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DB Reference N°: IDB-P683593-03/21

Country: Jamaica

Institution: Inter-American Development Bank

Sector: General - Energy and Extractives

Deadline: 2021-04-02T00:00:00.00-04:00

Status: Published

Loan N°./Financing: ATN/ME-17740-JA

Project: Building a Sustainable Electric Mobility Ecosystem for Inclusion and Access

Title: Technical Design and Feasibility Assessment of E-Mobility Fund Consultancy

Borrower/Bid No:

REQUEST FOR EXPRESSIONS OF INTEREST

CONSULTING SERVICES

Selection #: JA-T1179-007

Selection Method: Quality & Cost Based Selection

Country: Jamaica

Sector: Energy

Funding – TC #: ATN/ME-17740-JA

Project #: JA-T1179

TC name: Building a Sustainable Electric Mobility Ecosystem for Inclusion and Access

Description of Services: Technical Design and Feasibility Assessment of E-Mobility Fund Consultancy

The JPS Foundation has entered into a Technical Cooperation Agreement with the Inter-American Development Bank to execute the project as mentioned above. The JPS Foundation intends to apply part of the proceeds of this financing to payments under the Contract for the Procurement of Consulting Services for the Technical Design and Feasibility Assessment of E-Mobility Fund by **April 2, 2021**, 5:00 PM (GMT-

5).

The consulting services ("the Services") include: i) preparation of an inception report, ii) conducting a feasibility assessment for the design of an E-Mobility fund, and iii) propose a Technical- Design for the EMobility Fund. The services are expected to be completed by **March 31, 2022**.

Eligible consulting firms will be selected in accordance with the JPS Policy and Procedure of Procurement Management dated December 13, 2013. If the Consulting firm is presented in a Consortium, it will designate one of them as a representative, and the latter will be responsible for the communications and for submitting the corresponding documents.

The JPS Foundation now invites eligible consulting firms to indicate their interest in providing the services described below in the intended draft Terms of Reference. Interested consulting firms must provide information establishing that they are qualified to perform the Services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Eligible consulting firms may associate in a joint venture or a sub-consultancy agreement to enhance their qualifications. Such association or Joint Venture shall appoint one of the firms as the representative.

Interested eligible consulting firms may obtain further information during office hours, 09:00 AM to 05:00 PM, (GMT-5) by sending an email to the Procurement Specialist ldbjsfproc@jpsco.com.

Draft Terms of Reference

Technical Design and Feasibility Assessment of E-Mobility Fund in Jamaica Consultancy

Background

1. Over the past decade, Jamaica has made significant progress in diversifying its energy matrix to reach its National Determined Contributions (NDC) on greenhouse gas (GHG) emissions. However, the country needs to act quickly to stem the growing demand for fossil fuels from the transport sector. New and used internal combustion engine (ICE) vehicle purchases contribute significantly to the increasing demand for fossil fuels in Jamaica. Transport is one of the most pollutant sectors providing more than a quarter of GHG emissions. Replacing ICE vehicles with electric vehicles (EV) creates a path to decarbonize the transport sector and is, therefore, one of the best behavioural and consumer changes to reduce CO2 emissions and fight climate change.
2. The development of an electric mobility ecosystem creates a path to decarbonize transport. Still, it requires coordinated actions and investment by stakeholders in public and private sectors to overcome several obstacles. These obstacles include: (i) no regulatory framework to support the development of the ecosystem; therefore, importers of ICE vehicles have no incentive to change to EVs; (ii) basic infrastructure required for the development of the EV ecosystem is missing; (iii) up-front cost of Battery Electric Vehicle (BEV) ownership is still high relative to ICE vehicles; and (iv) unprepared labour force to take advantage of the new employment and business opportunities that will emerge from a new industry. Further, as more developed markets continue to implement stricter emissions controls and major manufacturers shift production towards BEVs, Jamaica stands to become a dumping ground for dated and inefficient ICE vehicles.
3. The project aims to create the enabling environment for a sustainable electric mobility ecosystem, with an emphasis on creating opportunities for SMEs and their employees in the EV value chain through market sensitization, capacity building, and new business model development. This entails the development of standardized charging infrastructure; first responders are prepared to handle emergencies involving EVs, mechanics are trained to service them, end-of-life solutions are in place for EVs and EV battery packs, and the secondary sales market for EVs develops in such a way that it further contributes to bringing

the cost of EV ownership within reach of the average motorist. This project complements the Bank's project "Sustainable Transport and Renewable Energy-Powered Electro mobility Support to Jamaica (JA-T1172)," which promotes the creation of an electric mobility framework and ecosystem.

4. The beneficiaries of this project will be: (i) 400 individuals trained and upskills in the maintenance and safety related to BEV technology; (ii) 15 Innovative green businesses models supported, (iii)

50 new employment opportunities for renewable energy & EV sector, and (iv) the environment with a cleaner transportation system. The Executing agency is the JPS Foundation, and the total project budget is US\$1,920,000, of which US\$995,000 will be provided by IDB Lab through a nonreimbursable technical cooperation.

Objectives of the Consultancy

The consultancy's main objective is to assess the feasibility of an Electric Mobility Fund in Jamaica and provide a technical design for an Electric Mobility Fund based on the recommendation from the feasibility assessment. It is envisioned that the E-Mobility Fund will be owned and operated by the fund manager based on the proposed funding model.

The Consulting Firm will be responsible for assessing the feasibility and providing a technical design for an Electric Mobility Fund that can serve as a concessionary financing source to support local financial institutions interested in offering green financial products. The financial products include low-interest car loans, renewable energy loans, and competitive lease arrangements to stimulate private sector adoption and make BEVs more accessible to a wider public until price-parity with ICEVs is a reality in Jamaica.

Scope of Work

1. Prepare an Inception Report that includes: (i) the regulatory and financial policies in Jamaica that support the development of an E-Mobility Fund, (ii) a comprehensive review of E-Mobility Funds globally and comparable to the Jamaican economy to identify best practices with establishing EMobility Funds.
2. Conduct a Feasibility Assessment based on the Inception Report's best practices to make suitable recommendations for the Jamaican market.
 - a. The assessment should include, but not be limited to, legal framework, type of financial model, governance structure, risk assessment, and proposed risk mitigation strategies and key stakeholders.
 - b. The recommendation will be presented in a Strategy Paper, which will outline the value proposition associated with the proposed financing mechanism.
 - c. Based on the recommended approach, the Consulting Firm will cover how the mechanism will provide access to the capital markets; the type of investor base it would attract at greater flexibility and lower interest rates than the participating institutions could garner independently.
 - d. Depending on the proposed mechanism, the issuing vehicle's governance structure would need to be proposed, outlining the constitution of the management, board of approval, and trustees and/or custodians.
3. Based on the recommendations from the Feasibility Assessment, the Consulting firm will propose a Technical Design for the E-Mobility Fund with:
 - a. A roadmap of actions, responsible stakeholders, and indicative timelines for implementation,
 - b. Proposed costs to implement the E-Mobility Fund and the costs for participating institutions,
 - c. Develop a draft "Pooled E-Mobility Fund Guidelines" document that articulates the proposed financing mechanism's value proposition. The document would provide guidance to the participating institutions on how they would structure their financing arrangements to benefit from the facility. The guidelines would also outline the: proposed use of proceeds, defining the types of projects that would qualify to receive financing; application

procedure of how the participating institutions will tap the Fund; and the process by which the issuing structure will allocate capital to the participating institutions. The participating institutions should be guided on how to qualify to participate in the Fund, including debt service minimum requirements and repayment obligations; and disclosure and reporting requirements of the Fund.

Reporting/Supervision

The consulting firm activities will be supervised by the Programme Manager and Technical Project Lead and will directly liaise with:

Internally: All relevant technical experts of the JPS and JPS Foundation as indicated by the Programme Manager

Externally: IDB team and Funding Agencies representatives, Technical Officers, Contractors, Consultants, Suppliers, External Auditors, Representatives of the various beneficiary ministries and agencies.

Deliverables and Timeframe

#	Required Product	Delivery date
1	Work plan delivered	Ten (10) days after contract signature
2	Inception Report	One (1) month after the contract signature
3	Feasibility Assessment Report	Six (6) months after contract signature
4	Technical Design for the E-Mobility Fund	Eight (8) months after contract signature

Required Skills and Experience

- **Education:** Master's in Renewable Energy, Economics, Finance or related engineering discipline or equivalent qualification; Certification in Project Management, and advanced certification in renewable energy projects, or related field
- **Experience:** The Consulting Firm must have at least five (5) years' experience in the EVSE industry and prior experience developing E-Mobility Funds or energy projects financed by multilateral institutions or private banks. A solid understanding of Sustainable Finance Principles and Green Finance approaches must be demonstrated.
- **Core and Technical Competencies:** Knowledge of energy conservation, e-mobility fund and financial modelling, renewable energy technologies; Good interpersonal and excellent English communication and writing skills.

Payments Schedule and Consultancy Conditions The contract's amount will be paid as follow:

#	Required Product	Contract (%)
1	Work plan delivered	10%
2	Inception Report	20%
3	Feasibility Assessment Report	30%
4	Technical Design for the E-Mobility Fund	40%