

Terms of References

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

Expert Team for Mitigation Options – One Firm/Institute

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 a team of experts for energy, industry, Agriculture, Forestry and Land Use& other lands and waste will be hired for 12 months.

II. Scope of Work:

An Expert Team of Mitigation Options will be formed to analysis and identify possible and

appropriate mitigation options to be incorporated in the TNC Report of Sri Lanka. The Team will ensure that specific tasks relating to the National GHG Inventory is carried out in a timely manner and will ensure efficient coordination outputs of consultants, national agencies and institutions and engaged with CCS. Further, this team should identify the priority mitigation actions and cost effective mitigation options to prepare the Mitigation Assessment Chapter of the TNC report.

III. Duties and Responsibilities:

- I. Study and document all the national climate change mitigation programs and strategies
- II. Update and improve 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 the identified climate change mitigation programs and strategies
- V. Develop mitigation assessment based on appropriate models, Availability of technologies, R&D programs, Technology Transfer Needs, Mitigation potentials, cost and benefits including the limitation of such assessments.
- VI. Carry out the stakeholder workshops to facilitate and finalize the draft outputs for Mitigation options
- VII. Prepare a mitigation assessment chapter for the TNC Report

IV. Qualifications and Skills

Sector experts of the Expert Team 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 Engineering, Science, Environment and environmental management, economic or other field related to the project.
- II. Minimum of 5 years-experience of working on climate change or related field.
- 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.

V. 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.

VI. Consultancy Fee:

SLR 2,000,000 – 2,500,000 for the team of experts

The overall duration of the assignment covered by this ToR is 12 months from the date of contract signature.

V. Expected output:

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