



## Request for Quote/Proposal (RFQ/RFP)

Commodity/Service Required:	Grid Interface Study for Distribution Utilities (DUs) in Luzon Economic Corridor (LEC)
Type of Procurement:	One-Off Purchase Agreement
Type of Contract:	Purchase Order
Term of Contract:	8 months
Contract Funding:	U.S. Department of State (DOS)
This Procurement supports:	Energy Secure Philippines Activity (ESP)
Submit Proposal to:	<b>Ms. Divina B. Chingcuanco</b> Chief of Party, ESP RTI International via email: <a href="mailto:jvitan@energysecure.ph">jvitan@energysecure.ph</a>
Date of Issue of RFP/Q:	June 29, 2026
Date Questions from Supplier Due:	July 8, 2026 5:00PM Philippine Standard Time
Date Proposal Due:	<b>Extended until July 24, 2026 5:00PM Philippine Standard Time</b> July 17, 2026
Approximate Date Purchase Order Issued to Successful Bidder(s):	On or before August 31, 2026
<b>Method of Submittal:</b>	
Email to <a href="mailto:jvitan@energysecure.ph">jvitan@energysecure.ph</a>	
Respond via e-mail with attached document in MS Word / pdf format. The Bidder/Seller agrees to hold the prices in its offer firm for <b>60 days</b> from the date specified for the receipt of offers, unless another time is specified in the addendum of the RFP/RFQ.	
Solicitation Number:	ESP-RFP-2026-043

### Attachments to RFP:

1. Attachment “A” – Commodity Specifications
2. Attachment “B” – Instructions to Bidders/Sellers
3. All PO Terms and Conditions are listed on our website at: [RTI-PO-Terms\\_English Version - v1.21.pdf](http://www.rti.org/files/PO_FAR_Clauses_Commercial_Items.pdf) or for commercial items: [http://www.rti.org/files/PO\\_FAR\\_Clauses\\_Commercial\\_Items.pdf](http://www.rti.org/files/PO_FAR_Clauses_Commercial_Items.pdf) (hereinafter the “Terms”).  
Supplier’s delivery of products, performance of services, or issuance of invoices in connection with this purchase order establishes Supplier’s agreement to the Terms. The Terms may only be modified in writing signed by both parties.

All bidders/sellers are responsible to carefully review each attachment and follow any instructions that may be relevant to this procurement.

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# Attachment “A” Commodity Specifications

## Statement of Work

### Description of Activity/Service:

Funded by the US Department of State (DOS), Energy Secure Philippines (ESP) is a multi-year Activity that focuses on advancing inclusive economic growth and resilient development through increasing private investment to promote advanced technology deployment and boost the energy sector’s resilience to shocks and stresses. During the past five years, ESP mobilized roughly \$34 billion in private investment that contributed 12 gigawatts in additional generation capacity.

ESP serves as a strategic platform for advancing America First Policy by aligning foreign assistance in the Philippine energy sector with U.S. geopolitical, economic, and national security priorities. Through technical assistance to government partners, including support for grid modernization under the Smart and Green Grid Plan (SGGP) and energy resilience planning, ESP helps position the United States as a key partner in shaping the Philippines’ energy transition and disaster preparedness agenda.

ESP also promotes the deployment of advanced and resilient energy technologies such as transmission system upgrades, mobile energy systems (MES) for strategic and underserved locations, and the integration of nuclear energy into the Philippine energy mix following the passage of the Philippine Atomic Energy Regulatory Act. These efforts help expand global markets for U.S. energy technologies, strengthen critical infrastructure, and contribute to securing supply chains and strategic resources. ESP catalyzes private sector investment and supports market-oriented reforms in the power sector. By improving the investment climate, enabling policy and regulatory reforms, as well as mobilizing significant private capital, ESP fosters competitive energy markets that create opportunities for U.S. companies and investors.

ESP supported the Philippine Department of Energy (DOE) in the development of the Smart and Green Grid Plan (SGGP), which is DOE’s long-term roadmap for modernizing the country’s transmission system to support a more reliable, resilient, secure, and future-ready power grid. Building on previous U.S. Government-supported studies that assessed grid reliability, resilience, renewable energy integration, and cybersecurity, this activity seeks to generate additional analytical and technical studies that will further strengthen transmission development planning and inform strategic investments in the power sector. The resulting analyses are expected to provide the DOE and the National Transmission Corporation (TransCo) with evidence-based recommendations to support implementation of the Philippine Energy Plan, enhance grid reliability, improve energy security, and strengthen the government’s capacity to guide the long-term development of critical transmission infrastructure.

The importance of this work is further underscored by the Luzon Economic Corridor (LEC), a

strategic initiative of the Governments of the Philippines and the United States aimed at accelerating economic growth through investments in critical infrastructure, logistics, advanced manufacturing, and digital connectivity across key growth centers in Luzon. As the corridor is expected to drive significant industrial and technological expansion, the availability of reliable and resilient energy infrastructure will be a critical enabler of its success. In particular, emerging investments in energy-intensive industries, including the proposed development of hyperscale data center facilities within the Pax Silica initiative, will require robust transmission planning and a clear understanding of future electricity demand and system capacity. Accordingly, this activity seeks technical support to generate the analyses necessary to inform grid development, strengthen infrastructure readiness, and support sustainable energy planning for future economic growth within the corridor.

This activity aims to determine if the existing Luzon Economic Corridor (LEC) distribution infrastructure (Distribution Utilities' or DUs' substations and feeders), transmission backbone, and generating capacity are adequate to reliably meet projected load growth. This activity is comprised of two distinct sections.

**Product or Service Expectations (both if applicable):**

There are two phases comprising this activity:

**Phase 1: Distribution Network Capacity Planning (DUs' Receiving Facilities Focus)**

This section focuses on the local grid segment: from high-voltage transmission lines down to the DUs' Substation \Feeder \Transformer. It seeks to determine if existing substations and feeders can handle projected peak loads. In addition, it aims to identify the optimal timing and type of upgrades (transformers, switchgear, feeder reinforcements) needed at the DUs' level. The tasks covered under this section are as follows:

- a) Demand Forecast Refinement
- b) Identification of feeder/transformer overloading areas, and
- c) Upgrade Plan Schedule: A prioritized list of required distribution assets (e.g., "Substation X requires a 20MVA transformer upgrade by Year Y").

**Key Deliverables & Outputs**

1. Technical Adequacy Report, A comprehensive written document detailing methodology, all assumptions, limitations, and quantitative findings. Detailed identification of bottlenecks on specific sub-transmission lines, feeders, and substations that will hit their thermal limit before 2035.
2. Gap Analysis Map: A visual overlay showing the gap between current capacity and projected demand for every major feeder/substation in the LEC, identifying every constraint point (thermal limits, voltage drops) across the LEC grid footprint.

3. Upgrade Plan Schedule: A prioritized list of required distribution assets (e.g., "Substation X requires a 20MVA transformer upgrade by Year Y"), priority-ranked on
  - Required Asset (Transformer, Line segment)
  - Minimum Capacity (MVA or kA).
  - Optimal Deployment Timing (Year/Phase).
4. Optimization Recommendations: Suggestions on load management, distributed generation integration points (where small, localized grids can reduce substation burden), and optimal feeder routing/reinforcement.
5. Executive Summary Deck: A high-level presentation, summarizing risks and recommending the top 3 most critical actions required to guarantee LEC reliability.

### **Phase 2: Grid Transmission & System Adequacy Planning (Grid Focus)**

This section takes the aggregated growth demands calculated in Phase (1) and use these as inputs to analyze system-wide constraints: the transmission backbone, and the balance between supply and demand from multiple sources. The specific tasks involved are as follows:

- a) Assess whether the projected aggregate load growth within the Luzon Economic Corridor (LEC) can be reliably served by the existing physical interface points between the transmission grid and the distribution networks within the LEC. The work will test system capability under multiple demand growth scenarios and determine grid generation adequacy under current national development plans, including the sufficiency of available capacity, reserves, and dispatch flexibility across baseline and stressed operating conditions.
- b) Undertake grid studies, consistent with SGGP methodologies, incorporating updated demand projections at primary interconnection points supplying key LEC backbone nodes. The scope shall include, at a minimum:
  - a. N-1 contingency analysis,
  - b. Thermal constraint evaluation of transmission elements, and
  - c. System inertia and stability assessment.
- c) Perform an identification and mapping of transmission bottlenecks on the LEC interface points, including specific high-voltage lines and substations projected to reach thermal or operational limits up to the 2035 planning horizon.

**Deliverables, Timelines, Special Terms and Conditions:**

**Key Deliverables & Outputs**

1. Technical Adequacy Report, A comprehensive written document detailing methodology, all assumptions, limitations, and quantitative findings.
2. Transmission Constraint Report: Detailed identification of bottlenecks on specific transmission lines and substations that will hit their thermal limit before ( specified year).
3. Visual Map Overlays: Maps identifying every constraint point (thermal limits, voltage drops) across the LEC grid footprint.
4. Upgrade Plan Schedule: A prioritized list of required transmission
  - Required Asset
  - Minimum Capacity (MVA or kA).
  - Optimal Deployment Timing (Year/Phase).
5. Executive Summary Deck: A high-level presentation, summarizing risks and recommending the top 3 most critical actions required to guarantee LEC reliability.

**Required Administrative Documents**

- Signed RFP document (page 5 and 11)
- Completed pricing table
- Geocode 937 Compliant/Registered Entity (Annex 1)

**Pricing**

Item #	Quantity to be Purchased	Description of Preferred Commodity or Services Specifications	Unit of Measure	Unit Fixed Price (Each)	Total Fixed Price (Each)	Lead Time Availability (Number of Days)
1						
2						
3						
<b>Total Value</b>						

By signing this attachment, the bidder confirms he has a complete understanding of the specifications and fully intends to deliver items that comply with the above listed specifications.

Signature:

Title:

Date:


## Attachment “B” Instructions to Bidders/Sellers

1. **Procurement Narrative Description:** The Buyer (RTI) intends to purchase commodities and/or services identified in Attachment A. The Buyer intends to purchase the quantities (for commodities) and/or services (based on deliverables identified in a Statement of Work). The term of the Ordering Agreement shall be from Award Date to the Delivery date of the Offeror unless extended by mutual agreement of the parties. The Buyer intends to award to a single “approved” supplier based on conformance to the listed specifications, the ability to service this contract, and selling price. We reserve the right to award to more than one bidder. If an Ordering Agreement is established as a result of this RFQ/RFP, supplier understands that quantities indicated in the specifications (Attachment A) are an estimate only and RTI does not guarantee the purchase quantity of any item listed.
2. **Procuring Activity:** This procurement will be made by **Research Triangle Institute (RTI International)**, located at

Manila, Philippines.

*(insert full address of the office)*

who has a purchase requirement in support of a project funded by

U.S. Department of State

*(insert client’s name)*

RTI shall award the initial quantities and/or services and any option quantities (if exercised by RTI) to Seller by a properly executed Purchase Order as set forth within the terms of this properly executed agreement.

3. **Proposal Requirements.** All Sellers will submit a quote/proposal which contains offers for all items and options included in this RFQ/RFP. All information presented in the Sellers quote/proposal will be considered during RTI’s evaluation. Failure to submit the information required in this RFQ/RFP may result in Seller’s offer being deemed non-responsive. Sellers are responsible for submitting offers, and any modifications, revisions, or withdrawals, so as to reach RTI’s office designated in the RFQ/RFP by the time and date specified in the RFQ/RFP. Any offer, modification, revision, or withdrawal of an offer received at the RTI office designated in the RFQ/RFP after the exact time specified for receipt of offers is “late” and may not be considered at the discretion of the RTI Procurement Officer. The Seller’s proposal shall include the following:
  - (a) The solicitation number:
  - (b) The date and time submitted:
  - (c) The name, address, and telephone number of the seller (bidder) and authorized signature of same:
  - (d) Validity period of Quote:

- (e) A technical description of the items being offered in sufficient detail to evaluate compliance with the requirements in the solicitation. This may include product literature, or other documents, if necessary.
  - (f) If RTI informs Seller that the Commodity is intended for export and the Commodity is not classified for export under Export Classification Control Number (ECCN) “EAR99” of the U.S. Department of Commerce Export Administration Regulations (EAR), then Seller must provide RTI the correct ECCN and the name of Seller’s representative responsible for Trade Compliance who can confirm the export classification.
  - (g) Lead Time Availability of the Commodity/Service.
  - (h) Terms of warranty describing what and how the warranties will be serviced.
  - (i) Special pricing instructions: Price and any discount terms or special requirements or terms (special note: pricing must include guaranteed firm fixed prices for items requested.)
  - (j) Payment address or instructions (if different from mailing address)
  - (k) Acknowledgment of solicitation amendments (if any)
  - (l) Past performance information, when included as an evaluation factor, to include recent and relevant contracts for the same or similar items and other references (including points of contact with telephone numbers, and other relevant information)
  - (m) **Special Note:** *The Seller, by his response to this RFQ/RFP and accompanying signatures, confirms that the terms and conditions associated with this RFQ/RFP document have been agreed to and all of its attachments have been carefully read and understood and all related questions answered.*
4. **Forms:** Sellers (potential bidders or suppliers) must record their pricing utilizing the format found on Attachment “A”. Sellers must sign the single hardcopy submitted and send to address listed on the cover page of this RFQ/RFP.
5. **Questions Concerning the Procurement.** All questions in regards to this RFQ/RFP to be directed to

**Jan Ranizen F. Vitan**, Procurement and Contracts Manager

*(insert name of procurement officer)*

at this email address:

[jvitan@energysecure.ph](mailto:jvitan@energysecure.ph)

*(insert email address of the procurement officer).*

The cut-off date for questions is *(insert date)*.

July 8, 2026 5:00PM Philippine Standard Time

6. **Notifications and Deliveries:** Time is of the essence for this procurement. Seller shall deliver the items or services no later than the dates set forth in the contract that will be agreed by both parties as a result of this RFQ/RFP. The Seller shall immediately contact the Buyer's Procurement Officer if the specifications, availability, or the delivery schedule(s) changes. Exceptional delays will result in financial penalties being imposed of Seller.
7. **Documentation:** The following documents will be required for payment for each item:
  - (a) A detailed invoice listing Purchase Order Number, Bank information with wiring instructions (when applicable)
  - (b) Packing List
  - (c) All relevant product/service documentation (manuals, warranty doc, certificate of analysis, etc.)
8. **Payment Terms:** Refer to RTI purchase order terms and conditions found in [https://www.rti.org/sites/default/files/rti-po-terms\\_v1.21.pdf](https://www.rti.org/sites/default/files/rti-po-terms_v1.21.pdf), [http://www.rti.org/files/PO\\_FAR\\_Clauses.pdf](http://www.rti.org/files/PO_FAR_Clauses.pdf), or [http://www.rti.org/files/PO\\_FAR\\_Clauses\\_Commercial\\_Items.pdf](http://www.rti.org/files/PO_FAR_Clauses_Commercial_Items.pdf). Payment can be made via wire transfer or other acceptable form. Sellers may propose alternative payment terms and they will be considered in the evaluation process.
9. **Alternative Proposals:** Sellers are permitted to offer "alternatives" should they not be able to meet the listed requirements. Any alternative proposals shall still satisfy the minimum requirements set forth in Attachment A Specifications.
10. **Inspection Process:** Each item shall be inspected prior to final acceptance of the item. All significant discrepancies, shortages, and/or faults must be satisfactorily corrected and satisfactorily documented prior to delivery and release of payment.
11. **Evaluation and Award Process:** The RTI Procurement Officer will award an agreement contract resulting from this solicitation to the responsible Seller (bidder) whose offer conforms to the RFQ/RFP will be most advantageous to RTI, price and other factors considered. The award will be made to the Seller representing the **best value** to the project and to RTI. For the purpose of this RFQ/RFP, price, delivery, technical and past performance are of equal importance for the purposes of evaluating, and selecting the "best value" awardee. RTI intends to evaluate offers and award an Agreement without discussions with Sellers. Therefore, the Seller's initial offer should contain the Seller's best terms from a price and technical standpoint. However, RTI reserves the right to conduct discussions if later determined by the RTI Procurement Officer to be necessary.

The evaluation factors will be comprised of the following criteria:

- (a) **PRICE.** Lowest/reasonable evaluated ceiling price (inclusive of option quantities).
- (b) **DELIVERY.** Seller provides the most advantageous delivery schedule.
- (c) **TECHNICAL.** Items/Services shall satisfy or exceed the specifications described in RFQ/RFP Attachment A.



(d) **PAST PERFORMANCE** - Seller can demonstrate his/her capability and resources to provide the items/services requested in this solicitation in a timely and responsive manner.

(e) **OTHER EVALUATION CRITERIA.**

N/A
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12. **Award Notice.** A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful supplier within the time acceptance specified in the offer, shall result in a binding contract without further action by either party.
13. **Validity of Offer.** This RFP in no way obligates RTI to make an award, nor does it commit RTI to pay any costs incurred by the Seller in the preparation and submission of a proposal or amendments to a proposal. Your proposal shall be considered valid for 60 days after submission.
14. **Representations and Certifications.** Winning suppliers under a US Federal Contract are required to complete and sign as part of your offer RTI Representations and Certifications for values over \$10,000.
15. **Certification.** The offeror, by signing its offer, hereby certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on its behalf in connection with the awarding of this contract.
16. **Anti- Kick Back Act of 1986.** Anti-Kickback Act of 1986 as referenced in FAR 52.203-7 is hereby incorporated into this Request for Proposal as a condition of acceptance. If you have reasonable grounds to believe that a violation, as described in Paragraph (b) of FAR 52.203-7 may have occurred, you should report this suspected violation to the RTI's Ethics Hotline at 1-877-212-7220 or by sending an e-mail to [ethics@rti.org](mailto:ethics@rti.org). You may report a suspected violation anonymously.
17. **The John S. McCain National Defense Authorization Act for fiscal year 2019 - section 889.** RTI cannot use any equipment or services from specific companies, or their subsidiaries and affiliates, including Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, and Dahua Technology Company ("Covered Technology"). In response to this request for proposal, please do not provide a quote which includes any Covered Technology. Any quote which includes Covered Technology will be deemed non-responsive. Additionally, if the United States Government is the source of funds for this RFP, the resulting Supplier shall not provide any equipment, system, or service that uses Covered Technology as a substantial or essential component



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**Acceptance:**

Seller agrees, as evidenced by signature below, that the seller's completed and signed solicitation, seller's proposal including all required submissions and the negotiated terms contained herein, constitute the entire agreement for the services described herein.

By: *(Seller Company Name)*

Signature: \_\_\_\_\_

Title:

Date:

# **Annex 1**

## **List of Geocode 937 compliant countries**

### List of Developing Countries

#### A Mandatory Reference for ADS Chapter 310

New Edition: 02/06/2012  
Responsible Office: GC  
File Name: 310maa\_020612

02/06/2012New Edition

Low income/lower middle income

Afghanistan	Gambia, The	Myanmar
Bangladesh	Guinea	Nepal
Benin	Guinea-Bissau	Niger
Burkina Faso	Haiti	Rwanda
Burundi	Kenya	Sierra Leone
Cambodia	Korea, Dem Rep.	Somalia
Central African Republic	Kyrgyz Republic	Tajikistan
Chad	Liberia	Tanzania
Comoros	Madagascar	Togo
Congo, Dem. Rep	Malawi	Uganda
Eritrea	Mali	Zimbabwe
Ethiopia	Mozambique	
Angola	India	São Tomé and Príncipe
Armenia	Iraq	Senegal
Belize	Kiribati	Solomon Islands
Bhutan	Kosovo	Sri Lanka
Bolivia	Lao PDR	Sudan
Cameroon	Lesotho	Swaziland
Cape Verde	Marshall Islands	Syrian Arab Republic
Congo, Rep.	Mauritania	Timor-Leste
Côte d'Ivoire	Micronesia, Fed. Sts.	Tonga
Djibouti	Moldova	Turkmenistan
Egypt, Arab Rep.	Mongolia	Tuvalu
El Salvador	Morocco	Ukraine
Fiji	Nicaragua	Uzbekistan
Georgia	Nigeria	Vanuatu
Ghana	Pakistan	Vietnam
Guatemala	Papua New Guinea	West Bank and Gaza
Guyana	Paraguay	Yemen, Rep.
Honduras	Philippines	Zambia
Indonesia	Samoa	

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