

Consultant: ESP Activity**Position Title: Power Systems Engineer Consultant****Location:** ESP Activity Philippine Office**Overview**

Energy Secure Philippines (ESP) is a multi-year program funded by the US Department of State. It aims to assist the Government of the Philippines (GPH) in promoting a more competitive power sector through investment mobilization, deployment of modern energy technologies, and support in policy reforms and regulation. Implemented by RTI International, ESP's overall goal is to enhance energy security and reliability in the Philippines. It focuses on advancing inclusive economic growth and resilient development through increased private investment, promoting advanced technology deployment, and boosting the energy sector's resiliency.

On January 20, 2025, the US Government issued Executive Order 14169 designed to revisit and realign the country's foreign assistance. Viewed through this lens, the America First policy frames U.S aid primarily as a tool to advance direct American interests and emphasizes strict alignment of assistance with U.S. national security, economic, and strategic priorities; a preference for measurable returns that make America safer, stronger, or more prosperous. Under this approach, foreign assistance is scrutinized for cost-effectiveness and political alignment, often favoring trade, investment, private-sector solutions, and cost-sharing, while reducing or restructuring programs seen as inefficient, dependency-creating, or insufficiently tied to U.S. interests.

Scope of Work

The Contractor will support ESP's Chief of Party and selected key personnel in advancing activities that build on the partnership between the U.S. government and the Philippine Department of Energy to enhance grid energy resilience through the deployment of mobile energy systems. In addition, he will contribute to the implementation of potential microgrid projects at all sites governed under the Enhanced Defense Cooperation Agreement (EDCA) and other partner local government units.

Key Responsibilities

The Consultant's key responsibilities are as follows:

- Support the conceptualization of a deployment plan for 10 units of mobile energy systems.
- Contribute technical advice for the assessment of intended locations for 10 units of MES across identified sites.
- Support the team in the inspection of selected sites, which inform site assessment reports.
- Support the review of technical specifications and the integration of pre-selected designs for the next-generation MES units, and recommend improvements, if any.
- Work on power systems engineering for the deployment of resilient energy systems in critical regions, with a focus on microgrids.
- Assist in providing technical advice to ensure the procurement and implementation of mobile power systems for government partners and adjacent civilian communities.
- Oversee activities related to project footprint and location suitability analyses, assess constructability and implementation considerations, and review project schedules and completion estimates to ensure alignment with project objectives.

- Contribute and provide support in analytical and technical studies that assess, among others: (1) grid reliability, resilience, renewable energy integration, and infrastructure requirements to support the Luzon Economic Corridor and the implementation of the Philippine Energy Plan, to enhance grid reliability, improve energy security, and strengthen the government's capacity to guide the long-term development of critical transmission infrastructure, including grid interface and ancillary services; and (2) energy requirements and solutions for local communities.
- Act as technical backstop to subcontractors and consultants engaged in the foregoing activities, including participation in site visits, field validation, infrastructure assessments, and stakeholder consultations.

Level of Effort:

Anticipated level of effort is up to 60 LOEs for the period of performance. The Contractor is expected to be flexible and sustain collaboration with ESP Activity during this time.

Period of Performance:

September 21, 2026 to April 15, 2027

Minimum Required Education & Experience

- Bachelor's or Master's Degree in Electrical Engineering or other related major, including experience in electrical power generating equipment and control systems.
- Minimum of three (3) years of experience directly related to the duties and responsibilities described above.
- Solid project engineering/management background.
- Professional certifications or licenses required.
- Excellent oral and written communication skills.
- Knowledge of the Philippine Grid Code
- Good understanding of the Philippine electricity market, including supply, transmission, distribution interconnection, and electricity spot market trading.
- Previous hands-on experience with power purchase agreement structures, including terms and conditions.
- Familiarity with industrial power systems models and software.
- Familiarity with distributed energy resources, micro grid, energy storage, preferred but not required.

Application Deadline

All applications are due by September 05, 2026, at 5:00 PM Philippines Standard Time.