SUPPLEMENTAL/BID BULLETIN NO. 1

Date: September 24, 2025
Title: IB-2025-09-18 SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND TESTING OF LABORATORY EQUIPMENT
Reference No.: 12422193

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding document for the above-mentioned procurement project.

<table>
<tr><th>REFERENCE</th><th>AMMENDMENTS</th></tr>
<tr><td>Section II. Instructions to Bidders

19. Detailed Evaluation and Comparison of Bids

19.4. The Project shall be awarded as one (1) Project having several items, which shall be awarded as separate contracts per item. In case more than one (1) item is awarded to the same bidder, one (1) contract may be entered into containing all the items awarded.</td><td>Section II. Instructions to Bidders

19. Detailed Evaluation and Comparison of Bids

19.4. The Project shall be awarded as one (1) lot Project with several items, that shall be awarded as one (1) contract.</td></tr>
<tr><td>Section III. Bid Data Sheet

ITB Clause 9

Prospective bidders may submit their written request for clarification on and/or interpretation of any part of the Bidding Documents, either to EVSU BAC Secretariat Office or through electronic mail at evsu.bacsecretariat@evsu.edu.ph not later than October 09, 2025, 5:00PM. Clarifications made and submitted beyond the abovementioned date shall not be accepted and/or entertained further.</td><td>Section III. Bid Data Sheet

ITB Clause 9

Prospective bidders may submit their written request for clarification on and/or interpretation of any part of the Bidding Documents, either to EVSU BAC Secretariat Office or through electronic mail at evsu.bacsecretariat@evsu.edu.ph not later than October 06, 2025, 5:00PM. Clarifications made and submitted beyond the abovementioned date shall not be accepted and/or entertained further.</td></tr>
<tr><td>Section III. Bid Data Sheet

ITB Clause 19.2

Partial bid is allowed. All Goods are grouped in items listed below.

<table><tr><th>ITEM NO.</th><th>PARTICULARS</th><th>QTY</th><th>UNIT</th><th>TOTAL AMOUNT</th></tr><tr><td>1</td><td>07-0655-25 COE</td><td>1</td><td>Unit</td><td>1,250,000.00</td></tr><tr><td>2</td><td>07-0655-25 COE</td><td>1</td><td>Unit</td><td>550,000.00</td></tr></table></td><td>Section III. Bid Data Sheet

ITB Clause 19.2

Partial bid is NOT allowed. All Goods are grouped in one (1) lot as listed below.

<table><tr><th>ITEM NO.</th><th>PARTICULARS</th><th>QTY</th><th>UNIT</th><th>TOTAL AMOUNT</th></tr><tr><td>1</td><td>07-0655-25 COE</td><td>1</td><td>Lot</td><td>1,800,000.00</td></tr></table></td></tr>
<tr><td>Section VI. Schedule of Requirements</td><td>Please see Annex “A” for the amended Schedule of Requirements.</td></tr>
<tr><td>Section VII. Technical Specifications</td><td>Please see Annex “B” for the amended Technical Specifications.</td></tr>
</table>

All statements and formats referring to this clause should be amended/corrected accordingly.

For guidance and information of all concerned.

For further information, please refer to:

(SGD) VINCENT B. CABANTOC
Head, BAC Secretariat
CP No. 0953-355-7046 - TM
Email Add: evsu.bacsecretariat@evsu.edu.ph

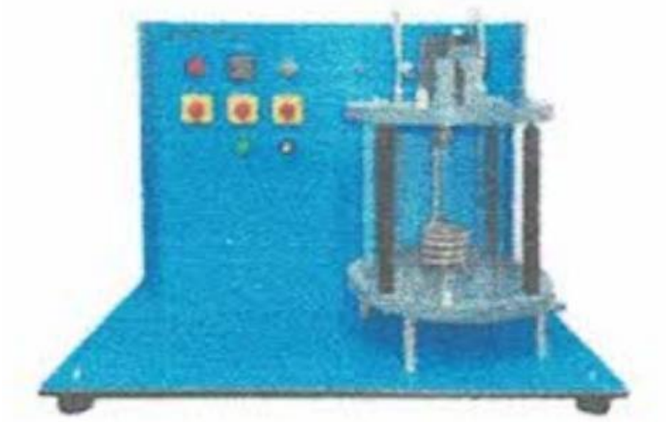
Noted:

(SGD) LYDIA M. MORANTE, DA
Vice President for Administration, Finance, & Auxiliary Services
Chairperson, Bids and Awards Committee

Schedule of Requirements

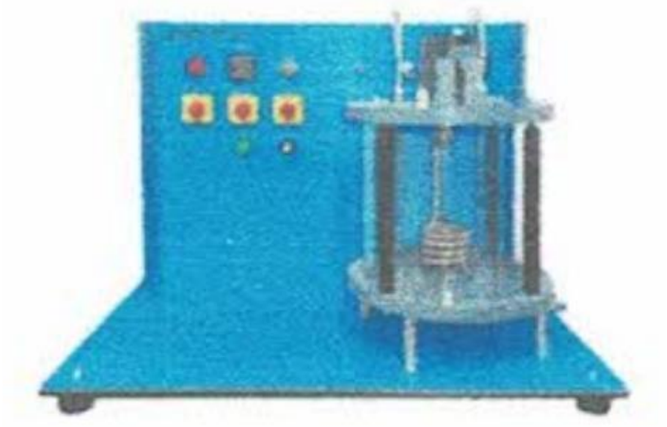
The delivery schedule expressed as weeks/months stipulates hereafter a delivery date, which is the date of delivery to the project site.

IB-2025-09-18 SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND TESTING OF LABORATORY EQUIPMENT				
Lot No.	**Description**	**QTY**	**UNIT**	**Delivered, Weeks/Months**
1	**PR No. 07-0655-25 COE**	**1**	**LOT**	
	TRAY DRYER WITH DAQ (DATA ACQUISITION) SOFTWARE  **Technical Data Specification:** **Drying channel** • Length: 2000mm approx. • Internal dimensions: 350×350mm • 4 drying trays: 300×300mm each **Fan** • Power: 33W • Max. output: 700 m^3/h • Max. speed: 950 min^{-1} **Heater** • Power: 0–3500W with adjustable temperature limiter **Balance** • Measuring range: 0–10000g • Resolution: 0.1g • Application temperature: 0–75°C **Measuring ranges** • Humidity: 0–100% rel. • Temperature: -100–400°C • Air velocity: 0–2.5 m/s **Continuation Specification:** • Drier for investigating convection drying of solids. • Drying on 4 corrosion-resistant trays in a drying channel with an air flow. • Adjustment of air velocity via the speed of the fan. • Air heating with a controlled heater. • Digital balance for measuring the change of weight during drying. • 1 combined sensor for measurement of • humidity and temperature before and after the solid sample. • 1 air velocity sensor. • Digital stopwatch, battery-operated. • Software for data acquisition via USB under Windows 7 or latest. (Preferred if with a complete desktop computer) **Must be applicable to the following experiment:** • Influence of air temperature and humidity on drying intensity. • Plotting of drying curves with constant external conditions.	1	Unit	

	• Determination of drying rate with different air parameters and different solid properties • Evaluation of drying processes using energy and mass balances.			
	GASEOUS DIFFUSION APPARATUS WITH DAQ (DATA ACQUISITION) SOFTWARE  Technical Data Specification: • Water bath: approx. 2L approx. • **Diffusion tube for solvent** diameter: 4mm length: 100mm • **Heater** Power: 300W approx. • Fan: 120–320L/h • **Microscope** Microscope scale division: 0.1mm • **Stirrer** Type: Blade Drive: Motorized Speed: 500rpm **Measuring ranges** • Temperature: 100–400°C Specification: • Investigation of the diffusion of gases • Evaporation of a highly volatile solvent with a diffusion tube in a heated water bath for investigating diffusion in gases • Removal of gaseous solvent at the upper end of the diffusion tube with a fan • Heater with controller and sensor for adjusting the temperature in the water bath • Height-adjustable microscope for monitoring and determining the solvent volume in the diffusion tube • Digital display and control unit contains a temperature controller and fan **Must be applicable to the following experiment:** • Fundamentals of diffusion: Fick's law • Derivation of the calculation formula for the diffusion coefficients for the given experimental conditions • Determination of the diffusion coefficient for the mass transport in gas Note: The above equipment should have an instructional/ operational manual and an experiment manual for different experiments. Fittings and other relevant materials/accessories upon installation and turnover training should be included and shouldered by the supplier. Installation and turnover training should be conducted by the supplier's technical team. Certification of calibration should be included.	1	Unit	

Technical Specifications

IB-2025-09-18 SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING, AND TESTING OF LABORATORY EQUIPMENT				
Lot No.	**Description**	**QTY**	**UNIT**	**STATEMENT OF COMPLIANCE COMPLY/ NOT COMPLY**
1	**PR No. 07-0655-25 COE**	**1**	**LOT**	
	TRAY DRYER WITH DAQ (DATA ACQUISITION) SOFTWARE  **Technical Data Specification:** **Drying channel** • Length: 2000mm approx. • Internal dimensions: 350×350mm • 4 drying trays: 300×300mm each **Fan** • Power: 33W • Max. output: 700 m^3/h • Max. speed: 950 min^{-1} **Heater** • Power: 0–3500W with adjustable temperature limiter **Balance** • Measuring range: 0–10000g • Resolution: 0.1g • Application temperature: 0–75°C **Measuring ranges** • Humidity: 0–100% rel. • Temperature: -100–400°C • Air velocity: 0–2.5 m/s **Continuation Specification:** • Drier for investigating convection drying of solids. • Drying on 4 corrosion-resistant trays in a drying channel with an air flow. • Adjustment of air velocity via the speed of the fan. • Air heating with a controlled heater. • Digital balance for measuring the change of weight during drying. • 1 combined sensor for measurement of • humidity and temperature before and after the solid sample. • 1 air velocity sensor. • Digital stopwatch, battery-operated. • Software for data acquisition via USB under Windows 7 or latest. (Preferred if with a complete desktop computer) **Must be applicable to the following experiment:** • Influence of air temperature and humidity on drying intensity. • Plotting of drying curves with constant external conditions.	1	Unit	

	• Determination of drying rate with different air parameters and different solid properties • Evaluation of drying processes using energy and mass balances.			
	GASEOUS DIFFUSION APPARATUS WITH DAQ (DATA ACQUISITION) SOFTWARE  Technical Data Specification: • Water bath: approx. 2L approx. • **Diffusion tube for solvent** diameter: 4mm length: 100mm • **Heater** Power: 300W approx. • Fan: 120–320L/h • **Microscope** Microscope scale division: 0.1mm • **Stirrer** Type: Blade Drive: Motorized Speed: 500rpm **Measuring ranges** • Temperature: 100–400°C Specification: • Investigation of the diffusion of gases • Evaporation of a highly volatile solvent with a diffusion tube in a heated water bath for investigating diffusion in gases • Removal of gaseous solvent at the upper end of the diffusion tube with a fan • Heater with controller and sensor for adjusting the temperature in the water bath • Height-adjustable microscope for monitoring and determining the solvent volume in the diffusion tube • Digital display and control unit contains a temperature controller and fan **Must be applicable to the following experiment:** • Fundamentals of diffusion: Fick's law • Derivation of the calculation formula for the diffusion coefficients for the given experimental conditions • Determination of the diffusion coefficient for the mass transport in gas Note: The above equipment should have an instructional/ operational manual and an experiment manual for different experiments. Fittings and other relevant materials/accessories upon installation and turnover training should be included and shouldered by the supplier. Installation and turnover training should be conducted by the supplier's technical team. Certification of calibration should be included.	1	Unit	