



Bids and Awards Committee for Goods and Services

October 21, 2020

BID BULLETIN NO. 1

This Bid Bulletin No. 1 is issued to modify or amend items in the Bid Document with Solicitation No.: 20-10-119 for the **Supply and Installation of High Performance Liquid Chromatograph**.

For the above-mentioned project, the following revisions in the bidding documents were effected:

1) Amendments to Section VII – TECHNICAL SPECIFICATIONS

<i>Before</i>	<i>Revised</i>
Supply and Installation of One (1) unit High Performance Liquid Chromatograph with Column	Supply and Installation of One (1) unit High Performance Liquid Chromatograph with Column
A. WITH SOLVENT DELIVERY MODULE	A. WITH SOLVENT DELIVERY MODULE
Specification: Solvent delivery Parallel-type double plunger	Specification: Solvent delivery Parallel-type double plunger
Plunger capacity:10 μ L/stroke	Plunger capacity:10 μ L/stroke
Flow rate setting range:0.0001mL/min to 10.000mL/min	Flow rate setting range:0.0001mL/min to 10.000mL/min
Increments: 0.0001 mL	Increments: 0.0001 mL
Flow rate precision: \leq 0.06%	Flow rate precision: \leq 0.06%
RSD Available pH range: pH 1 to pH 14	RSD Available pH range: pH 1 to pH 14
Allowable Max. Pressure :44 MPa	Allowable Max. Pressure :44 MPa
✓ Automated, continuous solvent compressibility	✓ Automated, continuous solvent compressibility

✓ Auto-diagnostics to detect problems during analysis and with Auto-recovery function	✓ Auto-diagnostics to detect problems during analysis and with Auto-recovery function
B. <i>WITH ON-LINE DEGASSER</i>	B. <i>WITH ON-LINE DEGASSER</i>
Number of degassed solvents: up to 5 lines	Number of degassed solvents: at least 4 lines
Degassing Performance: Using the UV-absorption detector, at wavelength 210nm, sensitivity 0.5 AU	Degassing Performance: Using the UV-absorption detector, at wavelength 210nm, sensitivity 0.5 AU
Operating Temperature Range: 4 to 35 °C	Operating Temperature Range: 4 to 35 °C
C. <i>WITH COMMUNICATION BUS MODULE</i>	C. <i>WITH COMMUNICATION BUS MODULE</i>
D. <i>WITH UV-VIS DETECTOR</i>	D. <i>WITH UV-VIS DETECTOR</i>
Light Source: Deuterium (D2)	Light Source: Deuterium (D2)
Lamp Wavelength range:190 to 700 nm	Lamp Wavelength range:190 to 700 nm
Bandwidth slit width:8 nm	Bandwidth slit width:8 nm
Wavelength Accuracy:± 1 nm	Wavelength Accuracy:± 1 nm
Wavelength Reproducibility:± 0.1 nm	Wavelength Reproducibility:± 0.1 nm
Standard Flow cell: Optical path length: 10 mm, Cell volume: 12 µL, Pressure: 12 MPa	Standard Flow cell: Optical path length: 10 mm, Cell volume: 12 µL, Pressure: 12 MPa
Material of wetted parts: SUS316L, PFA, quartz, PEEK Cell Temperature Control Range: 19 to 50°C, 1°C Step	Material of wetted parts: SUS316L, PFA, quartz, PEEK Cell Temperature Control Range: within 19 to 50°C, 1°C Step (optional)
E. <i>WITH MANUAL INJECTOR</i>	E. <i>WITH MANUAL INJECTOR</i>
Rheodyne 7725i, with 20 µL loop (standard)	Rheodyne 7725i, with 20 µL loop (standard)
F. <i>WITH COLUMN OVEN</i>	F. <i>WITH COLUMN OVEN</i>
Specifications:	Specifications:

Cell Temperature Control: Air-Temperature control type	Cell Temperature Control: Air-Temperature control type
Temperature Control range: Room Temperature - 10°C to 85°C	Temperature Control range: Room Temperature - 10°C to 85°C
Temperature control accuracy:±0.8°C	Temperature control accuracy:±0.8°C
Temperature Precision:±0.1°C	Temperature Precision:±0.1°C
Containable Column Size and No.:300 mm x 3, 100 mm x 6	Containable Column Size and No.:300 mm x 3, 100 mm x 6
Cooling Method: Electronic Cooling	Cooling Method: Electronic Cooling
<i>G. WITH RESERVOIR TRAY</i>	<i>G. WITH RESERVOIR TRAY</i>
<i>H. WITH LOW PRESSURE GRADIENT UNIT</i>	<i>H. WITH LOW PRESSURE GRADIENT UNIT</i>
Operational Accessories Included:	Operational Accessories Included:
1 SET LC KIT <ul style="list-style-type: none"> Shim-pack GIST C18, 5um, 4.6mm x 150mm 1.5mL Clear, Screw top Vials with caps and septa 1 pack Nylon, 0.45um, 25mm Solvent Safety Bottle Caps Kit 	1 SET LC KIT <ul style="list-style-type: none"> Shim-pack GIST C18, 5um, 4.6mm x 150mm 1.5mL Clear, Screw top Vials with caps and septa 1 pack Nylon, 0.45um, 25mm Solvent Safety Bottle Caps Kit
1 PC HPLC Column C18, 5 um, 4.6mm x 150mm, with Guard column	1 PC HPLC Column C18, 5 um, 4.6mm x 150mm, with Guard column
1 PC HPLC Syringe, 50 uL	1 PC HPLC Syringe, 50 uL
1 PC Sample Glass Syringe, 5mL	1 PC Sample Glass Syringe, 5mL
1 UNIT UPS 5 KVA	1 UNIT UPS 5 KVA
1 SET LC TOOL KIT	1 SET LC TOOL KIT
1 UNIT FILTRATION KIT with OIL-LESS VACUUM PUMP	1 UNIT FILTRATION KIT with OIL-LESS VACUUM PUMP

1 PACK MEMBRANE FILTER, 200pcs/pack	1 PACK MEMBRANE FILTER, 200pcs/pack
4 PCS 1 L Mobile Phase Bottle	4 PCS 1 L Mobile Phase Bottle
Windows 10 computer equipped with WiFi and corresponding interface software	Windows 10 computer equipped with WiFi and corresponding interface software
After Sales Services: Guaranteed availability of supplies and spare parts for at least ten (10) years	After Sales Services: Guaranteed availability of supplies and spare parts for at least ten (10) years; At least three (3) support engineers with training certificate available within Metro Manila.
Free on-site training included	Free on-site training included
Warranty: Two (2) years for parts and services; One (1) Free Preventive Maintenance within the warranty period.	Warranty: Two (2) years for parts and services; One (1) Free Preventive Maintenance within the warranty period.

This Supplemental Bid Bulletin No. 1 shall form part of the Bidding Documents. Any provision in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

For guidance and information of all concerned.

Very truly yours,



JENNIFER C. BERMUDEZ
BAC Chairperson – for Goods and Services