

**Technical Services Department  
Maldives Ports Limited**

**TOR FOR CARBON AUDIT**

**Terms of Reference**

1. Conduct a survey and estimate the total carbon footprint of the MPL operations in line with globally accepted IPCC methodologies and guidelines (like IPCC or World Port Sustainability Program)
2. The emission estimate must include scope 1 (direct emissions), scope 2 (indirect emissions) and feasibility of estimating emissions in scope 3 (emissions from 3<sup>rd</sup> party operating in the port).
3. Assess and identify emissions of key operation of Male' Commercial Harbour and Hulhumale' Terminal, and sources of emission (energy, transport, waste etc) for all three scopes.
4. Identify measures to reduce emission with key focus on scope 1 and scope 2 emissions.
5. Analyze the cost benefit of identified measures and provide overall abatement cost of the emission reduction measures. These measures should include
  - a. Renewable energy measures
  - b. Energy efficiency measures including retrofitting
  - c. Improving efficiency of operations (including passive policy measures)
  - d. And any other measure deemed to deliver emission reduction.

**Requirements for Experience and Qualifications**

In executing this TOR, the consultancy is expected to meet the following eligibility criteria and should provide CVs and commitment letters of team member(s) meeting the following requirements:

#	Post	Nos
1	GHG inventory Expert	1
2	Renewable Energy Expert	1

**1. GHG Inventory Expert**

- Academic Qualification
  - o Must have a Master's degree relevant to thematic area in Climate Change, Climatology or Energy
- Professional Experience

- Atleast 10 years of work experience in climate change/environmental sector
- Sound knowledge and understanding of environment and climate change subject area, especially in climate change mitigation
- Demonstrated knowledge and experience in collecting and analysis of environmental data
- Demonstrated experience in compiling GHG inventories
- Experience and familiarity with 2006 IPCC software for GHG compilation and IPCC good practice guidance
- 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.

## **2. Renewable Energy Expert**

- Academic Qualification
  - Must have a Master's degree relevant to Electrical/Renewable Energy/Energy Technology or related field
- Professional Experience
  - Atleast 10 years of work experience in climate change/renewable energy/energy technology
  - Sound knowledge and understanding of renewable and energy technology
  - Demonstrated knowledge and experience in collecting and analysis of related data
  - Demonstrated English Language Skills
  - Excellent interpersonal skills and demonstrated ability to communicate with stakeholders essential.

### **Documents required**

- Attested certificates of Experts
- CVs
- Methodology
- Work schedule with Deliverables