

# Terms of Reference

**Position:** Renewable Energy Specialist

**Reports to:** Infrastructure Domain Coordinator

**Location:** Phnom Penh, with possible travels to provinces

**Period of Assignment:** August 2024 – July 2025

**Employment type:** Full-time, Consultant Contract

**Contractual arrangement:** “Eligible for Cambodian residents/citizens only”

## Program Background

The CAPRED Facility is Australia’s flagship bilateral economic development program in Cambodia, focusing on economic recovery and resilience over the next four years, with a possible three-year extension.

The Facility supports Cambodia in implementing a range of necessary economic interventions and reforms to maintain the country’s economic transition. These interventions and reforms are primarily aimed at encouraging more productive and inclusive public and private investment, which promotes resilient, inclusive, and sustainable growth (RISE).

CAPRED interventions fall under three technical components including: Agriculture and Agro-processing; Trade, Investment and Enterprise Development and Infrastructure Development; and one Cross-Cutting component comprising: Gender Equality, Disability and Social Inclusion (GEDSI); Climate Resilient initiatives, and policy support. GEDSI is at the heart of all that CAPRED does.

## Position Summary

Renewable Energy Specialist will play a key role in the organisation’s support to the Royal Government of Cambodia (RGC) on its transition towards sustainable energy solution. The specialist will provide engineering expertise in Variable Renewable Energy (VRE) integration, energy efficiency measures, and electric vehicles. Specific expertise support includes weather forecasting for solar energy production, energy storage system design, management of energy systems with high Variable Renewable Energy integration, training development for utility scale and rooftop solar integration, energy audits, electric vehicle charging infrastructure, etc.

## Roles and Responsibilities

To achieve the above objectives, specific activities under the assignment will include but not limited to:

### Essential roles:

## Leadership

- Provide high quality engineering advice to the energy team.



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## Technical

- Review regulations and the common practices in the energy, especially renewable energy sectors.
- Conduct stakeholder analysis and consultation including the RGC, private sector, and development partners for renewable energy sector analysis to identify gap and define the need for support.
- Work closely with Investment Managers to develop the activity design for the intervention to fill in their gaps of knowledge in the renewable energy sector.
- If required provide other advisory and scoping services to assist in the broader design and development of the CAPRED energy program.
- Review and recommend suitable demand and supply forecast system and system operation strategies for VRE outputs in Cambodian context.
- Provide engineering advice on energy audit process and reports.
- Provide technical advice on EV charging station specification, standardisation, and grid impact modelling.
- Support in development of effective and engineering-sound capacity building program on energy storage system, including technologies and applications.
- Review and monitor technical accuracy and the engineering aspect of technical capacity building support on VRE integration especially utility scale and rooftop solar.

## Compliance

- Ensure stakeholders operate within Cowater and DFAT-related codes of conduct and policies, including all inclusion- related policies such as Child Protection and PSEAH, antifraud and corruption, value for money, and other policies.
- Ensure GEDSI principles are incorporated into intervention design and implementation.
- Carry out other relevant tasks and activities as requested by the CAPRED management.

## Stakeholder Relationships

- Maintain a good relationship with the government to build consensus and influence the policy
- Represent the domain or CAPRED in meetings or events with relevant stakeholders, as CAPRED requires.
- Collaborate with the Monitoring, Evaluation, Research, and Learning (MERL) team to assess the impact of the interventions and scale up successful initiatives.
- Work with the communications team to develop communications content.
- Collaborate with other technical teams to build synergies and enhance intervention effectiveness.

## Qualifications

- At least a bachelor's degree in electrical engineering, renewable energy, or related fields
- Extensive experience in renewable energy, electrical engineering, green policy or related fields.
- Technical knowledge to design renewable energy generation for electrification such as solar farm, solar rooftop, energy storage system, energy audit, energy efficiency measure, EV infrastructure and off grid electrification using solar
- Extensive experience with the solar farm, solar roof-top, off-grid electrification using solar, energy storage system, EV infrastructure or other renewable energy related companies in Cambodia.
- Extensive knowledge about the rules, regulations, and norms of the electricity system and renewable energy in Cambodia is preferred
- Strong analytical and research skills to conduct comprehensive assessments and identify areas for improvement.



- Excellent communication and facilitation skills to effectively engage with stakeholders and deliver training programs.
- Proven track record in monitoring and evaluation of programs, including the development of performance indicators and progress reports.
- Demonstrate experience in applying GEDSI principles and climate change initiatives into relevant projects.

**Closing Date: Sunday 28 July 2024**

### Application

Please send your cover letter and CV with name and contact details (phone and email) of three professional referees with your expected daily rate to [recruitment@capred.org](mailto:recruitment@capred.org) mentioning the position you apply for in the subject line "Renewable Energy Specialist".

*Cowater International is an equal opportunity employer, basing employment on merit and qualifications as they relate to the professional experience and position expectations. Cowater does not discriminate against any employee or applicants on the basis of race, religion, sex, gender identity, disability, age, or any other basis protected by law. CAPRED aims to have a diverse workforce at all levels, and a workplace that is supportive of gender equality, disability and social inclusion. Women, people with disabilities and other minorities are highly encouraged to apply.*

Only applicants shortlisted will be contacted for interview.

