

# PURCHASE ORDER

QR-ADMPPS-04

## INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

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

12-217TF

|           |  |                      |                        |                       |
|-----------|--|----------------------|------------------------|-----------------------|
| Supplier: | <b>GRYKE SCIENTIFIC INSTRUMENTS TRADING</b>                      | P.O. No.:            | <b>GIA-E-205-2012</b>  |                       |
| Address:  | 29 J. Galvez Bldg., Severina Avenue, IDI Village, Parañaque City | Date:                | <b>August 16, 2012</b> |                       |
|           |  | Mode of Procurement: | <b>Public Bidding</b>  |                       |
| PO-08-7   |  | Resolution No.:      |                        |                       |
|           |  | PR #                 | <b>08-2012-0250</b>    | ASC # <b>260-2012</b> |

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

|                    |                   |                |                                      |
|--------------------|-------------------|----------------|--------------------------------------|
| Place of Delivery: | <b>EPCD Bldg.</b> | Delivery Term: | <b>Forty five (45) calendar days</b> |
| Date of Delivery:  |                   | Payment Term:  |                                      |

| Stock No.                      | Unit | Description  | Quantity | Unit Cost    | Amount              |
|--------------------------------|------|--|----------|--------------|---------------------|
| 1                              | set  | <p><b>STA 6000 Lab System (Simultaneous Thermal Analyzer) TG/DTA. 115/220VAC, 50/60Hz</b><br/><b>Ref: N5370025</b></p> <p><i>Includes: Pyris Manager Software Pyris Software, Aluminum Pan &amp; Ceramic Pan (good for at least 100 runs), Integrated Gas Control, and switching device, Calibration Standard (Indium &amp; Aluminum Reference Materials) Calibration Weight, Tweezers, &amp; Manual</i></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>*Furnace type: Top loading easy loading and unloading in manual and automated mode. Small footprint allows for the best use of lab. space</li> <li>*Temperature Range: 15 °C to 1000 °C Start experiments below room temp. to capture complete moisture and solvent evaporation</li> <li>*Sensitivity: 0.5uW</li> <li>*Temperature calibration: Metal standards</li> <li>*Heating rate: ambient to 1000 °C 0.1 to 100 °C/min.</li> <li>*Thermocouples: PT-PT/Rh 13% Type R, Furnace cooling Forced air and chiller Fastest cool down for higher productivity</li> <li>*Sample capacity: 1500mg</li> <li>*Balance design: Single beam vertical, user exchangeable SaTurnA Sensor Optimized for performance, reliability and productivity</li> <li>*Balance sensitivity: 0.1ug</li> <li>*Calorimeter Accuracy/precision: +/-2% based on metal std.</li> <li>*Mass Flow control and gas switch integrated: Mass flow gas control and switching for accurate environmental control and high precision analysis</li> <li>*Sample pans: Alumina, 180ul cap.</li> <li>*Temperature accuracy: &lt;+/-0.5 °C</li> <li>*Temperature Reproducibility: &lt;+/-0.5 °C, Cooling rate 1000 °C to 100 °C under 12 min, 1000 °C to 30 °C under 20 min, Fastest cool down for higher productivity</li> </ul> | * 1      | 1,798,300.00 | 1,798,300.00        |
| <b>Page 1 of 2 pages</b>       |      |  |          |              | <b>1,798,300.00</b> |
| <b>(Total Amount in Words)</b> |      |  |          |              |                     |

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. _____ |

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|   | Resolution No.                             |
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| Stock No.                    | Unit | Description  | Quantity         | Unit Cost | Amount              |
|------------------------------|------|--|------------------|-----------|---------------------|
| <b>TOTAL CARRIED FORWARD</b> |      |  |                  |           | <b>1,798,300.00</b> |
|                              |      | *Autosampler: (Optional) 45 positions, Run more samples unattended allowing for maximum reproducibility and productivity   |                  |           |                     |
|                              |      | *FT-IR Coupling (Hyphenation Technique):<br>Compatible w/Spectrum IR as well as most other FT-IRs instrument, Spectrum Timebase Software & accessories (e.g. Heated gas cell, heated transfer line, temperature controller) for complete qualitative and quantitative characterization of a thermal decomposition process. |                  |           |                     |
|                              |      | <b>Other accessories: (Included)</b>   |                  |           |                     |
|                              |      | 1 unit STA (TG-DTA) Cooling System Ref: N5370221   |                  |           |                     |
|                              |      | 1 set Branded Intel Corei3 Duo PC w/17" LCD Monitor, Windows 7 Operating System & Colored HP Printer   |                  |           |                     |
|                              |      | 1 unit Silent Type Air Compressor, Oilless, 1HP, 200-230VAC, 50/60Hz   |                  |           |                     |
|                              |      | 1 unit Heavy Duty Air Filter with Regulator  |                  |           |                     |
|                              |      | 1 unit Nitrogen Tank Regulator   |                  |           |                     |
|                              |      | 1 unit H-Tech AVR 3KVA w/surge protector 220VAC, 50/60 Hz  |                  |           |                     |
|                              |      | 1 unit Exhaust Blower, Vent and Hood with Movable Arm  |                  |           |                     |
|                              |      | <b>Terms and Conditions:</b>   |                  |           |                     |
|                              |      | * The instrument's Installation, commissioning as initial operation will be done by Gryke Scientific Instruments Trading's service engineer  |                  |           |                     |
|                              |      | *Will provide initial training on use, application and maintenance of the instrument as part of after sales service  |                  |           |                     |
|                              |      | *The instrument carries a one (1) year warranty on parts and services against factory defects. Date of warranty starts after installation and commissioning or 3 months from date of shipment whichever comes first  |                  |           |                     |
|                              |      | *Includes free training for two (2) at PerkinElmer Reg Training Center   |                  |           |                     |
|                              |      |  | <b>Less: VAT</b> | 80,281.25 |                     |
|                              |      |  | <b>EWT</b>       | 16,056.25 |                     |
|                              |      |  |                  |           | <b>96,337.50</b>    |
|                              |      |  |                  |           | <b>1,701,962.50</b> |

END-USER:  
*[Signature]*  
**JO ANN C. SY**

CHARGE TO:  
PCIEERD Assisted  
Project: ADMATEL

PREPARED BY:  
*[Signature]*  
**REBECCA L. SANTIAGO**  
Administrative Officer V

Page 2 of 2 pages  
(Total Amount in Words) **One million seven hundred one thousand nine hundred sixty two pesos & 50/100**

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,  
*[Signature]*  
**DR. NUNA E. ALMANZOR**  
Director

Conforme:  
\_\_\_\_\_  
(Signature over printed name)

\_\_\_\_\_  
(Date)

|   |  |  |
|---|--|--|
| Requisitioning Office/Dept.<br><b>DR. BLESSIE A. BASILIA</b><br>Chief-MSD | Funds Available:<br><i>[Signature]</i><br><b>SOLEDAD S. REYES</b><br>Accountant IV | Amount<br>ALOBS No. <b>71,798,300.00</b> |
|---|--|--|

**FINANCIAL MANAGEMENT DIVISION**