



**Ministry of Environment
Republic of Maldives**

**Recruitment of a consultant to conduct mitigation modelling/assessments for the
Maldives Third National Communication (TNC) to the UNFCCC**

TERMS OF REFERENCE

1. BACKGROUND

Ministry of Environment (ME) in partnership with the United Nations Environment Programme (UNEP) is currently implementing a project titled, Preparation of Third National Communication (TNC) under United Nations Framework Convention on Climate Change (UNFCCC) for the Republic of Maldives.

TNC follows previous work carried out by Republic of Maldives including First National Communication, (FNC), Second National Communication, (SNC), Maldives' Nationally Determined Contribution (NDC) and the Maldives First Biennial Update Report (BUR), sets a number of priority areas, and allocates adequate resources in the most cost-effective manner. Project components include: national circumstances; national greenhouse gas (GHG) inventory of anthropogenic emissions by sources and removal by sinks of all GHGs not controlled by the Montreal Protocol; programmes to mitigate climate change; measures to facilitate adequate adaptation; constraints and gaps, and related financial, technical and capacity needs, any other relevant information and preparation of the Third National Communication of the Republic of Maldives and submission.

In this regard, the Ministry of Environment is seeking a consultant to conduct mitigation modelling and assessments required under the TNC project.

2. OBJECTIVES OF ASSIGNMENT

The primary objective of this task is to update the current projections scenario to 2050 under the BAU and model mitigation scenarios to 2050, considering the on-going and planned mitigation actions. Long-range Energy Alternatives Planning System (LEAP) should be used as modelling tool. The consultant would work closely with the TNC project team established in the climate change department of the Ministry of Environment of the Maldives to achieve these objectives.

3. SPECIFIC TASKS

Under the guidance of the respective coordinators, the scope of the exercise will include but will not be limited to the following:

1. Assess existing baseline scenario based on the ongoing and newly proposed mitigation projects
2. Using LEAP as a modelling tool, update the information provided in the Maldives First Biennial Update Report (BUR) to:
 1. Re-model baseline scenario to 2050
 2. Re-visit emission scenarios presented to provide updated projections for the year 2050, including segregated emission projections for key national sectors
 3. Establish emissions reductions by all the mitigation actions and the associated cost under the modelling.
 4. Compare the newly projected emission scenarios to the Updated NDC targets to track progress
3. Prepare a technical report on the details of the modelling assessment
4. Ensure that the projections and the content of the report delivered is in line with the reporting requirements of UNFCCC.
5. Archive and provide the modelling data in line with the guidance provided.
6. Provide any other required assistance in the compilation of the mitigation chapter

4. KEY DELIVERABLES

The following shall be the key deliverables:

- Inception Report outlining the approach to be used in the assessment which should include;
 - Data Structure for LEAP model and the data sources to be used
 - Assumptions/indicators to be used in the LEAP assessment
- First draft technical report outlining the Results of the Mitigation Assessment in line with the specific tasks listed above.
- Final Report of the Mitigation Assessment.

5. QUALIFICATION CRITERIA

To be eligible for this assignment following criteria are expected to be met.

- Academic Qualification
 - Must have a Master's degree relevant to thematic area in Climate Change, Energy or Environmental Sciences or relevant field
- Professional Experience
 - At least 7 years of work experience in climate change/environmental sector
 - Demonstrated experience working as an expert/advisor regarding climate change mitigation

- Demonstrated knowledge and experience in using mitigation modelling tools, specifically LEAP
- Knowledge of reporting requirements for developing countries under the UNFCCC
- Previous experience and familiarity with national communications and biennial update reports will be an added advantage
- Demonstrated English Language Skills
- Excellent interpersonal skills and demonstrated ability to communicate with stakeholders essential.

6. REPORTING

The consultant is required to report to the coordinators allocated from the Ministries and work closely with the Mitigation Technical Coordinator.

7. CONTRACT DURATION

The contract duration will be a maximum of **6 months** from the commencement of the assignment.

8. PAYMENT

Payment would be made in accordance with the schedule specified below:

Deliverable	Allocation
Submission and Approval of Inception Report outlining the approached methodologies, to be used in the assessment	10%
First draft technical report outlining the Results of the Mitigation Assessment in line with the specific tasks listed above	30%
Submission and Acceptance of Final Report of the Mitigation Assessment.	60%

9. SELECTION CRITERIA

The candidates will be selected based on the following criteria.

Rating Criteria	
Criterion	Total points
Academic Qualifications, <ul style="list-style-type: none"> • <i>Master's Degree and above in relevant field = 15 points</i> 	15 points
Professional Experience in prescribed sector <ul style="list-style-type: none"> • <i>7 years– 10 points, 7 years and above –20 points</i> 	20 points
Experience in using LEAP as a modelling tool	25 points

<ul style="list-style-type: none"> • <i>5 points per assignment</i> 	
<p>Financial Proposal</p> <ul style="list-style-type: none"> • <i>The proposal with the Lowest Financial Quote (Fq) will get the maximum Financial Score (Sf) of 40 points. The Financial Scores (Sf) of the other Financial Proposals will be computed according to the following formula: $Sf = 40 \times Fq / F$, in which Sf is the financial score, Fq is the Lowest Financial Quote received and F is the price of the proposal under consideration.</i> 	40 points

10. APPLICATIONS

Interested candidate(s) may submit the expressions of interest indicating the following.

- Letter of Expression of Interest
- Detailed CV of the consultant (required experiences and other experiences relevant to this TOR must be specified clearly or highlighted in the CV)
- Copies of educational qualifications
- Valid reference letters indicating relevant assignments carried out in the past
- A description of the approach, methodology and work plan for performing the assignment covering the following subjects: technical approach and methodology, work plan
- Total cost of the assignment with cost breakdowns for all assignments as indicated in the deliverables
- Business Registration under Ministry of Economic Development under sole proprietorship

11. ADDITIONAL INFORMATION

- The TNC PMU has overall responsibility for the management of the contract and contractual reporting obligations
- Documents and data provided by the government for the purpose of this assessment which is not of public nature shall be considered confidential and should not be disclosed to any other party.
- All outputs and materials produced as part of this TOR shall be handed over to the TNC-PMU at the end of the contract and will become the sole property of ME
- For the Stakeholder Consultation: invitation, catering and venue will be financed directly by the project. This cost should NOT be included in the price quotation.

12. QUERIES

For any queries please email to tender@environment.gov.mv and CC to climate@environment.gov.mv before 1000hrs on 25th March 2021. Answers will be provided to all the queries received before the deadline and will be made available via the Ministry website (www.environment.gov.mv).

13. SUBMISSION

Proposals must be delivered in sealed envelopes titles ‘Do not Open Before 1100 hours of 28th March 2021 – Recruitment of a consultant to conduct mitigation modelling/assessments for the Maldives Third National Communication (TNC) to the UNFCCC’ and the submitting party’s name and address to the address below on or before **1100 hours of 28th March 2021** local time. Electronic submission is not permitted. Late proposals will be rejected. Proposals will be opened on **28th March 2021 at 1100 hours** in the presence of the proponents’ representatives who choose to be present at the address below at the time of proposal opening.