



Terms of Reference – International Consultant

for GCF Readiness and Preparatory Support in Cambodia

“Climate Technology Deployment Roadmap for E-mobility Ecosystem in Cambodia”

Background

The **Green Technology Center Korea (GTC)** is a Korean government-affiliated research institute on climate change technology policy and cooperation. Also, as a **Delivery Partner (DP)** nominated by the **National Designated Authority (NDA)** or **Focal Point (FP)**, GTC implements activities approved under the **Readiness and Preparatory Support Programme (hereinafter “Readiness programme”)** of the **Green Climate Fund (GCF)**.

The Readiness programme provides grants and technical support to NDA or FP to support country-driven initiatives by developing countries to strengthen their institutional capacities, governance mechanisms, and planning and programming frameworks toward a transformational long-term climate action agenda.

The Royal Government of Cambodia (RGC) submitted an updated **Nationally Determined Contribution (NDC)** to UNFCCC in 2020. One of the target sectors for climate change mitigation in the NDC is transport, and a major mitigation action in the sector is to promote **e-mobility**. In light of that, the RGC submitted a Readiness programme proposal to GCF to enhance the country’s readiness to introduce and deploy e-mobility in November 2019 and received approval from GCF in December 2021.

The objective of the project (the approved Readiness proposal) is to establish a **Climate Technology Deployment (CTD) roadmap** for the e-mobility ecosystem to build an enabling environment that helps Cambodia fulfill its NDC targets in the transport sector. Being the NDA, the **Ministry of Environment (MoE)** of Cambodia through the Department of the Climate Change is the focal ministry for the project. GTC, as a DP, will lead the implementation of the project with the Department of the Climate Change of the MoE.

To successfully achieve the project's objective, GTC is planning to hire an **International Consultant** who will provide relevant knowledge and information required for the decision on optimal e-mobility technology mix in Cambodia. The results derived from the work will be used as a scientific reference for the development of CTD Roadmap, and also as a material to be shared to relevant stakeholders of Cambodia at the capacity-building workshop/validation workshop.

Tasks

Under the guidance and supervision of GTC and facilitation and management of the NDA, the International Consultant (hereinafter “Consultant”) is expected to undertake the tasks described below.

Task 1. Identify and conduct an assessment of e-mobility technology options

- I. Review the global e-mobility trend and technology options
- II. Assess and identify e-mobility technology options appropriate for Cambodia in consultation with the Climate Change Technical Working Group (CCTWG)
- III. Write a report on e-mobility technology options

Task 2. Undertake scenario analysis for e-mobility technology mix

- I. Review the NDC target in the transport sector and establish scenarios with target years
- II. Make a projection of e-mobility technology mix (vehicle mix) per scenario
- III. Estimate the impact on GHG emissions and other environmental impacts
- IV. Estimate the impact on government revenues
- V. Estimate investment projections (scope will be further discussed with the GTC)
- VI. Conduct a stakeholder consultation with the Steering Committee (SC) for feedback
- VII. Write a report on scenario analysis

Task 3. Deliver the findings at the capacity-building workshop/validation workshop

- I. Prepare presentation materials to share the results from Task 1 and Task 2
- II. Deliver the oral presentation at the capacity-building workshop/validation workshop

Deliverables

- ✓ Assessment of the e-mobility technology options
- ✓ Scenario analysis report including feedback from the SC meeting
- ✓ Presentation materials for the capacity-building workshop/validation workshop

Timeframe of Service Delivery

No.	Deliverable	Deadline	Remuneration
1	Assessment of the e-mobility technology options	Draft: 3 rd week of November, 2022 Final: 4 th week of November, 2022	40%
2	Scenario analysis report	Draft: 4 th week of January, 2022 Final: 1 st week of February, 2023	60%
3	Presentation materials for the capacity-building workshop	Draft: 3 rd week of May, 2023 Final: 4 th week of May, 2023	

* The submission deadline of each deliverable could be adjusted according to the project progress.

- ✓ The deliverables should be written in English in both editable Microsoft Word (.doc or .docx) and PDF files ensuring that all graphics and diagrams can be read clearly and legibly. A list of references is required to be added to the report as an annex. Volume of the deliverable will be decided/can be adjusted after discussion with GTC.
- ✓ All reports must be approved by GTC, and the Consultant will review the comments and the necessary revisions proposed. Within 14 days from the receipt of the observations or modifications proposed by GTC, the Consultant will prepare and present the final version of the report.
- ✓ There will be regular coordination and progress review meetings with GTC team. The Consultant shall prepare Power Point slides ahead for each of the regular coordination meetings.

Contract Type and Remuneration

The Consultant will be engaged in a fixed-price consultancy contract for **10 month** duration. Once selected, a contract document will be signed with the awarded consultant in accordance with the regulations in force for the Green Technology Center Korea for such contracts.

This is a contract position from **September 2022 to June 2023** (the term may be adjusted). Total fees of this position are up to **45,920 USD (VAT incl.)**.

- ✓ Consultancy Fee: 42,500 USD
- ✓ Travel Fee: 3,420 USD (Round trip air fare 2,000 USD + Per diem 1,420 USD)

Qualifications

Education

- ✓ Advanced University Degree (Master/Ph.D. degree or equivalent) in a relevant discipline such as transport/civil engineering or related areas
- ✓ Background in other areas may be considered based on experience and performance in previous positions.

Required expertise and skills

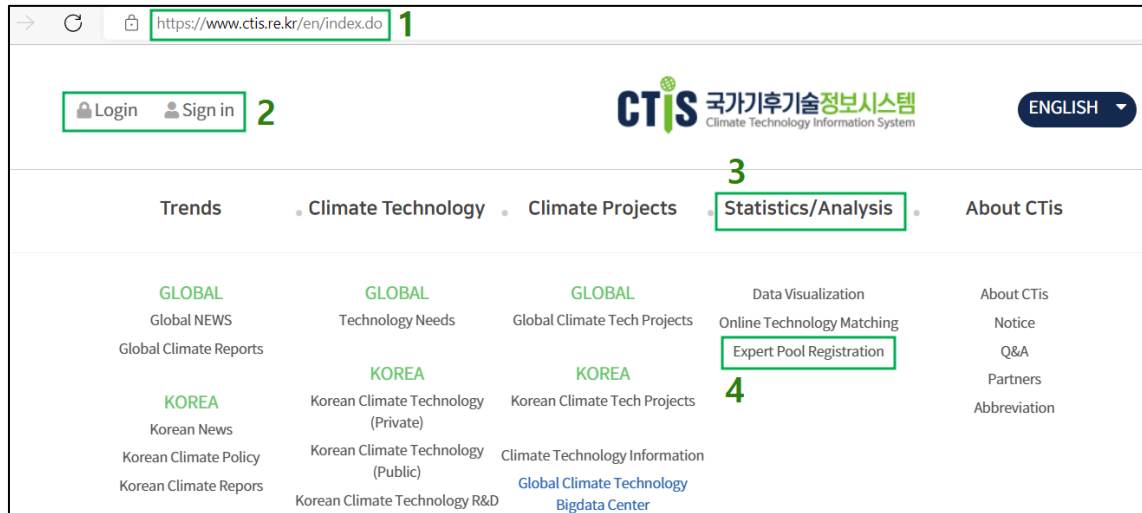
- ✓ At least fifteen (15) years of global experience in transport projects such as analyzing E-mobility technology interventions; developing national-level policies based on the understanding of the country context; assessing financial and economic costs and benefits
- ✓ Experience in conducting scenario analysis based on quantitative assessment
- ✓ Skills in research, data collection, data analysis, analytical tools, capacity building, and working with government agencies, private sector, NGOs, think-tanks, and donors;
- ✓ Proven ability to deliver high-quality reports for external stakeholders
- ✓ Fluency in both spoken and written English

Selection Process

An interested candidate should first complete the registration process at the ***Climate Technology Information System (CTis)***, <https://www.ctis.re.kr/en/index.do> as an expert. Once completed, the Expression of Interest (EOI), written in English, should be submitted electronically to kafkobj@gtck.re.kr no later than KST 18.00 hrs. on August 16th, 2022. The title of the application e-mail should be '**International Consultant - (Applicant Name)**'.

The registration process at the CTis is as follows:

1. Connect to the platform website at <https://www.ctis.re.kr/en/index.do>
2. Sign up for the membership and log in to the website
3. Go to [Statistics/Analysis] – [Expert Pool Registration] on the top
4. Follow the registration process for completion



The EOI should include:

- ✓ Curriculum Vitae – describing academic backgrounds and previously accomplished work related to transport, energy, climate change, and international cooperation;
- ✓ Cover Letter
- ✓ Technical Proposal – describing approach and methodology, work plan, and research data (Max 5p.)

A consortium or a company cannot be hired for the assignment of an individual consultant.

Copies of qualifications, previous employment certificates, publications, etc. should not be sent with the EOI. These will be requested from the selected candidate at the final stage. (i.e. Master/Ph.D degree or equivalent for Academic certificate and proof of three most relevant work experiences such as certificate of career, consultancy contract, etc.)

In principle, the evaluation will be conducted based on the submitted documents. In exceptional cases, an interview could be requested for the short-listed candidates. Only successful candidates shall be contacted and thus candidates are kindly requested to refrain from inquiring about the progress of their application.