

ANNEX "A"

Technical Specifications

<p>I. Background</p> <p>SLSU Main Campus (hereinafter, the Procuring Entity) intends to purchase various new technical and scientific equipment outlay for the College of Engineering and Technology to be able to improve its delivery of instructions by providing quality equipment to reinforce student learning by bridging theory or concepts to practice.</p>			
<p>II. Technical Specifications</p> <p>The goods must be brand-new and of a reputable brand. Refurbished equipment are not acceptable.</p> <p>The supplier shall provide SLSU Main Campus the Goods with the following minimum specifications:</p>			<p>Statement of Compliance</p>
Item	Quantity	Minimum Specifications	
1	1 unit	<p>➤ Furnace 24L</p>	
		<p>TECHNICAL SPECIFICATIONS: Model: Lift Door, LT24/11 Capacity: 24 Liters Tmax: 1100°C Inner Dimensions (mm): 280W x 340D x 250H Outer Dimensions (mm): 560W x 660D x 650H Connected Load (kg): 4.5 Electrical Connection: 3-phase Weight in Kg.: 75 Minnutes to Tmax: 95</p> <p>INCLUSION DURING DELIVERY: a. AVR, 10 KVA b. Steel Collecting Pan, Tmax 1100°C c. Tongs</p>	
2	1 unit	<p>➤ Precision Balance 3200g 0.01g</p>	
		<p>TECHNICAL SPECIFICATIONS: Capacity (g) : 3200 Display : Backlit LCD Readability (g) : Linearity (g) : 0.03 Repeatability (g): 0.01 Weighing units : g, mg, kg, ct, oz, troy, lb, pennyweight, grain, Newton, momme mesghal, tael (3), tical, tola, baht Stabilization time: 1.5 Second Power (VAC) : 120/220 Interface :RS-232 Languages : Multi Language</p>	

3	1 unit	➤ UPS 6KVA/5.4KW	
		Memo Plus S 6KVA 6KVA/5.4W 0.9PF with Internal Battery (1:1) Input Voltage 220/230/240VAC Output Voltage 220/230/240VAC	
4	1 unit	➤ Total Station	
		<p>Specifications</p> <p>Range with Nikon specified prisms</p> <ul style="list-style-type: none"> - Good conditions (No haze, visibility over 40 km (25 miles)) <p>With reflector sheet (5 × 5 cm): 1.5 m to 200 m (4.9 ft to 787 ft)</p> <p>With single prism 6.25 cm (2.5 in): 3,000 m (9,840 ft)</p> <ul style="list-style-type: none"> ■ Range reflectorless mode - KGC (18%)¹ Good: 250 m (820 ft) Normal: 200 m (656 ft) Difficult: 150 m (492 ft) Accuracy ISO 17123-4 (Precise mode) - Prism² : ±(2+2 ppm × D) mm - Reflectorless/Reflector sheet³ ±(3+3 ppm × D) mm ■ Measuring interval⁴ - Prism mode Precise mode: 1.1 sec. Normal mode: 0.8 sec. - Reflectorless mode Precise mode: 1.2 sec. Normal mode: 1.0 sec. - Least count Precise mode: 1 mm (0.002 ft) Normal mode: 10 mm (0.02 ft) Angle Measurement ■ ISO 17123-3 accuracy (horizontal and vertical): 2"/0.6 mgon, 5"/1.5 mgon ■ Reading system: Photoelectric detection by incremental encoder ■ Circle diameter: 88 mm (3.46 in) ■ Horizontal angle: 2":Diametrical, 5":Single ■ Vertical angle: Single ■ Minimum increment (Degree, Gon, MIL6400): Degree: 1/5/10", Gon: 0.2/1/2 mgon, MIL6400: 0.005/0.02/0.05 mil Telescope ■ Tube length: 125 mm (4.9 in) ■ Image: Erect ■ Magnification: 30× (18x/36x with optional eyepieces) ■ Effective diameter of objective: 45 mm (1.77in) - EDM: 50 mm (1.97 in) ■ Field of view: 1°20' ■ Resolving power: 3" 	

		<ul style="list-style-type: none"> ■ Minimum focusing distance: 1.5 m (4.9 ft) ■ Laser Pointer: Coaxial Red Light Tilt Sensor ■ Type: Dual axis ■ Method: Liquid-electric detection ■ Compensation range: $\pm 3'$ Communications ■ Communication ports: 1 x serial (RS-232C) Wireless Communications ■ Integrated Bluetooth General Specifications ■ Level vials - Sensitivity of Plate level vial: 30"/2 mm - Sensitivity of Circular level vial: 10'/2 mm ■ Optical plummet - Image: Erect - Magnification: 3\times - Field of view: 5$^{\circ}$ - Focusing range: 0.5 m (1.6 ft) to ∞ ■ Display: 2":Both sides, backlit, graphic LCD (128 \times 64 pixel), 5":Single side, backlit, graphic LCD (128 \times 64 pixel) ■ Point memory: 50,000 records <p>COMPLETE WITH: 1 MAIN UNIT 1 CARRYING CASE 1 BATTERY 1 CHARGER 1 PRISM POLE, TELESCOPIC TYPE WITH READINGS, SINGAPORE 1 PRISM WITH HOLDER AND TARGET 1 ALUMINUM HEAVY DUTY DUAL LOCK TRIPOD, SINGAPORE 1 CALIBRATION CERTIFICATE GOOD FOR 1 YEAR</p>	
5	1 unit	➤ Sieve Shaker	
		<p>Inclusions: Main unit 1 unit clamping device 1 pc bottom collecting pan</p> <p>Features: digital display of performance and time suitable for dry and wet sieving excellent separation efficiency even with short sieving times efficient electromagnetic drive 3-D throwing motion which ensures optimum use of the open sieve area and lets the sample move equally over the whole sieving surface sieve stack up to 510 mm height free adjustment of all process parameters (time, performance) optional comfort clamping device optional evaluation software maintenance-free easy operation, ergonomic design</p>	

6	3 units	➤ Wireless Smart Dynamics Cart	
		<p>Specifications</p> <p>Force</p> <p>Force Range: ± 100 N</p> <p>Position</p> <p>Resolution: 0.1 N</p> <p>Accuracy : $\pm 1\%$</p> <p>Maximum sampling rate: 500 samples/second normally 5000 samples/second in burst mode</p> <p>Position Resolution: ± 0.2 mm</p> <p>Velocity</p> <p>Max velocity: ± 3 m/s</p> <p>Max sample rate : 100 samples/second</p> <p>Acceleration</p> <p>Range: $\pm 16g$ ($g= 9.8$ m/s²)</p> <p>Max sample rate: 500 samples/second</p> <p>Bluetooth distance</p> <p>Max wireless range: 30 m (unobstructed)</p>	
7	3 units	➤ Basic Optics Light Source	
		<p>Specifications</p> <p>Bulb type: G4 halogen, 12V, 10W</p> <p>Input Power (to included AC Adapter): 100 to 240 VAC, 50 to 60 Hz</p> <p>Dimensions: 16 cm x 10 cm x 9 cm</p>	
8	1 unit	➤ PRO Tablet 12-inch w/Pen	
		<p>Stylus Pen</p> <p>LED-backlit IPS LCD, capacitive touchscreen, 16M colors</p> <p>12.9 inches, 515.3 cm² (~76.4% screen-to-body ratio)</p> <p>2732 x 2048 pixels, 4:3 ratio (~265 ppi density)</p> <p>Scratch-resistant glass, oleophobic coating</p> <p>True-tone display</p> <p>64GB, 4GB RAM</p> <p>12 MP (f/1.8, 1/3"), phase detection autofocus, OIS, quad-LED dual-tone flash</p> <p>Geo-tagging, simultaneous 4K video and 8MP image recording, touch focus, face/smile detection, HDR</p> <p>2160p@30fps, 1080p@30/60fps, 1080p@120fps, 720p@240fps</p> <p>7 MP (f/2.2, 32mm), 1080p@30fps, 720p@240fps,, face detection, HDR, panorama</p> <p>A-GPS, GLONASS (Wi-Fi + Cellular model only)</p> <p>Non-removable Li-Ion 10,891 mAh battery (41 Wh)</p> <p>305.7 x 220.6 x 6.9 mm (12.04 x 8.69 x 0.27 in)</p> <p>677 g (Wi-Fi) / 692 g (LTE) (1.49 lb)</p>	
III. Terms of Technical Support			
1	The Supplier shall provide 24/7 telephone, e-mail, chat, and remote technical support services covering all Goods with a two-day response time from SLSUs posting of support request.		

2	The Supplier shall provide next-business-day onsite support for technical issues not resolved through the actions described in the preceding paragraph. Hardware defects/errors in any component of the Goods shall automatically require onsite support.	
IV. Warranty		
1	The Supplier shall post a warranty security for a minimum period of one (1) year after acceptance by SLSU of the delivered items. The obligation for the warranty shall be covered by either retention money in an amount equivalent to at least one percent (1%) of every progress payment, or special bank guarantee equivalent to at least one percent (1%) of the total contract price. The said amounts shall only be released after the lapse of the warranty period and all the conditions imposed under the contract have been fully met.	
2	The Supplier shall replace Goods found to have satisfactory defects immediately inclusive of cost of replacement/repair of parts and labor.	
V. Delivery and Retrieval		
1	The Supplier shall deliver the goods within ninety (90) calendar days from the receipt of the Notice to Proceed.	
2	The Supplier must repair Goods that are under warranty within five (5) working days.	
	In case replacement or repair will take longer than five (5) working days, the Supplier shall provide a temporary replacement unit of equal capability and features as the item to be replaces/repaired.	
VI. Terms of Payment		
1	All payments shall be inclusive of Value-Added Tax (VAT) and other lawful charges.	
VII. Miscellaneous		
1	The Supplier shall agree with the definitions and terms found in the General Conditions of Contract (GCC) and Special Conditions of Contract (SCC) contained in the Philippine Bidding Documents for Procurement of Goods issued by the Government Procurement Policy Board (GPPB).	

Note:

Bidder must state compliance to each of the provisions in the Terms of Reference/Technical Specifications, as well as to the Schedule of Requirements. The STATEMENT OF COMPLIANCE must be signed by the authorized representative of the Bidder, with proof of authority to sign and submit the bid for and in behalf of the Bidder concerned. If the Bidder is a joint venture, the representative must have authority to sign for and in behalf of the partners to the joint venture.

Conformé:

[Signature/s]

[Name of Bidder's Authorized Representative/s]

[Position]

[Date]