**Kennebec Valley Community College**
**92 Western Avenue**
**Fairfield, ME 04937**

# Competitive Bid
# Request for Proposal
**This is Not an Order**

## Electrical Technology Supplies

| | |
|---|---|
| **Date:** | **January 7, 2022** |
| **Site Walk-thru:** | **N/A** |
| **Proposal Due On:** | **January 21, 2022** |
| **Return Proposal To:** | **Elizabeth Fortin** |
| | **Dean of Workforce Training & Professional Development** |
| | **Kennebec Valley Community College** |
| | **92 Western Avenue** |
| | **Fairfield, Maine 04937** |
| **Telephone:** | **(207)-453-5858** |
| **Email:** | **efortin@kvcc.me.edu** |

# Competitive Bid Request for Proposal
# Electrical Technology Supplies

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# Electrical Technology Supplies

## 1.0 Introduction

*Kennebec Valley Community College (KVCC) is soliciting proposals to procure supplies for electrical technology certificate training located at the Fairfield Campus in Fairfield, Maine.*

A detailed explanation of the scope and specifications is contained in **Section 6.0, Scope of Services**. Preference will be given to the proposals conforming to the specifications provided; however, alternate recommendations may be considered. If a vendor chooses to make inquiries on the specifications provided, the rules set forth in **Section 8.0, Interpretation of Contract Documents**, apply. KVCC reserves the right to accept or reject any or all of the proposals received, in part or in whole.

## 2.0 Background

Kennebec Valley Community College is a comprehensive community college offering technical, career, and transfer education in addition to customized training for businesses and industries in Kennebec, Somerset, Waldo and Knox Counties. The College is located on two campuses in mid-Maine. Its 70-acre main campus in Fairfield, Maine is reached by taking Exit 132 off Interstate 95. The 600-acre Harold Alfond Campus is located seven miles north of the Fairfield campus on U.S. Route 201 in Hinckley, Maine.

## 3.0 Schedule / Modifications

| Description | Day/Date | Time |
|---|---|---|
| RFP Issued | January 7, 2022 | |
| Site Walkthrough | N/A | N/A |
| Proposals Due On | January 21, 2022 | 3:00 P.M. ET |
| Award Decision & Notification | January 24, 2022 | |

## 4.0 Examination of Specifications and Schedule

Each bidder or authorized agent is expected to examine the bid specifications, contract documents and all other instructions pertaining to this RFP. Failure to do so will be at the bidder's own risk, and the bidder cannot secure relief on the plea of error in the bid. KVCC reserves the right to accept or reject any and all bids in part or in whole.

## 5.0 Submission of Bids

The Proposal, which must be signed by a person having proper authority to legally obligate the offering company, along with any additional supporting material, **must be received no later than January 21, 2022 by 3:00 p.m. (ET)**.

All proposals are to be marked "Electrical Technology Supplies" and mailed to:

Elizabeth Fortin
Dean of Workforce Training & Professional Development
Kennebec Valley Community College
92 Western Avenue
Fairfield, ME 04937

Proposals may also be e-mailed to: efortin@kvcc.me.edu, with the subject line "Electrical Technology Supplies"

## 6.0 Scope of Services

The Scope of Services set forth in this Request for Proposal (RFP) represents an outline of the services the College anticipates the successful proposer to perform and is presented for the primary purpose of allowing the College to compare proposals. The precise scope of services shall be negotiated between the College and the successful Proposer.

6.1 Scope

Supply and delivery of electrical technology supplies for educational purposes.

6.2 Specifications

The following specifications are minimum acceptable requirements. Any specific reference to manufacturer(s) and/or catalog/model/stock numbers provided is to establish the design, type of construction, quality, functional capability and performance level desired. The bidder may offer an alternate product believed to be an equal. Any alternate product(s) bid must be clearly identified by manufacturer and catalog, model or stock number. Adequate detailed specifications of the product offered must be included with your bid to establish equivalency and to ensure that the product being bid meets all specifications:

- Twenty (20) RIGOL DP832 DC Power Supply
- Twenty (20) Tektronix TDS2014C Digital Oscilloscope
- Twenty (20) Agilent 33210 Function Generator
- Twenty (20) AC Transformer Power Supply
- Twenty (20) Banana Plug to Mini Hooks Test Cable
- Twenty (20) Banana Plug to Alligator Clips Test Cable
- Twenty (20) Banana Plug to Banana Plug Test Cable
- Twenty (20) BNC to Mini Clip Coax Cable
- Twenty (20) Tektronix Oscilloscope Probe/s 10x
- Twenty (20) BNC to BNC Coax Cable
- Twenty (20) Trim Pot Screw Drives
- Twenty (20) Switch-Load Circuit Board Small

- Twenty (20) Switch-Load Circuit Board Large
- Five (5) Digital Logic Probe
- Ten (10) Soldering Flux Rosin
- Ten (10) Soldering Iron Tip Cleaner
- Five (5) Chem-Wik 10-50L .100 Solder Wick/Rosin
- Ten (10) Soldering Gun Kit
- Five (5) 60/40 .031 Flux Core Solder
- Three (3) Agilent U1731 LCR Meter
- One (1) #22 AWG Copper Wire Red (100 feet)
- One (1) #22 AWG Copper Wire Blue (100 Feet)
- One (1) #22 AWG Copper Wire Black (100 Feet)
- One (1) #22 AWG Copper Wire Yellow (100 Feet)
- One (1) #22 AWG Copper Wire Brown (100 Feet)
- One (1) 850 – 1550nm Infrared Detection Card (Sensor Card)
- One hundred (100) 1 Ω ½ Watt Resistor
- One hundred (100) 10 Ω ½ Watt Resistor
- One hundred (100) 33 Ω ½ Watt Resistor
- One hundred (100) 47 Ω ½ Watt Resistor
- One hundred (100) 51 Ω ½ Watt Resistor
- One hundred (100) 75 Ω ½ Watt Resistor
- One hundred (100) 100 Ω ½ Watt Resistor
- One hundred (100) 120 Ω ½ Watt Resistor
- One hundred (100) 130 Ω ½ Watt Resistor
- One hundred (100) 150 Ω ½ Watt Resistor
- One hundred (100) 180 Ω ½ Watt Resistor
- One hundred (100) 200 Ω ½ Watt Resistor
- One hundred (100) 220 Ω ½ Watt Resistor
- One hundred (100) 240 Ω ½ Watt Resistor
- One hundred (100) 270 Ω ½ Watt Resistor
- One hundred (100) 330 Ω ½ Watt Resistor
- One hundred (100) 390 Ω ½ Watt Resistor
- One hundred (100) 560 Ω ½ Watt Resistor
- One hundred (100) 680 Ω ½ Watt Resistor
- One hundred (100) 910 Ω ½ Watt Resistor
- One hundred (100) 1 kΩ ½ Watt Resistor
- One hundred (100) 1.2 kΩ ½ Watt Resistor
- One hundred (100) 1.5 kΩ ½ Watt Resistor
- One hundred (100) 1.8 kΩ ½ Watt Resistor
- One hundred (100) 2 kΩ ½ Watt Resistor
- One hundred (100) 2.2 kΩ ½ Watt Resistor
- One hundred (100) 2.7 kΩ ½ Watt Resistor
- One hundred (100) 3 kΩ ½ Watt Resistor
- One hundred (100) 3.6 kΩ ½ Watt Resistor
- One hundred (100) 3.9 kΩ ½ Watt Resistor
- One hundred (100) 4.7 kΩ ½ Watt Resistor
- One hundred (100) 5.1 kΩ ½ Watt Resistor
- One hundred (100) 5.6 kΩ ½ Watt Resistor

- One hundred (100) 6.2 kΩ ½ Watt Resistor
- One hundred (100) 6.8 kΩ ½ Watt Resistor
- One hundred (100) 8.2 kΩ ½ Watt Resistor
- One hundred (100) 9.1 kΩ ½ Watt Resistor
- One hundred (100) 10 kΩ ½ Watt Resistor
- One hundred (100) 11 kΩ ½ Watt Resistor
- One hundred (100) 12 kΩ ½ Watt Resistor
- One hundred (100) 15 kΩ ½ Watt Resistor
- One hundred (100) 16 kΩ ½ Watt Resistor
- One hundred (100) 18 kΩ ½ Watt Resistor
- One hundred (100) 20 kΩ ½ Watt Resistor
- One hundred (100) 22 kΩ ½ Watt Resistor
- One hundred (100) 24 kΩ ½ Watt Resistor
- One hundred (100) 27 kΩ ½ Watt Resistor
- One hundred (100) 30 kΩ ½ Watt Resistor
- One hundred (100) 33 kΩ ½ Watt Resistor
- One hundred (100) 39 kΩ ½ Watt Resistor
- One hundred (100) 43 kΩ ½ Watt Resistor
- One hundred (100) 47 kΩ ½ Watt Resistor
- One hundred (100) 56 kΩ ½ Watt Resistor
- One hundred (100) 62 kΩ ½ Watt Resistor
- One hundred (100) 68 kΩ ½ Watt Resistor
- One hundred (100) 75 kΩ ½ Watt Resistor
- One hundred (100) 82 kΩ ½ Watt Resistor
- One hundred (100) 91 kΩ ½ Watt Resistor
- One hundred (100) 100 kΩ ½ Watt Resistor
- One hundred (100) 510 kΩ ½ Watt Resistor
- Ten (10) 100 Ω 5 Watt Resistor
- Ten (10) 2 Ω 25 Watt Resistor
- Ten (10) 100 Ω 2 Watt Resistor
- Ten (10) 150 Ω 2 Watt Resistor
- Ten (10) 1 Ω 1 Watt Resistor
- Ten (10) 15 Ω 25 Watt Resistor
- Ten (10) 50 Ω 25 Watt Resistor
- Five (5) 500 Ω 2 Watt Potentiometer (Pre-wired Red, Yellow, Black Leads)
- Five (5) 10 kΩ 2 Watt Potentiometer (Pre-wired Red, Yellow, Black Leads)
- Five (5) 10 kΩ 2 Watt Potentiometer (Pre-wired Red, Yellow, Black Leads)
- Five (5) 200 Ω Precision Potentionmeter
- Five (5) 500 Ω Precision Potentionmeter
- Five (5) 1 kΩ Precision Potentionmeter
- Five (5) 5 kΩ Precision Potentionmeter
- Five (5) 10 kΩ Precision Potentionmeter
- Five (5) 20 kΩ Precision Potentionmeter
- Five (5) 50 kΩ Precision Potentionmeter
- Five (5) 100 kΩ Precision Potentionmeter
- Twenty (20) Normally Open Push Button
- Twenty (20) Normally Closed Push Button

- Twenty (20) 8-Position Dip Switch
- Twenty-five (25) HLS-14F3L-DC 12V Relay
- Twenty-five (25) 12V 0.2A 2.4 Watt SUNON DC Fan
- Twenty-five (25) 12V DC Utility Motor
- Twenty-five (25) 12V 2.0W Lamp
- Twenty-five (25) 14V@100 mA (1.4 Watt) Lamps #7373
- Twenty-five (25) QED123 880nm IR LED
- Twenty-five (25) QSD123 880nm IR Detector (Photo Transistor)
- Twenty-five (25) Light Dependent Resistor – LDR (Photo-Cell)
- Twenty-five (25) 10 kΩ NTC Thermistor
- Twenty-five (25) RED LED Vishay TLHR5400
- Twenty-five (25) Green LED (08LCHG5 Super Bright) mcd = 4000
- Twenty-five (25) Blue LED (08LCHB5 Super Bright) mcd = 1500
- Twenty-five (25) Yellow LED (08LCHY5 Super Bright) mcd = 2500
- Twenty-five (25) White LED (08LCHW5 Super Bright) mcd = 5000
- Twenty-five (25) RGB LED Common Anode
- Twenty-five (25) 1 mH Inductor
- Twenty-five (25) 10 mH Inductor
- Twenty-five (25) 100 mH Inductor
- Twenty-five (25) 100 µH Inductor
- Fifty (50) 0.01 µF Mylar Capacitor
- Fifty (50) 0.1 µF Mylar Capacitor
- Fifty (50) 1 µF Mylar Capacitor
- Fifty (50) 2.2 µF Mylar Capacitor
- Fifty (50) 4.7 µF Mylar Capacitor
- Fifty (50) 47 µF Mylar Capacitor
- Fifty (50) 1 µF Electrolytic Capacitor
- Fifty (50) 10 µF Electrolytic Capacitor
- Fifty (50) 100 µF Electrolytic Capacitor
- Fifty (50) 1000 µF Electrolytic Capacitor
- Fifty (50) 2.2 µF Electrolytic Capacitor
- Fifty (50) 22 µF Electrolytic Capacitor
- Fifty (50) 220 µF Electrolytic Capacitor
- Fifty (50) 2200 µF Electrolytic Capacitor
- Fifty (50) 4.7 µF Electrolytic Capacitor
- Fifty (50) 47 µF Electrolytic Capacitor
- Fifty (50) 470 µF Electrolytic Capacitor
- Fifty (50) 4700 µF Electrolytic Capacitor
- Fifty (50) 10 µF Non Polarizerd Capacitor
- Fifty (50) 10 nF Disk Capacitor
- Fifty (50) 0.01 µF Disk Capacitor
- Fifty (50) 0.022 µF Disk Capacitor
- Fifty (50) 0.047 µF Disk Capacitor
- Fifty (50) 0.001 µF Disk Capacitor
- Fifty (50) 0.0022 µF Disk Capacitor
- Fifty (50) 330 pF Disk Capacitor
- Fifty (50) 470 pF Disk Capacitor

- Thirty (30) LM7812 12V Integrated Voltage Regulator
- Thirty (30) LM7805 5V Integrated Voltage Regulator
- Thirty (30) LM317 Variable Integrated Voltage Regulator
- Thirty (30) TO-220 Clip-On Heat Sinks
- Thirty (30) Bridge Rectifier
- Thirty (30) 2N3904 NPN Bipolar Transistor
- Thirty (30) 2N3906 PNP Bipolar Transistor
- Thirty (30) LM741 Operational Amplifier
- Thirty (30) 1N4001 General Purpose Diode
- Thirty (30) 1N4735 6.2V Zener Diode
- Thirty (30) 1N4733 5.1 Zener Diode
- Thirty (30) 2N5060 SCR
- Thirty (30) 2N6073 TRIAC
- Thirty (30) 1N4148 High Speed Diode
- Ten (10) 7404 NOT Gate
- Ten (10) 7408 AND Gate
- Ten (10) 7432 OR Gate
- Ten (10) 7400 NAND Gate
- Ten (10) 7402 NOR Gate
- Twenty (20) Elenco Breadboard 3742 Total Contact Points PLUS JW-350 with 350 Pre-Formed Jumper Wires
- Twenty (20) Texas Instruments TI-30Xa Calculator
- Twenty (20) Klien MM700 Digital Multimeter
- Twenty (20) Klien MM700 Digital Multimeter 500 mA/1000 Volt Fuses (Klein Cat. No. 69035)
- Twenty (20) XP-15K Elenco Variable Voltage Power Supply Kit

## 7.0 Contractor's Insurance

The Contractor shall maintain throughout the term of the agreement general liability insurance to insure against all claims of bodily injury or death, and property damage, arising out of work performed under this agreement. Such insurance shall provide coverage in an amount not less than $1,000,000 per occurrence and shall list KVCC as an added insured Contractor shall also maintain worker's compensation insurance in amounts required by state law.

## 8.0 Interpretation of Contract Documents

No oral interpretation will be provided to any bidder as to the meaning of the specifications or other contract documents. Every request for such interpretation shall be made in writing at least three (3) or more days before the proposal due date and submitted to:

Elizabeth Fortin
Dean of Workforce Training & Professional Development
Kennebec Valley Community College
92 Western Avenue
Fairfield, ME 04937

or via email at efortin@kvcc.me.edu

Any interpretation made to a bidder will be issued in the form of an addendum to the contract/bid documents which, if issued, shall be sent as promptly as practicable to all persons to whom the specifications have been

issued. All such addenda shall become part of the contract/bid documents.

## 9.0 Bid Review and Evaluation

The College reserves the right to reject all proposals, to waive any informalities and technicalities, and to solicit and re-advertise for new proposals, or to abandon the project in its entirety. The College reserves the right to make the award to that proposer who, in the opinion of the College, will be in the best interest of and/or the most advantageous to the College.

1. Evaluation Method (update as needed)

a. Technical ability to meet the outlined specifications
b. Specification match and variations
c. Added value features of proposal
d. Past performance and references
e. Cost of base proposal
f. Rates for additional labor and equipment
g. Price of additional services

## 10.0 Preparation of Bids

KVCC seeks the proposal that meets the specifications noted in this RFP. KVCC will review all proposals. The bidder shall include with the proposal any terms and conditions specific to their proposal.

Each valid proposal shall include:

- The contractor's name(s)
- Contact information (Address, phone, Fax, Email)
- Company quote with detailed specifications and pricing
- Company specific terms and conditions

## 11.0 Withdrawal of Bids

All proposals must be valid for at least thirty (30) days after the proposal due date, after which time proposals shall expire unless the proposer had been notified and agrees to an extension.

KVCC reserves the right to modify or withdraw this invitation, to reject any or all proposals, and to terminate any subsequent negotiations at any time. KVCC also reserves the right to choose the proposal that best meets the needs of its facility and training programs.

## 12.0 Taxation and Compliance

Maine Community College System d/b/a Kennebec Valley Community College is an educational institution organized under the laws of the State of Maine and so its purchase of goods is exempt from state, federal, and local sales and use taxes. The successful bidder agrees to comply with all applicable federal, state and local statutes, laws, codes, rules, regulations, ordinances and orders in the performance of the Contract.

## 13.0 Prohibited Terms and Conditions

**NOTICE TO VENDORS AND BIDDERS:**

KENNEBEC VALLEY COMMUNITY COLLEGE IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION INSTITUTION AND EMPLOYER FOR MORE INFORMATION, PLEASE CONTACT (207) 453-5019

## STANDARD TERMS AND CONDITIONS APPLICABLE TO ALL MCCS CONTRACTS

The following standard contracting terms and conditions are incorporated and shall become a part of any final contract that will be awarded by any college or other operating unit of the Maine Community College System (collectively "MCCS"). These terms and conditions derive from the public nature and limited resources of the MCCS. **MCCS DOES NOT AGREE TO:**

1. Provide any defense, hold harmless or indemnity;
2. Waive any statutory or constitutional immunity;
3. Apply the law of a state other than Maine;
4. Procure types or amounts of insurance beyond those MCCS already maintains or waive any rights of subrogation;
5. Add any entity as an additional insured to MCCS policies of insurance;
6. Pay attorneys' fees; costs, including collection costs; expenses or liquidated damages;
7. Promise confidentiality in a manner contrary to Maine's Freedom of Access Act;
8. Permit an entity to change unilaterally any term or condition once the contract is signed;
9. Automatic renewals for term(s) greater than month-to-month;
10. Limitations on MCCS' recovery of lawful damages incurred as a result of breach of the contract;
11. Limitation of the time period under which claims can be made or actions brought arising from the contract;
12. Vendor's terms prevailing over MCCS' standard terms and conditions, including addenda; and
13. Unilateral modifications to the contract by the vendor.

BY SUBMITTING A RESPONSE TO A REQUEST FOR PROPOSAL, BID OR OTHER OFFER TO DO BUSINESS WITH MCCS, YOUR ENTITY UNDERSTANDS AND AGREES THAT:

1. The above standard terms and conditions are thereby incorporated into any agreement entered into between MCCS and your entity; that such terms and condition shall control in the event of any conflict with such agreement; and that your entity will not propose or demand any contrary terms;

2. The above standard terms and conditions will govern the interpretation of such agreement notwithstanding the expression of any other term and/or condition to the contrary;

3. Your entity will not propose to any college or other operating unit of the MCCS any contractual documents of any kind that are not in at least 11-point black font on a white background and completely contained in one Word or PDF document, and that any references to terms and conditions, privacy policies or any other conditions referenced outside of the contract will not apply; and

4. Your entity will identify at the time of submission which, if any, portion or your submitted materials are entitled to "trade secret" exemption from disclosure under Maine's Freedom of Access Act; that failure to so identify will authorize MCCS to conclude that no portions are so exempt; and that your entity will defend, indemnify and hold harmless MCCS in any and all legal actions that seek to compel MCCS to disclose under Maine's Freedom of Access Act some or all of your submitted materials and/or contract, if any, executed between MCCS and your entity.