BACKGROUND

This Strengthening of Quality for Sustainable Energy in the Caribbean (QSEC) Project is aimed at developing quality infrastructure services, especially in the areas of metrology, testing, inspection, certification and accreditation in the area of energy efficiency. Central to this project is the implementation of a regional pilot energy efficiency labelling program designed to promote the use of energy-efficient household appliances and illuminants to include lighting equipment, refrigerators and air conditioners which will contribute to lower energy consumption.

The project is being implemented at the CARICOM level by participating CARICOM members (Saint Lucia, Belize, Jamaica and Trinidad and Tobago) as well as the Dominican Republic. The lead implementing partners of the project are the CARICOM Regional Organisation for Standards and Quality (CROSQ) and the Instituto Dominicano para la Calidad (INDOCAL) from the Dominican Republic. The primary target group comprises consumers of energy in private households, in public institutions and in the private sector who benefit from a sustainable use of energy; as well as a secondary target group of retailers, importers and distributors of electrical appliances. Direct beneficiaries of the project are the National Standards Bureaus (NSBs) in the participating countries.

The main components of this regional project are to operationalize the labeling programmes through the development of procedures manuals and guides at the regional and national levels; building capacity in conducting energy efficiency testing through training and procurement of testing equipment, as well as development of a database to serve as a repository for results of tested equipment and appliances; facilitating regional laboratories to get accreditation-ready; and sharing of information among regional quality infrastructure institutions and sensitization of stakeholders.

OBJECTIVES

The overall objective of this consultancy is to conduct an impact study to determine the expected effect of the introduction and implementation of an energy efficiency labelling scheme in the region. This study must inform primarily on the manner in which key sectors and stakeholders, such as retailers, will be affected, the anticipated energy savings and changes in greenhouse gas emissions in the piloting and testing member states of Saint Lucia, Belize, Trinidad and Tobago and Jamaica. Additionally this exercise
will serve to develop the framework for further similar exercises to measure impact of the Pilot Energy Efficiency Labelling Scheme in the future.

This exercise will be focus on:

- The establishment and determination of baselines to facilitate accurate and reliable assessment of changes affected by the Scheme in the future
- The development of the framework to determine and make predictions (where possible) of potential impact of measures which will be introduced and implemented by the Scheme

**SCOPE OF WORK**

To achieve the objectives above, the consultant is expected to conduct the following activities:

1. Assess existing market data collected in CARICOM countries (during previous exercises) to make a determination on the adequacy, usefulness and validity of such data being used in the baseline activity
2. Make a determination of the extent of market research which needs to be done for baseline data as or where required
3. Conduct market research for collection of baseline data in participating countries (if needed)
4. Develop baseline study
5. Make recommendations on the way forward in terms of approach for the development of a framework for the region on the predictions in the areas highlighted below
6. Conduct ex-ante impact analysis (based on recommendations and agreement of contractor) and influenced by (5) above to cover the medium to long term to predict potential impact of the Scheme in CARICOM which should include (but not limited to) the following:
   - Impact on economic operators, such as retailers and importers, and other affected sectors
   - Greenhouse gas emissions
   - Energy savings
   - Consumers cost savings and
   - Consumer purchasing decisions.

**DELIVERABLES AND REPORTING REQUIREMENTS**

The Consultant will report to the project management team of the QSEC Project and will liaise directly with the CROSQ Project Coordinator.

The consultant is required to:

1. Prepare an *inception report* detailing findings on existing data and its applicability and or relevance to the process. The report should also include recommendations for data needed, if
short-comings in existing data are identified. Anticipated challenges (and possible solutions) in data collection should be highlighted.

2. Prepare a baseline study showing the current situation in piloting and testing countries.

3. Prepare an ex-ante impact analysis as detailed in (6) of Scope of Work above.

DURATION

The consultancy is expected to last for a maximum of 35 days over a six (6) month period. It includes visits to selected CARICOM countries as considered necessary and appropriate.

QUALIFICATIONS AND EXPERIENCE

This consultancy requires the services of a key expert. The appointed consultant must meet the following minimum requirements:

- A postgraduate degree in the field of energy (special focus on energy efficiency)
- At least five (5) years of experience conducting studies related to the energy sector and / or other exercises related to the impact of policy and regulations in the energy sector
- Experience working in the Caribbean region is an asset
- Knowledge and experience working with Energy Efficiency Labelling Programmes
- Excellent command of written and spoken English
- Excellent technical and report-writing skills.

Please send proposals/CVs to Mr Jaime Fernandez at jaime.fernandez-medina@ptb.de copied to Ms Janice Hilaire at janice.hilaire@crosq.org and to Mrs Anett Matbadal at calimet@matbadal.com

- Deadline for sending questions for clarification regarding the Terms of Reference: March 15, 2020
- Deadline for submission of CV’s and of a technical and a financial proposal: March 31, 2020