



ISC-2023-031

INVITATION FOR SEALED CANVASS

October 13, 2023

Sealed Bids/Proposals/Quotations for the Supply and Delivery of the following item for QUEZELCO 1 shall be received by the Bids and Awards Committee until 5:00PM of October 18, 2023. The bids/proposals/quotations will be opened on October 19, 2023 at 9:00AM.

Quantity	Unit	Item Description	Unit Cost (Php)	Total Amount (Php)
4	units	Single Phase Cut-Out Mounted Recloser		
GRAND TOTAL				

Instruction to Bidder and Terms of Condition:

The following shall be included in the offer:

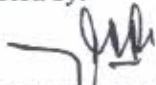
1. Warranty statement. The bidder obligates, guarantees and warrants that the items to be delivered is within the standards and specification set by the cooperative. Warranty shall be at least 1 year. Longer warranty period will be considered in the evaluation.
2. Brochure or any document showing the technical specifications of the materials offered.
3. Authorization from the manufacturer to Supply the goods valid for the current year.
4. The materials offered shall comply with the required specification (See attached)
5. Delivery period shall be within fifteen (15) calendar days after receipt of Notice to Proceed.
6. The financial offer shall be listed on the space provided above.
7. The financial offer shall not exceed the total Approved Budget Cost of **Php 1,354,000.00**
8. The ABC is VAT inclusive and the bid price should be VAT inclusive.
9. Term of payment – 90 calendar days upon complete delivery.
10. Term of Delivery – FOB Pitogo.
11. Performance Bond of 5% of contracted price shall be posted within 5 days upon receipt of notice of award.
12. Price validity - 60 calendar days
13. Penalty Clause – 1/10 of 1% (0.1%) of the cost of the unperformed portion of the contract for every day of delay)

Additional Instructions:

1. Please send your quotations addressed to "The Bids and Awards Committee thru email using the designated BAC email address quezelco1_bac@yahoo.com.ph.
2. The subject shall bear the word "**Bids for the Supply and Delivery of Single Phase Cut-Out Mounted Recloser for San Andres, Quezon**"
3. The quotation shall be password protected. Password shall be sent on the day of opening (8:00 am).
 QUEZELCO 1 reserves the right to reject any or all bids without offering any reason, waive any defect therein and accept the offer most advantageous to the cooperative.

For further inquiries you may contact our QUEZELCO 1 BAC Secretariat, Ms. Maria Teresa Caraig and Ms. LovelyJean Baldoz with mobile numbers 09688520659.

Noted by:



VICTOR B. CADA
 Acting General Manager



GERALD P. BAUTISTA
 BAC – Chairman

1.0 GENERAL SPECIFICATION FOR SINGLE PHASE RECLOSER

- 1.1 The single-phase fault interrupting recloser shall conform to the following specification.
- 1.2 The device shall be an outdoor, single-pole, self-powered, recloser incorporating a vacuum fault interrupter, a microprocessor control, an integral data transceiver, and an integral fault-current sensor.
- 1.3 The recloser can be supplied complete with a porcelain or polymer cutout mounting, or it can be ordered separate for retrofit into an existing S&C cutout mounting.
- 1.4 The device shall be laser-etched with voltage and current ratings, a catalog number, and a serial number.
- 1.5 The manufacturer shall have a minimum of 10 years' experience in the production of distribution automation and protection equipment.
- 1.6 The warranty of the device shall be 2 years from the date of shipment.

2.0 60 Hertz Ratings

- 2.1 The voltage and ampere ratings of the recloser shall be as follows (select the appropriate row from the following table):

System Class	kV			Amperes, RMS	
	Nominal	Max	BIL	Continuous Current	Interrupting, Sym.
15	15	15.5	110	100	6300

3.0 Operation

- 3.1 The recloser shall have up to three reclosing operations (four trip operations total) before dropping open. Each operation shall be configurable to any of the curve choices described in Section 3.4.
- 3.2 The fault interrupter shall provide an interrupting time of 0.03 seconds when experiencing a fault while closed and carrying current. It shall not rely on an external fuse or fault clearing device to achieve fault clearing.
- 3.3 The 100-A recloser shall have a minimum trip current of 5 amperes.
- 3.4 The device shall be configurable with a comprehensive selection of fuse and recloser curves, including the K, T, QR, KS, NE, and NK fuse curves; the Cooper Form 4, 5, 6, and FX curves; the SEL, ABB, IEC, and IEEE single-phase

recloser curves; and the H, 4H, V4H, L, V4L, V4E, E, and 4E hydraulic recloser curves.

- 3.5 The recloser should “drop-out” and reset at the end of its operating sequence when the line fault is permanent, creating a visible indication of operation and an open gap while remaining supported in the cutout mounting.
- 3.6 The recloser shall have a Non-Reclose mode that will operate on a user-configurable curve. This Non-Reclose mode shall also have user-configurable curves available for cold wakeup and post-fault wakeup. Placing the device in Non-Reclose mode shall be readily accomplished by moving an actuating lever with a hotstick or by setting it remotely using a SCADA command when configured with a communications gateway.
- 3.7 When closing the interrupter with the Mode-Selector lever in the Auto (reclose) position, the recloser shall function temporarily in the Non-Reclose mode for the first 10 cycles. If a fault is present within the first 10 cycles after closing, the recloser will trip and drop open.
- 3.8 The device shall be capable of operating similar to a sectionalizer, where it operates automatically for faults above its 6300-A (symmetrical) rating. The recloser shall have user-configurable sectionalizing mode settings ranging from 6 A to 6500 A.
- 3.9 The recloser shall have an inrush restraint feature that is always enabled. This feature prevents nuisance tripping of the recloser caused by 2nd harmonic current when being closed into the mounting.
- 3.10 The recloser shall be capable of being opened under load with a loadbreak tool.
- 3.11 The recloser shall have a Local-Manual Open feature to allow the operator to locally initiate an Open/Drop Open operation without using a loadbreak tool. This feature shall be enabled or disabled by the user.
- 3.12 When the device reaches 10% of its remaining vacuum-interrupter contact wear, an indicator will appear on the LCD screen. When the device’s vacuum interrupter is no longer capable of interrupting a fault, it will drop open and will not reset.
- 3.13 The device shall be able to be put through a functional

test simulating temporary or permanent faults when connected to the configuration software with no current through its vacuum interrupter

4.0 Event Logs

- 4.1 The device shall keep track of the following historical counts in its event log:
- (1) Number of Forced Interrupter Closes
 - (2) Number of Interrupter Open Operations due to Overcurrent
 - (3) Total Number of Interrupter Open Operations
 - (4) Number of Drop-Opens due to Overcurrent
 - (5) Number of Drop-Opens due to Overload
 - (6) Number of Drop-Opens due to Sectionalizing
 - (7) Number of Drop Opens due to Local Manual Open
 - (8) Number of Drop Opens due to Gang Operation
 - (9) Total number of Drop-Opens
- 4.2 The device shall store the following data for trip events:
- (1) Event Name
 - (2) Date
 - (3) Time
 - (4) Fault Duration, ms
 - (5) Fault Current, A

5.0 Mechanical and Electrical Performance

- 5.1 The recloser shall have been tested and rated for at least 2,000 mechanical Close/Open operations.
- 5.2 The recloser shall have been tested and rated for 300 operations at 100% of the recloser's interrupting rating for 4-kA units and 400 operations at 100% of the recloser's interrupting rating for 6.3-kA units.
- 5.3 The recloser shall require no regular maintenance.
- 5.4 The device shall be suitable for application in an ambient temperature range of -40°C (-40°F) to $+40^{\circ}\text{C}$ (104°F).
- 5.5 The recloser shall be capable of dropping open under $\frac{3}{4}$ -inch (19-mm) ice formation. An ice shield shall not be required to attain this capability.

6.0 Construction and Communication

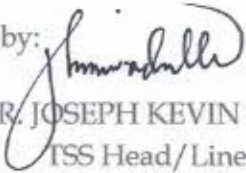
- 6.1 The device shall have a non-volatile LCD screen showing contact positions and Auto/ Non-Reclose status as well as other user-defined information. At minimum, the user-defined information shall include an Operation counter, the life remaining for the unit, the contact position, the Auto/Non-Reclose position, the load current, the software version, and the last fault current. The LCD screen shall be persistent and shall not require power to maintain display of the last displayed screen.
- 6.2 The device shall be constructed of UV-resistant polycarbonate with fiberglass reinforcement, and it shall have passed the accelerated UV-exposure test. This housing shall be watertight, allowing the recloser to be left in the dropped-open position for an extended period of time.
- 6.3 Control power shall be derived from an integral current transformer.
- 6.4 The recloser shall have an integral transceiver allowing communication directly between the recloser and a laptop using a configuration kit.
- 6.5 The device shall have integral current sensing accurate over the operating range of the unit.
- 6.6 It shall be possible to download setpoint files or snapshot files containing complete settings information from the unit. It shall be possible to upload setpoint files to the recloser.

7.0 Design Tests and Standards Compliance

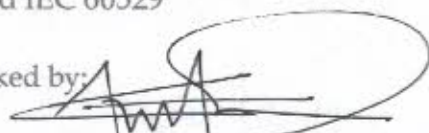
- 7.1 The device shall comply with IEEE Standards C37.60-2012 and C37.41-2008 and IEC Standard 62271-111.
- 7.2 The device shall be manufactured in accordance with a quality system certified to ISO 9001:2000.
- 7.3 Fault-Interrupting Duty: IEEE C37.60-2013/IEC 62271-111
- 7.4 Lightning Impulse and 60-Hz Withstand: IEC 62271-111/IEEE C37.60
- 7.5 Surge Withstand: IEC 62271-111/IEEE C37.60
- 7.6 Temperature-Rise: IEC 62271-111/IEEE C37.60
- 7.7 Mechanical Endurance: IEC 62271-111/IEEE C37.60
- 7.8 Ice Loading: IEC 62271-111/IEEE C37.60

7.9 IP65 Certification: IEC 60529 and IEC 60529

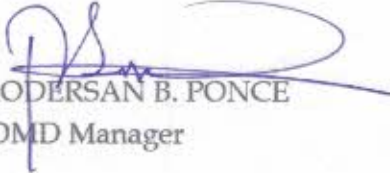
Prepared by:


ENGR. JOSEPH KEVIN M. RIVADULLA
TSS Head/Line Engineer

Checked by:


ENGR. KENNETH RIM A. IMPERIO
TSSO Supervisor

Noted by:


ENGR. RODERSAN B. PONCE
OMD Manager

QUEZON I ELECTRIC COOPERATIVE, INC.

Brgy. Poptol, Pitogo, Quezon

Accreditation Requirements

Name of Company/Supplier/Representative: _____

Address: _____

Contact Number : _____

EMAIL ADD: _____

DOCUMENTS	
1	DTI Registration name registration or SEC Registration Certificate
2	Valid and current Mayor's Permit/Municipal License
3	Taxpayer's Identification Number,
4	BIR Value Added Tax Registration
5	Certification that the bidder is not "blacklisted" or banned from bidding by the government or any of its agencies, officers, corporation or LGU's and other private corporations or electric cooperatives
6	Compliance with EO # 398
	a.) Proof of VAT Payments for the past six months
	b.) Tax Clearance for the last two quarters
7	On-going, completed or awarded contract not yet started within the relevant period specifying the following:
	a. Name of contract
	b. Date of contract
	c. Amount of the contract and value of outstanding contracts
	d. Date of delivery
	e. End user's acceptance if completed
8	Company Profile
9	Latest Income Tax Return
10	Complete set of Audited Financial Statements, stamped "received" by the BIR or its duly accredited and authorized institutions, for the immediately preceding calendar year, showing, among others, the prospective bidder's total and current assets and liabilities
11	Articles of Incorporation, Partnership or Cooperation, whichever is applicable
12	A certification under oath from the bidders responsible officers that the bidders is free and clear of all liabilities with the government
13	Valid Registration with Philippine Contractor Accreditation Board (PCAB) with specialization in electrical works and with at least small B size range Classification (C and D category)- for contractor only

Email Address:

quezelco1_bac@yahoo.com.ph