



# University of Science and Technology of Southern Philippines

Alubijid | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon

## BID FORM

NAME OF THE PROJECT : **Proposed Procurement for the Supply and Delivery of EMT Laboratory Equipment for USTP-Villanueva Campus**

APPROVED BUDGET OF : **ONE MILLION FOUR HUNDRED SEVENTY-SEVEN THOUSAND SEVEN HUNDRED FORTY PESOS AND 00/100 (P1,477,740.00) ONLY**

BRIEF DESCRIPTION : **Supply and Delivery of EMT Laboratory Equipment for USTP-Villanueva Campus**

SOURCE OF FUND : **IGI FY 2022**

CONTRACT DURATION : **Sixty (60) Calendar Days**

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
1	Box Wrench 46pcs Tool Box Set socket wrench	2	sets	812.00	P	P
2	Claw Hammer 8Oz. Fiber Glass	2	pcs	174.00	P	P
3	Cordless Reciprocating Saw 48V, +4 Saw blades Metal Cutting Wood Tool Portable Woodworking Cutters With 2PCS Batteries	2	sets	2,148.00	P	P
4	Digital Clamp Meter AC Current NCV AC/DC Voltage Tester	15	pcs	1,000.00	P	P
5	Digital Multimeter 6000 Counts/2000 Counts True RMS Auto Ranging NCV AC/DC Voltage Current Resistance Multi-Tester	15	pcs	1,000.00	P	P
6	Heavy Duty Bolt Cutter 18"/450mm AK-0625	2	pcs	1,168.00	P	P
7	Metal Drill Hand Tool punch 1x 155mm Centre Punch Automatic Adjustable Spring Loaded	2	pcs	435.00	P	P
8	Multifunctional Electrician Pliers Long Nose Pliers Wire Stripper Cable Cutter Terminal Crimping Hand Tools	20	pcs	800.00	P	P
9	Original Spirit Level 80 cm	2	pcs	741.00	P	P
10	Pipe bender in 1 Tube Bender	2	pcs	591.00	P	P
11	Pipe Threader PVC Thread Maker Pipe Threader Tool Set 1/2 3/4 1 NPT Tube	2	sets	412.00	P	P
12	rechargeable wood cutting saw 20V Lithium automatic DC Cordless Battery 20V cordless reciprocating saw cutting metal	2	pcs	1,385.00	P	P

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
13	Soldering Iron 90W Constant Temperature Electric Soldering Iron 180~480°C Temperature 300 watts	10	pcs	700.00	P	P
14	Tap Reamer 12Pcs/Set Metric Hand Tap Die Set M3-M12 Screw Thread Plugs Straight Taper Wrench Reamer Tool	2	sets	1,391.00	P	P
15	Wire Stripper Long Needle Nose Nipper Electric Wire Stripper Cable Cutting Tool Pliers	2	pcs	600.00	P	P
16	Wire Stripping Tool Self-adjusting & Automatic	20	pcs	500.00	P	P
17	Ball Pein Hammer	2	pcs	961.00	P	P
18	Electrician Knife	2	pcs	652.00	P	P
19	<p>ELECTRO-PNEUMATICS TRAINER</p> <p>Includes the following:</p> <p>Aluminum profile frame with Aluminum bar rack, 1200(L)x750(W)x30(T)mm</p> <p>Air service unit</p> <p>Air distributor</p> <p>Single-acting cylinder (Ø: 25mm, stroke: 50 mm)</p> <p>Double-acting cylinder w/ cushion/proximity switch (Ø: 25 mm, stroke: 125 mm)</p> <p>T-connector, 4mm</p> <p>One-way flow control valve</p> <p>3/2-way solenoid valve (N/C)</p> <p>Solenoid Valve Module ( 24 Vdc, with 4mm terminal bushings)</p> <ul style="list-style-type: none"> <li>• 5/2-way Single Solenoid Valve (3 units)</li> <li>• 5/2-way Double Solenoid Valve (3 units)</li> <li>• Shut-off Valve (1 unit)</li> </ul> <p>Cylinder Control Module</p> <ul style="list-style-type: none"> <li>• Double-acting cylinder (3 units)</li> <li>• Reed sensors for detecting movement (6 pcs)</li> </ul> <p>5/2-way single solenoid valve</p> <p>5/2-way double solenoid valve</p> <p>5/3-way solenoid Valve (All Block)</p> <p>Input Switch Module with ( with 4mm terminal bushings)</p> <p>4 Push-button switches</p> <p>2 Selector switches</p> <p>1 Emergency switch</p> <p>8 Toggle switches</p> <p>4 Digits Thumb wheel digital switch</p> <p>Relay unit module with 3 relays (4-set change-over contacts each coil))</p> <p>Digital Timer relay module (1 On-dealy and 1 Off delay) 1~99 sec delay</p> <p>Inductive sensor, PNP, 10~30 Vdc</p> <p>Capacitive sensor, PNP, 10~30 Vdc</p> <p>Optical sensor, PNP, 10~30 Vdc</p> <p>Optical Fiber Sensor, PNP, 12~24 VDC +/- 10%</p>	1	pcs	770,000.00	P	P



ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
	Electrical limit switch, left-actuated Electrical limit switch, right-actuated Pneumatic hose 4mm Pneumatic Hose 6mm Hose cutter Cable set (4mm of various colors and lengths sufficient to the exercises) Power supply (24 Vdc, 5A) Electro-pneumatics textbook Electro-pneumatics workbook (Advanced level) Air Compressor					
20	FLAT FILE SMOOTH 6"	2	pcs	640.00	P	P
21	Heat Gun 2000W	5	pcs	900.00	P	P
22	PROGRAMMABLE LOGIC CONTROLLER TRAINER Includes the following: Programmable Logic Controller Trainer <ul style="list-style-type: none"> <li>• Programmable Logic Controller</li> <li>• Digital Input: at least 14</li> <li>• Digital Output: at least 10</li> <li>• 4 mm Safety socket type I/O terminals</li> <li>• DB-25 Input and Output interface.</li> <li>• Power switch, AC cord, Fuse holder with Fuse</li> <li>• Ethernet cable</li> <li>• TIA Portal Software</li> <li>• Aluminum enclosure with 2 sets of one-touch clamp system</li> </ul> Push-button Switch Set Module <ul style="list-style-type: none"> <li>• Power : DC 24V</li> <li>• 2 sets Momentary push-buttons with pilot indicator</li> <li>• 1 set of Detent / Locking push-button with pilot indicator</li> </ul> <ul style="list-style-type: none"> <li>• 4 mm bushings for I/O terminals</li> <li>• Contact : 4-set each buttons (2 N.O. and 2 N.C.)</li> <li>• Contact allowable : Max, 1A</li> <li>• Aluminum enclosure with 2 sets of one-touch clamp mounting</li> </ul> Output Display Module <ul style="list-style-type: none"> <li>• 2 Pilot lights</li> <li>• 8 LED lights</li> <li>• 1 Buzzer</li> <li>• 4 Digits Display (FND)</li> <li>• 4mm bushings / terminal socket</li> <li>• DB-25 Interface</li> <li>• Aluminum enclosure with 2 sets of one-touch clamp mounting</li> </ul> Optical Fiber Sensor <ul style="list-style-type: none"> <li>• Output: Normally Open / Normally Closed, PNP</li> <li>• Power: 12~24 VDC +/- 10%</li> </ul>	1	pcs	550,000.00	P	P

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
	<ul style="list-style-type: none"> <li>• Metal bracket mounted on one-touch clamp mounting</li> <li>• Terminals with 4mm bushing socket</li> </ul> Optic Fiber w/ Separated Bracket <ul style="list-style-type: none"> <li>• Fiber cable diameter: 2.2 mm, Length: 2,000 mm</li> <li>• Metal brackets mounted on one-touch clamp mounting</li> </ul> Optic Fiber w/ a bracket <ul style="list-style-type: none"> <li>• Fiber cable diameter: 2.2 mm, Length: 2,000 mm</li> <li>• Metal brackets mounted on one-touch clamp mounting</li> </ul> PLC Manual and Exercises					
23	6pcs Insulated Screwdriver Set 1000V, Round Shank IHT	2	pcs	1,560.00	P	P
24	<p>Basic ARDUINO Package</p> <p>The Arduino Starter Kits featuring the Arduino Uno microcontroller board</p> <p>Primarily an educational tool for newcomers to Arduino and electronics, the starter kits are also suitable for the experienced designer.</p> <p>Using the included Arduino Projects Book, you can gain step-by-step knowledge on code, circuits and bread-boards via 15 suggested projects (although the starter kit is not limited to these projects).</p> <p>The ARDUINO Trainer must able to perform the following experiments:</p> <ol style="list-style-type: none"> <li>1) Learning the tools</li> <li>2) Spaceship interface</li> <li>3) Love-o-meter</li> <li>4) Colour Mixing Lamp</li> <li>5) Servo-motor Mood indicator</li> <li>6) Light Theremin</li> <li>7) Keyboard</li> <li>8) Digital Hourglass</li> <li>9) Motorised Pinwheel</li> <li>10) Zoetrope</li> <li>11) Magic 8-ball</li> <li>12) Knock lock</li> <li>13) Touch Sensor Lamp</li> <li>14) Tweak the Arduino logo</li> <li>15) Hacking buttons</li> </ol> <p>The Arduino Kit must composed of the following technical data:</p> <ul style="list-style-type: none"> <li>• 1 Arduino Project Book (170 pages)</li> <li>• 1 Arduino Uno rev.3 microcontroller board</li> </ul>	4	pcs	13,750.00	P	P

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
	<ul style="list-style-type: none"> <li>· 1 USB cable</li> <li>· 1 Breadboard</li> <li>· 1 Easy to assemble wood base</li> <li>· 1 9V battery snap</li> <li>· 1 70 hard cables</li> <li>· 2 flexible cables</li> <li>· 6 photoresistors</li> <li>· 3 trimmer d10KOhm</li> <li>· 10 pushbuttons</li> <li>· 1 temperature sensor</li> <li>· 1 tilt sensor</li> <li>· 1 LCD (16x2i)</li> <li>· 1 white LED</li> <li>· 1 RGB LED</li> <li>· 8 red LEDs</li> <li>· 8 green LEDs</li> </ul> <p>The Arduino Starter Kits featuring the Arduino Uno microcontroller board Primarily an educational tool for newcomers to Arduino and electronics, the starter kits are also suitable for the experienced designer. Using the included Arduino Projects Book, you can gain step-by-step knowledge on code, circuits and bread-boards via 15 suggested projects (although the starter kit is not limited to these projects).</p>					
25	Wire Stripper / Splicer	10	pcs	790.00	P	P
TOTAL:						P

Total Bid Price in Figure: \_\_\_\_\_

Total Bid Price in Words: \_\_\_\_\_

Name and Signature of Bidder: \_\_\_\_\_

All bid proposals must be sealed in envelopes properly labeled and submitted to this University on or before the deadline of submission of bids, **May 25, 2022, 02:00 P.M.** at the Procurement Services, 2nd Level Gymnasium Lobby, University of Science and Technology of Southern Philippines, C.M. Recto Ave., Lapasan Cagayan de Oro City.

The University of Science and Technology of Southern Philippines assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. The USTsP neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation on their bids nor guarantee that an award will be made.

  
**ATTY. JONATHAN S. OCHE**  
 BAC I Chairperson