

REQUEST FOR PROPOSAL



BURLINGTON ELECTRIC DEPARTMENT

585 Pine Street
Burlington, VT 05401-4891
Phone: 802-865-7456

RFP #

001-25

DATE:

7/6/2024

REQUEST FOR QUOTATION

THIS IS AN INQUIRY,
NOT AN ORDER

PLEASE QUOTE PROMPTLY

ALL RFP'S RESPONSES ARE TO BE
UPLOADED TO OUR SECURE
WEB SITE USING YOUR UNIQUE LOGIN

DELIVERY REQUIRED BY:

ASAP

QUOTATION DUE BY

NLT 8/2/24 11AM EST

REQUISITION NO:

DEPT:

Distribution

QTY

DESCRIPTION

BURLINGTON ELECTRIC DEPARTMENT IS SEEKING QUOTES ON THE FOLLOWING Sub Barrel Switch

PLEASE QUOTE EACH PRODUCT WITH COST AND LEAD TIME. DELIVERY OF THE BELOW UNITS IS ASAP FREIGHT ALLOWED.

BURLINGTON ELECTRIC DEPARTMENT IS OWNED BY THE CITY OF BURLINGTON VT AND THEREFORE QUALIFIES FOR GSA PRICING IF AVAILABLE.

ON THE ITEMS BELOW YOU MUST SHOW YOUR PART# and VENDOR PART NUMBERS

SUB BARREL SWITCH 3PH, 4WAY,2CT MANUFACTURER# S42206226-00X-A0X

QTY

1

DELIVERY REQUIREMENT: SHIP FOB DESTINATION FREIGHT ALLOWED 0

BED RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL PROPOSALS RECEIVED IN RESPONSE TO THIS RFP OR TO TAKE OTHER ACTION CONSISTENT WITH THE BEST INTEREST OF BED. BED RESERVES THE RIGHT TO NEGOTIATE SEPARATELY WITH ANY SOURCE TO SERVE THE BEST INTEREST OF BED.

EXCEPTIONS TO THIS RFP SHALL BE SUBMITTED IN WRITING & ACCEPTED BY B.E.D. ON THE AWARDED P.O. TO BE BINDING. ALL SUBMITTED BIDS BECOME THE PROPERTY OF BURLINGTON ELECTRIC DEPARTMENT. AFTER THE AWARDING OF THE CONTRACT TO THE SUCCESSFUL BIDDER, ALL BIDS ARE OPEN FOR PUBLIC VIEWING.

VENDOR MUST COMPLETE THIS INFORMATION

- SHIPMENT CAN BE MADE _____ DAYS FROM RECEIPT OF ORDER
- F.O.B. DESTINATION FREIGHT ALLOWED BURLINGTON ELECTRIC DEPT. DOCK.
- TERMS _____ DISCOUNT OF _____ % IF PAID NET _____ DAYS
- QUOTE VALID _____ DAYS

SIGNED _____ DATE: _____

TITLE: _____ COMPANY: _____

**B.E.D. RESERVES THE RIGHT TO ACCEPT OR DECLINE ANY AND ALL BIDS.
ALL BIDS BECOME THE PROPERTY OF BURLINGTON ELECTRIC DEPARTMENT**

Paul Charbonneau

Director of Purchasing & Facilities

**TO INQUIRE ON ABOVE QUOTE PLEASE CALL
PURCHASING DEPARTMENT DIRECT AT:**

**PAUL CHARBONNEAU 865-7456
email: pcharbonneau@burlingtonelectric.com**

**BURLINGTON ELECTRIC DEPARTMENT
MATERIAL SPECIFICATION**

15 kV, 200/600 Amp, Outdoor, Deadfront, Vacuum Insulated, Submersible Switch

SCOPE

This specification covers the requirements for a submersible switchgear with fault interrupting capability, for use on 13800 Grounded Y/7970 volt, 60 hertz underground electrical distribution systems. The switch shall be three phase, group operated with (2) 200 amp and (2) 600 amp dead break bushings per ANSI / IEEE 386. The switch shall be suitable for use in switching load, loop, capacitor, cable charging and magnetizing currents.

A single line diagram indicating the circuit configuration, number of switched ways and type of bushings required will accompany the request for quotation.

Bidders must complete the "15 kV, 600 Amp, Submersible Switch Data Sheet" (page 5 of this specification) and return it with their quotation.

INDUSTRY STANDARDS

The switch shall meet or exceed the requirements of the latest versions of all applicable ANSI, ASTM, NFPA, IEEE and NEMA standards. In the event that this specification conflicts with these industry standards, this specification shall take precedence. Specific exceptions to this specification or to applicable industry standards shall be clearly noted with each quotation.

ELECTRICAL RATINGS

The switch shall meet or exceed the electrical ratings shown below:

Maximum Design Voltage:	15.0 kV
B.I.L., Impulse Withstand:	95 kV
Continuous and Interrupting Current:	200/600 Amps
Symmetrical One Second Current:	12,500 Amps

Electrical ratings shown assume the use of 600-amp elbows for mainline switched ways and 200-amp bushing well inserts on protected ways.

SWITCH CONSTRUCTION

The switch tank shall be constructed from 304 stainless steel.

The switch shall have a parking stand bracket next to each bushing with the elbows parking to the outside. All hinges, hinge pins, parking stands and permanent lifting provisions shall be stainless steel.

Control Cabinet

If specified by the RFP, the cabinet shall have a finish coating conforming to Munsell designation, 7.0 GY3.29/1.5 padmounted green.

Cabinet shall be constructed atop an 18" high pedestal, matching the color and construction of the cabinet. Bottom of the cabinet shall be minimum 18" above ground.

Pedestal shall be constructed to have a removable panel to allow for access to install cables from the vault to the cabinet.

The interior of the control cabinet shall have a means to prevent condensation, such as a coating of "no-drip" compound.

The control cabinet compartment door shall have provisions for a padlock.

The control cabinet shall include provisions (such as a heater) to protect equipment from freezing, condensation, and corrosion.

Switch Dimensions

Switch shall be constructed such that it can be lowered into a utility vault through a standard 40" diameter, round utility hole cover.

Any deviation from the above maximum dimension will have to be reviewed and approved by a member of Burlington Electric Department engineering team.

Switch Components

Switch shall have (2) 600-amp manually-operated switched ways and (2) 200-amp CT protected fault interrupting capable switched ways with provisions for relay control and motor-operators. The inclusion of relays and motor-operators will be specified in the RFP document if required.

If specified in the RFP, the (2) 200-amp CT-protected switched ways shall have motor operators that can be mechanically decoupled and are field replaceable.

The interrupter switches shall be rated for continuous and load interrupting capability in conformance with the requirements of ANSI C37.72.

The switchgear shall provide for visual verification of the switch position. The enclosure shall withstand a fault of 12,500 amps, symmetrical.

600-amp bushings, meeting the latest version of ANSI/IEEE 386 shall be provided for manual switched way terminations.

200-amp bushing wells, meeting the latest version of ANSI/IEEE 386 shall be provided for the protected switched way terminations.

Material Specification

15 kV, 200/600 Amp, Submersible Switch

Approved: *Burlington Electric*

S0131B

Date: 4/18/2024

Burlington Electric Department

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Labeling

The switch shall have a stainless-steel nameplate in the switch side compartment which is permanently stamped, embossed or engraved with the following information:

- Name of manufacturer.
- Type of load break switch (Number of ways, number of switched ways).
- Catalog number.
- Model number.
- Serial number.
- Date of manufacture.
- Maximum voltage.
- BIL (kV).
- Amps, continuous.
- Amps, load interrupting.
- KA Asymmetrical, momentary and fault close.
- Weight, in pounds.

The following labels will be provided as a minimum.

- Danger labels (in all compartments).
- Schematic diagram (in all compartments).
- Each bushing shall have a phase identification tag ("A", "B" or "C").
- Other warnings and instructional labels, as necessary.

Control Wiring

If specified, all control wiring in the control cabinet shall be clearly and legibly labeled as follows:

- Each wire shall have a minimum of two labels at each end.
- The label closest to the end of the wire shall indicate the terminal that wire is terminated to.
- The second label shall indicate the terminal the wire is terminated to on the opposite end.
- Additional labels can be added to indicate wire schedule assignment if necessary.

SWITCH OPERATION

If relay-controlled capability is specified, the switch shall be operable from the control cabinet without the need to enter the utility hole or vault that the switch is installed in.

The switch shall be operable manually, in case of failure of the control cabinet equipment.

One operating mechanism shall be provided per gang switch. The operating mechanism must operate all three phases simultaneously and must be tease proof and provide for quick-make, quick-break operation in either switching direction regardless of the speed of the operator. Position indicators shall clearly identify the "open" and "closed" positions of the contacts. The operating mechanism shall be padlockable in either position. The operating mechanism must be capable of delivering sufficient torque to assure load interrupting, fault closing and momentary ratings.

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QUALITY ASSURANCE

One hundred percent (100%) production testing shall include a contact resistance test and an AC one minute withstand test.

Certified test reports shall be furnished to demonstrate accurate compliance with all required production tests.

MISCELLANEOUS

Any exceptions taken to the specification shall be clearly indicated on the quotation.

An outline drawing of the switch shall be submitted with the quotation.

The manufacturer shall provide warranty information on the switch with the quotation.

Approval drawings shall be submitted prior to the fabrication of the switch. The submittal shall include all dimensions, weights, information on the switch and all associated equipment, changes from specifications and any accessories. The vendor shall allow two (2) weeks for approval drawing review by BED.

One hard copy and one electronic copy of instructions and checklists for the inspection, installation, operation, and maintenance of the switchgear shall be provided with the switch.

Elbows and bushing well inserts will be provided by the user.

SHIPMENT

The switch shall be shipped FOB destination.

BURLINGTON ELECTRIC DEPARTMENT
15 kV, 200/600 Amp, Submersible Switch Data Sheet

Vendor: _____ Quotation Date: _____
Switch manufacturer: _____ Type of switch: _____ Way, _____ Switched
Catalog number: _____ Model number: _____
Interrupting medium: _____ Insulating medium: _____
Weight, in pounds: _____

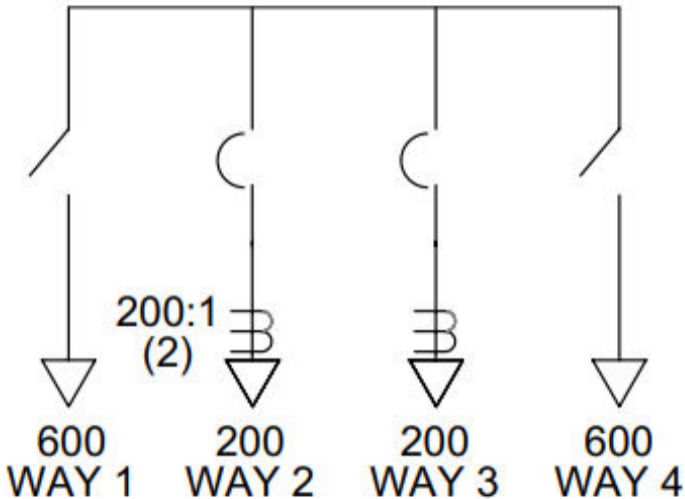
Dimensions (In inches)

Length: _____ Width: _____ Height: _____

Electrical Ratings

One Minute AC Withstand: _____ kV
Open Gap B.I.L. Flashover Withstand: _____ kV
Load Interrupting and Loop Switching: _____ Amps
Asymmetrical Momentary and 3 Operation Fault Close: _____ Amps
Symmetrical One Second Current: _____ Amps
Operations - Load Interrupting Endurance: _____ Operations
Mechanical Life - Operations: _____ Operations
Maximum Switch Operating (Open / close) Time: _____ Seconds or Cycles
(Total time to operate a switch equipped with an electrical operator = the total time for the electrical operator to operate + the total time for the switch to extinguish the arc.)

Exceptions to specifications: _____



TERMS and CONDITIONS

1. These Terms and Conditions, together with the purchase order and/or contract issued by the Burlington Electric Department's (B.E.D.) Purchasing Office, constitute the entire agreement between B.E.D. and the supplier/contractor. Any modification to said agreement shall be submitted in writing by the party seeking said modification, to the other party. Said modification shall be agreed upon in writing by both parties in order for it to be enforceable. Absent said written modification, this form and said purchase order shall exclusively control the terms of the agreement between the parties.
2. Except as herein provided, no purchases ordered by unauthorized individuals shall be enforceable against B.E.D. Only individuals expressly designated as those vested with the authority to purchase on behalf of B.E.D. shall be considered persons possessing binding purchasing authority. Agreements entered into with unauthorized individuals shall be void and B.E.D. shall not be liable for any such unauthorized agreements.
3. Sellers, suppliers and contractors shall not assign, delegate, transfer, convey, sublet, or otherwise dispose of their rights, titles, interests or obligations under this contract, or their power to execute such contract to any other person, firm or corporation, without the previous written consent of B.E.D.'s Purchasing Office.
4. The parties to this agreement hereby agree that this contract is subject to the laws of the State of Vermont. The parties to this agreement further agree that Vermont's version of the Uniform Commercial Code, found in Title 9A of Vermont Statutes Annotated, shall apply.
5. B.E.D. may return any materials which are defective, unsatisfactory, or of inferior quality or workmanship, or fail to meet specifications or other requirements of this order.
6. B.E.D. reserves the right to cancel this order if goods are not shipped as directed. B.E.D. reserves the right to terminate its obligations under this order or any part hereof if any delivery/awarded service is not made in the time provided or, if no time is specified, within a reasonable time or if the material that is delivered/service provided is not as specified.
7. Seller shall ship in accordance with any instructions from B.E.D. and the requirements of common carriers to secure the lowest transportation costs. No shipments are to be made C.O.D., nor shall any such shipments be accepted. When goods or materials are shipped F.O.B. point of shipment, all freight charges are to be PREPAID by the Seller and added to the invoice total. An original copy of paid express or freight bill shall be attached to the invoice.
8. Seller shall furnish a packing slip with all shipments showing the purchase order number, seller name, catalog numbers, quantities (including back orders) and a full description of materials shipped.
9. Contractor shall furnish current Certificate of Insurance as outlined by B.E.D.'s Insurance Requirement Contractor's Order, a copy of which will be provided by B.E.D.'s Purchasing Office to the Seller. Such evidence of insurance shall be received at B.E.D. before the commencement of work, or Purchase Order and/or Contract is awarded, whichever is sooner, and such insurance shall be maintained throughout the duration of awarded contract. Seller shall be liable for any and/or all damages/claims (including but not limited to bodily/personal injury, property damage, loss of income, business interruption, or wrongful death), while performing or as a result of work assigned/related to the awarded contract.
10. The contractor shall be responsible for ensuring that all utilities are properly located, marked and identified through utilization of, and compliance with, the requirements of the "Dig Safe" program (30 V.S.A. §7001 et seq. and Vermont P.S.B. Rule 3.800). Contractor is responsible for working around existing utilities and agrees to indemnify and hold B.E.D. harmless for any damages to such utilities except for such damages whose sole proximate cause is due to negligence by B.E.D.
11. Seller shall follow all B.E.D. Safety Rules, a copy of which shall be provided, as well as follow good utility practices on details not covered in specification documents with preference given to B.E.D. Standard practices if suitable. Seller is responsible for following all applicable EPA/VOSHA/OSHA/NESC and NEC rules and regulations.
12. When the contract is awarded to provide services, the cost of service shall be a fixed fee or a time and material basis with a Not To Exceed amount. Expenses shall be billed at cost unless otherwise specified on the awarded contract. Seller shall furnish an invoice detailing Purchase Order number, scope of work, mileage and other expenses. If the contract is awarded on a time and material basis, the invoice shall also include dates worked, name of personnel, number of labor hours worked (traveled if chargeable), rate per hour and total labor, equipment rental hours and rates and materials. Seller shall be responsible to obtain all necessary permits and copies shall be furnished with each invoice. Seller shall also furnish documentation of all reimbursable expenses with each invoice.
13. Unless otherwise specified, payments shall be made on partial deliveries accepted by B.E.D. when the amount due on such deliveries so warrants. Progressive billing for services rendered shall be accepted unless fixed fee is quoted. Where there is a question of non-performance involved, payment in whole or part against which to charge back any adjustment required, shall be withheld. In the event cash discount is involved, the withholding of payment as provided herein shall not deprive B.E.D. from taking such discount.
14. In accordance with city regulations, invoices for completed purchase orders must be received by B.E.D.'s Accounts Payable by the 27th of each month to assure payment by approximately the 15th of the following month. Invoices received after that date shall be carried forward to the following month.
15. **All invoices shall be mailed to the ATTENTION of B.E.D.'s Accounts Payable.** Inquiries regarding the status of unpaid invoices shall likewise be directed to B.E.D.'s Accounts Payable.