

Request for Quote/Proposal (RFQ/RFP)

Commodity/Service Required:	Consulting Firm for Special Areas of Concern for Nuclear Study
Type of Procurement:	Payment Milestone
Type of Contract:	Fixed Price
Term of Contract:	10 weeks
Contract Funding:	USAID
This Procurement supports:	USAID – Energy Secure Philippines Activity
Submit Proposal to:	Divina B. Chingcuanco Chief of Party, ESP RTI International jvitan@energysecure.ph
Date of Issue of RFP:	July 1, 2024
Date Questions from Supplier Due:	July 8, 2024 Send your questions to: jvitan@energysecure.ph
Date Proposal Due:	July 15, 2024 (Manila
Approximate Date Purchase Order Issued to Successful Bidder(s):	July 16-19, 2024

Method of Submittal:	
Email to: jvitan@energysecure.ph	
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 90 days from the date specified for the receipt of offers, unless another time is specified in the addendum of the RFP/RFQ.	
Solicitation Number:	ESP-RFQ_P-2024-151

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 forth at:
<https://www.rti.org/sites/default/files/rti-purchase-order-terms-and-conditions-v1.16.pdf>,
http://www.rti.org/files/PO_FAR_Clauses.pdf or for commercial items:
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.



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

Attachment A

Commodity Specifications or Statement of Work

Statement of Work

Indicate a description of the activity/service that is expected from the supplier. Provide product specifications or service expectations (both if applicable). Include deliverables, timelines, and any special terms and conditions.

Description of Activity/Service:

The proposed study seeks to focus on the impact and viability of the aspirational targets for nuclear energy in the Philippine's overall energy mix under the Philippine Energy Plan 2023 – 2050 (1,200 MW by 2032, 1,200 MW by 2035, and 2,400 MW by 2040 and beyond). Emphasis will be on the pathways for economic viability, financing, and funding models for private sector to invest in a new nuclear power plant. Moreover, the impact and/or requirements government can provide to enhance the economic viability, financing, and funding of new nuclear power plant projects.

Product or Service Expectations (both if applicable):

By the end of the project, the group of experts is expected to produce a A) Study with Economic/Financing Models which comprises the following:

1. Policy and regulatory framework evaluation
 - Formulation of recommendations to update relevant legislations and regulations in relation to enhancing the economic and financial viability of new nuclear power plant projects;
 - Formulation of financing models for new power plant projects taking into consideration existing laws and recommendation for possible amendments to the same to enhance the model;
 - Formulation of funding schemes and possible grants/incentives for the development of industries within the nuclear energy supply chain.
2. Funding and financing with risk mitigation for private sector
 - Recommendation on the possible sources of financing of private sector and required government support (i.e. guarantees and incentives) to facilitate the various funding mechanisms from domestic and international sources given the long gestation period of new nuclear power plant projects and the long lifespan of said power plants once in operation.
3. Economic viability
 - Determination of technology valuation metrics for nuclear energy relative to existing energy sources in the country. This includes, but not limited to, Levelized Cost of Electricity (LCOE), System LCOE and/or Levelized Avoided Cost of Electricity.

- Incorporate the avoided cost of carbon and the risk-adjusted integration cost into the technology valuation metric(s) for nuclear energy and other energy sources that are in the current mix.
- Determination of the potential effect and/or impact of the aspirational targets for nuclear power electricity retail price, GHG emission, investments, employment, inequality including sensitivity analysis (no nuclear power plant deployed, half of the targets achieved, all of the targets achieved, additional power plant deployments at additional increments of 5%, 10%, 15% and 20%)

Deliverables, Timelines, Special Terms and Conditions:

It is assumed that the project team will consist of highly qualified experts who have the knowledge and experience and with particular interest in nuclear technology, power sector in general, and nuclear regulatory compliance.

It is expected that international experts who will be engaged to augment local technical capacity during the conduct of the study.

Qualification Requirements for Team Composition

Team Leader: Project Management Specialist

- The Team Leader should have PhD degree in Economics, Engineering, Physics or related technical discipline with at least 10 years of related experience on project management on topics related to nuclear technology or power sector. It is preferable that the Team Leader has professional experience working with key stakeholders in the Philippine power sector.
- The task of the Team Leader shall include, but not limited to, the following:
 - Prepare a workplan for the conduct of the study.
 - Integrate the reports of the individual team members
 - Supervise and coordinate all activities of the expert team.
 - Perform a review of literature on nuclear power, which involves a discussion on other countries' experience in nuclear power, issues, and challenges, and listing of key stakeholders that should be included in potential multistakeholder consultation, among others. Specifically, the task involves a review of literature on:
 - The avoided cost of carbon and the risk-adjusted integration cost.
 - Potential impact on electricity retail prices
 - Levelized Cost of Electricity (LCOE)
 - Levelized Avoided Cost of Electricity.
 - Potential effect of nuclear power integration on electricity retail price and GHG emission
 - Determine technology valuation metrics for nuclear energy relative to existing energy sources in the country. These include, but not limited to, LCOE, System LCOE and/or Levelized Avoided Cost of Electricity.

- Working with the Risk Analysis Expert/Nuclear Energy Specialist, incorporate the avoided cost of carbon and the risk-adjusted integration cost¹ into the technology valuation metric(s) for nuclear energy and other energy sources that are in the current mix; and determine potential impact on electricity retail prices.
- Submit a report containing the results of the analysis.
- Attend and participate in meetings, presentations, and policy dialogues in consultation with NEDA and UNDP.
- Simulate the socio-economic impact of changes in electricity prices associated with the potential incorporation of nuclear power in the energy mix.
- Submit a report containing the results of the analysis.
- Attend and participate in meetings, presentations, and policy dialogues in consultation with the Team Leader.

Energy Regulatory Framework Specialist (Policy and Regulation Framework Evaluation)

- The Regulatory Specialist should have a PhD degree in Engineering, Economics, or any related field with at least 5 years of professional experience. Professional experience on power regulations is highly desirable. Knowledge of the safety guidelines issued by the International Atomic Energy Agency is required.
- The task of the Energy Regulatory Framework Specialist shall include, but not limited to, the following:
 - Perform a review of literature on nuclear power, which involves a discussion on other countries' experience in nuclear power, issues, and challenges, and listing of key stakeholders that should be included in potential multi-stakeholder consultation, among others. Specifically, the task involves:
 - A review of literature on relevant legislations, legal framework and regulations, including those in other countries
 - Nuclear energy program funding and financing
 - Nuclear energy power plant project financing schemes and grants/incentives
 - Analysis of policy and regulatory environment surrounding nuclear technology in the Philippines. This involves determining key government institutions and their commitment/responsibility in relation to the power industry in the Philippines.
 - Formulation of recommendations to update relevant legislations and regulations.
 - Formulation of financing options for the Nuclear Energy Program with consideration to existing laws. The framework shall include funding and possible grant of incentives for the development of industries within the nuclear energy supply chain.
 - Attend and participate in meetings, presentations, and policy dialogues in consultation with the Team Leader.

¹ See, for example, [Park et al. \(2021\)](#), [Villone \(2019\)](#) and [Heuberger \(2017\)](#) for case studies employing these methods.

Risk Analysis Expert

- The Risk Analysis Expert should have a PhD degree in Geology, Nuclear Physics or any related field with at least 7 years of professional experience working on disaster risk analysis and/r feasibility studies of a relevant nature.
- The task of the Risk Analysis Expert shall include, but not limited to, the following:
 - o Perform a review of literature on nuclear power, which involves a discussion on other countries' experience in nuclear power, issues, and challenges, and listing of key stakeholders that should be included in potential multistakeholder consultation, among others. Specifically, the task involves a review of literature on:
 - The potential role nuclear power in the overall socio-economic and environmental development plans of the country.
 - Technology valuation metrics used in comparing different technologies and energy investments.
 - Country-level experience on incorporating nuclear power in the overall energy mix
 - Risks and challenges in nuclear power/ nuclear technology
 - o Perform hazard/risk assessments of nuclear Installations and/or nuclear technology deployment in select pre-identified sites.
 - o Working with Team Leader, incorporate identified risks into the technology valuation metric.
 - o Submit a report containing the results of the analysis.
 - o Attend and participate in meetings, presentations, and policy dialogues in consultation with the Team Leader.

Economic Specialist 2 (Private sector involvement)

- The Economic Specialist 2 should have a PhD degree in Economics or any related field with at least 5 years of professional experience working on development issues.
- The task of the Economic Specialist (2) shall include, but not limited to, the following:
 - o Analyze the role of the private sector in incorporating nuclear power in the energy mix of the Philippines.
 - o Submit a report containing the results of the analysis.
 - o Attend and participate in meetings, presentations, and policy dialogues in consultation with the Team Leader.

Project Facilitator/Associate

- The Project Facilitator should have at least a bachelor's degree in Economics, Engineering, Business Administration or any related field with at least 2 years of work experience.
- Under the general supervision and guidance of the Team Leader, the task of the Project Facilitator shall include, but not limited to, the following:
 - o Perform a review of literature on nuclear power, which involves a discussion on other countries' experience in nuclear power, issues, and challenges
 - o Assist the Team Leader in integrating reports from different team members.
 - o Assistance to facilitate and monitor project activities.

- Assistance in drafting progress reports, supervise work of consultants for project activities
- Monitor overall progress on achievement of results, based on the indicators.
- Provide project management, coordination, and implementation reports
- Record-keeping of all project documents
- Assistance to report launching, publications, and other knowledge products (e.g., blogs, etc)

All team members are required to submit inception report/workplan, progress reports, draft report and a final report containing the results of their respective analysis. They are also expected to attend and participate in meetings, presentations, and policy dialogues in consultation with the team leader.

Timelines and Deliverables and Budget

A detailed workplan shall be submitted by the Team Leader to the USAID ESP for review, copy furnish DOE for monitoring purposes, within 5 working days from the date of commencement as indicated in the contract.

The deliverables for the study are enumerated below. Electronic copies shall be submitted to DOE and USAID ESP.

Timetable: 10 weeks upon award of contract

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 for delivery after the contract is signed)
1						
2						
3						
		VAT Tax				
Total Value						

Additional Information for Delivery Schedule:

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.



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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

RTI International c/o USAID Energy Secure Philippines Activity
Unit 1409&1410, One Park Drive, 9th Ave. cor 11th Drive, BGC, Taguig City

(insert full address of the office)

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

USAID Philippines

(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:

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- (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, Grants and Procurement Analyst

(insert name of procurement officer)

at this email address:

jvitan@energysecure.ph

(insert email address of the procurement officer).

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

July 8, 2024

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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-purchase-order-terms-and-conditions-v1.16.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 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**.

Warranty and Payment Terms

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 90 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. **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. You may report a suspected violation anonymously.
16. **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

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: