



Government of Saint Vincent and the Grenadines

Preparation for a Pilot Project for the Commercial Sector Cold Rooms, with Potential Replication in the Public Sector: Hotels and Fisheries Complexes in Saint Vincent and the Grenadines

REQUEST FOR EXPRESSIONS OF INTEREST (NATIONAL CONSULTANT)

Assignment Title: Local consultancy to conduct technical field assessments, refrigerant and energy-use baseline studies, stakeholder consultations, and provide technical inputs for the preparation of the full pilot project proposal for Saint Vincent and the Grenadines (SVG), under Decision 91/65

Reference No: SVGEEP-D-91-65

Saint Vincent and the Grenadines (SVG) is preparing a pilot project under Decision 91/65 to demonstrate high-efficiency, low-global-warming-potential (GWP) refrigeration technologies in the commercial sector, initially targeting hotels and fisheries complexes, with potential replication in the public sector. The initiative responds to the significant climate and energy impacts associated with commercial refrigeration.

In 2024, SVG consumed 20.58 MT of HFCs, including 3.92 MT of R-404A, which, despite representing less than 20% of HFC volume, accounted for approximately 33.4% of the country's climate impact due to its high GWP. Commercial cold rooms also face energy-efficiency challenges associated with ageing equipment, refrigerant leakage, deteriorated insulation and limited system optimization.

The National Consultant – Commercial Refrigeration & Energy Efficiency will provide the essential local technical, institutional and operational information required to develop the full pilot project proposal. Working under the supervision of UNDP and the International Consultant, the consultant will coordinate with the National Ozone Unit (NOU), participating facilities and relevant stakeholders.

Key Areas of Assignment:

- **Baseline technical assessment:** Conduct field assessments of selected hotels and fisheries complexes, documenting refrigeration equipment, refrigerant types and charges, equipment condition, insulation, compressors, controls, energy consumption and operational patterns.

- Energy and refrigerant baseline: Collect electricity and equipment data to establish cold-room energy-use profiles and identify opportunities for improved energy efficiency and reduced refrigerant-related emissions.
- Stakeholder consultations: Engage facility managers, technicians and procurement officers to identify operational challenges, institutional needs and technical capacity gaps, while validating preliminary findings.
- Gender-responsive assessment: Incorporate gender considerations into the needs assessment, including the roles and impacts of women within the relevant facilities.
- Technology and options analysis: Assess the feasibility of transitioning to lower-GWP natural refrigerants, including CO₂, R-290 and ammonia, together with energy-efficiency measures such as insulation improvements, variable-speed drives and advanced controls.
- Renewable-energy integration: Assess infrastructure requirements and opportunities for integrating solar PV into refrigeration systems.
- Pilot project development: Provide local technical data, preliminary system sizing, cost ranges, energy and emissions reduction estimates, implementation inputs, and monitoring and verification requirements for the full project document.
- Review support: Provide clarifications and additional information requested during the MLF Secretariat review period.

The consultancy will establish the technical and evidence base needed to design a feasible commercial cold-room pilot that combines low-GWP refrigeration, energy efficiency and potentially solar PV, while generating a replicable approach for broader application in SVG.

The detailed Terms of Reference (TOR) for the assignment can be found at the following website: <https://procurement.gov.vc/eprocure/index.php/current-bids>

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by **October 23, 2026**:

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