

# Terms of References

## Preparation of Sri Lanka's Third National Communication on Climate Change

### Expert for Mitigation Options – One Post

#### **I. Project background information**

Sri Lanka has ratified the United Nations Framework Convention on Climate Change (UNFCCC) in 1993 and Kyoto Protocol in 2002. Consequently, the Ministry of Mahaweli Development and Environment (MMDE) is the National Focal Point to UNFCCC. Parties to the UNFCCC should prepare and submit their National Communications on climate change to the Secretariat of UNFCCC, fulfilling the requirement of the Convention under the Article 12 in respect of National Communications. Accordingly, Sri Lanka has submitted its Initial and Second National Communications in 2000 and 2012 respectively. Presently, Climate Change Secretariat (CCS) of the MMDE) is in the process of preparing its Third National Communication (TNC) on Climate Change.

The project for preparation of the Third National Communication on climate change is a logical continual step towards further implementation of the UNFCCC at national level. Its main objective is to prepare a comprehensive report on the climate change related issues. The analysis conducted within the Second National Communication will be updated and upgraded/extended, which will result in preparation of a comprehensive national report. Furthermore, it will work towards ensuring that climate change issues are not considered as separate to national and local environmental concerns by integrating objectives into national and local strategic planning processes.

The TNC comprises of mainly 5 components as follows;

01. National Circumstances
02. GHG Inventory
03. Vulnerability and Adaptation Measures
04. Mitigation Options
05. Other relevant information (capacity building, education and public awareness, technology transfer and gap related to financial, technical and capacity needs)

In order to assess and prepare mitigation options, an expert for mitigation options will be hired for a period of 12 months on contract based consultancies.

#### **II. Scope of Work**

An Expert of Mitigation Options will be entrusted to analysis and identify possible and appropriate mitigation options to be incorporated in the TNC report of Sri Lanka. The expert should ensure that

specific tasks relating to the National GHG Inventory is carried out in a timely manner and will also ensure efficient coordination and timely outputs of consultants, national agencies and institutions and engaged with CCS. Further, he/she is responsible for identify priority mitigation actions and cost effective mitigation options in order to prepare the Mitigation Assessment Chapter in the TNC report.

### **III. Duties and Responsibilities**

- i. Study and document all national CC mitigation programs and strategies.
- ii. Update and improve the future GHG emission scenarios for Sri Lanka.
- iii. Develop mitigation measures and emission reduction potential of the Industrial, Energy, LULUCF, Agriculture and Transport sectors.
- iv. Describe the constraints in implementation of identified CC mitigation programs and strategies.
- v. Develop mitigation assessment based on appropriate modals, Availability of technologies, R&D programs, Technology Transfer Needs, Mitigation potential, cost and benefits including the limitation of such assessments.
- vi. Carryout stakeholder workshop to facilitate and finalize the draft outputs for Mitigation Options.
- vii. Prepare the mitigation assessment chapter for TNC report.

### **IV. Qualifications and Skills**

The Expert for Mitigation Options for undertaking the above project activities should meet the following minimum qualifications and skills:

- I. A degree from a recognized university and a M.Sc. or equivalent in the field of Science, Environment and environmental management, economic or other field related to the project.
- II. Minimum of 10 years-experience of working on climate change or related field specially on climate change mitigation.
- III. Sound and broadly-recognized scientific expertise on various technologies on climate change mitigation and climate change and climate research in Sri Lanka;
- IV. Experience on GHG inventory preparation for National Communications to UNFCCC.
- V. Understanding the relation of environment/development issues and climate change;
- VI. Familiarity with the methodologies for technology needs assessment and the UNFCCC guidelines.
- VII. Good communication skills and competence in handling GHG inventory preparation and identify mitigation potentials.
- VIII. Advance computing skills on data collection, gathering, filtering, analysis and modeling.
- IX. Knowledge on analytical capacity for determining mitigation options for decision making.

**IV. General:**

- i. All selected experts shall have excellent communication and reporting skills in English and satisfactory knowledge on essential computer applications.
- ii. All Experts should be able to plan, execute and monitor programs and meet the targets with no/minimum additional support.
- iii. All experts shall have sufficient physical fitness to work under busy and pressurized environment.
- iv. Initially all contract will be for durations given in each consultancy and would be extended as decided by the project management.
- v. All consultants should have correspondence with the Project Director through Technical Coordinator of the Project Management Unit.

**V. Consultancy Fee:**

SLR 1,150,000 – 1,160,000

The duration of this assignment is 12 months from the date of contract signature.

**VI. Expected output:**

A final report on mitigation options will be in accordance with the UNFCCC guidelines and detail information on direct and indirect GHGs.