



Terms of Reference – Local Consultant (Transport Expert) for GCF Readiness and Preparatory Support in Cambodia

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

Introduction

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 carry out the project, GTC plans to hire a **Local Consultant with transport expertise** who will conduct a situation analysis related to the transport sector and e-mobility in Cambodia and provide other relevant support, which will feed into the subsequent analysis for the development of a CTD roadmap.

Tasks

Under the guidance and supervision of GTC and facilitation and management of the NDA, the Local Consultant (hereinafter “Consultant”) is expected to undertake the tasks described below. Since the results of the tasks will be used in the subsequent steps of the project including a scenario analysis to be conducted by an international consultant, the Consultant is requested to communicate and cooperate closely with the international consultant while carrying out the assignment.

1) Collect, assess, and summarize relevant socio-economic and transport-related data and information in Cambodia

- Collect and summarize basic socio-economic data such as population and GDP per capita.
- Collect and summarize data related to vehicles such as vehicle types, number of vehicles (by vehicle type), average driving distance (by vehicle type), and average fuel usage (by vehicle type).
- Collect and summarize price and tax data related to vehicles and fuels.
- Review the trajectory of emissions (GHG and air pollutants) in the transport sector.
- Assess social and gender gaps or barriers in the transport sector.
- Collect and assess other data requested by GTC to the extent relevant to the project scope.
- When collecting such data as above, historical data need to be collected to the extent possible and projected data if available.

2) Review and assess the current state of e-mobility in Cambodia

- Review and assess the current situation of e-mobility in Cambodia by analyzing data and information on electric vehicles (in use and in supply), charging infrastructure, private and public sector players, etc.
- In view of e-mobility, review and assess the current state of electricity generation in Cambodia by analyzing data and information on generation mix (including from renewable sources if available), electricity demand and supply, generation cost and electricity price, etc.
- Review and assess the current situation regarding disposal/recycling of batteries from electric vehicles.
- Analyze the public’s acceptability of e-mobility including willingness to pay for electric vehicles vis-à-vis fossil fuel vehicles.
- Identify and report on relevant e-mobility roadmaps and pilot projects prepared and implemented by the government of Cambodia.

3) Review policies or legal/regulatory frameworks to promote e-mobility

- Review policies or legal/regulatory frameworks related to bringing electric vehicles to the market and consumers (e.g., laws and regulations on importing vehicles, taxation and duties, registration procedure).
- Review policies or legal/regulatory frameworks related to charging infrastructure (e.g., electricity grid access, pricing and subsidies, procedure for installing charging stations).
- Review policies or legal/regulatory frameworks related to end-of-life batteries from electric vehicles (e.g., recycle, reuse, disposal).
- Review technical standards or guidelines for e-mobility on batteries, charging connector types, safety, inspection, and other specifications.
- Review the existing and planned subsidies and taxes related to e-mobility.

4) Develop presentation materials on situation analysis

- Based on the results of the above tasks, develop presentation materials in the form of PPT on situation analysis for capacity building and validation workshops.

In addition to these tasks, the Consultant shall provide other support to the international consultant in undertaking their work including scenario analysis as appropriate.

Deliverables

- ✓ **Situation analysis report** that includes socio-economic and transport-related data, assessment on the current state of e-mobility, and information on policies and regulatory frameworks to promote e-mobility.
- ✓ **Presentation materials** on situation analysis.

Timeframe of service delivery

No.	Deliverable	Deadline	Remuneration
1	Situation analysis report	Draft: 2 nd week of October, 2022 Final: 4 th week of October, 2022	70%
2	Presentation materials on situation analysis	Draft: 3 rd week of May, 2023 Final: 4 th week of May, 2023	30%

* 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 GTC 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 **21,900 USD (VAT incl.)**.

Qualifications

Education

- ✓ Advanced University Degree (Master/Ph.D. degree or equivalent) in transport, energy, climate change, international cooperation, or related fields of study.
- ✓ Background in other areas may be considered based on experience and performance in previous positions

Experience

- ✓ At least five (5) years of relevant experience in the transport or energy sector, preferably with a focus on the development and implementation of transport/energy efficiency projects in Cambodia

Language and Skills

- ✓ Fluency in both spoken and written English
- ✓ Excellent understanding of Cambodia's transport, environment, and development issues

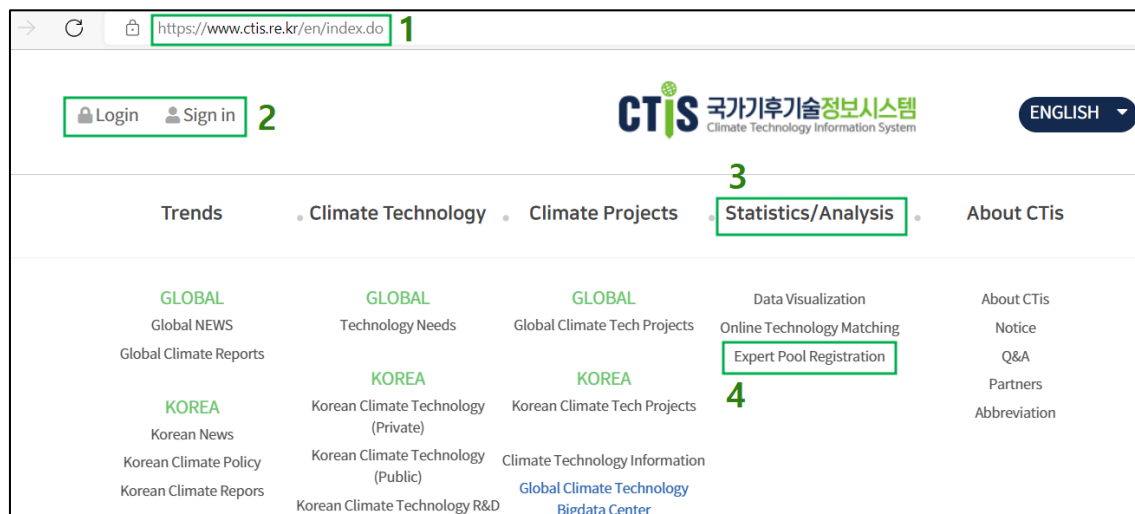
- ✓ Proven ability to network and develop partnerships across a range of stakeholders in Cambodia, especially the public sector (Ministry of Environment, Ministry of Public Works and Transport, etc.)
- ✓ Proven ability to deliver high-quality reports and briefing papers for external stakeholders

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 kafkabj@gtck.re.kr no later than **KST 18.00 hrs. on August 16th, 2022**. The title of the application e-mail should be **‘Transport Expert - (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.