

NOTICE OF AWARD

EMMANUEL A. ACERO

President
 Molave Trading Inc.
 891 E. Delos Santos Ave., Diliman, Quezon City

Dear **Mr. Acero**:

We are pleased to inform you that your bid dated July 30, 2024 for the execution of the contract for the **Supply and Delivery of various Technical and Scientific Equipment for CY 2024 Batch 2-IB NO: BSWM-2024-07-048 Lot 2** with a Contract Price equivalent to **Eleven Million Nine Hundred Eighty Eight Thousand Ninety Seven Pesos (PhP 11,988,097.00)** undertaken through Public Bidding being the **Single Calculated and Responsive Bid (SCRB)** has been **accepted**.

| Item No. | Description | Offered Brand/ Model | Qty | Unit | Unit Cost | Total |
|----------|--|--------------------------------------|-----|------|--------------|--------------|
| | LSD-NSHP-PR NO. 2024-05-0872 | | | | | |
| | Supply and Delivery of Various Spectroscopy and Chromatography Equipment | | | | | |
| | LOT 2 | | | | | |
| 1 | Atomic Absorption Spectroscopy | Brand: Agilent Model: Agilent 280 | 1 | lot | 2,940,335.00 | 2,940,335.00 |
| | Specifications: | | | | | |
| | Wavelength range: 190.0 to 900.0 nm (or wider) | | | | | |
| | Monochromator: Aberration-corrected Czerny-Turner mounting, Number of grating grooves: 1600-1800 lines / mm, Focal length: Less than or equal to 330 mm, or Equivalent | | | | | |
| | Detector: Photomultiplier tube / Solid State Detector | | | | | |
| | Optics: Optical double-beam | | | | | |
| | Background correction method: BGC-D2 (D2 Hollow Cathode lamp method) (185.0 to 430.0 nm) | | | | | |
| | Number of turret: at least 8 | | | | | |
| | Lamp mode: EMISSION, NON-BGC, BGC-D2 | | | | | |

| | | | | | |
|--|--|--|--|--|--|
| Measurement mode: Flame continuous method, flame emission method, flame absorption method | | | | | |
| Simultaneous or sequential determination on multiple wavelengths | | | | | |
| Standard Accessories: | | | | | |
| Autosampler - at least 50 samples w/ Sampling Kit | | | | | |
| Compressor - Silent Type (if applicable) | | | | | |
| Nebulizer setup | | | | | |
| Desktop PC unit with printer and UPS | | | | | |
| Instrument Grade with Acetylene Gas with tank (3) with Gas Cage | | | | | |
| Deuterium Lamp - 1pc | | | | | |
| Hallow Cathode Lamp (1 per element) : Na, Ca, Mg, K, Fe, Cu, Mn, Zn, Cd, Pb, As, Cr | | | | | |
| AAS Standard Solution corresponding to HCL : 500 mL / bottle | | | | | |
| With End-User training (No. of pax: At least 2 pax) using the same brand and model of the offered equipment conducted by Authorized Representative/s of the Manufacturer with venue at manufacturer's training facility | | | | | |
| Power Requirements: 220-240 V, 60Hz | | | | | |
| Desktop specifications: | | | | | |
| Desktop PC unit with printer and UPS | | | | | |
| Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) subject to change considering software compatibility | | | | | |
| Storage: at least 500GB M.2 PCIe NVMe SSD | | | | | |
| Memory: at least 16GB, DDR4 (upgradable) | | | | | |
| Operating System: Windows 10/11 Pro subject to change considering software compatibility | | | | | |
| MS Office: Microsoft Office 2021 (license) | | | | | |
| Accessories included: | | | | | |
| AVR (compatible to the system) | | | | | |
| Tygon tubes and sampling tubes | | | | | |
| Air filter | | | | | |

| | | | | | | |
|---|---|------------------------------------|---|-----|--------------|--------------|
| | One (1) year warranty on parts and repair services | | | | | |
| | Free PMS for three (3) years inclusive of PM kits, consumables, and replacement of lamps within prescribed period | | | | | |
| 2 | UV-Vis Spectrophotometer | Brand: Agilent Model: Cary 3500 | 2 | lot | 1,442,041.00 | 2,884,082.00 |
| | Specifications: | | | | | |
| | Photometric System – Double beam | | | | | |
| | Monochromator – Double monochromator / Monochromator with imaging grating or equivalent | | | | | |
| | Source – Xe / Halogen (Tungsten) - D2 Lamp | | | | | |
| | Wavelength Range – 190-1100 nm | | | | | |
| | Detectors – Silicon photodiode detectors for simultaneous measurement of different channels | | | | | |
| | Wavelength accuracy (nm) $\pm 0.1 - 0.3$ nm | | | | | |
| | Wavelength reproducibility/repeatability (nm) < 0.05 | | | | | |
| | Limiting Resolution – 0.02 nm - 0.1 nm | | | | | |
| | Spectral bandwidth 0.1 to 5 nm at 0.01 nm | | | | | |
| | Data collection rate 250 data points per second | | | | | |
| | Desktop PC unit with printer and UPS | | | | | |
| | Unit with sipper (and 5 spare tubings) 3 extra lamp source (if source is Halogen (Tungsten) - D2 Lamp) printer, UV workstation software compatible with equipment, and complete genuine office and OS | | | | | |
| | With 5 pcs, 1000 ppm NIST Traceable Phosphorus Standard Solution corresponding (1) 500 mL / bottle & 5 pcs Sucrose Standard, NIST Traceable with Certificate of Analysis, 100g/bottle | | | | | |
| | Desktop specifications: | | | | | |
| | Processor: i7-12th Gen / R7 Zen3+(RDNA2 based) subject to change considering software compatibility | | | | | |
| | Storage: at least 500GB M.2 PCIe NVMe SSD | | | | | |

| | | | | | | |
|---|--|-----------------------------|---|-----|--------------|--------------|
| | Memory: at least 16GB, DDR4 (upgradable) | | | | | |
| | Operating System: Windows 10/11 Pro subject to change considering software compatibility | | | | | |
| | MS Office: Microsoft Office 2021 (license) | | | | | |
| | Printer specifications: | | | | | |
| | Can print up to Legal size (8.5 x 14 in), color, black | | | | | |
| | Can copy and scan up to A4 size, color, black | | | | | |
| | Has wireless capability | | | | | |
| | Has mobile printing capability | | | | | |
| | Print speed: Black - up to 8 ppm; Color - up to 5 ppm | | | | | |
| | Print quality: Black - up to 1200 x 1200 dpi; Color - up to 4800 x 1200 dpi | | | | | |
| | Copy speed: Black - up to 5 cpm; Color - up to 3 cpm | | | | | |
| | Copy resolution: up to 300 x 300 dpi | | | | | |
| | Scan resolution: up to 1200 dpi | | | | | |
| | Paper handling: Input - up to 60 sheets; Output - up to 25 sheets | | | | | |
| | Connectivity: Hi-speed USB; Built-in WiFi 802.11 b/g/n | | | | | |
| | 200 - 240 VAC" | | | | | |
| | Accessories included: | | | | | |
| | UV software | | | | | |
| | Sample holder | | | | | |
| | AVR (compatibel with the system) | | | | | |
| | With End-User training (No. of pax: At least 2 pax) using the same brand and model of the offered equipment conducted by Authorized Representative/s of the Manufacturer with venue at manufacturer's training facility | | | | | |
| | One (1) year warranty on parts and repair services | | | | | |
| | Free PMS for three (3) years inclusive of PM kits, consumables, and replacement of lamps within prescribed period | | | | | |
| 3 | <i>Ion Chromatography</i> | Metrohm 930 Compact IC Flex | 1 | lot | 6,163,680.00 | 6,163,680.00 |
| | Specifications: | | | | | |
| | Sequential System | | | | | |

| | | | | | |
|--|--|--|--|--|--|
| Detection System: Conductivity Detection, Anion Chemical Suppressor | | | | | |
| Type: Modular | | | | | |
| Solvent delivery method: Parallel-type dual plunger or equivalent | | | | | |
| Flow rate setting range: 0.001 to 20.00 mL/min (0.001-mL steps) | | | | | |
| Flow rate accuracy: < 0.1% | | | | | |
| Flow rate precision: < 0.1% | | | | | |
| Sample injection method: Variable injection sample injection | | | | | |
| Sample injection volume: 0.1-0.25 to 1000 uL | | | | | |
| Oven control method: Forced-air circulation or equivalent | | | | | |
| Temperature setting range: 0° C to 80° C | | | | | |
| Control temperature: 0° C up to 80° C | | | | | |
| Cell capacity: 0.20 - 0.30 uL | | | | | |
| Range: 0 - 15,000 uS/cm | | | | | |
| Data processing: External data processing | | | | | |
| External control: PC connection supported | | | | | |
| Accessories: | | | | | |
| 1 set System Controller | | | | | |
| 2 sets Solvent Delivery Unit | | | | | |
| 1 set On-Line Degasser | | | | | |
| 3-channel on-line membrane type degasser | | | | | |
| | | | | | |
| 1 set Autosampler | | | | | |
| Injection Method: Total-volume sample Injection or Variable injection volume | | | | | |
| Injection volume setting range: 0.25 - 1000 uL | | | | | |
| Number of processed samples: 50 @ 1.5 - 2.5 ml vials | | | | | |
| Injection accuracy: 1% max | | | | | |
| Injection volume precision: RSD: 0.3max | | | | | |
| | | | | | |
| 1 set ICDS-40 or equivalent | | | | | |
| Suppressor package system for anion include CCD Detector and column oven or equivalent | | | | | |

| | | | | | |
|--|--|--|--|--|----------------------|
| Suppressor and regeneration step are performed at the same time shortening analysis time or equivalent | | | | | |
| 1 set Suppressor Cartridge For Anions, with warranty for at least 2years | | | | | |
| 1 unit Column Oven | | | | | |
| Temperature control type: Forced air circulation or equivalent | | | | | |
| Cooling Method: Electronic cooling | | | | | |
| Temperature control range: Room temp 0°C to 80°C | | | | | |
| Temperature accuracy: < 0.05°C | | | | | |
| Containable column size and number: Up to 250 mm L. column x 3 or 6 | | | | | |
| | | | | | |
| 3 pc Column, Analytical Column | | | | | |
| For Anion Analysis | | | | | |
| 3 pc Column, Guard Column | | | | | |
| 3 pc Column, Analytical Column | | | | | |
| For Cation Analysis | | | | | |
| 3 pc Column, Guard Column | | | | | |
| 1 set Inert IC Tubing Kit or equivalent | | | | | |
| 1 set IC Workstation or equivalent | | | | | |
| Inclusive of the following: | | | | | |
| LC Solution software for full control | | | | | |
| Complete PC, 22" LED monitor and printer | | | | | |
| Warranty: 2 years on Parts and Service | | | | | |
| Additional Warranty for ANION Suppressor: at least 2 years | | | | | |
| Inclusive of 2 years PMS | | | | | |
| With End-User training (No. of pax: At least 2 pax) using the same brand and model of the offered equipment conducted by Authorized Representative/s of the Manufacturer with venue at manufacturer's training facility | | | | | |
| Total: | | | | | 11,988,097.00 |

Pursuant to Section 39.1 of the Implementing Rules and Regulations of Republic Act 9184, you are hereby required to **provide within ten (10) calendar days** from the receipt of this notice, a **Performance Security** and **signed Contract Agreement**. The Performance Security shall be denominated in Philippine Pesos and posted in favor of the Procuring Entity in an amount not less than the required percentage of the total contract price in accordance with the following schedule:

| Form of Performance Security | Amount of Performance Security (Not less than the Percentage of the Total Contract Price) |
|---|---|
| (a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. | Five percent (5%) |
| (b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank. | Five percent (5%) |
| (c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. <u>Together with the surety bond, a copy of a valid Certification from Insurance Commission must be submitted by the bidder which must state that the surety or the insurance company is specifically authorized to issue surety bond.</u> | Thirty percent (30%) |

Failure to provide and comply with the above-mentioned requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security.

Very truly yours,

Digitally signed by
Nilo Gina Parde
DN: cn=Nilo Gina
Parde, o=Bureau of
Plant Industry
Management,
ou=Office of the
Director, c=PH
GINA P. NILO, Ph.D.
Director
Digitally signed by
Solano Denise
Araullo

I acknowledge receipt of this Notice on:
Name of the Representative of the Bidder:
Authorized Signature:

SEPTEMBER 17, 2024

EMMANUEL A. ACERO

