APPENDIX B

LOT #1

Terms of Reference (ToR): Development of a Strategic Energy Transition Plan for Montserrat

1. Background

Montserrat, a Small Island Developing State (SIDS) in the Caribbean, is committed to exploring the Green Economy by transitioning toward a sustainable, low-carbon energy future that enhances energy security, supports economic development, and strengthens climate resilience. The island has previously undertaken a range of studies and assessments to explore its renewable energy potential—including geothermal, solar, and wind, and aims to investigate other resources such as marine energy.

Montserrat would also like to explore the Blue Economy as a development pathway that sustainably utilizes ocean resources to support economic growth, livelihoods, and environmental health. Additionally, the Government of Montserrat (GoM) recognizes that transitioning the transportation sector is a critical component of achieving a comprehensive energy transformation. Reducing the reliance on imported fossil fuels for transport, encouraging electric mobility, and improving transport efficiency will be central to this strategy.

The Government of Montserrat seeks to commission a comprehensive **Strategic Energy Transition Plan** that integrates prior research, assesses the Green Economy to include but not limited to renewable energy pathways based on local conditions and regional successes, and includes Blue Economy principles.

2. Objectives

The primary objective of this assignment is to develop a comprehensive, phased Strategic Energy Transition Plan that:

- Aligns with the national Energy Policy, development goals and integrates the emerging Blue Economy strategy;
- Integrates and assesses relevant documentation on renewable energy and energy planning;
- Provides a clear roadmap to achieve Montserrat's clean energy targets by identifying optimal pathways based on available resources and geographic conditions;
- Considers economic, technical, environmental, and social dimensions;
- Encourages public-private partnerships and community involvement;
- Identifies funding opportunities and implementation mechanisms.
- Includes actionable recommendations for transitioning the transportation sector to low- or zero-carbon alternatives (e.g., electric vehicles, biofuels, public transport improvements)

- Recommends actionable steps to guide Montserrat's transition to a sustainable, resilient, and inclusive energy system.

3. Scope of Work

The consultant shall undertake the following tasks:

3.1 Review and Assessment of Existing Work

- Conduct a review of Montserrat's Energy Policy and other relevant national policies and strategies.
- Review available documentations and studies, including investment models, feasibility studies, stakeholder engagement plans, and proposed renewable energy projects.
- Assess the current energy system: generation mix, grid infrastructure, demand patterns, energy pricing, and regulatory environment.
- Analyse the current transportation landscape, including fleet composition, fuel usage, infrastructure readiness for electric vehicles (EVs), and policy framework.

3.2 Stakeholder Engagement

- Engage key stakeholders: Government departments (Department of Energy, Ministry of Finance and Economic Management – MoFEM, Department of Trade), MUL (Montserrat Utilities Ltd), Governor's Office and FCDO representatives, private sector, civil society, and the general public.
- Conduct at least two stakeholder workshops (inception and validation).

3.3 Strategic Framework Development

- Define clear goals and targets for the energy transition, including timelines.
- Evaluate the technical and economic feasibility of various renewable energy options for Montserrat, with a focus on:
    - Solar photovoltaic (utility-scale and distributed);
    - Geothermal potential;
    - Wind energy (onshore and offshore);
    - Ocean energy (wave, tidal, OTEC), and its synergy with the Blue Economy;
    - Storage and micro grids.
- Assess and propose pathways for electrification of transportation, including public transit, private vehicles, and government fleets.
- Evaluate infrastructure requirements and policies needed for electric vehicle (EV) adoption, such as charging networks, import incentives, and public awareness campaigns.
- Propose policy, regulatory, and institutional adjustments needed to facilitate the transition.
- Incorporate gender, equity, and social inclusion considerations.

- Recommend the most viable energy technology mix based on resource availability, land/marine use constraints, infrastructure, and socio-economic context.

3.4 Implementation Roadmap

- Propose a phased implementation plan: short (0–2 years), medium (3–5 years), and long term (6–10+ years).
- Identify key projects and interventions, with timelines and responsible entities.
- Develop a high-level investment plan and financial strategy, including public, private, and blended finance options.
- Recommend capacity-building and technical assistance needs.
- Include specific initiatives for decarbonizing transport, such as vehicle replacement programs, EV pilot projects, and associated infrastructure deployment.

3.5 Risk Assessment and Monitoring

- Identify risks (technical, financial, environmental, and political) and mitigation measures.
- Propose a Monitoring, Evaluation, and Learning (MEL) framework for tracking progress, including key indicators for the transportation sector transition.

4. Deliverables

The consultant shall deliver the following:

1. **Inception Report** – outlining methodology, work plan, and stakeholder engagement strategy.
2. **Interim Report** – including baseline assessment and preliminary recommendations.
3. **Draft Strategic Energy Transition Plan** – for stakeholder review.
4. **Final Strategic Energy Transition Plan** – incorporating feedback and presented in a stakeholder validation workshop.
5. **Executive Summary and Presentation Materials** – suitable for policy makers and the public.

5. Duration and Timeline

The duration of the assignment is expected to be no longer than **5 months**, starting from the contract signing date.

- Month 1: Inception and data collection
- Month 2: Stakeholder consultations and interim report
- Month 3: Draft plan development
- Month 4: Validation workshop and feedback incorporation
- Month 5: Final submission

6. Qualifications and Experience

The consultant/team should demonstrate:

- Proven experience of at least five (5) years in energy policy, strategic planning, and/or energy transitions;
- Expertise with Green Economy, particularly in renewable energy technologies, finance, and grid integration;
- Experience in low-carbon transportation planning and electric mobility;
- Experience in Small Island Developing States (SIDS) or Caribbean contexts;
- Familiarity with Blue Economy concepts and marine resource development;
- Strong stakeholder engagement and facilitation skills;
- Understanding of international climate and development finance.

7. Reporting and Coordination

The consultant will report to the Ministry responsible for Energy (BUILT), MoFEM, and coordinate closely with:

- Montserrat Utilities Ltd (MUL)
- Other relevant government and community stakeholders
- Economic and Energy Sector Advisers, DESNZ

8. Budget and Payment Schedule

A detailed budget should be proposed by the consultant and a payment schedule will be agreed upon during contract negotiations. Payments will be made upon the successful completion of deliverables according to the agreed schedule.

9. Submission Requirements

Interested consultants should submit:

- Technical proposal, including understanding of the assignment and methodology
- Team composition and CVs
- Work plan and timeline
- Financial proposal including professional fees, travel, and any other costs;