

Bid Bulletin No. 2

**“Supply, Delivery and Installation of Vibration Test System for the Bureau of Philippine Standards – Product Testing Division”  
Bidding No. 21-010**

May 3, 2021

This Bid Bulletin No. 2 is hereby issued to modify or amend the Bidding Documents.

**Section VII. Technical Specifications**

<b>1-LOT SUPPLY, DELIVERY AND INSTALLATION OF VIBRATION TEST</b>	
<b>COMPONENTS</b>	<b>SPECIFICATIONS</b>
<b>SYSTEM</b>	1. Frequency Range: 2 to 2000 Hz or higher
	2. Max. load: 200 kg or higher
	3. Cooling system: air-cooled
	4. Rated Force: not lower than 1000 kgf (9.8 kN)
	5. Peak Acceleration: not lower than 625 m/s <sup>2</sup> (64 g <sub>n</sub> )
	6. Max. Displacement: not lower than 50 mm P-P
	7. With vibration isolation to protect the floor and building structure
	8. With noise reduction mechanism
<b>VIBRATION GENERATOR</b>	9. Utilizes electromagnetic vibration technology
	10. Can be rolled from vertical to horizontal position to drive the horizontal table
	11. With armature support guide
	12. Machine body is under air-bellow and may be fitted with hydraulic damper protection as necessary
<b>VIBRATION TABLE</b>	
HORIZONTAL (SLIP) TABLE	13. Material: aluminum
	14. Dimension: at least 700 x 700 mm
	15. Max. frequency: 1700 Hz or higher
HEAD EXPANDER	16. Material: aluminum
	17. Dimension (mm): at least 700 x 700 mm
	18. Max. frequency: 200 Hz or higher
<b>SYSTEM CONTROLLER</b>	19. Software control function: Sine, Random and Shock
	20. Software and instructions shall be in English language

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	21. Employs high-resolution 24-bit A/D and D/A converters to achieve high-precision, repeatable control
	22. Frequency resolution: 6400 lines or better
	23. Outputs test definitions and results in CSV format for use with MS Excel spreadsheet
	24. Connectivity: Ethernet or RS-232
	25. Supplied with software compatible computer
<b>ACCELEROMETER</b>	26. Sensitivity : 100 mv/g or better
	27. Frequency response : 0.6~7 kHz
<b>POWER SUPPLY</b>	28. 220 – 240 VAC, 3-Phase, 60 Hz
<b>ACCESSORY</b>	29. Supplied with suitable air-compressor

III. Additional Requirements

<b>FROM</b>	<b>TO</b>
<p><b><u>Requirements</u></b></p> <p>1. Vibration test system components such as vibration generator, vibration table, system controller, and power amplifier are from a single manufacturer to ensure compatibility</p> <p>2. The manufacturer reputable in the field of vibration test system. The company profile shall be submitted.</p> <p>3. The brand to be supplied is widely used by companies/institutions worldwide. A list of well-known clients shall be provided.</p> <p>4. Has a distributor and aftersales service partner in the Philippines. The local partner shall have a minimum of two (2) service technicians gaining training directly from the manufacturer. Training certificates shall be submitted.</p> <p>5. The service technicians shall have servicing experience on vibration system for at least 3 years. Service records shall be submitted.</p>	<p>1. Vibration test system components such as vibration generator, vibration table, system controller (software), and power amplifier are from a single manufacturer to ensure compatibility</p> <p>2. Has a distributor and aftersales service partner in the Philippines. The local partner shall have a minimum of two (2) service technicians gaining training directly from the manufacturer. Training certificates shall be submitted.</p>

#### IV. Scope of Installation Works

##### *B. Actual Installation Activities*

<b>FROM</b>	<b>TO</b>
<ol style="list-style-type: none"> <li>1. Furnish all labor and materials needed for the installation of the brand-new Vibration Test System;</li> <li>2. Install the unit at the locations indicated in the approved plan;</li> <li>3. Ensure that the structural soundness of the building shall not be affected during installation of the brand-new Vibration Test System;</li> <li>4. Supply materials and install electrical power requirement from BPS-PTD feeder line to the Vibration Test System; and</li> <li>5. Ensure that the new installed Vibration Test System is in the desired working condition.</li> </ol>	<ol style="list-style-type: none"> <li>1. Install the unit at the locations indicated in the approved plan;</li> <li>2. Connect the Vibration Test System power supply to the existing BPS-PTD panel board;</li> <li>3. Ensure that the newly installed Vibration Test System is in the desired working condition.</li> </ol>

For the guidance and information of all concerned.

**SGD.**

**MARY JEAN T. PACHECO**

Assistant Secretary

Chairperson, DTI Bids and Awards Committee