



SUPPLEMENTAL/BID BULLETIN NO. 1

Supply, Delivery, Installation and Commissioning of 1 set Atomic Absorption Spectrophotometer-Flame System with Hydride Vapor Generator (with Auto Sampler for the ERLSD)

ITB No. EMB-GOODS-NCB-2019-0003

This clarification No. 6319593-1 is issued to clarify/amend item/s in the issued notice posted in PhilGEPS with reference No. 6319593. This Bid Bulletin shall form an integral part of the bid documents

Name of Project : **SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF 1 SET ATOMIC ABSORPTION SPECTROPHOTOMETER-FLAME SYSTEM WITH HYDRIDE VAPOR GENERATOR (WITH AUTO SAMPLER) FOR THE ERLSD**

Date : July 23, 2019

Announcing the amendments/correction on the issued bidding documents:

Original Technical Specifications	Revised Technical Specifications
<p>AAS-Flame System with Hydride Vapor Generator (with Autosampler)</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Standard 3D optics system – automatic switching to single beam during furnace measurement to double beam for flame measurement; • Single auto sampler that can cater from flame to furnace (Graphite) system <p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> ➤ Optical 3D double-beam optics: automatic switching to single beam during furnace measurement to double beam for flame measurement or equivalent; ➤ Positioning of burner : automatic flame to furnace switching (if graphite furnace is available) ➤ Automatic search of optimum burner height <p>SAFETY FEATURES:</p> <ul style="list-style-type: none"> • Automatic flame extinction via flame vibration sensor • Automatic Air-N₂O switching system with acetylene flow-rate monitor • Automatic gas shut-off by flame monitor 	<p>AAS-Flame System with Hydride Vapor Generator (with Autosampler)</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Standard 3D optics system – automatic switching to single beam during furnace measurement to double beam for flame measurement or equivalent based on manufacturer design • Accept proposal for stand-alone autosampler for flame and hydride vapor generator or individual autosampler for flame and hydride vapor generator <p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> ➤ Optical 3D double-beam optics: automatic switching to single beam during furnace measurement to double beam for flame measurement or equivalent based on manufacturer design <p>SAFETY FEATURES:</p> <ul style="list-style-type: none"> • Automatic flame extinction via flame vibration sensor or equivalent based on manufacturer design • Automatic or manual Air-N₂O switching system with acetylene flow-rate monitor • Automatic or manual gas shut-off by flame monitor

<ul style="list-style-type: none"> • Sudden power interruption detection and re-ignition safety measure • Cooling water flow rate monitor • Furnace cooling check <p>1 Unit Hydride Vapor Generator</p> <ul style="list-style-type: none"> • Atomizer : Heated absorption cell (Electronic Cell Heater or equivalent with mounting adaptor) <p>1 unit AUTO SAMPLER</p> <ul style="list-style-type: none"> • Auto sampler can be used for Flame and Furnace mode and can be connected to HVG • Reagent: 8 positions, Sample : 60 position <p>OPERATIONAL ACCESSORIES:</p> <p>Reversal Background correction or equivalent, elements chosen by customer</p> <ul style="list-style-type: none"> ○ Certificate of exclusive distributorship from supplier 	<p>1 Unit Hydride Vapor Generator</p> <ul style="list-style-type: none"> • Atomizer : Heated absorption cell (Electronic Cell Heater with mounting adaptor) <p>1 unit AUTO SAMPLER</p> <ul style="list-style-type: none"> • Accept proposal for stand-alone auto sampler for flame and hydride vapor generator or individual auto sampler for flame and hydride vapor generator • Reagent: 8 positions, Sample: 60 position or equivalent based on manufacturer design <p>Reversal Background correction or equivalent</p> <p>Certificate of authorized distributorship from supplier/manufacturer</p>
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For guidance and information of all concerned.

(SGD)CONSOLACION P. CRISOSTOMO
BAC Chairperson

Received by the Bidder:

Date: _____