2. At least one (1) hard copy and soft copy of the product manual.
- After-sales technical support, onsite visit and troubleshooting in case of malfunctions.
- 4. Delivery period: 90 days

## RECTIFICATION (SHOULD BE)

BILL OF QUANTITIES, TECHNICAL SPECIFICATIONS & SCHEDULE OF REQUIREMENTS

### THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KIT

Dimensions (L x W x H) in mm: 430 x 260 x

200 or manufacturer standard

Weight: 11.8 kg or manufacturer standard

### 2. GEL DOCUMENTATION SYSTEM

Dimensions (HxWxH) 75x31x45 cm or manufacturer standard Weight (kg) 20 or manufacturer standard

#### NOTE:

Supplier must provide:

- Proof of conformity to quality standards (Certificate of ISO 19001/14001/45001 and CE certificate of the product)
- At least one (1) hard copy and soft copy of the product manual.
- After-sales technical support, onsite visit and troubleshooting in case of malfunctions.



M bac.sec@chmsc.edu.ph

(034) 712 0005 local 142

chmsc.edu.ph

GREEN CHMSU EXCELSIOR!

Excellence - Compassion - Environmentalism - Love of Country - Social Responsibility - Intensity - Opening - Constant



## **Carlos Hilado Memorial State University**

Alijis Campus · Binalbagan Campus · Fortune Towne Campus · Talisay (Main) Campus A leading GREEN institution of higher learning in the global community by 2030

### **Bids and Awards Committee**

- 4. Delivery period: 90 days
- Calibration Certificate and Product Manuals upon delivery
- 6. Original Product Brochure or Product link in the Technical Specifications
- In case of online submission, proof of shipment of hardcopies (original copy, copies 1 and 2, and soft copy) must be submitted through the email address indicated in the Invitation to Bid.

For guidance and information of all concerned.

For the BAC:

ATTY. PCCI L. SIASON BAC ice-Chairperson











Excellence - Compassion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Environmentalism - Love of Country - Social Responsibility - Intensity - Occasion - Country - Social Responsibility - Intensity - Occasion - Country - C



## CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental
Tel. Nos.: (034) 454-0529; 454-0584 Local 142
Mobile No.: 0920-5833046

Project Reference No: CHMSU 26-001-0819-G

Name of the Project: PROCUREMENT OF BIOTECHNOLOGY-NATURAL PRODUCTS LABORATORY EQUIPMENT

FOR THE ESTABLISHMENT OF BIOTECH LABORATORY

Location of the Project: TALISAY CAMPUS

Page 1 of 3

## BILL OF QUANTITIES

Date:	
-------	--

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
			ONE (1) LOT		
1	1	unit	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI		
			Android driven HD touchscreen.		
			Automated protocol optimisation with Program Wizard.		
			Remote run and system monitoring via the Alpha Track Application		
			Authorize any USB drive to be the user's login key.		
			Lock, protect and create favourite programs for ease of access and		
			Block Options: 96 well format		
			Maximum heating rate: 3.4°C per second		
			Block temperature range: 10°C to 100°C (4°C final hold)		
			Block uniformity at 55°C: ± 0.3°C		
			Temperature accuracy at 55°C:± 0.25°C		
			Gradient: Yes		
			Maximum Gradient:29°C		
			Minimum Gradient: 1°C		
			Maximum number of programs stored:1000		
			Maximum fan noise: 50dB		
			Adjustable heated lid temperature: 35°C to 115°C or off		
			Heated lid pressure: Adjustable		
			Software platform: Android		
20.000			Program interface: 7" inch HD		
			Data transfer:USB Port		
			Auto re-start on power failure: Yes		
			Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer		
			standard		
			Weight: 11.8 kg or manufacturer standard		
			Voltage: 100-230, 50-60Hz		
			Power: 450 W		
			Electricity (standard 30 cycle program) 0.3 kWh		
			Includes: PCR kit with 200 reactions and compatible AVR		
			(minimum 1000W)		***
			With a one-year warranty and product training for the faculty		
			, and product desired to the country		
2	1	unit	GEL DOCUMENTATION SYSTEM		
			Image Resolution 5 MP	<del>-</del>	
			Bit Depth 12/16 Bit		**
			Dynamic Range 3.6/ 4.8 OD		
			Lens 6.5-3.9 F/ 1.4		
			Max Sample Size 20 x 24 cm		
			Sensor 1/ 2.5 inch		
			Dimensions (HxWxD) 75x31x45 cm or manufacturer standard		
			Weight (kg) 20 or manufacturer standard		

Signature of Bidder	
Name of Firm	
Date	



## CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental
Tel. Nos.: (034) 454-0529; 454-0584 Local 142
Mobile No.: 0920-5833046

Project Reference No: CHMSU 26-001-0819-G

Name of the Project: PROCUREMENT OF BIOTECHNOLOGY-NATURAL PRODUCTS LABORATORY EQUIPMENT

FOR THE ESTABLISHMENT OF BIOTECH LABORATORY

Location of the Project: TALISAY CAMPUS

page 2 of 3

### BILL OF QUANTITIES

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	<b>Total Price</b>
			Illumination – White Epi		
			Lens F/14 motor driven zoom lens		
			Safety Switch Override UV Protects from accidental UV Exposure		
			when opening the door		
			Hinged Door Easy access to the dark room		
			Internal Lightning Internal LED white light for ease sample		
			positioning		
			Transilluminator (optional) slides in and out with autoshut off.		
			Offers UV transilluminator options, a UV-Blue light		
			converter screen, and a visible light converter		
			for imaging a variety of dyes, including Ethidium		
			Bromide, SYBR dyes, Coomassie Blue, and silver		
			stain. Optional overhead LED white lighting		
			simplifies sample positioning and focusing		
			Includes: Compatible AVR (minimum 1000W)		
			With a one-year warranty and product training for the faculty		
3	1	unit	MICROCENTRIFUGE	-	
		unit			
			Maximum rpm/RCF 15,000 rpm/15,000 xg		·
_			Speed Setting Variable, 500 rpm to 15,000 rpm Included Rotor 12 Place 1.5 mL/2.0 mL Microcentrifuge Tubes		
			Optional PCR Tube Rotor PCR Strip Rotor (2 x 8 x 0.2 mL)	+	
			Tube Adapters Reduction Adaptors for 0.4 mL/0.5 mL Tubes		
			Programmable Yes; USB Connectivity for Data Log and Remote	+	***************************************
			Operation Programming	+	
			Timer Setting Countdown Timer from 1 Minute to 999 Minutes	+	
			Motor Type Brushless DC (BLDC) Motor	+	
			Display: Large LCD Display	+	
			With imbalance Detection	++	
-			Noise Level <60 dB	<del> </del>	
			Includes low speed centrifuge for PCR tubes	<del>                                     </del>	
			Speed rpm/RCF 6,000 rpm/2,000 x g	++	
			Capacity 8 Place Magnetic Closed Rotor, 1.5 mL/2.0 mL	<del> </del>	
-			Microcentrifuge Tubes	<del> </del>	
			Maria Ma	+	
-			Tube Adapters for 0.2 ml/0.5 mL Microtubes Electronic Safety Brake: Yes	+	
			Rotor included	+	
			Accessories:	+	
-			compatible AVR (min 500W), tubes (0.2mL-2mL), rotors, rotors	+	
			adapters (for different tubes sizes/formats), tube racks	+	
			With a one-year warranty and product training for the faculty		

2000



## CARLOS HILADO MEMORIAL STATE UNIVERSITY BIDS AND AWARDS COMMITTEE

Talisay City, Negros Occidental
Tel. Nos.: (034) 454-0529; 454-0584 Local 142
Mobile No.: 0920-5833046

Project Reference No:

CHMSU 26-001-0819-G

Name of the Project:

PROCUREMENT OF BIOTECHNOLOGY-NATURAL PRODUCTS LABORATORY EQUIPMENT

FOR THE ESTABLISHMENT OF BIOTECH LABORATORY

Location of the Project: TALISAY CAMPUS

TALISAY CAMPUS
REVISED

page

page 3 of 3

Date: \_\_\_\_

### BILL OF QUANTITIES

Item No.	Qty	Unit	ARTICLES and DESCRIPTION	Unit Price	Total Price
4	2	unit	VORTEX MIXER		
			Speed Range 200 rpm to 4200 rpm		
			Modes Touch, Continuous, and Pulse Mode		
			Timer Function 1 Minute to 999 Minutes and Infinite Mode		
			With Digital Display		
			Motor Type Brushless DC (BLDC) Motor		
			Orbital Diameter: 3.6mm to 6mm		
			Max. Load Capacity 500g		
			Accessories:		
			AVR (min 500W), tube holders, platforms		
			With a one-year warranty and product training for the faculty		
5	1	set	DIDETTE CET (2DCC/CET)	-	
		Set	Volumes :		
			0.1-2.5µl	<del></del>	
			0.5-10 µl		
			2-20 µl	+	
		-	5-50 µl	+	
			10-100 µl		
			Autoclavable	+	
			Inclusion: Stand, tips		
			and the second of the second o	<del>                                     </del>	
			NOTE:		
			Supplier must provide:		
			Proof of conformity to quality standards (Certificate of ISO		
			19001/14001/45001 and CE certificate of the product)		
			2. At least one (1) hard copy and soft copu of the product		
			manual.		
			3. After-sales technical support, onsite visit and troubleshooting		
			in case of malfunctions.		
			4. Delivery period: 90 days		
			5. Calibration Certificate and Product Manuals upon delivery		
			6. Original Product Brochure or Product link in the		
			Technical Specifications		
			7. In case of online submission, proof of shipment of hardcopies		
			(original copy, copies 1 and 2, and soft copy) must be		
			submitted through the email address indicated in the		
			Invitation to Bid.		
			-x-x-x-x-x-x-x-x-x-x-x-nothing follows-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x		
			ABC = Php 2,050,000.00		
			PR # 26-001-0806 08-06-2025/R. Acanto		
			MDS 001-101-26-01 01-02-2026	1	

Signature of Bidder	
Name of Firm	
Date	

## Section VI. Schedules of Requirements

### REVISED

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item #	Description	Quantity	Total	Delivered, Weeks/Months
	ONE (1) LOT			- WOOKO/MOTHER
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KIT	1	1	
	Android driven HD touchscreen.			
	Automated protocol optimisation with Program Wizard.			
	Remote run and system monitoring via the Alpha Track Application			
	Authorize any USB drive to be the user's login key.			
	Lock, protect and create favourite programs for ease of access and security.			
	Block Options: 96 well format			
	Maximum heating rate: 3.4°C per second			
	Block temperature range: 10°C to 100°C (4°C final hold)			
	Block uniformity at 55°C: ± 0.3°C	1		
	Temperature accuracy at 55°C:± 0.25°C	1 1		
	Gradient: Yes			
	Maximum Gradient:29°C			
	Minimum Gradient: 1°C	1 1		
	Maximum number of programs stored:1000			
	Maximum fan noise: 50dB	++		
	Adjustable heated lid temperature: 35°C to 115°C or off	1		<del></del>
	Heated lid pressure: Adjustable			
	Software platform: Android	++		
	Program interface: 7" inch HD	+		
	Data transfer:USB Port	++		
	Auto re-start on power failure: Yes	++		
	Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer standard	++		<b></b>
		++		
	Weight: 11.8 kg or manufacturer standard			
	Voltage: 100-230, 50-60Hz	+		
	Power: 450 W			
	Electricity (standard 30 cycle program) 0.3 kWh			
	Includes: PCR kit with 200 reactions and compatible AVR			
	(minimum 1000W)			
	With a one-year warranty and product training for the faculty			
_	CEL DAGUNENEL PLANT CHECK			
2	GEL DOCUMENTATION SYSTEM	1	1	
	Image Resolution 5 MP			
	Bit Depth 12/16 Bit			
	Dynamic Range 3.6/ 4.8 OD			
	Lens 6.5-3.9 F/ 1.4			
	Max Sample Size 20 x 24 cm			
	Sensor 1/ 2.5 inch			
	Dimensions (HxWxD) 75x31x45 cm or manufacturer standard			
	Weight (kg) 20 or manufacturer standard			
	Illumination – White Epi			
	Lens F/14 motor driven zoom lens			
	Safety Switch Override UV Protects from accidental UV Exposure			
	when opening the door			
	Hinged Door Easy access to the dark room			
	Internal Lightning Internal LED white light for ease sample			
	positioning			
	Transilluminator (optional) slides in and out with autoshut off.	T		
	Offers UV transilluminator options, a UV-Blue light	1		
	converter screen, and a visible light converter	1		
	for imaging a variety of dyes, including Ethidium	1		
	Bromide, SYBR dyes, Coomassie Blue, and silver	1		
	stain. Optional overhead LED white lighting	+		
	simplifies sample positioning and focusing	+		
	Includes: Compatible AVR (minimum 1000W)	+		
	With a one-year warranty and product training for the faculty	+		
	There a one year warrancy and product training for the faculty	+		
_ 1				
3	MICROCENTRIFUGE	1 1	1	

			Y
Speed Setting Variable, 500 rpm to 15,000 rpm			
Included Rotor 12 Place 1.5 mL/2.0 mL Microcentrifuge Tubes			
Optional PCR Tube Rotor PCR Strip Rotor (2 x 8 x 0.2 mL)			
Tube Adapters Reduction Adaptors for 0.4 mL/0.5 mL Tubes			
Programmable Yes; USB Connectivity for Data Log and Remote			
Operation Programming			
Timer Setting Countdown Timer from 1 Minute to 999 Minutes			
Motor Type Brushless DC (BLDC) Motor		+	<del> </del>
Display: Large LCD Display		+	<del> </del>
With imbalance Detection			
Noise Level <60 dB			
Includes low speed centrifuge for PCR tubes			
Speed rpm/RCF 6,000 rpm/2,000 x g			
Capacity 8 Place Magnetic Closed Rotor, 1.5 mL/2.0 mL			
Microcentrifuge Tubes		<b>—</b>	
Tube Adapters for 0.2 ml/0.5 mL Microtubes		<del>                                     </del>	
Electronic Safety Brake: Yes		<del> </del>	
Rotor included			
Accessories:			
compatible AVR (min 500W), tubes (0.2mL-2mL), rotors, rotors			
adapters (for different tubes sizes/formats), tube racks			
With a one-year warranty and product training for the faculty		T	
VORTEX MIXER	2	2	<b></b>
Speed Range 200 rpm to 4200 rpm	<del></del>		<del> </del>
		+	<del> </del>
Modes Touch, Continuous, and Pulse Mode			
Timer Function 1 Minute to 999 Minutes and Infinite Mode			
With Digital Display			
Motor Type Brushless DC (BLDC) Motor			
Orbital Diameter: 3.6mm to 6mm			
Max. Load Capacity 500g			
Accessories:			
AVR (min 500W), tube holders, platforms		<del> </del>	-
With a one-year warranty and product training for the faculty		<del> </del>	
With a one-year warranty and product training for the faculty		-	
DIRECTE CET (DRCC (CET)		ļ	
PIPETTE SET (2PCS/SET)	1	1	
Volumes :			
0.1-2.5µl			
0.5-10 µl			
2-20 µl			
5-50 µl		<u> </u>	
10-100 µl		<del> </del>	
Autoclavable		<del> </del>	
Inclusion: Stand, tips			
NOTE:			
Supplier must provide:			1
Proof of conformity to quality standards (Certificate of ISO			
19001/14001/45001 and CE certificate of the product)			
2. At least one (1) hard copy and soft copu of the product manual.		<del> </del>	
3. After-sales technical support, onsite visit and troubleshooting		<del> </del>	
	-		
in case of malfunctions.		-	
4. Delivery period: 90 days			
5. Calibration Certificate and Product Manuals upon delivery			
5. Calibration Certificate and Product Manuals upon delivery			
<ul><li>5. Calibration Certificate and Product Manuals upon delivery</li><li>6. Original Product Brochure or Product link in the Technical Specifications</li></ul>			
<ul> <li>5. Calibration Certificate and Product Manuals upon delivery</li> <li>6. Original Product Brochure or Product link in the Technical Specifications</li> <li>7. In case of online submission, proof of shipment of hardcopies</li> </ul>			
<ul> <li>5. Calibration Certificate and Product Manuals upon delivery</li> <li>6. Original Product Brochure or Product link in the Technical Specifications</li> <li>7. In case of online submission, proof of shipment of hardcopies (original copy, copies 1 and 2, and soft copy) must be</li> </ul>			
<ul> <li>5. Calibration Certificate and Product Manuals upon delivery</li> <li>6. Original Product Brochure or Product link in the Technical Specifications</li> <li>7. In case of online submission, proof of shipment of hardcopies (original copy, copies 1 and 2, and soft copy) must be submitted through the email address indicated in the</li> </ul>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> </ol>			
<ul> <li>5. Calibration Certificate and Product Manuals upon delivery</li> <li>6. Original Product Brochure or Product link in the Technical Specifications</li> <li>7. In case of online submission, proof of shipment of hardcopies (original copy, copies 1 and 2, and soft copy) must be submitted through the email address indicated in the</li> </ul>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> <li>-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x</li></ol>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.         -x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x</li></ol>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> <li>-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x</li></ol>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> <li>-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X</li></ol>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> <li>-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X</li></ol>			
<ol> <li>Calibration Certificate and Product Manuals upon delivery</li> <li>Original Product Brochure or Product link in the         Technical Specifications     </li> <li>In case of online submission, proof of shipment of hardcopies         (original copy, copies 1 and 2, and soft copy) must be         submitted through the email address indicated in the         Invitation to Bid.     </li> <li>-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X</li></ol>			

## Section VII. Technical Specifications

REVISED

Item	Specification	Statement of Compliance
	- Posmounon	Bidders must state here either
		"Comply" or "Not Comply" against
		each of the individual parameters of
		each Specification stating the
		corresponding performance parameter
		of the equipment offered. Statements
		of "Comply" or "Not Comply" must be
		supported by evidence in a Bidders Bid
		and cross-referenced to that evidence.
		Evidence shall be in the form of
		manufacturer's un-amended sales
		literature, unconditional statements
		of specification and compliance issued
		by the manufacturer, samples,
		independent test data etc., as
		appropriate. A statement that is not
		supported by evidence or is subse-
		quently found to be contradicted by the
		evidence presented will render the Bid
		under evaluation liable for rejection.  A statement either in the Bidders
		statement of compliance or the
		supporting evidence that is found to be
		false either during Bid evaluation, post-
		qualification or the execution of the
		Contract may be regarded as fraudulent
		and render the Bidder or supplier liable
		for prosecution subject to the provisions
		of ITB Clause 3.1(a.2) and/or GCC
	ONE (4) 1 OF	Clause 2.1(a.2).
1	ONE (1) LOT THERMAL CYCLER (DCR MACHINE) WITH DCR DEACTION KI	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard.	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold)	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second  Block temperature range: 10°C to 100°C (4°C final hold)  Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C:± 0.25°C	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient:29°C	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 1°C Maximum number of programs stored:1000	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB Adjustable heated lid temperature: 35°C to 115°C or off	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable	T
1	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB Adjustable heated lid temperature: 35°C to 115°C or off	T
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C:± 0.25°C Gradient: Yes Maximum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable Software platform: Android	T
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen. Automated protocol optimisation with Program Wizard. Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key. Lock, protect and create favourite programs for ease of access and Block Options: 96 well format Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C Temperature accuracy at 55°C: ± 0.25°C Gradient: Yes Maximum Gradient: 29°C Minimum Gradient: 1°C Maximum number of programs stored:1000 Maximum fan noise: 50dB Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable Software platform: Android Program interface: 7" inch HD Data transfer:USB Port Auto re-start on power failure: Yes	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold)  Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C:± 0.25°C  Gradient: Yes  Maximum Gradient: 29°C  Minimum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer start	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C: ± 0.25°C  Gradient: Yes  Maximum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer star  Weight: 11.8 kg or manufacturer standard	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second  Block temperature range: 10°C to 100°C (4°C final hold)  Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C: ± 0.25°C  Gradient: Yes  Maximum Gradient: 1°C  Maximum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off  Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer star  Weight: 11.8 kg or manufacturer standard  Voltage: 100-230, 50-60Hz	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C:± 0.25°C  Gradient: Yes  Maximum Gradient: 29°C  Minimum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer start  Weight: 11.8 kg or manufacturer standard  Voltage: 100-230, 50-60Hz  Power: 450 W	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C:± 0.25°C  Gradient: Yes  Maximum Gradient: 29°C  Minimum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer state Weight: 11.8 kg or manufacturer standard  Voltage: 100-230, 50-60Hz  Power: 450 W  Electricity (standard 30 cycle program) 0.3 kWh	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C: ± 0.25°C  Gradient: Yes  Maximum Gradient: 29°C  Minimum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer state Weight: 11.8 kg or manufacturer standard  Voltage: 100-230, 50-60Hz  Power: 450 W  Electricity (standard 30 cycle program) 0.3 kWh  Includes: PCR kit with 200 reactions and compatible AVR	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KITANDROID AND AND AND AND AND AND AND AND AND AN	
	THERMAL CYCLER (PCR MACHINE) WITH PCR REACTION KI Android driven HD touchscreen.  Automated protocol optimisation with Program Wizard.  Remote run and system monitoring via the Alpha Track Application Authorize any USB drive to be the user's login key.  Lock, protect and create favourite programs for ease of access and Block Options: 96 well format  Maximum heating rate: 3.4°C per second Block temperature range: 10°C to 100°C (4°C final hold) Block uniformity at 55°C: ± 0.3°C  Temperature accuracy at 55°C: ± 0.25°C  Gradient: Yes  Maximum Gradient: 29°C  Minimum Gradient: 1°C  Maximum number of programs stored:1000  Maximum fan noise: 50dB  Adjustable heated lid temperature: 35°C to 115°C or off Heated lid pressure: Adjustable  Software platform: Android  Program interface: 7" inch HD  Data transfer:USB Port  Auto re-start on power failure: Yes  Dimensions (L x W x H) in mm: 430 x 260 x 200 or manufacturer state Weight: 11.8 kg or manufacturer standard  Voltage: 100-230, 50-60Hz  Power: 450 W  Electricity (standard 30 cycle program) 0.3 kWh  Includes: PCR kit with 200 reactions and compatible AVR	

2	GEL DOCUMENTATION SYSTEM	
	Image Resolution 5 MP	
	Bit Depth 12/16 Bit	
	Dynamic Range 3.6/ 4.8 OD	
	Lens 6.5-3.9 F/ 1.4	
	Max Sample Size 20 x 24 cm	
	Sensor 1/ 2.5 inch	<del> </del>
_	Dimensions (HxWxD) 75x31x45 cm or manufacturer standard Weight (kg) 20 or manufacturer standard	
	Illumination – White Epi	
	Lens F/14 motor driven zoom lens	
	Safety Switch Override UV Protects from accidental UV Exposure	
_	when opening the door	
	Hinged Door Easy access to the dark room	
	Internal Lightning Internal LED white light for ease sample	
	positioning	
	Transilluminator (optional) slides in and out with autoshut off.	
	Offers UV transilluminator options, a UV-Blue light	
	converter screen, and a visible light converter	
	for imaging a variety of dyes, including Ethidium	
	Bromide, SYBR dyes, Coomassie Blue, and silver	
	stain. Optional overhead LED white lighting	
	simplifies sample positioning and focusing	
	Includes: Compatible AVR (minimum 1000W)	
	With a one-year warranty and product training for the faculty	
3	MICROCENTRIFUGE	
	Maximum rpm/RCF 15,000 rpm/15,000 xg	
	Speed Setting Variable, 500 rpm to 15,000 rpm	
	Included Rotor 12 Place 1.5 mL/2.0 mL Microcentrifuge Tubes	¥
	Optional PCR Tube Rotor PCR Strip Rotor (2 x 8 x 0.2 mL)	
	Tube Adapters Reduction Adaptors for 0.4 mL/0.5 mL Tubes	
	Programmable Yes; USB Connectivity for Data Log and Remote	
	Operation Programming	
	Timer Setting Countdown Timer from 1 Minute to 999 Minutes	
	Motor Type Brushless DC (BLDC) Motor	
	Display: Large LCD Display	
	With imbalance Detection	
	Noise Level <60 dB	
	Includes low speed centrifuge for PCR tubes	
	Speed rpm/RCF 6,000 rpm/2,000 x g	
	Capacity 8 Place Magnetic Closed Rotor, 1.5 mL/2.0 mL	
	Microcentrifuge Tubes	
	Tube Adapters for 0.2 ml/0.5 mL Microtubes	
	Electronic Safety Brake: Yes Rotor included	
	Accessories:	
	compatible AVR (min 500W), tubes (0.2mL-2mL), rotors, rotors	
	adapters (for different tubes sizes/formats), tube racks	<del> </del>
	With a one-year warranty and product training for the faculty	
	what a one-year warranty and product training for the faculty	
4	VORTEX MIXER	<del> </del>
	Speed Range 200 rpm to 4200 rpm	<del> </del>
	Modes Touch, Continuous, and Pulse Mode	
	Timer Function 1 Minute to 999 Minutes and Infinite Mode	
	With Digital Display	
	Motor Type Brushless DC (BLDC) Motor	
	Orbital Diameter: 3.6mm to 6mm	
	Max. Load Capacity 500g	
	Accessories:	
	AVR (min 500W), tube holders, platforms	
	With a one-year warranty and product training for the faculty	
	, and a second	
5	PIPETTE SET (2PCS/SET)	
	Volumes :	
	0.1-2.5µl	

0.5-10 μl	
2-20 µl	
5-50 µl	
10-100 µl	
Autoclavable	
Inclusion: Stand, tips	
NOTE:	
Supplier must provide:	
<ol> <li>Proof of conformity to quality standards (Certificate of ISO</li> </ol>	
19001/14001/45001 and CE certificate of the product)	
2. At least one (1) hard copy and soft copu of the product manual.	
3. After-sales technical support, onsite visit and troubleshooting	2
in case of malfunctions.	
4. Delivery period: 90 days	
5. Calibration Certificate and Product Manuals upon delivery	
6. Original Product Brochure or Product link in the	
Technical Specifications	
7. In case of online submission, proof of shipment of hardcopies	
(original copy, copies 1 and 2, and soft copy) must be	
submitted through the email address indicated in the	
Invitation to Bid.	
-X-X-X-X-X-X-X-X-X-X-X-x-nothing follows-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x	
ADO DI DOTO DO	
ABC = Php 2,050,000.00	
PR # 26-001-0806 08-06-2025/R. Acanto	,