

PURCHASE ORDER

QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOCT Compound, Gen. Santos Ave., Bicutan, Taguig City
DOCT Phone: 837-2071 loca 2220 / 2221

12-128-01

Supplier: **ITS SCIENCE (PHILS) INC.**

P.O. No.:

GF-E-177-2015

Address: **3434-C C. Raymundo Avenue,
Pasig City**

Date:

July 10, 2015

Mode of Procurement:

Public Bidding

POSS:

Resolution No.

PR # **04-2015-0111**

ASC #

251-2015

Gentlemen:

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

Place of Delivery: **Metrology Bldg. (not later than 3.00 P.M.)**

Delivery Term:

Sixty (60) calendar days

Date of Delivery:

Payment Term:

Stock No.

Unit

Description

Quantity

Unit Cost

Amount

Unit

ATOMIC ABSORPTION SPECTROMETER

1

1,755,000.00

1,755,000.00

Part Number N3180011

PiAAcle 500 Touch with HSN, on-board PC with

Syngistix Touch Software, 4-Lamp Holder & D2

Background Correction, 100-230V, 50/60Hz

Brand: PerkinElmer

Origin: USA

System has the following safety interlocks:

***Burner head**

***level of the liquid in drain vessel**

***Nebulizer**

***gas pressures**

***end cap**

***flame safety interlock**

***burner drain system**

System includes:

-Flame Automizer

**-Air/Acetylene Titanium Burner Head, 10-cm with
external burner rotation**

-Adjustable Corrosion resistant nebulizer

-Drain Vessel

-Flame AA Shipping Kit and supplies (1 year)

-CO & Operational Manual

-ISO Compliance & Calibration Certificate

Specifications:

-Monochromator

**Litrow design with motorized drive for automatic wavelength
selection and peaking**

Wavelength range: 180-900 nm

Diffraction grating: 1800 lines/mm blazed at 235 nm and 597 nm

Page 1 of 7 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,

Conforms:

(Signature over printed name)

(Date)

Requisitioning Office/Dept

Funds Available

Amount

ALOPS No

PURCHASE ORDER

QR-ADMPP5-34

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

ICSF Compound, Gen. Santos Ave. Station, Taguig City
ICSF Truck No. 837-2011, 838-2220, 2227

Supplier: ITS SCIENCE (PHILS) INC.	P.O. No.: GF-E-177-2015	
Address: 3424-C C. Ramonosa Avenue, Pasig, Pasig City	Date: July 10, 2015	
	Mode of Procurement: Public Bidding	
	Resolution No.	
	PR # 04-2015-0111	ANC # 251-2015

Comments:

Please look at this office the following articles to the terms and conditions contained here in

Place of Delivery	Metrology Bldg (not later than 3.00 P.M.)	Delivery Time	Sixty (60) calendar days
Date of Delivery		Payment Term	
Stock No.	Unit	Description	Quantity
		TOTAL CARRIED FORWARD	7,755,000.00

Grating area: 64 x 72 mm
Reciprocal linear dispersion: 1.6 nm/mm (nominal)
Focal length: 257 mm

-Spectral Bandwidths

User selectable automatic slit widths of 0.2, 0.7 and 2.0 nm at their optimized slit height

-Automatic Lamp Selection

4-lamp mount with built-in power supplies for PerkinElmer cableless Lumina™ hollow cathode and patented electrodeless discharge lamps. Computer-controlled lamp selection and alignment via Syngistix Touch™ or optional Syngistix™ for AA software. Lamp elements and recommended operating currents are automatically recognized and set when Lumina hollow cathode lamps (HCLs) and PerkinElmer electrodeless discharge lamps (EDLs) are used.

-Detector

Wide-range segmented solid-state detector, including a built-in low-noise CMOS charge amplifier array

-Background Correction

Built-in continuum source double-beam background correction using a high-intensity deuterium arc lamp

-Corrosion Resistance

All the PCBAs are conformal coated for complete resistance to corrosion

-Gas Controls

Fully computer-controlled with oxidant and fuel monitoring. Touchscreen or keyboard-activated remote ignition system with air/acetylene. Acetylene flow is automatically adjusted prior to the oxidant change when switching to or from nitrous oxide/acetylene operation.

Page 2 of 7 pages

(Date Amount) in Words

In case of late delivery with a late time and late delivery a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed

Very Truly yours,

Confirms:

(Signature over printed name)

Date:

Requesting Office/Dept

Funds Available:

100%

PURCHASE ORDER

DR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Alabaster, Taguig City
DOST Tracking: 837-2571 local 2220 / 2221

10-1826

Supplier: ITS SCIENCE (PHILS), INC.

P.O. No.:

GF-E-177-2015

Address: 3434-C C. Raymundo Avenue
Pasig City

Date:

July 10, 2015

Mode of Procurement:

Public Bidding

PR #

34-2015-0111

ASG #

251-2015

Gentlemen:

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

Place of Delivery:

Metrology Bldg. (not later than 3:00 P.M.)

Delivery Term:

Sixty (60) calendar days

Date of Delivery:

Payment Term:

Stock No.:

Unit:

Description:

Quantity:

Unit Cost:

Amount:

TOTAL CARRIED FORWARD

1,785,000.00

-Safety Functions-

Interlocks prevent ignition if the proper burner head, the nebulizer/end cap, or the burner drain system is not correctly installed; the liquid level in the drain vessel is incorrect; or gas pressures are too low. Interlocks also will automatically shut down burner gases if a flame is not detected, or if any of the other interlock functions are activated. Provision is included for safe shutdown from all operating modes in the event of a power failure.

-Sample Introduction System-

Modular sample introduction system consisting of a quick-change spray chamber, burner head and nebulizer. The introduction system is equipped with a high-strength inert mixing chamber, angled to ensure proper drainage. Choice of high-sensitivity, corrosion-resistant, plastic nebulizer or durable stainless steel nebulizer. The standard burner head is all-titanium, 10 cm, single-slot for air/acetylene operation. Optional burner heads include: 5 cm nitrous oxide/acetylene, 5 cm air/acetylene, and 10 cm 3-slot air/acetylene. The flame shield is polymer coated for resistance to corrosion from acid fumes from the environment or from the samples.

-User Interface-

The standalone PinAAcle 500 AA provides complete control through an innovative touchscreen interface. Its easy-to-use Syngistix Touch™ software enables you to start the analysis in three steps, and offers flexibility for lamp setup, flame

Page 3 of 7 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,

Conforms:

(Signature over printed name)

Date:

Requisitioning Office/Dept

Funds Available:

Amount:

IALCBS No.

PURCHASE ORDER

GR-AOMM15-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DDST Compound, Gen. Santos Ave., Section Taguig City
DDST Trucking 937-2071 local 2220-2221

P. 112 14

Supplier: ITS SCIENCE (PHILS), INC.	P.O. No.: GF-E-177-2015
Address: 2434-D D. Raymundo Avenue Pasig City	Date: July 10, 2015 Mode of Procurement: Public Bidding Revision No.: P.O. # 04 2015-0111 ASD # 251-2015

Comments:
Please furnish this office the following actions to the terms and conditions contained herein:
Place of Delivery: Metrology Bldg. (not later than 3.00 P.M.) Delivery Term: Sixty (60) calendar days
Date of Delivery: Payment Term:

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
-----------	------	-------------	----------	-----------	--------

TOTAL CARRIED FORWARD

1,735,000.00

control, parameter selection and sample analysis. The Tools menu provides access to recommend conditions, sample information, method storage and recall, data transfer and service diagnostic screens. Results are automatically stored in the Data Manager and can be printed using standard templates. In addition to English, the PinAAcle 500 AA supports multiple languages, including Chinese (simplified), French, German, Greek, Italian, Japanese, Polish, Portuguese (Brazilian), Russian, and Spanish.

-Display

15" 26 Million display colors TFT LCD with embedded resistive touchscreen. Compatible with VGA (640 x 480), SVGA (800 x 600) and XGA (1024 x 768). Coated for maximum durability and lifetime.

-Built-in Computer

The touchscreen interface operates via a on-board computer that comes with Intel Core i3 2.3GHz with 4GB RAM and 2.5" SATA 64GB SSD. Serial ports, USB 2.0 ports, VGA/HDMI/DVI, Gigabit Ethernet ports.

-Data Control System

In addition to Syngistix Touch software, the instrument can also be controlled and operated via the more comprehensive, optional Syngistix for AA software operating under Microsoft Windows 97. Syngistix for AA software provides complete control of the instrument and its major accessories, plus data handling and storage, post-analysis reprocessing, and simultaneous second-session of the data control system.

Page 4 of 7 pages

100% Attention to Detail

In case of failure to meet the delivery date, the late payment shall be 3% penalty of amount due (P.O. #) of one percent for every day of delay shall be imposed.

Very Truly yours

Conform:

Signature over printed name

Date

Recommending Office/Dept

Units/Reserve

Amount

A.O.S. No

GR-AOMM15-04

PURCHASE ORDER

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

QR-ADMPPS-04

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Hotline: 837-2071 local 2222 / 2221

15-169-65

Supplier: ITS SCIENCE (PHILS), INC.	P.O. No.: GF-E-177-2015
Address: 2424-C C. Raymundo Avenue, Pasig City	Date: July 13, 2015
	Mode of Procurement: Public Bidding
	Resolution No.
	PR # 04-2015-0111 ASC # 251-2015

Gentlemen:

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

Place of Delivery	Metrology Bldg. (not later than 3:00 P.M.)	Delivery Term	Sixty (60) calendar days
Date of Delivery		Payment Term	

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
TOTAL CARRIED FORWARD					1,785,033.00

-Data Handling

Instrument readings linear in absorbance (± 0.001 A to ± 2.000 A), concentration, or emission intensity with continuously variable scale expansion from 0.01 to 100 times. Integration times operator-selectable from 0.1 to 170 sec in increments of 0.1 sec. Reading modes include time-averaged integration, non-averaged integration (peak area), and peak-height measurement. Includes built-in statistics. Up to thirty (30) standards and a choice of proven calibration equations. Reslope of the analytical curve using a single operator-selected calibration standard. Built-in Ethernet interface for computer connection and use of optional accessories. Data collection time of up to 20 mins.

-System Power Requirements

100-230V ($\pm 10\%$), 50/60 Hz ($\pm 1\%$), single phase alternating current, 800 VA (maximum)

-Electrical Protection

As defined in EN 61010-1; Insulation Class I; Installation Category II; Pollution Degree 2.

-Certification

Designed and tested to be in compliance with the legal requirements for laboratory instruments. The instrument is developed and produced in compliance with ISO 9001 and ISO 13485. Syngistix for AA software provides required control parameters for GLP and instrument performance validation.

Page 5 of 7 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

Conforms:

(Signature over printed name)

(Date)

Requisitioning Office/Dept.	Funds Avail. acc.	Amount	ALOS No.

PD 1000002, 2004

PURCHASE ORDER

QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., DOST, Taguig City
DOST Tel/Fax: 837-2571 loc. 2220 / 2201

10 177 GF

Supplier: ITS SCIENCE (PHILS), INC		P.O. No.: GF-E-177-2015	
Address: 3424-D G. Raymundo Avenue, Pasig, Metro City		Date: July 10, 2015	Mode of Procurement: Public Bidding
Project No.: 251-2015	Item No.: 251-2015		
Please furnish this office the following articles to the terms and conditions contained herein:			
Place of Delivery: Metrology Bldg. (not later than 3:00 P.M.)	Delivery Term: Sixty (60) calendar days		
Date of Delivery: _____	Payment Term: _____		
Stock No.: _____	Description: _____	Quantity: _____	Unit Cost: _____
TOTAL CARRIED FORWARD			Amount: 1,765,000.00

-Safety Standards

EN 61010-1, EN 61010-2-001, CSA C22.2 No. 1010.1, CSA C22.2 No. 1010.2-001, The instruments bear the CE Mark and the CSA/NRTL Certification Mark. EMC Standards EN 61326, EN 55011, EN 61000-3-2, EN 61000-3-3.

-Environmental Requirements

Dust-free, free of vibrations, ambient temperature: +10 °C to +35°C, with a change of a maximum 3°C per hour. Relative humidity: 20 to 80% non-condensing.

-Dimensions and Weight (W x D x H)

PinAAceto 560 (no LCD Touchscreen) 67 cm (26 in.) 53 cm (21 in.) 64 cm (25 in.) 57 kg (125 lbs)

-LCD Touchscreen 35 cm (14 in.) 5 cm (2 in.) 28 cm (11 in.) 3.5 kg (8 lbs)

*Air/Acetylene Filter, Part No. N9301396

Recommended for use with all AA spectrometers with microcomputer gas controls, includes two-stage filtration for compressed air (part numbers N930-1719 for 1st stage replacement filter cartridge and N930-1711 for 2nd stage filter cartridge) and for acetylene (part number N930-1714 for the replacement acetylene filter cartridge) plus flashback arrestor for enhanced safety

Hollow Cathode Lamps and Standards:

N3050171 Copper Lumina Hollow Cathode Lamp 1
N3050191 Zinc Lumina Hollow Cathode Lamp 1
N3050102 Nickel Lumina Hollow Cathode Lamp 1
N3050175 Tin Lumina Hollow Cathode Lamp 1
N3050157 Lead Lumina Hollow Cathode Lamp 1
N3050149 Sodium Lumina Hollow Cathode Lamp 1
N3050139 Potassium Lumina Hollow Cathode Lamp 1

(Total Amount in Words)

In case of failure to make the full delivery within the time specified, every day of delay shall be imposed.

Conforms:

(Signature over printed name)

(Date)

Requesting Office: DOST

Procurement

Project
N3050139

PURCHASE ORDER

GR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Avenue, Bicutan, Taguig City
DOST Trunk -# 837-2071 Local 2220 / 2221

/T-125-27

Supplier ITS SCIENCE (PHILS), INC.	P.O. No.: GF-E-177-2015	
Address 3424-C C. Ruyvenzo Avenue, Rosara, Pasig City	Date July 10, 2015	
	Mode of Procurement Public Bidding	
	Resolution No.	
PD41-1	PR # 04-2015-3111	ASC # 251-2015

Gentlemen:

Please furnish in 5 office the following articles to the terms and conditions contained herein:

Place of Delivery Metrology Bldg. (not later than 3:00 P.M.)	Delivery Term Sixty (60) calendar days	
Date of Delivery	Payment Term	

Stock No.	Unit	Description	Quantity	Unit Cost	Amount
-----------	------	-------------	----------	-----------	--------

TOTAL CARRIED FORWARD

1,795,000.00

N3050119 Chromium Lumina Hollow Cathode Lamp

1

N3050102 Silver Lumina Hollow Cathode Lamp

1

ITS-PH AAS Calibration Standards for Elements

9

mentioned above

Other Local Supplies:

ITS-PH UHP Acetylene Gas Tank (Full)

1

ITS-PH Heavy Duty Acetylene Regulator

1

ITS-PH Branded Intel Core i5 Desktop PC w/19" LED

1

Monitor & HP Printer and software

ITS-PH Hi-Tech AVR 3KVA Capacity, 220V, 50/60Hz

1

-With calibration certificate

-One (1) year supply of consumables

-One (1) year warranty on parts & services

-Three (3) years Parts and Maintenance Service

-Training of end-users (at least 10 pax)

-Foreign training for 3 pax

-Free installation of unit as well as fabrication

and installation of appropriate ventilation/hood

system for the equipment is included in the

package

Less: VAT 79,557.50

EWT 19,937.50 **95,525.00**

1,699,375.00

END-USER
CHARGE TO

BERNARD JUDE M. GUTIEREZ
2015ATO Equipment Cellay

PREPARED BY:

ROCHELLE C. DELUTA

Administrative Officer IV

Page 7 of 7 pages

(Total Amount in Words): One million six hundred eighty nine thousand three hundred seventy five pesos & 00/100

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.

Very Truly yours,



YARIA PATRICIA V. AZANZA, Ph.D.

Director

Confirms:

(Signature over printed name)

(Date)

Requesting Office/Dept

Funds Available

Amount

A-CBS No

REYNALDO L. ESGUERRA

Chief-EBD

SOLEDAD S. REYES

Accountant IV

YARIA PATRICIA V. AZANZA

Director