



*Bids and Awards Committee for Goods and Services*

December 9, 2020

**BID BULLETIN NO. 1**

This Bid Bulletin No. 1 is issued to modify or amend items in the Bid Document with Bid ID No.: 287590 for the **Supply and Installation of One (1) unit FTIR and One (1) unit UV-Vis Spectrophotometer.**

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

1) Amendments to Section I – INVITATION TO BID

<i>Paragraph No.</i>	<i>Before</i>	<i>Revised</i>
<b>1</b>	The <i>PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS</i> , through the <i>GAA 2020</i> intends to apply the sum of <i>Two Million Nine Hundred Thousand Pesos (Php 0,900,000.00)</i> being the ABC to payments under the contract for <i>Supply and Installation of One (1) FTIR and One (1) unit UV-Vis Spectrophotometer.</i> Bids received in excess of the ABC shall be automatically rejected at bid opening.	The <i>PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS</i> , through the <i>GAA 2020</i> intends to apply the sum of <i>Two Million Nine Hundred Thousand Pesos (Php 2,900,000.00)</i> being the ABC to payments under the contract for <i>Supply and Installation of One (1) unit FTIR and One (1) unit UV-Vis Spectrophotometer.</i> Bids received in excess of the ABC shall be automatically rejected at bid opening.

2) Amendments to Section II – INSTRUCTION TO BIDDERS

<i>ITB No.</i>	<i>Before</i>	<i>Revised</i>
<b>1</b>  <b>Scope of Bid</b>	The Procuring Entity, <i>PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS</i> wishes to receive Bids for the <i>Supply and Installation of One (1) FTIR</i> with identification number ***.  The Procurement Project (referred to herein as “Project”) is composed of <b>One (1) unit FTIR and One (1) unit UV-Vis Spectrophotometer</b> , the details of which are described in Section VII (Technical Specifications).	The Procuring Entity, <i>PHILIPPINE SCIENCE HIGH SCHOOL – MAIN CAMPUS</i> wishes to receive Bids for the <i>Supply and Installation of One (1) unit FTIR One (1) unit UV-Vis Spectrophotometer</i> with identification number ***.  The Procurement Project (referred to herein as “Project”) is composed of <b>Supply and Installation One (1) unit FTIR and One (1) unit UV-Vis</b>

		<b>Spectrophotometer</b> , the details of which are described in Section VII (Technical Specifications).
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3) Amendments to Section III – BID DATA SHEET

<b>ITB Clause</b>	<b>Before</b>	<b>Revised</b>
<b>5.3</b>	<p>For this purpose, contracts similar to the Project shall be:</p> <p><b>a. Supply and Installation of One (1) FTIR.</b></p> <p><b>b. completed within five (5) years</b> prior to the deadline for the submission and receipt of bids.</p>	<p>For this purpose, contracts similar to the Project shall be:</p> <p><b>a. Supply and Installation of One (1) unit FTIR One (1) unit UV-Vis Spectrophotometer.</b></p> <p><b>b. completed within five (5) years</b> prior to the deadline for the submission and receipt of bids.</p>

4) Amendments to Section VII – TECHNICAL SPECIFICATIONS

<b>Before</b>	<b>Revised</b>
<b>Supply and Installation of One (1) FTIR</b>	<b>Supply and Installation of One (1) unit FTIR</b>
-	<b>Must be portable/compact</b> <b>Dimensions (max): 400mm(L) x 300mm(W) x 250mm(H)</b>
Michelson Interferometer, 30° angle, sealed with desiccant	Michelson Interferometer, 30° angle, sealed with desiccant <b>or approved equivalent</b>
Optical system: single beam	Optical system: single beam
Beam splitter: Germanium-coated KBr	Beam splitter: Germanium-coated KBr <b>or approved equivalent</b>
Detector: DLATGS with temperature-controlled mechanism	Detector: DLATGS with temperature-controlled mechanism

Light source: high energy ceramic (3 years guaranteed)	Light source: high energy ceramic (3 years guaranteed)
Wavenumber range: 7800 to 350 cm-1	Wavenumber range: 7800 to 350 cm-1
Wavenumber accuracy: $\pm 0.1$ cm-1	Wavenumber accuracy: $\pm 0.1$ cm-1
S/N ratio: 30,000:1	S/N ratio: 30,000:1
<i>WITH ACCESSORIES INCLUDED:</i>	<i>WITH ACCESSORIES INCLUDED:</i>
QATR Single Bounce Diamond Attenuated Total Reflection	QATR Single Bounce Diamond Attenuated Total Reflection
AVR compatible with the system	AVR <b>and UPS</b> compatible with the system
Electronic dehumidifier attached to the unit	Electronic dehumidifier attached to the unit
IR software	IR software
Library of standard FTIR spectra (at least 11,000 spectra included)	Library of standard FTIR spectra (at least 11,000 spectra included)
3 sets of Basic Starter Kit	<p>3 sets of Basic Starter Kit</p> <p><b>Liquid Pack:</b></p> <ul style="list-style-type: none"> <li>- Luer Syringe 2ml</li> <li>- Omni-Cell™ assembly</li> <li>- KBr windows (pair) for liquids</li> <li>- CaF2 windows (pair) for liquids</li> <li>- KBr windows (pair) for Mulls</li> <li>- 10 off assorted PTFE Liquid Cell spacers</li> <li>- 5 off PTFE 0.1mm Mull Cell spacers</li> <li>- Bottle of Nujol (25ml)</li> <li>- Bottle of Fluorolube (25ml)</li> </ul> <p><b>Solid Pack:</b></p> <ul style="list-style-type: none"> <li>- Mini-Pellet Press (2T)</li> <li>- 7mm Pellet Die with Pellet Ring Holder</li> <li>- 7mm spare Pellet Ring Holder</li> <li>- Pestle and Mortar</li> <li>- KBr Powder (50g)</li> <li>- 7mm Disc Holder with rectangular mount</li> </ul>
1 PC system with continuous inkjet printer	1 PC system with continuous inkjet printer

OS: Windows 10 Hard Drive: 1 TB Processor: i5, 8GB RAM	OS: Windows 10 Hard Drive: 1 TB Processor: i5, 8GB RAM
<b>Supply and Installation of One (1) unit UV-Vis Spectrophotometer</b>	<b>Supply and Installation of One (1) unit UV-Vis Spectrophotometer</b>
Unit can be operated as Stand-alone or PC-controlled	Unit can be operated as Stand-alone or PC-controlled
Beam type: Double beam photometric system	Beam type: Double beam photometric system
Wavelength range: 190 to 1,100 nm	Wavelength range: 190 to 1,100 nm
Wavelength slew rate: at least 25,000 nm/min	Wavelength slew rate: at least 25,000 nm/min
Wavelength scanning speed: 3,000 to 2 nm/min	Wavelength scanning speed: 3,000 to 2 nm/min
Spectral Bandwidth: at least 1 nm	Spectral Bandwidth: at least 1 nm
Absorbance range: between -4.0 to 4.0 AU	Absorbance range: between -4.0 to 4.0 AU
Transmittance range: 0.0 to 400%	Transmittance range: 0.0 to 400%
<i>WITH ACCESSORIES INCLUDED:</i>	<i>WITH ACCESSORIES INCLUDED:</i>
3 pairs (6 pcs) quartz cuvette, 10 mm path length	3 pairs (6 pcs) quartz cuvette, 10 mm path length
1 PC system with inkjet printer OS: Windows 10 Hard Drive: 1 TB Processor: i5, 8GB RAM	1 PC system with inkjet printer OS: Windows 10 Hard Drive: 1 TB Processor: i5, 8GB RAM
UPS 5 KVA	UPS 5 KVA
AVR compatible with the system	AVR <b>and</b> UPS compatible with the system

<i>OTHER ACCESSORIES:</i>	▪ <i>OTHER ACCESSORIES:</i>
<p>Laboratory tables for the equipment</p> <ul style="list-style-type: none"> <li>- Countertop: Acid/Chemical/Heat resistant and has a nonporous solid phenolic resin counter top 2mm (thick black)</li> <li>- Base cabinet: Impact resistant phenolic resin compact board grade laminate</li> </ul>	<ul style="list-style-type: none"> <li>One (1) set Laboratory Side Table</li> <li>- Dimension: 3700mm (L) x 800mm (W) x 900mm (H),</li> <li>- Countertop: Acid / Chemical / Heat resistant and has a nonporous solid phenolic resin counter top 2mm (thick black),</li> <li>- Base cabinet: Impact resistant phenolic resin compact board grade laminate with features of 2 electrical outlets 2-gang 220V, 1 open legroom, 2 units swing out door cabinet with hand grab type handle and 2 units drawers</li> </ul>
-	<ul style="list-style-type: none"> <li>One (1) set Laboratory Side Table L-Shaped</li> <li>- Dimension: 3880mm (L) x 3460mm (L) x 800mm (W) x 900mm (H)</li> <li>- Countertop: Acid / Chemical / Heat resistant and has a nonporous solid phenolic resin counter top 2mm (thick black),</li> <li>- Base cabinet: Impact resistant phenolic resin compact board grade laminate with features of 3880mm – 3 electrical outlets 2-gang 220V, 2 open legroom, 2 units swing out door cabinet with hand grab type handle and 2 units drawers and 3460mm - 3 electrical outlets 2-gang 220V, 2 open legroom, 2 units swing out door cabinet with hand grab type handle and 2 units drawers rubber-vinyl base</li> </ul>
1 pc HPLC column C18, 5um, 4.6mm x 150 mm, with guard column	1 pc HPLC column C18, 5um, 4.6mm x 150 mm, with guard column
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
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.
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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