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**SUPPLEMENTAL/BID BULLETIN**

**ADDENDUM NO. 2021-09, series of 2021**

This Supplemental/Bid Bulletin-Addendum No. 2021-09 dated December 3, 2021 is issued to clarify or amend certain information of the Bidding Documents for the project, "Upgrading of the Technology, Engineering, Tourism and Hospitality Management Laboratories of NwSSU-Main Campus" with PR No. 2021-11-482 and PhilGEPS Reference No. 8227260, this shall form an integral part of said Documents.

**Section VII. TECHNICAL SPECIFICATIONS**

**LOT 1 - Supply, Delivery, & Installation of Digital HUM Detecting Soft Touch Controlled Equipment with Multi Media System:**

No.	FROM	TO
1.6	50 units Student Panel	40 units Student Panel

No.	ADDITIONAL SPECIFICATIONS FOR INTERACTIVE FLAT PANEL
1.13	<p><b>Product Specification:</b> Display Size 65inch, Screen Type LED, Aspect Ratio 16:9, Display Area: 1428.48mm*803.52mm, Resolution 3840(H)*2160(V), Pixel Pitch 0.496mm* 0.372mm, Back Light Unit Direct type, LED Response Time 8ms, Refreshing Frequency 60Hz, Display Color 1.07B (10bit), Brightness with glass (typ) 350cd/m2, Brightness with glass (min) 300cd/m2, Contrast Ratio 1200:1, Viewing Angle 178°, Lifetime 30000 Hours</p> <p><b>Video/Audio:</b> Speaker Type Built-in, Speaker Output Power 12W*2</p> <p><b>Display Connector:</b> HDMI Out 1, USB 2.0 4 (including 2 USB ports in front), USB 3.0 2 (including 1 USB port in front ), Touch Out 2, HDMI 2.0 In 1, HDMI 1.4 In 2, DP In 1, VGA In 1, Audio In 1, AV In 1, RS232 Control 1, Audio Out 1, LAN 1, COAX Out 1</p> <p><b>Touch System:</b> Sensing Type Infrared recognition, System: Windows10/ Windows8/ Windows7/Windows/XP/Vista/Linux/Mac/Android/Wince/Chrome, Touch point 10 points writing and 20 points touch, Writing Response single-touch ≥Φ6mm and multi-touch ≥Φ8mm, Touch Tool Finger, Finger cover by glove, Opaque objects, Response Time &lt;15ms Accuracy ±2mm(over 90%Area), Communication Mode Full-speed USB (driver free), Interface USB2.0 type B, Touch Drive Free drive, Surface Hardness Toughened Glass with Level 7 of Mohs Standard, Output Coordinate 32767*32767</p> <p><b>Android:</b> System Version Android 5.1, CPU ARM CortexA53 Dual Core CPU, GPU Dual Core, RAM 2G, ROM 16G</p>

For guidance and information of all concerned.

  
**RHIO C. DIMAKILING, J.D., ME**  
BAC Vice-Chairperson