

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier :	CHEMISPHERE LAB SCIENCES INC.		P.O. No.:	2018-06-0162 (GIAE)	
Address :	Estrella Center Bldg. II Tierra Nueva Commercial Complex Albang Zapote Rd. Cuenca Muntinlupa		Date :	June 26, 2018	
TIN :			Mode of Procurement :	Public Bidding	
<p>Gentlemen:</p> <p>Please furnish this Office the following articles subject to the terms and conditions contained herein:</p>					
Place of Delivery :		Metrology Building (not later than 4:30 pm)	Delivery Term : 90 to 120 days		
Date of Delivery :			Payment Term :		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
	lot	<p>North Star Imaging X5000 225kV Computed Tomography (CT) System</p> <p>*1 Unit X5000 Industrial 2D Digital X-ray and 3D Computed Tomography System</p> <p>System Capabilities:</p> <ul style="list-style-type: none"> -Advance 2D X-ray inspection -2D CT Slice reconstruction -CT volume reconstruction for 3D inspection -3D internal and external surface scanning -Measurement and Analysis tools <p>* 1 Unit X5000 Radiation Enclosure 240kV</p> <ul style="list-style-type: none"> -Radiation shielding to energies of 240kV constant potential -Approximate dimensions: 80" deep, 97" tall, 115" wide(2032mm deep, 2464mm tall, 2724mm wide) -Steel/lead/steel construction -Cable access port with cover -Large motorized sliding access door with safety light curtains -Large lead glass viewing window -Primary and secondary x-ray safety interlocks -Interior lighting -X-ray on warning light -Designed to meet all state and federal X-ray safety regulations <p>* 1 Unit X5000 Seven Axis Manipulator</p> <p>* 1 Unit efx Motion Control Module provides an operator friendly teach and learn interface to create complex motion control programs easily and quickly. Includes additional 30" (762mm) 4mp monitor.</p> <p>* 1 Unit Ergonomic Load allows for the turn table to translate to the door threshold of the cabinet for easy</p>	1	42,919,506.56	42,919,506.56



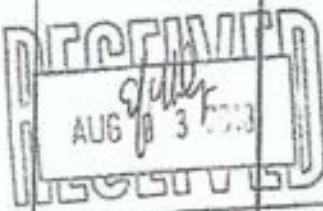
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1A-24607

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		TOTAL CARRIED FORWARD <ul style="list-style-type: none"> * 1 Unit X-ray Tube Microfocus 225kV Directional -Tube Voltage...25 - 225kV -mA Range...0-3 mA -Power...320 W max -Focal Spot Size < 5 microns -Detail Recognition...< 2 microns -10 Meter High Tension Cable -Closed Loop Water Cooler * 1 Unit X-ray Detector Varex 2520DX -8" x 10" (203mm x 254mm) image area -Premium C1' Grade (best quality) -Cesium Scintillator (best contrast) -127 micron pixel pitch. 1536 x 1920 pixels (approx. 3 Megapixels.) -16 bit resolution -30fps (2x2 pixel binning) image acquisition; 12.5 fps at full resolution -Tungsten shielded to 225kV (increased lifetime) * 1 Unit eFX-DR Software -is a high performance image acquisition software with a comprehensive set of analysis tools. * 1 Unit eFX-DR Workstation -Windows® 10 Operating System -Eight-Core Intel® Xeon® Processor -8GB Ram -1 TB SSD Operating System Drive -3TB of Data Storage in RAID 0 Configuration -DVD +/-RW Drive -10/100/1000 Network Interface -Nvidia High Performance Display Adapter -30"(762mm) 4 Mega Pixel Color Display -Wireless Keyboard and Mouse * 1 Unit Ergo Desk and NSI Chair -Industrial ergonomic control console. The ergo console is the ultimate in workstation adjustability and efficiency. Depress the hand release paddle for immediate, yet controlled, surface height positioning from 27.5" to 42.5" 			

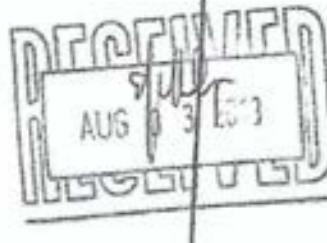


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		easy, independent focal and height adjustment of an entire bank of monitors - without electrical power. The spring counterbalance design provides ease of adjustment with long term reliability. Multimonitor support chair.			
		* 1 Unit efx-DR CT Acquisition Module The CT acquisition module provides automated CT acquisition capabilities for efx-DR. -Capable of CT Acquisition up to 10,000 angle steps -Automatic creation of Technique sheet -Monitors x-ray performance and will pause the CT scan if x-ray interruption is detected -Acquisition of vortex scans -Ring Reduction acquisition capabilities (Note: Ring reduction requires the mosaiX/subpiX module.)			
		* 1 Unit Fast Ct Acquisition Module provides continuous acquisition of thousands of projections for fast CT scans. These Fast CT scans can range from seconds to minutes.			
		* 1 Unit X-View efx-CT 4G eXtreme Reconstruction Workstation Inclusive of Fast CT Premium Reconstruction Software Module eXtreme and efx-CT workstation Premium 4G exTreme.			
		* 1 Unit efx-CT FULL Computed Tomography Software efx-CT is a powerful software program that includes CT geometry calculation, Cone-Beam reconstruction, Fan-Beam reconstruction, 3D real time visualization and analysis tools all in the same interface. efx-CT is Windows based and compatible with Windows 7 or higher.			
		* 1 Unit vortex Hardware and efx Software Module vortex is an automated single pass computed tomography scanning technique utilizing spiral acquisition and reconstruction with a digital flat-panel detector.			
		* 1 Unit mosaiX and subpiX Hardware and efx Software Module			
		* 1 kit Copper Filter Kit			
		* 1 Unit VGStudioMax 64bit Cast & Mold Package (Node-Locked License)			
		* 1 Box Filaments (extra box)			
		<u>Installation</u>			
		-Installation by one NSI personnel and 2 Milice employees			

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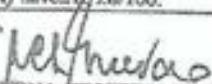
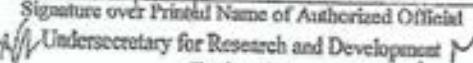
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		<u>Training</u>		42,919,506.56
		International Onsite DR + CT Training by NSI and Millicec (Standard 4 days) -NSI will provide 4 days of on-site DR & CT operation training		
		Digital Radiography & Intro to CT Training (40-hour course) -NSI will provide two (2) seats to the 40 hour ASTM/ASNT Certified DR/CT training course held in Rogers MN. This course follows the recommended curriculum of FWG-IDR, MAI, ASTM and ASME in a format for compliance with NAS 410 and SNT-TC-1A type Qualification/Certification programs.		
		<u>Maintenance & Warranty</u>		
		-Three (3) years warranty / One (1) Year (One Visit) - Open Tube 1st and 2nd Year eDX-DR and eX-CT Software.		
			Less: VAT EWT	1,916,049.40 383,209.88
				2,299,259.28
				40,620,247.28
Page 4 of 4		End User: DR. ARACELI M. MONSADA		

(Total Amount in Words) Forty million six hundred twenty thousand two hundred forty seven and 28/100.

Conforme:	Very truly yours,
Signature over Printed Name of Supplier	 DR. ROWENA CRISTINA L. GUEVARA
Fund Cluster : <u>Trust Fund</u> Admin Expansion and Business Committee	Signature over Printed Name of Authorized Official  Undersecretary for Research and Development ✓ Designation: _____
Funds Available : <u>SOLEDAD S. REYES</u> Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit	ORS/BURS No. : _____ Date of the ORS/BURS: _____ Amount : _____

RECEIVED
AUG 3 2018
7/27