



ILOILO 1 ELECTRIC COOPERATIVE INC.

(I L E C O - 1)

BRGY. NAMOCON, TIGBAUAN

ILOILO

INVITATION TO BID NO. 2024-017

“PURCHASE OF TREE WIRE FOR 2024”

1. Iloilo 1 Electric Cooperative Inc. (ILECO-1) through its Bids and Awards Committee (BAC), invites interested bidders to participate in the **Public Bidding** of the Project, **“Purchase of Tree Wire for 2024”** in accordance with the Republic Act (RA) 10531 and RA 9184 and its Revised Implementing Rules and Regulations. The ILECO 1, through the FY 2024 General Fund intends to apply the sum of **Six Million Four Hundred Twenty Thousand Pesos Only (Php 6,420,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for the Project. The period for the performance of the obligations under the Contract shall not go beyond the validity of the corresponding appropriations for the Project.

LOT NO.	ITEM NO.	QTY	UNIT	BRIEF DESCRIPTION	APPROVED BUDGET FOR THE CONTRACT (ABC) INCLUSIVE OF	NONREFUNDABLE FEE FOR BID DOCUMENTS	DELIVERY SCHEDULE/ COMPLETION SCHEDULE	SOURCE OF FUND
1	1	15,000	m	Conductor, Insulated, tree wire, #1/0 ACSR, 23kV	Php.6,420,000.00	Php 10,000.00	Full Delivery within 45 calendar days from receipt of Notice to Proceed (NTP).	General Fund
	2	15,000	m	Conductor, Insulated, tree wire, #4/0 ACSR, 15kV				

2. The ILECO-1 BAC shall conduct the meeting for Pre bid and opening of the Documents and Bid Offer at the given address and schedule below **Face-to-Face**. Authorized attendees, including representatives of bidders, must be physically present at the ILECO-1 Conference Hall, Brgy. Namocon Tigbauan Iloilo.

Availability of Bidding Documents	Pre-Bid Conference	Submission of Bid/Bid
December 10, 2024 to January 6, 2025 from Monday to Friday only from 8:00 A.M. to 5:00 P.M	December 17, 2024 at 1:30 P.M. (Tuesday)	January 6, 2025 at 1:30 P.M. (Monday)

3. The Prebid-Conference is on **December 17, 2024, 1:30 PM** at the ILECO-1 Main Office, Employees’ Hall, Brgy. Namocon Tigbauan Iloilo, which shall be open to prospective bidders.
4. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **1:30 PM of January 6, 2025. Late Bids shall not be accepted.**
5. Prospect bidders are required to attend the Pre-bid Conference.
6. All Bids must be accompanied by a Bid Security in any acceptable forms and in the amount stated in the Bidding Documents. The Submission and Opening of Bids will be on **January 6, 2025 (Monday), 1:30 PM at ILECO-1 Main Office, Employees’ Hall, Brgy. Namocon Tigbauan Iloilo.** Bids shall contain the Eligibility and Technical Documents, as well as the Financial Documents prescribed in the Bidding Documents which will be opened in the presence of the bidder’s representatives.

Unsealed or unmarked bid envelopes shall also be rejected. In addition, bid offers received in excess of the ABC shall likewise be automatically rejected.

7. Representatives from each bidder/company must submit their **notarized letter of Authorization (LOA)** during the Pre-bid conference and on Opening of Bids. Failure to comply the above-mentioned will automatically mean disqualification. Only those who have paid the Non-refundable fee in the amount specified above shall be allowed to participate in the discussion during the Prebid Conference and have their bid offers opened.
 8. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” Criterion.
 9. The Bidder must have an experience of having Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
 10. Suppliers/Contractors who intend to participate shall be immediately **disqualified under the following cases:** (a) suppliers/contractors whose contracts were previously **terminated** by ILECO 1 due to its failure to comply with its contractual obligation; (b) suppliers / contractors with (b.1) **ongoing or** (b.2) **un-finish projects or with at least** (b.3) **10% negative slippage** with ILECO 1; (c) suppliers/contractors with pending case filed with ILECO 1 and (d) contractors/suppliers which was previously **blacklisted** either by ILECO 1 or any government agencies, should be automatically disqualified from participating in any competitive public bidding to be or presently being undertaken by ILECO 1.
 11. Interested bidders may obtain further information from the ILECO-1-BAC Secretariat through the contact details given below.
 12. The ILECO-1 reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract as indicated in the National Electrification Administration (NEA) Revised Procurement Guidelines and Simplified Bidding Procedures for Electric Cooperatives IRR-RA 10531 (2017) and in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.
- The results of the bidding shall be submitted to the ILECO-I Head of Procuring Entity (HoPE) for final decision and awarding of BIDS. The decision of the HoPE shall be deemed final and executory.

13. For further information, please refer to:

ILECO-I BAC Secretariat

Iloilo I Electric Cooperative, Inc. (ILECO-I)

Namocon, Tigbauan, Iloilo

*Email Add: **bac@ileco1.org***

Mobile No.: 09686490413

ILECO-I Website: ileco1.com

P. Star – December 10, 2024

(sgd.) ENGR. GC JUNE N. GARANCON, PEE
BAC Chairperson

SPECIFICATION

Tree Wire Cable, 23kV ACSR/AW-TR/OC

- [1] PEC Chapter 3: Wiring Methods and Materials
 [2] IEC 60811: Common test methods for insulating and sheathing materials of electric cables and optical cables
 [3] IEC 60587(2007): Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion
 [4] ASTM G 154 (2006): Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
 [5] ES-6145-0021: Technical Standard of ACSR/AW-TR/OC for 23kV

Cross-sectional Area (mm ²)	Conductor			Nominal Conductor (mm)	Nominal Insulation Thick (mm)	Nominal Covering Thick (mm)	Overall Dia. (Approx). (mm)
	Construction		Outside Diameter (mm)				
	Al (mm)	St (mm)					
58	6/SB*	1/3.5	9.7	0.6	1.2	1.2	15.7
95	6/SB	1/3.5	12.0	0.6	1.4	1.5	19.0
160	18/SB	1/3.2	15.4	0.6	1.7	1.7	23.4
240	18/SB	1/4.0	18.9	0.6	1.7	1.7	27.0

Cross Sectional area (mm ²)	Max Conductor Resistance at 20 °C (Ω/km)	A.C. Break-down Voltage (kV)	A.C. Test Voltage (kV)	Breaking Load KN (kgf)	Weight (Approx.) (Kg/km)	Min. Insulation Resistance at 20 °C (MΩ/km)	Standard Length (m/reel)
58	0.484	60	25	18.62 (1,900)	360	1,500	600,1000**
95	0.302	60	25	23.13 (2,360)	560	1,500	600,1000
160	0.183	72	25	30.18 (3,080)	750	1,500	600,1000
240	0.123	72	25	44.10 (4,500)	1,040	1,500	600,1000

Tree Wire Cable, 15kV ACSR, 2-Layer, Non-Shielded, HDPE

- [1] XLPE inner coating and Track Resistant HDPE outer coating
 ASTM B231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
 [2] ASTM B232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR)
 [3] ASTM B399: Standard Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 and 6201-T83 Conductors
 [4] ICEA S-121-733 Tree wire and messenger supported spacer cable

2- Layer 15Kv ACSR Tree Wire

Size (AWG)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)		Cable O.D.	Rated Strenght (lbs)	Weight per 1000 ft. (lbs)
			Inner Layer	Outer Layer			
1/0	6/1	398	75	75	698	4161	255
2/0	6/1	447	75	75	747	5045	303
3/0	6/1	502	75	75	802	6289	362
4/0	6/1	563	75	75	863	7933	432