



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.: 20-10-114 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	Supply and Installation of One (1) unit High Performance Liquid Chromatograph
<i>A. WITH SOLVENT DELIVERY MODULE</i>	<i>A. WITH SOLVENT DELIVERY MODULE</i>
Specification: Solvent delivery Parallel-type double plunger	Specification: Solvent delivery Parallel-type double plunger or equivalent
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 0.07%
RSD Available pH range: pH 1 to pH 14	RSD Available pH range: pH 1 to pH 12
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

<i>B. WITH ON-LINE DEGASSER</i>	<i>B. 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
<i>C. WITH COMMUNICATION BUS MODULE</i>	<i>C. WITH COMMUNICATION BUS MODULE</i>
<i>D. WITH UV-VIS DETECTOR</i>	<i>D. 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
<i>E. AUTO-SAMPLER/AUTO-INJECTOR</i>	<i>E. REFRACTIVE INDEX DETECTOR</i>
RI Measurement Range: 1 to 1.75 RIU; Noise level: ≤ 2.5 Nriu; Drift: ≤ 0.1 μRIU/h	RI Measurement Range: 1 to 1.75 RIU; Noise level: ≤ 2.5 Nriu; Drift: ≤ 0.2 μRIU/h
Range: 0.01-500 μRIU (A mode); 1-5000 μRIU (P and L modes)	Range: 0.01-500 μRIU (A mode); 1-5000 μRIU (P and L modes)
Response: No filtering, 0.05-10 sec; Polarity switching: 11 steps with a switch; Zero adjustment; auto-zero, auto optical zero, baseline, shift functions	Response: No filtering, 0.05-10 sec; Polarity switching: 11 steps with a switch; Zero adjustment; auto-zero, auto optical zero, baseline, shift functions
<i>F. AUTO-SAMPLER/AUTO-INJECTOR</i>	<i>F. AUTO-SAMPLER/AUTO-INJECTOR</i>
Injection method: Total-volume sample injection, variable injection volume	Injection method: Full /Total-volume sample injection, variable injection volume
Maximum operating pressure: 40 MPa	Maximum operating pressure: 40 MPa

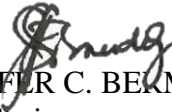
Injection-volume setting range: 0.1-100 µL; Injection-volume accuracy: ± 1% (5 µL injection); Injection sample time: 6.7 sec	Injection-volume setting range: 0.1-100 µL; Injection-volume accuracy: ± 1% (5 µL injection); Injection sample time: 6.7 sec or equivalent
Number of processed samples: 108 (1.5 mL vials); Sample carry-over: 0.0025% (without rinse), 0.0005% (with rinse)	Number of processed samples: at least 100 (1.5-mL or 2-mL vials) ; Sample carry-over: 0.01% (without rinse), 0.005% (with rinse)
Operating pH Range: 1-14	Operating pH Range: 1- 12
<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:
INTERSIL ODS-3, 5 µm, 4.6 mm x 250 mm	INTERSIL ODS-3, 5 µm, 4.6 mm x 250 mm or an equivalent reverse-phase semi-preparative column
1.5mL Clear, Screw top Vials with caps and septa	1.5mL or 2mL Clear, Screw top Vials with caps and septa
1 PACK Syringe filter, nylon, 0.45 µm, 25mm	1 PACK Syringe filter, nylon, 0.45 µm, 25mm, at least 50 pcs/pack
1 PC Sample Glass Syringe, 5mL	1 PC Sample Glass Syringe, 5mL
1 UNIT UPS 5 KVA	1 UNIT AVR and UPS 5 KVA (for both PC and HPLC unit)
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, nylon, 0.4 µm, 200pcs/pack (for use in the filtration kit above)
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