

**Supply, Delivery and Installation of IT, Technical and Scientific Laboratory Equipment (Improving CEIT Laboratories)**

Item	Unit	Item Description	Quantity	Unit Cost	Total Cost
1	pcs	Windows 10 (Professional)	58	9,000.00	522,000.00
2	pcs	Microsoft Office Home and Student	90	5,500.00	495,000.00
3	pcs	Adobe Photoshop CC (package) (per yr., per License)	2	87,550.00	175,100.00
4	pcs	Microsoft Visual Studio Enterprise 2017	2	149,950.00	299,900.00
		Lot 1 Software		Sub Total	1,492,000.00
5	pcs	NI Multisim Software Education 10 User License) Single Seat NOT CONCURRENT 3yrs. Circuit Design Education Standard Service Program (10 users)	1	451,872.00	451,872.00
		Lot 2 Software		Sub Total	451,872.00
6	unit	MatLab Software Latest version, Simulink, Optimization, Symbolic Math, Deep Learning, Control System, Data Acquisition, Image Processing Tool Box, Simscape, Simscape Electrical, Simulink Control Design, and Simulink Design Optimization	25	26,400.00	660,000.00
		Lot 3 Software		Sub Total	660,000.00
7	pcs	Electrical Transient and Analysis Program (software program for electrical engineers)	2	62,500.00	125,000.00
		Lot 4 Software		Sub Total	125,000.00
8	unit	Small anthropometer - small bone caliper measures from 0 to 30 cm in 0.1 cm increments. used to measure smaller muscle masses like the bicep and calf.	4	14,000.00	56,000.00
9	unit	Large anthropometer - large bone caliper used to measure shoulder width, long bone length and chest depth. measures between 0 and 60 cm in 0.1 cm increments. spring-loaded ball bearing in a sliding C-shaped arm	4	15,000.00	60,000.00
10	unit	Back & Leg dynamometer - Baseline Leg Back Chest Dynamometer large muscles of the trunk and legs. Range 0-300kg. Graduation 1kg. Adjustable handle, easy to read dial display.	1	70,000.00	70,000.00
11	unit	Sit & Reach anthropometer - Baseline Sit & Reach Trunk Flexibility Box platform scale containing an auto-zero slide arm that extends more than 16 inches. The rule is marked in 1/2 inch increments to 23 inches, and in centimeters to 59cm. Adjustable Sit and Reach Flexibility Tester has the following dimensions: Base: 18 inch long x 12 inch wide x 13-3/4 inch high Top: 27 1/2 inch long x 12 inch wide	2	25,000.00	50,000.00
12	unit	Purdue pegboard or Minnesota-Purdue Peg Board Test Each board comes complete with 25 collars, 45 washers, 55 pins, and a manual with norms so that you have everything you need in one place for convenient, effective, and normalized testing Extra parts for the Purdue pegboard: 25 collars, 45 washers and 55 pins Dimensions: 8" x 5" x 7". Extra scoring records for the Purdue pegboard: 25 sheets Dimensions: 9" x 2" x 12"	5	15,000.00	75,000.00
13	unit	Manual Dexterity test - Minnesota Manual Dexterity Test, Test includes five sub-tests: Placing, turning, displacing, one-hand turning, and two hand turning and placing. testing setup includes 2 folding boards, 60 blocks, a protective carrying case and an instruction manual	5	18,000.00	90,000.00
		Lot 5 Equipment 1		Sub Total	401,000.00
14	unit	Lux Meter - max range 40,000 lux, Accuracy 5% + 10d, max resoln. 0.1 lux/ftc measuring rate 1.5 times/sec	5	8,000.00	40,000.00
15	unit	Temperature Gauge - model fluke 51 II, handheld digital probe thermometer Single Input digital thermometer for lab, QA, process calibration, food safety and HVAC Measures J, K, T, and E-type thermocouples Presents results in °C, °F, or Kelvin (K) on a large backlit display Includes a relative time clock on MIN, MAX, and AVG	5	4,000.00	20,000.00
16	unit	Lathe Machine - 2hp 5ft. Bed, height of center overbed, maximum swing overbed Swing over bed: 305mm, Swing over gap: 440mm Swing over saddle: 173mm, Distance between Center: 940mm 530mm(CZ1224G), Length over bed: 1473mm, CZ1224G) Width is bed: 182mm, Hole through spindle :38mm Tailstock barrel travel: 100mm, Cross slide travel: 150mm Tool slide travel: 90mm, Saddle travel: 850mm, Taper of spindle hole: MT5, Taper of Tailstock barrel: MT3, Range of spindle speed: 9 steps 64-1500rpm	1	270,000.00	270,000.00
17	unit	Electric Soldering Machine -Digital soldering station end safe Comes with fx-888d, fx-8801 soldering iron, t18-d16 tip, Fh800 iron holder, A1559 sponge, A1561 cleaning wire, manual Adjustable temperature control 220V.	1	12,000.00	12,000.00

18	unit	HYDRAULIC PIPE BENDER BENDERS, bending machine Folding Machine CARBON STEEL MATERIAL, Dual PUMP with Tripod 1/2 - 3 inches PIPE capacity 90-180 degrees angle	1	60,000.00	60,000.00
19	unit	Digital Tachometer (at least-1000 rpm, 240v)	1	51,154.00	51,154.00
			Lot 6 Equipment 2	Sub Total	453,154.00
20	lot	Optical, Analog, Digital Communication and Electrical Trainer <b>BASE UNIT</b> Manual Base Unit with Built-In Power Supply consisting of: 2 Manual Base Unit with Built-In Power Supply 2 Cord Line 220V, 2 Dual-Trace Digital Storage Oscilloscope, 2 Digital Multimeter / Function Generator. <b>BOARDS</b> <b>AND MANUALS</b> 2 DC Fundamentals 2 DC Fundamentals (Student Manual) 2 DC Fundamentals (Instructor Guide) 2 DC Network Theorems 2 DC Network Theorems (Student Manual) 2 DC Network Theorems (Instructor Guide) 2 AC 1 Fundamentals 2 AC 1 Fundamentals (Student Manual) 2 AC 1 Fundamentals (Instructor Guide) 2 AC 2 Fundamentals 2 AC 2 Fundamentals (Student Manual) 2 AC 2 Fundamentals (Instructor Guide) 2 Analog Communications 2 Analog Communications (Student Manual) 2 Analog Communications (Instructor Guide) 2 Digital Communications 1 2 Digital Communications 1 (Student Manual) 2 Digital Communications 1 (Instructor Guide) 2 Motors, Generators and Controls 2 Motors, Generators, and Controls (Student Manual) 2 Motors, Generators, and Controls (Instructor guide)	1	2,036,259.00	2,036,259.00
			Lot 7 Equipment 3	Sub Total	2,036,259.00
21	unit	AIRCON, 2.5hp, split type inverter High Wall Airconditioner Cooling Capacity: 4,320-23,400 kJ/hr EER: 18.8 kJ/W-hr 230-2,350 Watts R410A Refrigerant Higher EER	4	69,300.00	277,200.00
			Lot 8 Aircon	Sub Total	277,200.00
22	unit	Heavyduty 3hp water booster pump, IRRI-GATOR Self-Priming Centrifugal Pump, 86 GPM, 1 Phase, 1-1/2" NPT Suction, 1-1/2" NPT Discharge AC 220-240 volts	1	34,200.00	34,200.00
			Lot 9 Water pump	Sub Total	34,200.00
				GRAND TOTAL	5,930,685.00

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