

24.04.06

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

Supplier: DYNALAB CORPORATION	P.O. No.: GAAF-PO-2024-01-0003(STD)
Address: Unit 905 Atlanta Centre, Annapolis St., Greenhills, San Juan, Metro Manila	Date: JANUARY 18, 2024
TIN:	Mode of Procurement: PB

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

Place of Delivery: STANDARDS AND TESTING DIVISION	Delivery Term: 90-120 CD
Date of Delivery:	Payment Term:

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
1	lot	<p>SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING OF ONE (1) UNIT DIRECT MERCURY ANALYZER (THERMAL DECOMPOSITION, AMALGAMATION AND AAS)</p> <p><u>Specifications</u></p> <ul style="list-style-type: none"> - complete system for the analysis of mercury for coal and petroleum samples The NIC MA-3000 determines total mercury in Solid, liquid and Gaseous matrices with additional attachment using the principle of thermal decomposition and amalgamation, and atomic absorption in accordance with USI PA 7473, ASTM D7623, ASTM D-6722-01 No pretreatment of samples is required - Direct Mercury Analysis for results in Only 5 Minutes - Measuring Principle: Non-dispersive Dual-Cell Tri-beam Patented (JP No. 5596995) - Wavelength : 253.7nm - With high quality thermally stabilized Hg-discharge lamp that emits a very strong line emission at 253.7 nm eliminates the need for any intensity robbing optical filtering of the source. - No filter is needed for MA-3000 thus, superior sensitivity for mercury measurement and general performance of MA-3000. - detection limit: < 1 pg (<.001 ng) - Working range: 0.001ng to 70,000ng Hg - Precision at even lower level of measurement of 0.1ng Hg. - Extended Dynamic Range Optics (Patented) 0.001ng-2000ng linearity and cubic fit up to 70,000ng in a single calibration <p>Data Processing sytem:</p> <ul style="list-style-type: none"> - Software complies with FDA CFR 21 part 11 - software capable of guiding users in hardware configuration, instrument optimization, sample acquisition and data analysis - Display peak profile, calibration, raw data, statistics, flow graphics and status - Device control: Analysis condition, blank check, standard check - Data processing: calibration curve, peak height and peak area tabulation, simultaneous LOW and HIGH concentration tabulation, unit selection, concentration conversion, baseline correction, statistics - Autosampler: 100 positions - Positive pressure sample container prevents contamination - Tri-photo sensor optics design offers simultaneous low and high concentration range measurements, avoids cross over and co-elution of high and low peaks, which is inherent in other dual-cell detector design - Special moisture removal step helps to avoid catalyst overloading and saturation while extending the lifetime of catalyst tube - Ceramic sample boats allow for easy acid-washing and drying - Auto-blanking function on unexpected high level measurement to avoid carryover to next samples <p>Power Supply: AC100~240V, 60Hz, 15A</p>			5,020,000.00

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Purchase Order

Appendix E1

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: DYNALAB CORPORATION	P.O. No.: GAAE-PO-2024-01-0003 (STD)
Address: Unit 905 Atlanta Centre, Annapolis St., Greenhills, San Juan, Metro Manila	Date: January 12, 2024 /s
TIN:	Mode of Procurement: PB

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

Place of Delivery: STANDARDS AND TESTING DIVISION	Delivery Term: 90-120 CD
Date of Delivery:	Payment Term:

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
1		Detailed offer:			
	1	JJJ-MA3	"NIC" MA-3000 Direct Mercury Analyzer		
	1	W139-C3	Includes the following:		
	1 set	xxx	Automatic Mercury Analyzer with built-in 100 position autosampler		
	1		Standard Accessories comes with MA-3000 as follows:		
	1		Power Supply Cable		
	50		Sample Boat (Ceramic)		
	10		Tray for Sample Boat (Large)		
	1		Tray for Sample Boat (Small)		
	1 btl		Additive Reagent B500g		
	2		Sample Heating Tube		
	1		Joint for regulator (SS-4MO-2-4-RT)		
	2		Mercury Collector Tube T-65		
	1		Teflon Joint 6 φ		
	1		Tweezers 180mm		
	1		O-ring P-22A		
	1		Spatula		
	1		Joint S16164		
	1		Joint 30-4RUE3-S		
	1		Joint 30-34-S		
	1		Grease		
	3		Screw M3 x 10		
	3		Screw M3 x 8		
	1 btl		L-cysteine 1g		
	1		Driver NB-25		
	1		Driver EAS60LA-2		
	1		Spanner		
	1		RS232C Cable		
	1	S1037-0819	Data Acquisition Software		
	1	RA1-REFX-USB-60F	USB Converter		
		Spares/Consumables for MA-3000 (Combustion)			
	1	S1037-0907	Mercury Collector Tube		
	1	W139-1360	Sample Heating Tube		
	2 sets	S1106-0702	Sample Boat (Ceramic), 25 pcs/set		
	1	S-W001-1300	Joint Set for MA-3000		
	1	W139-7300	Humidification Unit for MA-3000		
	2 bottles	WKO-B-500	Additive Reagent B Activated Alumina, 500g		
	2 bottles	KAN-01084-12	Activated Charcoal 250g/btl		
	2 bottles	NAC-LSYSIG	L-Cysteine, 1 gram		
	1	NC0000397	O-ring for Inlet Mount		
	1	VLQ-P-24-F	O-ring for Inlet Axis		
	1	N-41663	Teflon Joint 6φ		
	1	W139-1830	Reducing Union T-shaped Joint		
	1	W139-1840	Reducing Union Cross Joint		
	1	FLW-30-4RUE3-S	Reducing Union Elbow		
	1	FLW-30-3U-S	Union		
	1	S1037-0202	PTFE Teflon Tube 2x3φ, 1m		
	1	W139-1451	Boat Handling Poker		
	1	W139-1383	Boat Handling Poker (Ceramic)		
	1	FLW-30-4UE-C	Elbow Joint(4φ)		
	1	S1037-0130	Tygon Tube (for Dehumidifier)		
	1	S1037-0203	PTFE Teflon Tube 2 x 4φ		
		Spare Parts During Preventive Maintenance for Two (2) years			
	2	S1037-0907	Mercury Collector Tube, T-65		
	2	NC0000397	O-ring for Inlet Mount		
	2	S1037-0202	PTFE Teflon Tube 2x3, 1m		
	2	W139-1120	Activated Carbon Cartridge (for outlet)		
	2	VLQ-P-24-F	O-ring for Inlet Axis		
	2	W139-1130	Activated Carbon Cartridge (for Carrier Gas)		
	2	S1106-0621	Sample Heating Tube Appendix K (for High Halogen matrices)		
	2	S-W001-1300	Joint Set for MA-3000		
	2 sets	S1106-0702	Sample Boat (Ceramic) 25pcs/set		

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Supplier: DYNALAB CORPORATION	P.O. No.: GAAE-PO-2024-01-0003(STD)
Address: Unit 905 Atlanta Centre, Annapolis St., Greenhills, San Juan, Metro Manila	Date: January 18, 2024
TIN:	Mode of Procurement: PB

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

Place of Delivery: STANDARDS AND TESTING DIVISION
 Date of Delivery: _____ Delivery Term: 120 CD
 Payment Term: _____

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
Inclusion of the total system:					
1	1	XXXXX Complete PC System with Printer complete PC system with multi-functional colored printer (with additional spare complete ink set) and 24 inches monitor Processor: Intel i7 core or equivalent Operating System: compatible with equipment software RAM: 8 GB or better, ROM: 2 TB SSD -includes MS Office (Word, Excel, Powerpoint) lifetime license -computer accessories which include but not limited to wired mouse, wired keyboard, router, dedicated UPS and AVR (as per computer requirements)			
	1	XXXXX Automatic Voltage Regulator			
	1	XXXXX Uninterrupted Power Supply (UPS) 220V, 5 KVA with 30mins back-up (for the equipment)			
	2	XXXXX Gas Tanks (Oxygen)			
	1	XXXXX Double Stage Regulator			
	set	XXXXX Tubings			
	1	XXXXX NIST SRM 2778 Mercury in Crude Oil			
	1	XXXXX NIST SRM 2692C Bituminous Coal			
	1	XXXXX Table and Equipment chair (Note: as per specifications)			
	1	XXXXX Ducting			
Warranty: Three (3) years warranty on parts and services Annual Preventive Maintenance (PM), replaceable consumables (maintenance kits) during PM and electrical system (UPS and AVR) maintenance and replaceable parts found within the warranty period are included in the warranty.					5,020,000.00
Less: VAT					224,107.14
EWT					44,821.43
TOTAL:					4,751,071.43
END USER: JOHN CYRUS O. ALFARO					

(Total Amount in Words) : Four Million Seven Hundred Fifty One Thousand Seventy One Pesos & 44/100

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 items.

Conforme: *[Signature]* Agnes D. Herrera
 Signature over Printed Name of Supplier
 Date: 1/31/2024

Very truly yours, *[Signature]* DR. ANNABELLE V. BRIONES
 Signature over Printed Name of Authorized Official
 Director
 Designation: 7-1/19

Fund Cluster: GAA-CAPITAL OUTLAY 2024

Funds Available: _____

[Signature] Jan 31, 2024
 PATRICIA ASHLEY M. MENDOZA
 Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II

ORS/BURS No.: *[Handwritten]*
 Date of the ORS/BURS: _____
 Amount: *[Handwritten]* 4,510,000.00

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