


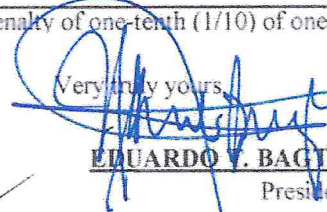
Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

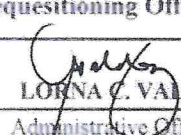
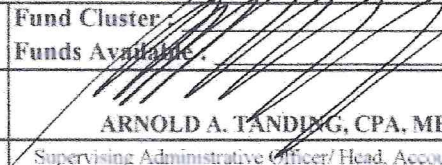
Supplier : STATE ALLIANCE ENTERPRISES INC.	P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date : February 19, 2024
TIN : 002-644-279-00000	Mode of Procurement : PUBLIC BIDDING
Requisitioning Unit/Department: CEIT-RESEARCH	

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus	Delivery Term : FOB DESTINATION
Date of Delivery : 105 calendar days after the receipt of PO by the supplier	Payment Term :

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	unit	Concrete test hammer 1. Measuring ranges: 10-70MPa 2. Impact energy: 2.207J 3. Spring constant: 785N/m Spring extension: 75mm 4. The average rebound values on steel anvil: 80±2 5. Needle length: 20.0±0.2mm	1	50,000.00	50,000.00
2	unit	Concrete Core Drilling Machine, STHZ-15A Max. drilling diameter: Φ150mm Max. drilling depth: 400mm Motor power: 2KW Motor voltage: AC220V	1	220,000.00	220,000.00
3	unit	Liquid Limit Devices: (Casagrande Method), STDS-1 Standards: BS 1377:2, ENV 1997-2, ASTM D4318, AASHTO T69 Comprises: Consists of a removable brass cup, adjustable crank, mechanical blow counter, and base. MOTORIZED TYPE	1	250,000.00	250,000.00
4	unit	High-frequency seismic screen machines, STSJ-4A Specification: Application: used to grading analysis of non-cohesive grain soil materials Vibration frequency: 42HZ Vibration mode: Upper and down vibration Vibration amplitude: 1.5 mm Regular time: 0-60 min may choose Vibrating motor power: AC220V, 25W sieve specifications: 200*50mm (9 level) or 300*75mm(7level)	1	240,000.00	240,000.00
PAGE 1 OF 23			SUBTOTAL		760,000.00

(Total Amount in Words)	
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.	
Conforme:	Very truly yours,
 JOSE P. MANDURIZ UM Signature over Printed Name of Supplier Date: FEB 26, 2024	 EDUARDO V. BACTANG, CPA, DBM President

Requisitioning Office/Dep't	Fund Cluster:	ORS/BURS No. :
	Funds Available :	Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
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Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
5	set	Standard Sieves with chromeplated iron frame, 3360 Aggregate Sieve Specification 0.075mm,0.15mm,0.3mm,0.6mm,1.18mm,2.36mm,4.75mm, 9.5mm,13.2mm,13mm,19mm,26.5mm,31.5mm,37.5mm,53m m,pan and cover,total 16pcs Dia 300mm	2	90,000.00	180,000.00
6	sets	Standard Sieves with chromeplated iron frame, 3361 Soil Sieve Specification: 0.075mm, 0.1mm, 0.25mm,0.5mm,1mm, 2mm, 5mm, 10mm, 20mm pan and cover, total 10pcs	2	52,000.00	104,000.00
7	unit	Strain Direct Shear Testing Apparatus (2-speeds), EDJ-1 Specification: 1. Area of the soil sample:30cm2 2. Vertical loading: 50,100,200,300,400(KPa) 3. Max. horizontal loading: 1.2kN 4. Shear rate: 0.02, 0.8, 2.4mm/min 5. Handwheel speed: 0.1, 4, 12mm/min	1	300,000.00	300,000.00
8	unit	30KN Triaxial Testing machine(Main frame&controller), STSZ-2 Technical parameters: 1. Specimen size: Φ39.1×80mm 2. Lift speed range(mm/min): 0.003, 0.006, 0.008, 0.012, 0.020, 0.030, 0.040, 0.050, 0.060, 0.070, 0.080, 0.090, 0.100, 0.200, 0.300, 0.400, 0.500, 0.600, 0.700, 0.800, 0.900, 1.000, 3.000 3. Max. Stroke: 50mm 4. Axial displacement range: 0-30mm 5. Dimensions:790×610×1290mm(main frame),750×730×1240mm(controller)	1	3,000,000.00	3,000,000.00
PAGE 2 OF 23			SUBTOTAL		3,584,000.00

(Total Amount in Words)

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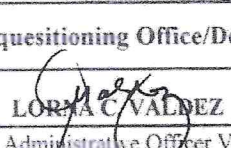
Conforme:


 Signature over Printed Name of Supplier

Date: FEB 26, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
 President


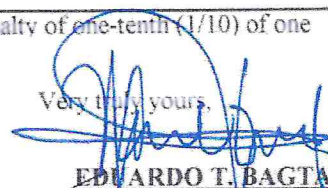
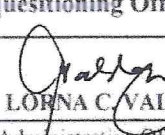
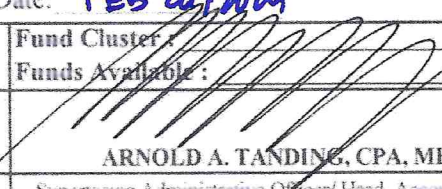
Requisitioning Office/Dep't	Fund Cluster	ORS/BURS No. :
	Funds Available	Date of the ORS/BURS:
 LORNA C. VALDEZ	ARNOLD A. TANDING, CPA, MBA	Amount :
Administrative Officer V	Supervising Administrative Officer/Head, Accounting Unit	

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC.	P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date : February 19, 2024
TIN : 002-644-279-00000	Mode of Procurement : PUBLIC BIDDING
Requisitioning Unit/Department: CEIT-RESEARCH	

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
9	unit	CBR Mould, 3364 ASTM/AASHTO, plated steel mould body with 6" (152.4 mm) dia. x 7" (177.8 mm) height. Supplied complete with extension collar and perforated base plate. CBR ACCESSORIES (ASTM Standard) .Dial gauge 10mm/0.01mm .Slotted Surcharge Weight (2.27 kg) .Annular Surcharge Weight (2.27 kg)	1	80,000.00	80,000.00
10	unit	Sand Cone Test Sets (4pcs), 3367 Main Parts: 1. plastic cylinder sand container; 2. brass cone funnel 3. Basement	1	24,000.00	24,000.00
11	sets	Field Density Test using Sand Cone Method, 3368 -Field density plate -Plastic jug for sand cone -Small round bottom scoop, 2 D x 5 L (No. 0) -Rubber mallet -Sampling Spoon, SS -Field scale 36 lb 20kg/1g -1-in steel chisel -Field can gallon (12 each)	2	190,000.00	380,000.00
12	unit	Digital Display Constant Temperature Convection Oven, STHX-A Specifications: 1. Temperature range: 50-300°C 2. Accuracy: ±1°C 3. Heater: 2 groups	1	495,000.00	495,000.00
PAGE 3 OF 23			SUBTOTAL		979,000.00

(Total Amount in Words)		
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.		
Conforme:	 JOSE P. MANQUEZ LIM Signature over Printed Name of Supplier Date: FEB 24, 2024	Very truly yours,  EDUARDO T. BAGTANG, CPA, DBM President
Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
 Tabuk City, Kalinga
PURCHASE ORDER

Supplier : **STATE ALLIANCE ENTERPRISES INC.** P.O. No. : **2024-02-153**
 Address : **283 G. DE RIVERA ST., SAN NICOLAS, MANILA** Date : **February 19, 2024**
 TIN : **002-644-279-00000** Mode of Procurement : **PUBLIC BIDDING**

Requisitioning Unit/Department: **CEIT-RESEARCH**

Gentlemen:

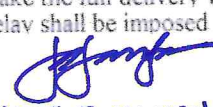
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Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		4. Perspective window to look inside 5. Working voltage: AC220V. 6. Inner Size: 800×800×1000mm 640L			
13	unit	Stainless steel soil sampler, STQTQ-1	1	34,000.00	34,000.00
14	unit	Stainless steel riffle sample divider, 3362- slot width :25mm 2 plates /set	1	145,000.00	145,000.00
15	unit	Advanced Hydrology and Rainfall Apparatus	1	11,780,000.00	11,780,000.00
		TECQUIPMENT, H313V			
		Key features • Groundwater flow from the ends of the tank or 'rain' from above spray nozzles feeds into a permeable catchment area • Four sets of switchable spray nozzles supply the catchment area • Piezometer tappings point to measure water table profile • Capable of measuring 'drawdown' due to single or two interacting wells • Angle of the catchment area can be adjusted • Has an electronic flow metre for gauging flow to the catchment area. • Run-off end well flows measured by electronic flow meter • Includes Data Acquisition Onboard featuring data acquisition via USB • data acquisition utilises software to record flow rates, sedimentation rate (with the pressure readings may also be captured)			
PAGE 4 OF 23			SUBTOTAL		11,959,000.00

(Total Amount in Words)

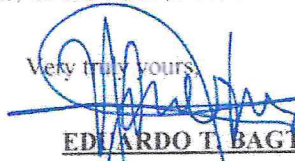
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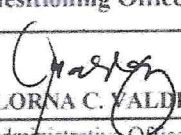
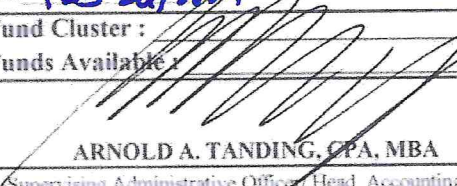
Conforme:


JOSE P. MARTINEZ UM
 Signature over Printed Name of Supplier

Date: **FEB 26, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
 President

Requisitioning Office/Dep't	Fund Cluster :	ORS/BURS No. :
	Funds Available :	Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Learning Outcomes • Investigation of rainfall/run-off relationships for dry, saturated and impermeable catchments of various slopes (surface run-off only) • Effect of interflow on outflow hydrograph surface runoff (plus groundwater flow) • Simulation of numerous and moving storms • Measurement of cone of depression for a single well and comparison with theory • Interaction of cones of depression for two adjacent wells • De-watering of excavation sites by use of wells • Flow from a well in a confined aquifer • Demonstration of watersheds for a simulated island with rainfall and well flows • Sediment transport rate and meanders in simulated rivers • Research of scour around simulated bridge piers • An illustration of how water flow causes erosion			
		Main parts: • Catchment area: Stainless steel tank 200 cm x 100 cm Normal depth of permeable medium 180 mm • Spray nozzles: Eight, in four banks of two, each bank individually selectable • Reservoir tank: Capacity approx 270 litres • Recommended medium: Approx 800kg of washed sand graded 0.5 mm to 1.5 mm			
		PAGE 5 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

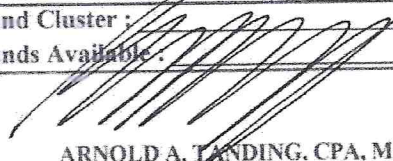
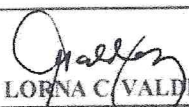
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Very truly yours,


EDUARDO T. DAGTANG, CPA, DBM
President


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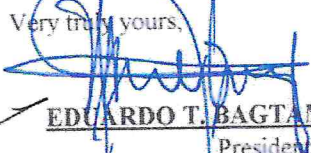
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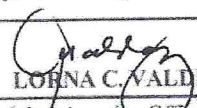
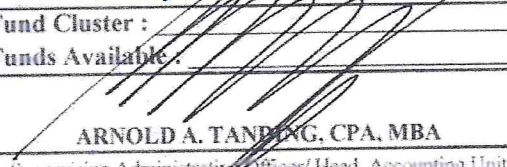
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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		A pump takes water from the reservoir and feeds it to the overhead nozzles and to the ends of the catchment area. Students can vary the flow to the nozzles and tank. A magnetic inductive flow meter measures the inflow and outputs to Data Acquisition. A second magnetic inductive flow meter measures the outflow, and outputs to Data Acquisition. An outflow chamber captures sediment and a force sensor connected to the outflow chamber reads the sediment load and displays it on Data Acquisition. The unit has Data Acquisition Onboard. A USB cable (supplied) connects to a suitable PC running Data Acquisition software that captures, records and displays data.			
		Includes: TecQuiPment VDAS e-lab Electronic Laboratory (1 year subscription) Key features • Provides automatic calculation, recording, charting and data export remotely • An unlimited number of students can simultaneously acquire and process live experimental data remotely from their computer, just as they would in the laboratory • Students can individually manipulate the experiment data remotely • Intuitive and easy-to-use, with clear, customisable display and layout options • To monitor engagement, the connection status of students are time logged • Suited to remote classroom demonstrations, laboratory experiments and group work			
		PAGE 6 OF 23	SUBTOTAL		0.00

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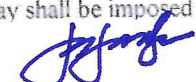
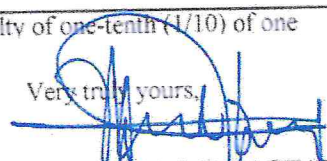
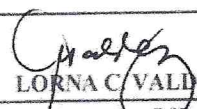
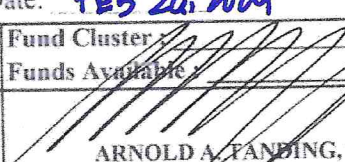
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President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		features include: • Monitors student participation through time logging • Records data manually or automatically • Data capture can be set by time or intervals • Displays real-time data in digital form or as an analogue meter • Real-time traces of analogue signals • Logs data for printing and later analysis • Exports data for use by other software • Performs real-time calculations to generate userdefined data • prints charts and data tables			
16	Unit	Creep Testing Machine, VDAS- 8M1006 learning outcomes • The typical breaking load of a specimen over a fixed time • Breaking load and time for lead specimens relationship • Time extension curves to display the three phases of creep (primary, secondary and tertiary) • The effect of temperature on the creep rate of specimens • Creep recovery Temperature : Displayed by laboratory-standard thermometer or thermocouple and Data Acquisition Creep : Measured by digital indicator, with output for Data Acquisition Specimens (supplied): 20 x CP1010 Lead to BS EN 12588:2006 20 x CP1020 Polypropylene 20 x CP1025 Nylon 66 unfilled Test weights (supplied): 3 x 500 g 2 x 200 g 1 x 100 g	1	1,430,000.00	1,430,000.00
		Includes: Data Acquisition			
PAGE 7 OF 23			SUBTOTAL		1,430,000.00

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Conforme:	 JOSE P. MANDUA UM Signature over Printed Name of Supplier Date: FEB 26, 2024	Very truly yours,  EDUARDO T. BAGTANG, CPA, DBM President
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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Software features include: <ul style="list-style-type: none">• Recording data manually or automatically• Data capture set by time or intervals• Display of real-time data, in digital form or as an analogue meter• Real-time traces of analogue signals• Logging data for printing and later analysis• Exporting data for use by other software• Performing real-time calculations to generate user defined data• Creating and printing charts and data tables• Customisable layouts Accessories (supplied): <ul style="list-style-type: none">• All mains connectors and cables• STP (shielded twisted pair) cables for equipment connection Digital Inputs: • 6 off RJ45 connection • 4 off SPC (DTI) inputs			
		Analogue Inputs: <ul style="list-style-type: none">• 1 DIN type socket for dual trigger input• 2 DIN type sockets for signal inputs of 0 to 10 V or 4 to 20 mA• Sample rate up to 25 kHz with 12 bit resolution• Bandwidth/Filter cut-off 3 kHz (nominal) Data Export: • XLSX file (default) • HTML file (optional) Lead creep specimen Polypropylene creep specimen Unplasticised creep specimen Nylon 66 creep specimen			
		PAGE 8 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

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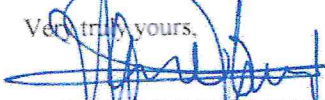
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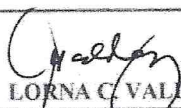
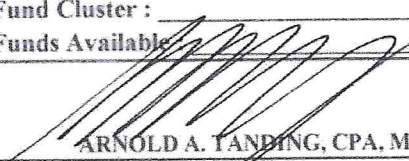

JOSE P. MANQUEZ LIM

Signature over Printed Name of Supplier

Date: FEB 24, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/Head, Accounting Unit	Amount :

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA Date : February 19, 2024
TIN : 002-644-279-00000 Mode of Procurement : PUBLIC BIDDING

Requisitioning Unit/Department: CEIT-RESEARCH

Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>KSU-Supply Office, Bulanao Campus</u>			Delivery Term : <u>FOB DESTINATION</u>		
Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Includes: Electronic Laboratory (1 year subscription) Key features • Provides automatic calculation, recording, charting and data export remotely			
		• An unlimited number of students can simultaneously acquire and process live experimental data remotely from their computer, just as they would in the laboratory • Students can individually manipulate the experiment data remotely • Intuitive and easy-to-use, with clear, customisable display and layout options • To monitor engagement, the connection status of students are time logged • Suited to remote classroom demonstrations, laboratory experiments and group work features include: • Monitors student participation through time logging • Records data manually or automatically • Data capture can be set by time or intervals • Displays real-time data in digital form or as an analogue meter • Real-time traces of analogue signals • Logs data for printing and later analysis • Exports data for use by other software • Performs real-time calculations to generate userdefined data • prints charts and data tables			
17	set	Electrical Engineering	1	8,220,000.00	8,220,000.00
PAGE 9 OF 23			SUBTOTAL		8,220,000.00

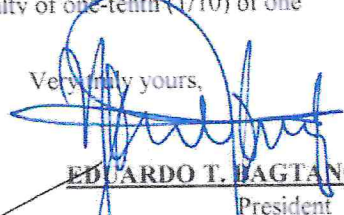
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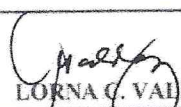
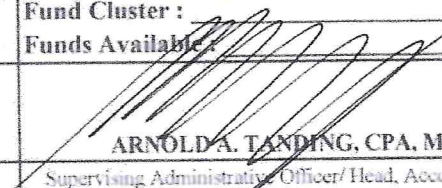
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE P. MANABAO UM
Signature over Printed Name of Supplier
Date: FEB 26, 2024

Very truly yours,


EDUARDO T. DAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster :	ORS/BURS No. :
	Funds Available :	Date of the ORS/BURS :
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
 Tabuk City, Kalinga
PURCHASE ORDER

Supplier : **STATE ALLIANCE ENTERPRISES INC.** P.O. No. : **2024-02-153**
 Address : **283 G. DE RIVERA ST., SAN NICOLAS, MANILA** Date : **February 19, 2024**
 TIN : **002-644-279-00000** Mode of Procurement : **PUBLIC BIDDING**

Requisitioning Unit/Department: **CEIT-RESEARCH**

Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		The Interface is the central unit of the system. Equipment: • 32-bit processor with storage memory • USB interfaces, transfer rate 12 Mbits/s • WLAN/WiFi interface, 2.4 GHz, IEEE 802.11 b/g/n • Simultaneous connection of any number of Experimenters • High-quality designer casing with aluminium feet and surface-hardened Plexiglas front panel • Suitable for accommodating in training panel frames for DIN A4 training panels			
		• Designed for connection of 2-mm safety measuring leads • Multi-coloured LEDs for displaying status • Adjustable analog output, +/-10 V, 0.2 A, DC – 5 MHz, via BNC and 2-mm sockets • 4 Analog differential amplifier inputs with 10 MHz band width, safe for voltages up to 100 V, sampling rate 100 mega samples, 9 measuring ranges, memory depth 4 x 8 k x 10 bits, inputs via BNC (2 inputs) or 2-mm sockets (4 inputs) • 2 Analog inputs for current measurement, overcurrent-protected up to 5 A, sampling rate 250 kilo samples, 2 measuring ranges, resolution 12 bits, connection via 2-mm sockets • 3 variable analog outputs +/- 20V, 1 A, DC-150 Hz • 16-bit digital signal output, of which 8 bits are accessed via 2-mm sockets, TTL/CMOS, clock frequency 0 – 100 kHz, electric strength +/- 15 V • 16-bit digital signal input, of which 8 bits are accessed via 2-mm sockets, memory depth 16 bit x 2 k, TTL/CMOS, sampling rate 0 – 100 kHz, electric strength +/- 15 V, • 8 Relays, 24 V DC/1 A, of which 4 are accessed via 2-mm sockets • External power supply with wide range input 100-264 V, 47-63 Hz, output 24 V / 5 A			
		PAGE 10 OF 23			
		SUBTOTAL			0.00

(Total Amount in Words)

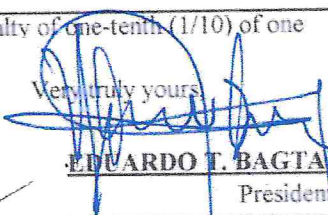
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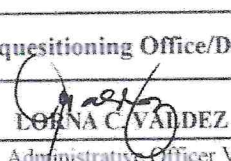
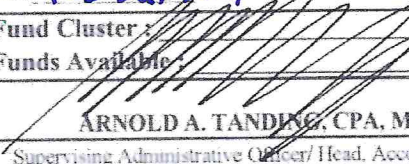
Conforme:


JOSE P. MANAWA LM
 Signature over Printed Name of Supplier

Date: **FEB 26, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
 President

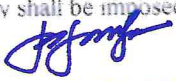
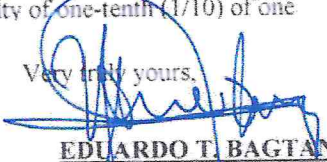
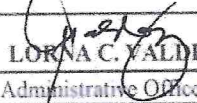
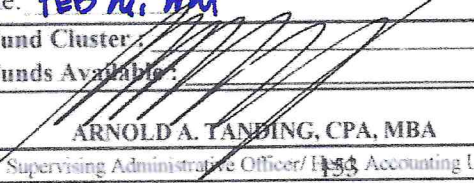
Requisitioning Office/Dep't	Fund Cluster :	ORS/BURS No. :
	Funds Available :	Date of the ORS/BURS :
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : <u>STATE ALLIANCE ENTERPRISES INC.</u>	P.O. No. : <u>2024-02-153</u>
Address : <u>283 G. DE RIVERA ST., SAN NICOLAS, MANILA</u>	Date : <u>February 19, 2024</u>
TIN : <u>002-644-279-00000</u>	Mode of Procurement : <u>PUBLIC BIDDING</u>
Requisitioning Unit/Department: <u>CEIT-RESEARCH</u>	

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>KSU-Supply Office, Bulanao Campus</u>			Delivery Term : <u>FOB DESTINATION</u>		
Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Virtual instruments (meters and sources): • 2 x Voltmeter VIs, 2 x Ammeter VIs: AC, DC, 9 ranges, 100 mV to 50 V, true RMS, AV • 1 x Power meter, 9 ranges, 100 mV to 50 V • 1 x VI with 8 relays, 1 x Multimeter VI: multimeter display in Software • 1 x 2-channel ammeter VI: AC, DC, 2 ranges, 300 mA and 3 A, TrueRMS, AV			
		• 1 x 2-channel voltmeter VI: AC, DC, 9 ranges, 100 mV to 50 V, TrueRMS, AV • 1 2-/4-channel oscilloscope: band width 10 MHz, 25 time ranges, 100 ns/div to 10 s/div, 9 ranges 20 mV/div to 10 V/div, trigger and pre-trigger, XY and XT modes, cursor function, addition and multiplication function for 2 channels • 1 x VI Spectrum Analyzer: 9 voltage ranges 100 mV to 50 V, input frequency range 3 Hz to 1 MHz, time domain display • 1 X VI Bode-Plotter: 9 voltage ranges 100 mV to 50 V, frequency range 1 Hz - 5MHz, time domain display and locus diagram • 1 x Adjustable DC voltage VI 0 - 10 V • 1 x Function generator VI: 0.5 Hz - 5 MHz, 0 - 10 V, sine, square, triangular, • 1 x Arbitrary generator VI, 1 x Pulse generator VI • 1 x VI with 16 digital outputs, 1 x VI with 16 x digital inputs, 1 x VI with 16 digital input/outputs. Display modes: binary, hex, decimal and octal numerals • 1 x Three-phase power supply VI, 0 - 150 Hz, 0 - 14 Vrms, 2 A • 1 x Adjustable DC power supply VI, 3 x (-20 V - +20 V), 2 A • 1 x Three-phase power supply VI with additional phase-shift and clock rate adjustment)			
		Includes: • Interface, • Power supply, • Power lead, • USB cable, • CD with basic software, • Operating manual			
		PAGE 11 OF 23	SUBTOTAL		0.00

(Total Amount in Words)	
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.	
Conforme:	Very truly yours,
 JOSE P. MANABUZ LM Signature over Printed Name of Supplier Date: FEB 14, 2024	 EDUARDO T. BAGTANG, CPA, DBM President
Requisitioning Office/Dep't	ORS/BURS No. :
Fund Cluster :	Date of the ORS/BURS:
Funds Available :	Amount :
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ 153 Accounting Unit

Republic of the Philippines
KALINGA STATE UNIVERSITY
 Tabuk City, Kalinga
PURCHASE ORDER

Supplier : **STATE ALLIANCE ENTERPRISES INC.** P.O. No. : **2024-02-153**
 Address : **283 G. DE RIVERA ST., SAN NICOLAS, MANILA** Date : **February 19, 2024**
 TIN : **002-644-279-00000** Mode of Procurement : **PUBLIC BIDDING**

Requisitioning Unit/Department: **CEIT-RESEARCH**

Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Experimenter for coupling to the UniT Interface or to other Experimenter modules. Equipment: • Connects to the Interface and additional Experimenters via unit bus • Unit bus connection for experiment cards			
		• High-quality designer casing with aluminium feet and surface-hardened Plexiglas front window Suitable for accommodating training panel frames for DIN A4 training panels • Fixed and variable voltages available • Designed for connection of 2-mm safety measuring leads • Accommodates Unit experiment cards • Eject mechanism for Unit experiment cards with return spring • Accommodates a breadboard for experimenting with discrete components and integrated circuits • Accommodates a multimeter using IrDa interface			
		Shunt resistors on a PCB, for current measurement using the analog inputs of the Unit system. • 6 Shunt resistors: 2 x 1 ohm, 2 x 10 ohm, 2 x 100 ohm • Screen print of symbols for identifying resistors, the voltage taps and current inputs • 24 x 2-mm sockets • Dimensions: 100 x 40 mm Set of connection cables 2 mm (28 pcs) for Unit consisting of: • 8 x connection leads 2 mm, 15 cm, blue • 4 x connection leads 2 mm, 15 cm, yellow • 5 x connection leads 2 mm, 45 cm, black • 2 x connection leads 2 mm, 45 cm, yellow • 5 x connection leads 2 mm, 45 cm, red • 2 x connection leads 2 mm, 45 cm, blue • 1 x safety adapter lead 4 mm to 2mm, 50 cm, black • 1 x safety adapter lead 4 mm to 2mm, 50 cm, red • 10 x 2-mm connector plugs / Plug spacing 5 mm, white			
		PAGE 12 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

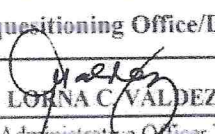
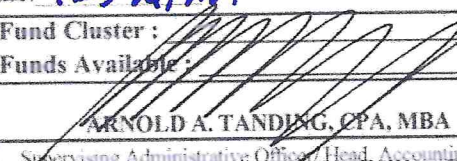
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE D. MANALANG, UIN
 Signature over Printed Name of Supplier
 Date: **FEB 24, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
 President

Requestioning Office/Dep't	Fund Cluster :	ORS/BURS No. :
	Funds Available :	Date of the ORS/BURS:
 LORNA C. VALDEZ	 ARNOLD A. TANDANG, CPA, MBA	Amount :
Administrative Officer V	Supervising Administrative Officer/ Head, Accounting Unit	

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA Date : February 19, 2024
TIN : 002-644-279-00000 Mode of Procurement : PUBLIC BIDDING

Requisitioning Unit/Department: CEIT-RESEARCH


Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

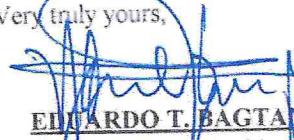
Place of Delivery : <u>KSU-Supply Office, Bulanao Campus</u>			Delivery Term : <u>FOB DESTINATION</u>		
Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Universal precision lab multimeter and temperature meter with IR interface for high-quality, universal measurement and testing in educational settings, power plants, process control installations etc. • 3¾-digit multimeter; resolution: ±3,100 digits • Measurement classification CATII-1000 V • Can be connected to Unit system via IR interface • Voltage and current measuring ranges: 30 mV-1000 V DC, 3 V-1000 V AC; 3 mA-16 A DC; 30 mA-10 A AC • Resistance ranges: 30 ohm-30 Mohm • Special functions: °C for temperature measurements using PT100/1000 thermocouple (optional accessory) • Continuity and diode testing • Automatic range selection and battery shut-off, min./max. and data hold function • Safety fuse for current measurement range up to 300 mA • Protection against high currents in the mA range for nominal voltage of 1000 V • Display with bar chart and backlighting • Includes protective sleeve, measuring leads, 1 x spare fuse, 9V battery, test certificate according to DIN 43751			
		Storage case Sturdy aluminium case with moulded foam block to accommodate a complete Unit system (without equipment) • Capable of accommodating 1 Interface, 2 Experimenters, 1 power supply as well as cables and smaller accessories • Lockable padlock; stable padlock hinge • Colours: aluminium, black, chrome			
		PAGE 13 OF 23	SUBTOTAL		0.00

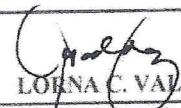
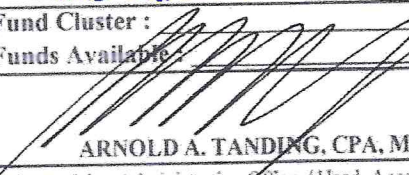
(Total Amount in Words)

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Conforme:


JOSE P. MANALUZ UM
Signature over Printed Name of Supplier
Date: **FEB 24, 2024**

Very truly yours,

EDGARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC.	P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date : February 19, 2024
TIN : 002-644-279-00000	Mode of Procurement : PUBLIC BIDDING
Requisitioning Unit/Department: CEIT-RESEARCH	

Gentlemen:
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Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course - Electric Machines 1: DC machines Includes: • 1 Experiment card with open, 2-pole stator and 2 exciter windings, temperature sensor with voltage source, starting and load resistors • Rotor with variable brushes • Stroboscope with extra-bright LED • Software browser and course software Course contents: • Identifying the most typical uses for DC machines • Illustration of electromagnetic induction and the Lorentz force • Illustration of design and function of commutated machines (DC machines) • Introduction to the key components of commutated machines, stator, commutator and carbon brushes • Measurement of I and V in armature and exciter and determining the armature and exciter impedances • Interpreting a rating plate			
		• introduction to circuit diagrams and characteristics for various types of connection: series, shunt and compound windings • Connection and operation of DC machines in various operating modes • Speed measurement using a stroboscope • Presentation to various types of speed regulation and reversal: field weakening, modification by means of armature and field resistors • investigation of various methods for controlling speed and direction of rotation			
		PAGE 14 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

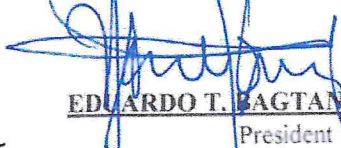
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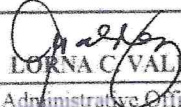
Conforme:


JOSE P. MANALAYA, UIN
Signature over Printed Name of Supplier

Date: **FEB 24, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available : 	ORS/BURS No. : Date of the ORS/BURS: _____
 LORNA C. VALDEZ Administrative Officer V	ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
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Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term : _____		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none">• Connection and operation of commutated machines with AC voltages: universal motors• Introduction to methods of braking DC machines• Measurement of I and V when braking DC machines• Explain the importance of temperature monitoring for electrical machines• Temperature display in the exciter winding when a machine is running using a semiconductor sensor			
		Course - Electric Machines 2: Asynchronous machines Includes: <ul style="list-style-type: none">• 1 Experiment module with stator and three-phase winding,run-up and operating capacitor and temperature sensor with constant current source• 3 Rotors: squirrel-cage, permanent-magnet, rotor with open winding• Stroboscope with extra-bright LED• Software browser and course software• Storage case			
		Course contents: <ul style="list-style-type: none">• Identifying the most typical applications of rotating field machines• Illustration of the principles of electromagnetic induction• Illustration of the design and function of rotating field machines• Illustration of the differences between motor and generator operation• Introduction to the key components of a rotating field machine, the rotor and stator• Experimental demonstration of how torque arises and of the generator principle• Creation of a rotating magnetic field by rotating field machines: experimental demonstration of a rotating magnetic field in the stator			
		PAGE 15 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

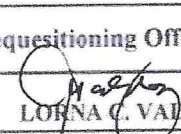
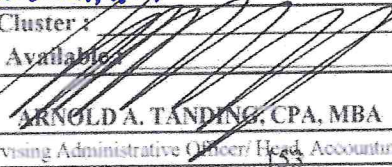
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Conforme:


JOSE P. MANANAY UM
Signature over Printed Name of Supplier
Date: FEB 21, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't  LORNA C. VALDEZ Administrative Officer V	Fund Cluster : _____ Funds Available : _____	ORS/BURS No. : _____ Date of the ORS/BURS: _____
	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : <u>STATE ALLIANCE ENTERPRISES INC.</u>	P.O. No. : <u>2024-02-153</u>
Address : <u>283 G. DE RIVERA ST., SAN NICOLAS, MANILA</u>	Date : <u>February 19, 2024</u>
TIN : <u>002-644-279-00000</u>	Mode of Procurement : <u>PUBLIC BIDDING</u>
Requisitioning Unit/Department: <u>CEIT-RESEARCH</u>	

Gentlemen:


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Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none">• Presentation to the principle of a 3-phase transformer• Evaluation measurement of three-phase machines in star and delta configurations.• Measurement of phase-to-phase and line-to-line voltage and current• Measurement of rotor voltage and current• Interpreting a rating plate• Nominal data and characteristic parameters, power factor, pole-pairs, torque, speed and slip• Design and function of asynchronous machines• Investigation of a squirrel-cage rotor, frequency response characteristics, reversal of rotation• Evaluation measurement of the operating response of a synchronous machine with a permanent magnet rotor• Introduction to the principle of a capacitor motor (Steinmetz circuit)• Evaluation measurement of the operating response of a capacitor motor• Illustration of the importance of temperature monitoring in electrical machines• Measurement of winding temperature in running machines• Fault simulation (4 simulated faults activated by relay)			
		Course - Electric Machines 3: Synchronous and slip-ring machines Includes: <ul style="list-style-type: none">• 1 Experiment card including stator with three-phase winding and starting resistors• 3 Rotors: slip-ring rotor, synchronous rotor and reluctance rotor• Stroboscope with extra-bright LED• Software browser and course software			
PAGE 16 OF 23			SUBTOTAL		0.00

(Total Amount in Words)

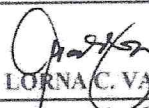
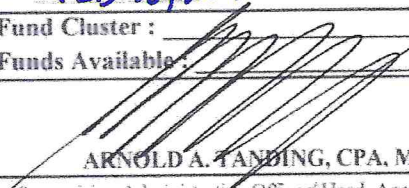
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Conforme:


JOSE P. MARQUEZ UN
Signature over Printed Name of Supplier
Date: **FEB 26, 2024**

Very truly yours,


EDGARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA Date : February 19, 2024
TIN : 002-644-279-00000 Mode of Procurement : PUBLIC BIDDING

Requisitioning Unit/Department: CEIT-RESEARCH


Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>KSU-Supply Office, Bulanao Campus</u>			Delivery Term : <u>FOB DESTINATION</u>		
Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course contents: • Identifying the most typical applications for synchronous rotors, slip-ring rotors and reluctance machines • Illustration of a how a magnetic field arises in rotating field machines • Illustration of the design and function of synchronous, slip-ring and reluctance machines • Introduction to the key components of synchronous, slip-ring and reluctance machines (including salient pole, non-salient pole and reluctance rotors) • Introduction to circuit diagrams, terminal charts and nominal data for synchronous, slip-ring and reluctance machines • Interpreting a rating plate			
		• Introduction to the principles of speed control of slip-ring rotor machines • investigation of the operating response of slip-ring rotor machines. Measurement of rotor voltages with open and shorted rotor windings, response to starting resistors, determining slip and speed by means of voltage measurements • Illustration of the differences between motor and generator operation of synchronous machines • Presentation to the principles of speed control of synchronous machines • investigation of the operating response of synchronous machines: run-up behavior, speed measurement, power factor determination (cos ϕ) with the aid of current and voltage measurements • Experimental of the operating response of reluctance machines: creation of torque, run-up response, asynchronous and synchronous operation, reversal of rotation, power factor determination (cos ϕ) with the aid of current and voltage measurements			
		PAGE 17 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

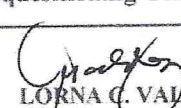
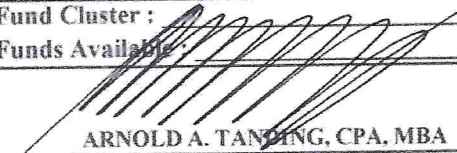
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE P. MARTINEZ UM
Signature over Printed Name of Supplier
Date: FEB 24, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/153 Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
 Tabuk City, Kalinga
PURCHASE ORDER

Supplier : **STATE ALLIANCE ENTERPRISES INC.** P.O. No. : **2024-02-153**
 Address : **283 G. DE RIVERA ST., SAN NICOLAS, MANILA** Date : **February 19, 2024**
 TIN : **002-644-279-00000** Mode of Procurement : **PUBLIC BIDDING**

Requisitioning Unit/Department: **CEIT-RESEARCH**

Gentlemen:
 Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course - Electric Machines 5: Stepper motors Includes: • Experiment card with 2-phase stepper motor, 200 steps per revolution and Incremental disc • Driver circuit with 6 control inputs and power amplifier, integrated current regulation, optional switching to resistor current limiting • Overload and status display via LEDs • Software browser and course software			
		Course contents: • Introduction to customary applications of stepper motors, • Familiarisation to the design and function of stepper motors: Permanent-magnet stepper motors, reluctance and hybrid stepper motors, • Identifying the advantages and disadvantages of various stepper motors, • Presentation to the various principles for controlling stepper motors (unipolar and bipolar) • Introduction to full-step and half-step operating modes • Experimental determination of step angle, maximum operating frequency and maximum start frequency • Investigation by measurement of control signals in half-step and full-step mode, • Analysis of control signals when rotation is reversed, • Introduction to various methods of current regulation for stepper motors • Experimental determination of the current regulation in use on the basis of control signals • Writing a program for positioning the stepper motor using relative or absolute positioning			
		PAGE 18 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

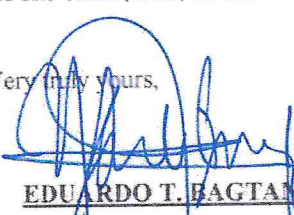
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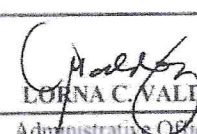
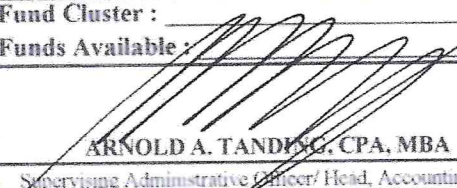
Conforme:


JOSE P. MANOVER UIM
 Signature over Printed Name of Supplier

Date: **FEB 24, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
 President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDIG, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier :	STATE ALLIANCE ENTERPRISES INC.	P.O. No. :	2024-02-153
Address :	283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date :	February 19, 2024
TIN :	002-644-279-00000	Mode of Procurement :	PUBLIC BIDDING

Requisitioning Unit/Department: CEIT-RESEARCH


Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>KSU-Supply Office, Bulanao Campus</u>			Delivery Term : <u>FOB DESTINATION</u>		
Date of Delivery : <u>105 calendar days after the receipt of PO by the supplier</u>			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course - Electric Machines 6: Linear motors Includes Experiment board with: <ul style="list-style-type: none">• Transparent linear motor with non-ferrous armature• Range 340mm approx.• Integrated microprocessor control• 35W power amplifier• Visualization of control vector• Position detection with analog Hall sensors• Software browser and course software			
		Course contents <ul style="list-style-type: none">• Introduction to design and operating principle of a linear motor• Illustration of terms "Lorentz force" and "induced voltage"• Familiarisation to linear motor applications• Designs of linear motors• Advantages and disadvantages of linear motors in comparison to rotary motors• Finding of characteristic values for a motor• Positioning of a linear motor• Finding motor position with the help of encoders or Hall sensors• Distinction between relative and absolute positioning• Determination of motor position using analog Hall sensors			
		Storage Case Sturdy aluminium case with moulded foam block to accommodate an experiment board <ul style="list-style-type: none">• Capable of accommodating 1 experiment board and smaller accessories• Lockable padlock; stable padlock hinge• Colours: aluminium, black, chrome			
		PAGE 19 OF 23	SUBTOTAL		0.00

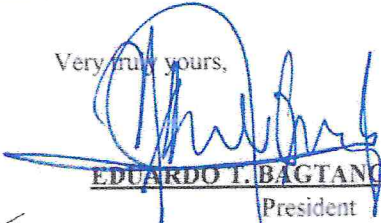
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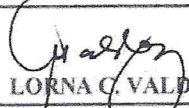
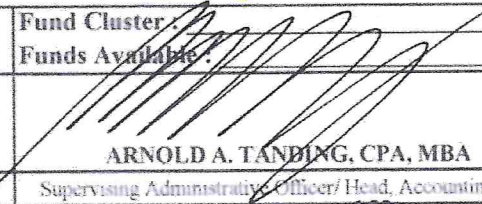
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE P. MARQUEZ UM
Signature over Printed Name of Supplier
Date: **FEB 16, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANBING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga

PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA Date : February 19, 2024
TIN : 002-644-279-00000 Mode of Procurement : PUBLIC BIDDING

Requisitioning Unit/Department: CEIT-RESEARCH
Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:


Place of Delivery : KSU-Supply Office, Bulanao Campus Delivery Term : FOB DESTINATION
Date of Delivery : 105 calendar days after the receipt of PO by the supplier Payment Term :

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course - Electric Machines 7: BLDC/servo motors Includes: • 1 Experiment module featuring a brushless DC (BLDC) motor with electronic commutation, speed and torque control plus Hall sensors for measuring speed • Software browser and course software Course contents: • Familiarisation to common applications of BLDC motors • Introduction to design and function of BLDC motors • investigation of how BLDC motors work			
		• Advantages and disadvantages of BLDC motors • Introduction to various circuits for controlling BLDC motors: square and sine-wave current signals • Measurement and analysis of circuits • Introduction to various methods of detecting rotor position: Hall sensors, back-emf, pole detection, resolvers and incremental sensors • Measurement of position using Hall sensors • Introduction to current and speed control of BLDC motors • Experimental investigation of speed control • Setting parameters for speed control			
		PAGE 20 OF 23	SUBTOTAL		0.00

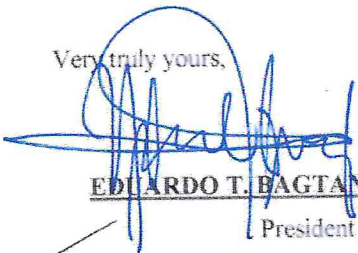
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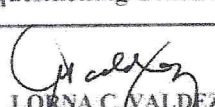

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE P. MANAWATZ UM
Signature over Printed Name of Supplier
Date: FEB 26, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount :

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC. P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA Date : February 19, 2024
TIN : 002-644-279-00000 Mode of Procurement : PUBLIC BIDDING
Requisitioning Unit/Department: CEIT-RESEARCH

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:


Place of Delivery : KSU-Supply Office, Bulanao Campus Delivery Term : FOB DESTINATION
Date of Delivery : 105 calendar days after the receipt of PO by the supplier Payment Term :

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Course - Single- and Three-phase transformers Includes: • 1 Experiment module with three-phase transformer, with 12 windings and tapings for study of single phase and three phase transformers and transformer circuits, three-phase load, useable for star and delta connection • Software and course Course contents: • Principles of transformers • Study of load characteristics of single and three phase transformers • Measurement of I and V under load / no-load conditions • Study of the transformation ratio • Equivalent circuit diagram • Analyze of three-phase transformers • Analyze of various three-phase transformer circuits and their effects on load / no-load operation • Analyze of various circuits with unbalanced load • Finding of short circuit voltage			
		Other Requirements:			
		a) All equipment and components should be branded (not clone, imitation, or assembled) and brand new. The units should be delivered duly packed and sealed by the direct company/ manufacturer.			
		b) Availability of parts in the local market by local distributor.			
		c) Provision of Technical Data Sheet indicating the brand name and model of item/s.			
		d) Provision of Operations and Maintenance Manual of the item/s, if applicable.			
		PAGE 21 OF 23	SUBTOTAL		0.00

(Total Amount in Words)

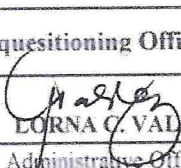
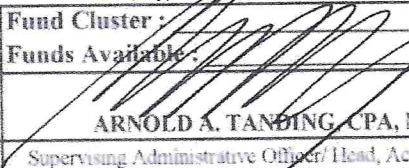
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.

Conforme:


JOSE P. MANUBAZ, CM
Signature over Printed Name of Supplier
Date: FEB 24, 2024

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

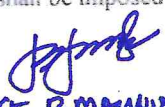
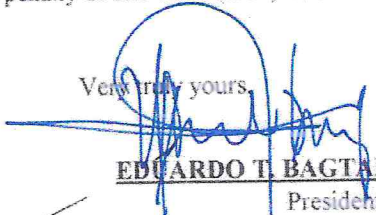
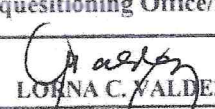
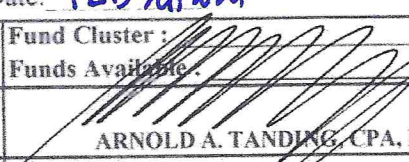
Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/ Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC.	P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date : February 19, 2024
TIN : 002-644-279-00000	Mode of Procurement : PUBLIC BIDDING
Requisitioning Unit/Department: CEIT-RESEARCH	

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		e) Partial bids are allowed. All Goods are grouped into 8 lots listed above. Bidders shall have the option of submitting a proposal on any or all lots. If the Bidder opts to bid for more than one lot, only one set of technical requirements shall be submitted. Evaluation and award of contract will be undertaken per lot basis; however, for bidder that bids to more than one lot and determined to have the Lowest Calculated Responsive Bid per lot shall be awarded with only one contract.			
		f) The items as specified in this Technical Specifications shall be delivered only to the address indicated herein to be received by authorized personnel.			
		g) The Supplier shall notify the indicated authorized receiving personnel at the Project Site at the scheduled date of delivery at least three (3) working days in advance, and shall ensure that the authorized receiving personnel of the Purchaser is present during the date and time of delivery. The Receiving Personnel reserves the right to refuse to receive/accept delivered Goods made before 8:00 A.M. or after 5:00 P.M., and on non-working days.			
		h) The Supplier shall replace any rejected item within fifteen (15) calendar days from receipt of a written notice from the end-user.			
		i) Prior to issuing the Certificate of Complete Deliveries, the item's testing and ceiling must be conducted with the end-users, Inspectorate Team or TWGs.			
		j) After the Testing and Ceiling, the Supplier shall be evaluated and will conform to the end user's evaluation rating results as a requirement for payment.			
		PAGE 22 OF 23	SUBTOTAL		0.00

(Total Amount in Words)		
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s.		
Conforme:	 JOSE P. MANUWA URM Signature over Printed Name of Supplier Date: FEB 21, 2024	Very truly yours,  EDUARDO T. BAGTANG, CPA, DBM President
Requisitioning Office/Dep't	Fund Cluster : Funds Available :	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDING, CPA, MBA Supervising Administrative Officer/Head, Accounting Unit	Amount : _____

Republic of the Philippines
KALINGA STATE UNIVERSITY
Tabuk City, Kalinga
PURCHASE ORDER

Supplier : STATE ALLIANCE ENTERPRISES INC.	P.O. No. : 2024-02-153
Address : 283 G. DE RIVERA ST., SAN NICOLAS, MANILA	Date : February 19, 2024
TIN : 002-644-279-00000	Mode of Procurement : PUBLIC BIDDING

Requisitioning Unit/Department: **CEIT-RESEARCH**
Gentlemen:


Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : KSU-Supply Office, Bulanao Campus			Delivery Term : FOB DESTINATION		
Date of Delivery : 105 calendar days after the receipt of PO by the supplier			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		k) 1 year warranty of service and device/equipment based on the unit will start after the turn-over and orientation of the end-user.			
		l) The total price offered/quoted is subject to withholding tax and payable checks.			
		m) During or after the delivery, the Supplier shall submit the following requirements: 1. Delivery Receipt 2. Supplier's Sales Invoice 3. Operations and Maintenance Manual 4. Warranty or KSU will deduct 1% on the total value of the items as Retention Money			
		n) Supplier/bidder should include the installation, commissioning and testing of all the equipment			
		o) Supplier/Bidder should provide training for faculty and also continuous free re-training during warranty period			
		p) Supplier/Bidder should provide 1 (one) year warranty period on parts and labor			
		After Sales Requirements:			
		q) Under warranty coverage: If unrepairable within 7 days, a free service backup unit (1:1) or service spare part of the same or higher specification must be provided by the supplier until the defective unit/part is considered repaired/replaced.			
		r) Monday to Friday, office hours technical support and service.			
		s) Capable of providing technical service/assistance within 24 hours OR next business day on-site (NBDOS) service warranty.			
		x-x-x-x-x-x-x-x-x-x-x-x-x			
		PAGE 23 OF 23	SUBTOTAL		0.00
			GRAND TOTAL		26,932,000.00

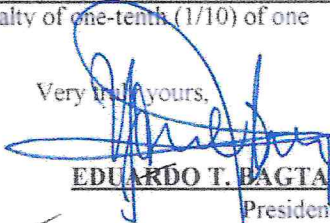
(Total Amount in Words) **TWENTY-SIX MILLION NINE HUNDRED THIRTY-TWO THOUSAND PESOS ONLY**

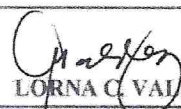
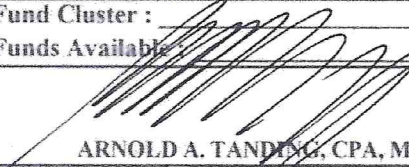
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Conforme:


JOSE P. MANALITA UM
Signature over Printed Name of Supplier
Date: **FEB 26, 2024**

Very truly yours,


EDUARDO T. BAGTANG, CPA, DBM
President

Requisitioning Office/Dep't	Fund Cluster : Funds Available	ORS/BURS No. : Date of the ORS/BURS:
 LORNA C. VALDEZ Administrative Officer V	 ARNOLD A. TANDINA, CPA, MBA Supervising Administrative Officer/ 1-53 Accounting Unit	Amount : _____