

PURCHASE ORDER

QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline: 837-2071 local 2220 / 2221

13-2000 GF

Supplier: SIGMATECH INC.	P.O. No.: GF-E-187-2013
Address: <i>Block 136 Lot 1 C. Arellano St., Katarungan Village, Muntinlupa City</i>	Date: May 15, 2013 Mode of Procurement: Public Bidding
PO-08-9	PR # 08-2013-0005 ASC # 127-2013

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

Place of Delivery: ADMATEL Bldg.	Delivery Term: Ninety (90) calendar days
Date of Delivery:	Payment Term:

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
1	set	PARK SYSTEMS XE-100 COMPLETE ATOMIC FORCE MICROSCOPE (AFM) SYSTEM 1. True Noncontact AFM and Fast Z-servo Response. Completely decoupled XY & Z Scanners w/Closed-loop feedback - Closed loop feedback AFM scan - Flexure guided scanner Less than 1 nm vertical movement, 50 µm XY scan, less than 2 nm vertical movement over 100 µm XY scan 2. SLD Optical AFM Head - Detection of cantilever deflection with low coherence Super Luminescence Diode (SLD): 830 nm for topography feedback - high force Z-scanner with guided flexure stage (Scan range: 12 µm, Noise level: 0.02 nm / 0.05 nm) - Standard Probe hand (Lock head mount for easy mount/removal of the AFM head, Includes IR detection kit to locate SLD beam position) 3. Direct On-Axis Optical Microscope - Optical image is digitally captured by CCD camera, and displayed on a 19-inch LCD monitor. - objective lens (10x) - magnification (780x) - resolution (1 µm (0.28 N.A.) - Field of View (480 x 360 µm) 4. High Resolution Digital CCD Camera with Digital Zoom (Effective Picture Elements: XGA 1032 x 778 progressive CCD, Flame Rate: Up to 20 Hz, Digital Zoom: Up to 100x)	1	7,950,000.00	7,950,000.00

Handwritten notes:
*AFM
*FEC
*WARRANTY

Page 1 of 3 pages

(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.

Very Truly yours,

Conforme:

(Signature over printed name)

(Date)

Requisitioning Office/Dept.	Funds Available:	Amount ALOBS No. <i>7,950,000.00 - 201310095</i>
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PURCHASE ORDER

GR-ADM/PPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline: 837-2071 local 2220 / 2221

13 - 200 GF

Supplier: SIGMATECH INC.	P.O. No.: GF-E-187-2013
Address: <i>Block 136 Lot 1 C. Arellano St., Katarungan Village, Muntinlupa City</i>	Date: May 15, 2013
	Mode of Procurement: Public Bidding
PO-08-9	PR # 08-2013-0005 ASC # 127-2013

Gentlemen:

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

Place of Delivery: ADMATEL Bldg.	Delivery Term: Ninety (90) calendar days
Date of Delivery:	Payment Term:

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
		Total Carried Forward			7,950,000.00
		5. Motorized Focus Stage for On-Axis Optics <i>(20mm Z travel, 1 µm resolution and 5 µm repeatability)</i>			
		6. Motorized Z Stage <i>(5-phase stepper motor with backlash-free harmonic gear reduction)</i>			
		7. Manual High Precision XY Stage <i>- Up to 25 x 25 mm travel range, Up to 100 x 100 mm sample size, Up to 20 mm thick sample thickness and Up to 500 g working sample load</i>			
		8. Electronics <i>- Supports standard AFM/SPM modes including True Non-Contact mode, dynamic contract mode, contact mode LFM (Lateral Force Microscopy), and phase imaging without any additional hardware/software</i>			
		9. Software for data acquisition, optical view, image processing, analysis and presentation.			
		10. Accessories <i>- Includes a CE-compliant illuminator for sample vision - Includes calibration gratings for lateral calibration (1 ea) and for vertical calibration (1 ea) - 10 pre-mounted contact cantilever and 10 pre-mounted non-contact cantilevers - 10 sample disks - Complete set of instruction manuals</i>			
		11. Computer with dual monitor <i>- Computer: 2nd Generation Intel ® Core ™ i3-2120 Processor (3.30GHz, 3MB) - Memory: 4GB DDR3 1333MHz SDRAM - HDD: 500GB 7200 RPM 3.5" SATA Hard Drive - Graphic Card: Dual DVI - Operating System: Microsoft Windows 7 Professional 32 bit (English)</i>			

Page 2 of 3 pages

(Total Amount in Words)

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Very Truly yours,

Conforme:

(Signature over printed name)

(Date)

Requisitioning Office/Dept.	Funds Available:	Amount	7,950.00
		ALOBS No.	201305060000

PURCHASE ORDER

QR-ADM/PPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline: 837-2071 local 2220 / 2221

13-2016F

Supplier: SIGMATECH INC.	P.O. No.: GF-E-187-2013
Address: <i>Block 136 Lot 1 C. Arellano St., Katarungan Village, Muntinlupa City.</i>	Date: May 15, 2013
	Mode of Procurement: Public Bidding
	PR # 08-2013-0005 ASC # 127-2013

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

Place of Delivery: ADMATED Bldg.	Delivery Term: Ninety (90) calendar days
Date of Delivery:	Payment Term:

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
		TOTAL CARRIED FORWARD			7,950,000.00
		12. Active Vibration Isolation Table for high resolution imaging			
		13. On-site installation and user training including basic and advance operation, application and troubleshooting			
		14. Have a Back-up Support Laboratory in the Philippines Had installed workable AFM in the Philippines (UP Diliman, College of Science-Park Systems XE-BIO AFM, UP Diliman College of Engineering-EEE Institute - Park Systems XE-70 AFM, ST Micro - Park Systems XE-1200)			
		15. Has a ready factory trained engineer to support the service (certificate of training attached)			
		16. Locally supplied correctly rated automatic voltage regulator (AVR)			
		17. Warranty: One (1) year on parts and two (2) years on service (including maintenance and calibration) under normal usage, including consumables			
		Additional Offer: 10 pre-mounted non-contact cantilevers Open Liquid Cell Liquid Probe/Hand			
		<i>[Signature]</i> EDMAR P. CASA Development of Cellulose Acetate/Chitosan Nanofibrous Membrane for the Removal of the Heavy Metals from Wastewater			
		<i>[Signature]</i> ROCHEEL LEE C. DELUTA OIC-PPMS			
		Less: VAT		354,910.71	
		EWT		70,982.14	425,892.85
					<u>7,524,107.15</u>

END-USER:
CHARGE TO:

PREPARED BY:

Page 3 of 3 pages

(Total Amount in Words) *Seven million five hundred twenty four thousand one hundred seven pesos & 15/100*

Conforme:

(Signature over printed name)

(Date)

Very Truly yours,
[Signature]
DR. NUNA E. ALMANZOR
Director

Requisitioning Office/Dept. DR. BLESSIE A. BASILIA Chief-MSD	Funds Available: <i>[Signature]</i> SOLEDAD S. REYES Accountant IV	Amount ALOBS No. <i>7,950,000.00</i> <i>20130517 GEN</i>
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