



ISC-2023-039-A

SECOND INVITATION FOR SEALED CANVASS

December 28, 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 January 03, 2024 . The bids/proposals/quotations will be open on January 04, 2024 at 9:00AM.

Quantity	Unit	Item Description	Unit Cost (Php)	Total Amount (Php)
2	unit	Transformer 75kVa		
4	unit	Transformer 25kVa		
2	unit	Transformer 50kVa		
5	unit	Transformer 37.5kVa		
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 are within the standards and specifications set by the cooperative. Warranty shall be at least 2 years. Longer warranty period will be considered in the evaluation.
2. Brochure or any document showing the technical specifications of the materials offered.
3. International and Standards Organization (ISO) verification or ISO 9001 (For ISO Certified materials).
4. Authorization from the manufacturer to Supply the goods valid for the current year.
5. The materials offered shall comply with the required specifications (See attached material specifications)
6. Delivery period shall be within thirty (30) to sixty (60) calendar days after receipt of Notice to Proceed.
7. The financial offer shall be listed on the space provided above.
8. The financial offer shall not exceed the total Approved Budget Cost of **Php 1,923,000.00**
9. The ABC is VAT inclusive and the bid price should be VAT inclusive.
10. Term of payment – 90 calendar days upon complete delivery.
11. Term of Delivery – FOB Pitogo.
12. Performance Bond of 5% of contracted price shall be posted within 5 days upon receipt of notice of award.
13. Price validity - 60 calendar days
14. Penalty Clause – 1/10 of 1% (0.1%) of the cost of the unperformed portion of the contract for every day of delay)

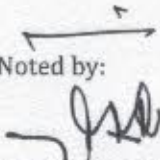
Additional Instructions:

1. Please send your quotations thru email using the designated BAC email address **quezelco1_bac@yahoo.com.ph** and shall be addressed to "The Bids and Awards Committee".
2. The subject shall bear the word "**Bids for the Supply and Delivery of Transformer for Private Use for the Month of November, 2023**"
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/or Ms. LovelyJean Baldoz at mobile number 09688520659.


GERALD P. BAUTISTA
 BAC – Chairman

Noted by:

VICTOR R. CADA
 Acting General Manager

QUEZON I ELECTRIC COOPERATIVE, INC.,
Poctol, Pitogo, Quezon

MATERIAL SPECIFICATION

TRANSFORMER:

- a. Brand New
- b. Conventional type
- c. With Tap Changer
- d. Amorphous Metal Core
- e. 7620/13200Y, 120/240V
- f. Pole Type
- g. Single Phase, 60Hz
- h. Sample of nameplate (drawing or picture)
- i. Copper-to-copper Winding indicated at the nameplate with certification from manufacturer.
- j. Transformer Oil (Non-pcb Oil) with certification from OIL manufacturer
- k. Transformer loss not more than NEA standard **with sample test result per kva rating.**
- m. Transformer tank cover bolted lock type(4-6 bolt)
- n. Audible Sound Level limit

kVA	Average Sound Level (Decibels)
50 and below	48
75 - 100	51
167 -250	55
333	56

Minimum Oil Content:

- 10 kVA 40 Liters
 - 15 kVA 50 Liters
 - 25 kVA 60 Liters
 - 37.5 kVA 75 Liters
 - 50 kVA 90 Liters
 - 75 kVA 105 Liters
 - 100 kVA 140 Liters
 - 167 kVA 200 Liters
- (with certification from Manufacturer)

- l. Transformer tank
 - Hot rolled steel, the tanks are MIG welded and possible leaks are tested using water immersion.
 - Metal is prepared by shot blasting and passes through a 7 stage cleaning and zinc phosphate bath.
 - Polyester powder coating** is electro-statically sprayed drying to a 3 mil-minimum film.

TRANSFORMER COPPER AND CORE LOSSES

RATING	CORE LOSSES	WINDING LOSSES	TOTAL LOSSES
KVA	Watts		
5	8	75	83
10	12	120	132
15	15	195	210
25	18	290	308
37.5	30	360	390
50	32	500	532
75	45	650	695
100	50	850	900
167	65	1410	1475

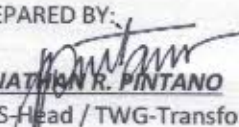
Based on NEA standard for Electric Cooperative transformer losses.

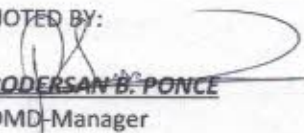
Minimum Transformer tank dimension

RATING	Width (mm)	Height H (mm)
10	420	740
15	440	770
25	480	830
37.5	530	870
50	550	960
75	650	1110
100	750	1150
167	800	1200

Note:
The height of transformer measured excluded the primary bushing.

Note: Transformer shall be accompanied by Confirming Statement of Warranty (minimum of 2 years)

PREPARED BY:

JONATHAN R. PINTANO
SMS-Head / TWG-Transformer

NOTED BY:

RODERSAN B. PONCE
OMD-Manager