			PURCHASE ORDER VISAYAS STATE UNIVERSITY			
Visca, Baybay, Leytre Supplier: SURVEYTECH Trading				PO No. Trust-15-06-04-LIDAR		
Address:			Bago Bantay, Quezon City	Date: July 6, 2015		
radio			Dago Daniay, Quezon City	(27) (17) (17) (17) (17) (17) (17) (17) (1	2015-5-619	
Place	Place of Delivery: VSU, Baybay, Leyte				Mode of Procuremnt:Comp Bidding Delivery Term: FOB Site	
Date of Del				Payment Term:	TOB ONO	
No. C		nit	DESCRIPTION		Amount	
			RTK Dual Frequency Survey Grade GPS	798,000.00	798,000.00	
-+	' "	THE	SOUTH STAR S86T GNSS (USA assembled in China)	790,000.00	790,000.00	
-						
			1 unit Real Time Kinematic (RTK) Base Station with the ff. components:			
			GPS Receiver, Base Station Radio and Power Supply in one unit			
			GPS Antenna (geodetic) with large ground plane to eliminate			
_			multipath			
			Aluminum tripod			
			Tribrach			
			1 unit RTK rover receiver with the ff components:			
			Integrated GPS Receiver and Radio Antenna			
			GPS Antenna		8 7/ 8 8	
			Rover bipod		/	
			Rover Controller	2		
2	2 un	its	Total Station; SOUTH TOTAL STATION, NTS-312B	124,500.00	249,000.00	
			(USA assembled in China)			
			Specifications:			
			Telescope	V -		
		2500	Magnification: 30x			
-			Resolving power: 3.0"			
-+		-	Length: 154mm, Objective aperture: 45mm (50mm for EDM),			
	+		Image: Erect, Field of view: 1°30' (26m/1,000m),			
		HICE	Minimum focus: 1.3m			
3	2 u	nit	Handheld GPS - Garmin Montana 650, USA	E4 000 00	409 000 00	
3	<u> </u>	HIL	Handreid GFS - Garmin Montana 650, USA	54,000.00	108,000.00	
4	2 u	nit	Flow / Current Meter - General Oceanics, Model: 2030R	45,000.00	90,000.00	
Perform	nance R	ond (ND TOTAL:	1,245,000.0	
In case one p Confo Date Reque	e of fail ercent orme: (Supesting	pplie	GRAI 5% of the total PO) either in Cash or Manager's Check = P62,250.00 to make the full delivery within the time specified above, a penalty of one-tentilevery day of delay shall be imposed. Art True er's Signature over printed name) ce/Dept. Certified Correct: C. GUARTE OF ERLINDA S. ESGUERRA	JOSE L. Pre	1,245,000 BACUSMO sident	

ASPEN Multi-System Corp San Juan, Taytay, Rizal ivery: VSU, Baybay, Leyte very: 30 days upon receipt of PO & NTP nit DESCRIPTION it LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360° Rotatable		uly 6, 2015 015-5-559 nt:Comp Bidding
ivery: VSU, Baybay, Leyte very: 30 days upon receipt of PO & NTP nit DESCRIPTION it LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	Date: Ju PR No: 20 Mode of Procuremn Delivery Term: F0 Payment Term:	uly 6, 2015 015-5-559 nt:Comp Bidding OB Site
ivery: VSU, Baybay, Leyte very: 30 days upon receipt of PO & NTP nit DESCRIPTION it LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	PR No: 20 Mode of Procuremn Delivery Term: Fo Payment Term:	015-5-559 nt:Comp Bidding OB Site
very: 30 days upon receipt of PO & NTP nit DESCRIPTION nit LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	Mode of Procuremn Delivery Term: For Payment Term:	nt:Comp Bidding OB Site Amount
very: 30 days upon receipt of PO & NTP nit DESCRIPTION nit LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	Delivery Term: For Payment Term:	OB Site Amount
DESCRIPTION DESCRIPTION LB-271 Biological and Medical Trinocular Microscope with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	Payment Term:	Amount
with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	207,400.00	
with Infinite Optical System (Anti-Fungus), LABOMED Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°	207,400.00	
Specifications: Optical System: Infinite optical system Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°		
Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°		
Viewing Head: Siedentopf type Trinocular Head, Inclined at 30°, 360°		
Paragraphic description of the control of the contr	34	
Eyepiece: WF10 x/20		52.7 Sec. 19.00
Objective: Infinite plan achromatic objective 4x(N.A0.10, W.D15.5mm),		
10x(N.A0.25, W.D5.02mm),		
40x(N.A0.65, W.D0.60mm),		
100x(N.A1.25, W.D0.13mm),		
Nosepiece: Backward quadruple nosepiece		
Focusing: Coaxial Coarse & Fine Adjustment System,		
Range 25mm, Fine Division 2µm, Coarse Stroke 37.7mm per		
Rotation, Fine Stroke 0.2mm per Rotation		
Stage: Rectangular 216 x 1,60mm, cross travel 78 x 54mm		
using low positioned X/Y/coaxial control knob, can hold two slides		
Condenser:Abbe condenser NA1.25 with aperture diaphragm		
it LC-7 USB2.0 CCD Color Digital Camera (1.4MP)		·····
Technical Specifications:	+	
Pixel size: 4.65µm x 4.65µm	+	
G Sensitive: 400mV		
	+	
	1	
	-	
	-	
With Software and ODA, Manual		
CRAL	TOTAL.	207 400 00
GRAN and (5% of the total PO) either in Cash or Manager's Check = P10,370.00	VDIOIAL.	207,400.00
	40x(N.A0.65, W.D0.60mm), 100x(N.A1.25, W.D0.13mm), Nosepiece: Backward quadruple nosepiece Focusing: Coaxial Coarse & Fine Adjustment System, Range 25mm, Fine Division 2μm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation Stage: Rectangular 216 x 150mm, cross travel 78 x 54mm using low positioned X/V/coaxial control knob, can hold two slides Condenser:Abbe condenser NA1.25 with aperture diaphragm LC-7 USB2.0 CCD Color Digital Camera (1.4MP) Technical Specifications: Image sensor: 1/2", color 1.4MP SONY CCD ICX205AK Pixel size: 4.65μm x 4.65μm G Sensitive: 400mV Spectral Response: 400mm~1000nm Scan Mode: Progressive Scan Max. Resolution: 1360H x 1024V Frame Rate: 7fps@1360x1024 Lens Interface; Standard C-mount Software function: Image display, image processing, video Power: USB2.0 Power Supply, 500mW Accessories: Include C-mount, 2.0meter USB cable, 1 CD with software and SDK, Manual	40x(N.A0.65, W.D0.60mm), 100x(N.A1.25, W.D0.13mm), Nosepiece: Backward quadruple nosepiece Focusing: Coaxial Coarse & Fine Adjustment System, Range 25mm, Fine Division 2μm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation Stage: Rectangular 216 x 1,50mm, cross travel 78 x 54mm using low positioned X/Y/coaxial control knob, can hold two slides Condenser: Abbe condenser NA1.25 with aperture diaphragm itt LC-7 USB2.0 CCD Color Digital Camera (1.4MP) Technical Specifications: Image sensor: 1/2", color 1.4MP SONY CCD ICX205AK Pixel size: 4.65μm x 4.65μm G Sensitive: 400mV Spectral Response: 400mm~1000nm Scan Mode: Progressive Scan Max. Resolution: 1360H x 1024V Frame Rate: 7fps@1360x1024 Lens Interface; Standard C-mount Software function: Image display, image processing, video Power: USB2.0 Power Supply, 500mW Accessories: Include C-mount, 2.0meter USB cable, 1 CD with software and SDK, Manual

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			VISAYAS STATE UNIVERSITY		
Sup	plier:		ASPEN Multi-System Corp	DO No. OF 45	20.04.410
Address:		- XXIII V	San Juan, Taytay, Rizal	PO No GF-15-06-01-Alang2x	
Add	1033.		Oali Juan, Taylay, Nizal		July 6, 2015
				PR No:	2015-5-555
Plac	Place of Delive		ery: VSU-Alahaalana Camous Alahaalana Levie	Delivery Term:	nnt:Comp Bidding
Date	of D	elive)	ery: VSU-Algingalang, Campus, Alangalang, Leyte ry: 30 days upon receipt of PO & NTP	Payment Term:	rob site
No.	Qty	Unit			Amount
1	1	unit	Rotary Evaporator, complete set, CHINCAN, R206B with pump	182,750.00	182,750.00
			Rotation Speed: 4-200 rpm	102,100.00	102,100100
			Evaporation flask size: 500ml+1000ml/29 or 2000ml/29 (alternative)		
			Glass joint - 20/40 evaporating		
			Power Source: 220V, 7A		,
g -8186 - i			. 6116. 664166. 2264, TA		
	\dashv	-			30.00.00.00.00.00.00.00.00.00.00.00.00.0
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			2 - C - L - C - L - C - C - C - C - C - C		
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					7/9/40-6
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	-				
			GRAN	ID TOTAL:	182,750.00
Perfor	mance	Bond	(5% of the total PO) either in Cash or Manager's Check = P9,137.50		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
In cas	se of t	failure	to make the full delivery within the time specified above, a penalty of one-ten	th (1/10) of	
one	perce	nt for	every day of delay shall be imposed.	ka.	
^£		s:		19/119	4
Cont	orme		Lara & column	\ 	BACUSMO
Date	(8	-	er's Signature over printed name)	Pres	sident
		(A)Off	ice/Dept. Certified Correct:	Amount:	
	v.c.10.003.04/	Jal.	and t Justines	Amount.	
R	OBE	RYO	C. GUARTE) ELDA DELOS REYES	ALOBS No.	
(/	Auth	rized	Official) Head, Acctg. Div		

			PURCHASE ORDER VISAYAS STATE UNIVERSITY		
			Visca, Baybay, Leytre	· · · · · · · · · · · · · · · · · · ·	
Supplier: ASPEN Multi-System Corp			PO No GF-15-06-02-TOLOSA		
Address:			San Juan, Taytay, Rizal	Date: July 6, 2015	
					2015-5-558
		oogwe u		Mode of Procurem	nt:Comp Bidding
Place of Delivery: VSU-Tojosa Campus, Tolosa, Leyte			Delivery Term: FOB Site		
_			ivery: 30 days upon receipt of PO & NTP	Payment Term:	
No.		Unit			Amount
1	1	unit	Laboratory Mill, Intermediate, INDOSAW 62007	234,000.00	234,000.00
			Specifications:		
			* For dehusking paddy to get brown rice (approx 20% husk)		
			* Less broken percentage		
			* Safety protection from stone damage at the time of shelling		
			* For both dry & wet samples of any variety		
			* Large hopper capacity		
			* Shells 40-50kgs of paddy per hour in continuous operation		
2	1	unit	MAGNETIC STIRRER, Multi-unit with Hotplate, CHINCAN HJ-4B	28,080.00	28,080.00
			Specificatiions;	33,000.00	
			Power Supply: AC 220V/110V, 50Hz/60Hz		
	-		Speed: 0-2400rpm		<u> </u>
			Motor Power: 25W X4		= -, -
	-		Heating Power: 300W		
			Temperature Control Range: Room temperature to 100 Celsius		
			Easy to use, rich function configuration, cost efficient		
-					k (Silyan a sanah (Kabupatèn Alba)
=0.0000					
					COMPONED WATERINGS IN THE
Dorfo		Dana	GRAN (5% of the total PO) either in Cash or Manager's Check = P13,104.00	DTOTAL:	262,080.00
				(L (4(40) - 6	
			to make the full delivery within the time specified above, a penalty of one-tent r every day of delay shall be imposed.	tn (1/10) or SA	W c
Con	form		ful.	JOSE L.	BACUSMO
			พระเทร Counn ier's Signature over printed name)	Pre Pre	sident
Date		Α/			$\overline{}$
		TAM	fice/Dept. Certified Correct:	Amount:	
			C.GUARTE MELONA RALINO Head, Acctg. Div	ALOBS No.	
	(, ,,,,,,	7	Tiodd, Tiodd, Div		

		Visca, Baybay, Leytre FIL-ANASERVE, INC.	DO No. Tours 4	E OG OG LIDAD	
Supplier: Address:		-	PO No. Trust-15-06-06-LIDAR Date: July 6, 2015 PR No: 2015-5-619 Mode of Procuremnt:Comp Bidding		
		Dilliman, Quezon City			
Place of Delive		y: VSU, Baybay, Leyte	Delivery Term:		
Date of Deliver			Payment Term:		
No. Qty			j. cymons romm	Amount	
1 1		USB4000-VIS-NIR-ES Miniature Fiber Optic Spectrometer	1,298,000.00	1,298,000.00	
- '	uriit	OCEAN OPTICS	1,290,000.007	1,250,000.00	
		Physical			
and b		Dimensions: 89.1 mm x 63.3 mm x 34.4 mm			
		Weight: 190 grams			
		Detector Specifications			
		Detector: Toshiba TCD1304AP Linear CCD array			
		Detector range: 200-1100 nm			
		Pixels: 3648 pixels			
		Pixel size: 8 µm x 200 µm			
		Pixel well depth: 100,000 electrons			
		Optical Bench			
		Design: f/4, Asymmetrical crossed Czerny-Turner			
		Focal length: 42 mm input; 68 mm output		A ARTER AND A CONTRACT OF THE STATE OF THE S	
		Entrance aperture: 25 µm wide slit			
		Grating: Grating #3 (blazed at 500 nm)	TANK SERVICENCY WAS REMAINED.		
		OFLV filter: OFLV-350-1000			
		Fiber optic connector: SMA 905 to 0.22 numerical aperture			
		single-strand optical fiber			
		Spectroscopic			
		Wavelength range: 350-1000 nm			
		Optical resolution: ~1.5 nm FWHM			
		Signal-to-noise ratio: 300:1 (at full signal)			
		A/D resolution: 16 bit			
		Corrected linearity: >99%			
		Sensitivity: 130 photons/count at 400 nm; 60 photons/count at 600 nm			
		Detector collection lens: Yes			
		Dark noise: 50 RMS counts			
		Integration time: 3.8 ms - 10 seconds	8 2 22		
		Dynamic range: 3.4 x 106 (system), 1300:1 for a single acquisition			
	5 - 700	Stray light: < 0.05% at 600 nm; 0.10% at 435 nm			
		ight of the second actions and the second action and			
		GRANI	DTOTAL:	1,298,000.0	
erformano	e Bond	5% of the total PO) either in Cash or Manager's Check = P64,900.00		,,	

	-		PURCHASE ORDER VISAYAS STATE UNIVERSITY		
Cun	plier:		Visca, Baybay, Leytre SITECH Phil, Inc.	Ino No. To all 4	5 00 05 LIDAD
-		****		PO No. Trust-1	
Add	ress:		No 80 E.Rodriguez Jr. Ave.,	Date:	July 6, 2015
			Ugong Norte, Quezon City	PR No:	2015-5-619
Plac	o of I	Deliver	y: VSU, Baybay, Leyte	Delivery Term:	mnt:Comp Bidding
	Place of Department of Departm				
				Payment Term:	
			DESCRIPTION	T	Amount
1	1	unit	Branded GNSS Survey Equipment with Portable Echosounder	2,095,000.00	2,095,000.00
			US & UK		
			One(1) Base and One (1) Rover GNSS Receivers		
			Rover position update rate range = 1 - 20 Hz		,
			Minimum 440 channels		
		A CONTRACTOR AND A CONT	Rover range from base radio = unrestricted or minimum of 2 km		
			w/o radio repeater		
			Rover operation within VRS (Virtual Reference Station) network		
			CODE DIFFERENTIAL POSITIONING: (highest accuracy = 0)		
			a. Horizontal = (minimum of 0.25 m) + 1ppm RMS		
			b. Vertical = (minimum of 0.50 m) + 1ppm RMS		
		111.50	GNSS Capability: with GLONASS, Galileo, Beidou, QZSS and	-	
			L5 upgrade		
			Moblie Satellite Service		
			I. Horizontal = 4 cm	-	
			II. Vertical = 9 cm		
			LOCATION RTK POSITIONING:	1	elek da e en 100 e e e
			a. Horizontal = (minimum of 1cm) + 1ppm RMS	+	
			b. Vertical = (minimum of 2cm) + 1ppm RMS		
			STATIC:		
	\vdash		a. Horizontal = (minimum of 3mm) + 0.1 ppm		
			b. Vertical = (minimum of 3.5mm) + 0.4 ppm	-	
			REAL TIME KINEMATIC (UP TO 30 km) POSITIONING:		
			a.Horizontal = (minimum of 8mm) + 1 ppm RMS		
			b. Vertical = (minimum of 15 mm) +1 ppm RMS		
			POST PROCESSED KINEMATIC (UP TO 30 km) POSITIONING:		
			a.Horizontal = (minimum of 8mm) + 1 ppm RMS		
			b. Vertical = (minimum of 15 mm) +1 ppm RMS		
			Rover: with correction back-up feature for RTK and VRS up to		
			5 minutes		
	gg 1	- 3			
	THE .		GRAN	DTOTAL:	2,095,000.00
Perfo	rmanc	e Bond (5% of the total PO) either in Cash or Manager's Check = P104,750.00	water the second second second	10
			to make the full delivery within the time specified above, a penalty of one-tenth every day of delay shall be imposed.	(1/10) of San	i Pope
Con	forme	a.	Jakhan	JOSE I	BACUSMO
3311			NERICK S. GAMO 7 31 1		esident
Date		Supplie	er's Bignature over printed name)	1	ust 2020 1050 - 10.6.1
		nd Offi	ce/Dept. Certified Correct:		5-07-2959
		Men	Nath Charles	1	0605140 mg
	OBE	MIL	C.GUARTE ERLINDA S. ESGUERRA	ALOBS No.	•
	Autr	urized	Official) Head, Acctg. Div		