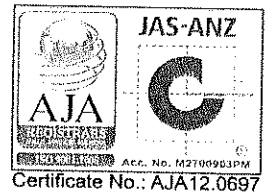


Republic of the Philippines
ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY

La Paz, Iloilo City
 • Trunkline: (033)320-7190 • Telefax: (033)329-4274
 • Website: www.isat.edu.ph



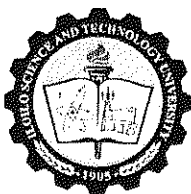
SUPPLEMENTAL / BID BULLETIN
 October 20, 2017

To all prospective bidders for the Procurement of the Laboratory Apparatus

Project Reference Number: ISAT U GOODS-2017-10-58
 Location of the Contract: ISAT University Main Campus, Burgos Street,
 La Paz, Iloilo City
 Approved Budget for the Contract (ABC): Php1, 004,709.00

Please take notice of the revised Technical Specifications the above mentioned project.

Item No.	Specification	Quantity	Unit
1	CO2 GAS DIGITAL SENSOR Can measure carbon dioxide concentration in the atmosphere. Must be compatible with PASCO's Xplorer GLX design. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	1	set
2	FOUR-SCALE METERSTICK Constructed of plastic or metal square channel-one side has a millimeter markins, another with centimeter markings, the third side with decimeter markings and the last side with only a meter marking. Markings should either be etched or placed in the channel in such a way that it cannot be erased. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	10	set
3	GPS POSITION SENSOR Correlates GPS coordinates with sensor measurements, Must be compatible with PASCO's Xplorer GLX design. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	1	set
4	Low Voltage AC/DC Power Supply DC Output Voltage: 0-24V; Current: From 0 to 12V, 10A maximum. From 12 to 24V, linearly decreasing from 10A to 6A, dependent on voltage setting meter: digital display (volts/amps), 1% ±2LSD, Ripple: < 25mVpp; AC Output Voltage: 0-24VAC, continuously adjustable; Current: 0-6A; Overload Protection Meter: digital display, 2%±LSD; Power use: 320W. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	1	set
5	O2 GAS DIGITAL SENSOR Measures oxygen concentration in the atmosphere. Must be compatible with PASCO's Xplorer GLX design. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	1	set

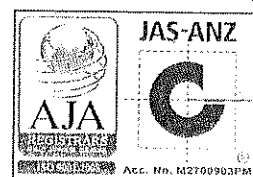


Republic of the Philippines
ILOILO SCIENCE AND TECHNOLOGY UNIVERSITY

La Paz, Iloilo City

• Trunkline: (033)320-7190 • Telefax: (033)329-4274

• Website: www.isat.edu.ph



Certificate No.: AJA12.0697

6	SPECIFIC HEAT SET a set of five or more different materials, all having the same mass preferably 80g. Materials should be aluminum, brass, stainless steel, zinc and copper or other common metals. Each sample should have a hole to tie a loop of string to hang the sample in water or any means for this to be done. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	5	set
7	TAPE TIMER Must have 2 crystal-controlled calibrated frequencies of 10 Hz and 40 Hz. It shall also include an internal battery or use an optional external AC adapter/power supply. It can also prints on a 12.5 mm wide, plain paper. It also includes a carbon paper discs which is used for printing. The units shall also include 10 rolls of paper each 150 m or longer, at least 10 carbon paper discs, a battery and a manual. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	2	set
8	TENSION PROTRACTOR The unit is in circular form with two scales on each face, one for tension reading to a max of 5.0 N of torsion spring scale and the other for the reading of the angle; scales shall be large enough for reading. There should be a zero adjustment for the torsion spring scale and a built-in rod clamps. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	6	set
9	TOP LOADING BALANCE Has a capacity of 0-400 g, Resolution: 0.01g. Shall include 12 cm diameter pan, two-button operation and visual menu, sealed front panel molded spill ring and removable stainless steel platforms. Includes a USB interface for complete flexibility in Windows PC connectivity. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	3	set
10	VOLTAGE/CURRENT SENSOR It can measure power used by an electrical device and resistance of any electrical element. Voltage: $\pm 10V$ resolution of 0.005V; Current Range; $\pm 1A$ resolutions of 500mA; Current Channel series Resistance: $0.6 \Omega < 0.9 \Omega <$ at room temperature; Maximum Common Mode Voltage: 10V; Maximum sample rate: 1000 samples/sec; Voltage Input Impedance: 2M. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	3	set
11	WEATHER DIGITAL SENSOR It can measure wind speed, air pressure, humidity, temperature and dew point. Must be compatible with PASCO's Xplorer GLX design. Provided with experiment manuals. With at least a year of warranty on parts and technical support. Free trainings on its use.	1	set

For the information, notice and guidance of all prospective bidders.

Corbal

DR. CORAZON C. CORBAL
BAC CHAIRMAN