ANTIGUA AND BARBUDA
Department of Environment

Request for Expression of Interest (EOI)
For the Supply of Electric Buses and Charging Stations

Title	Request for Expression of Interest (EOI) for Supply of Electric Buses and Charging Stations for the Department of Environment
Contracting Authority	Department of Environment, Ministry of Health, Wellness and the Environment, Antigua and Barbuda
Date of Issue	Friday 14th February 2020
Deadline	Monday 1st June 2020
To Apply	Interested persons are invited to apply for this opportunity. Please email the Procurement Officer at DOE@ab.gov.ag the following: 1. Cover letter 2. Technical Proposal 3. Financial Proposal Please use email subject line: "EOI for Supply of Electric Buses and Charging Stations"
EQUAL EMPLOYMENT OPPORTUNITY (EEO)	The Department of Environment (DoE) provides equal opportunity and fair and equitable treatment in employment to all people without regard to race, colour, religion, sex, national origin, age, disability, political affiliation, marital status, or sexual orientation. The DoE also strives to achieve equal employment opportunity in all personnel operations through continuing diversity enhancement programs.
LATE BIDS	Late Bids will not be opened and will be returned to Bidder.

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I. About the Department of Environment

The Department of Environment is a Government agency within the Ministry of Health, Wellness and the Environment in the Government of Antigua and Barbuda.

The overall mission of the Department of Environment (DOE) is to provide technical advice on the environment and to design and implement projects on behalf of the Government and the people of Antigua and Barbuda. These interventions are designed to protect and enhance the country's environment, as well as seek common solutions to national, regional and global environmental challenges.

The Department of Environment accomplishes its mission inter alia through:

- An integrated environmental planning and management system established on the basis of public participation and interagency collaboration,
- Efficient implementation of appropriate programmes, projects and technical services,
- Providing accurate council on environmental management as well as effective and consistent enforcement of environmental laws and regulations, and
- Provide the public with easily accessible information and technical assistance on environmental issues.

The Department of Environment manages projects within four main Programmes, which are aligned with national legislation and international environmental agreements. These are:

1. Climate Change Programme (Adaptation, Mitigation, and Capacity Building)
2. Biodiversity Programme
3. Pollution Programme
4. Monitoring, Evaluation and Data Management Programme

The DOE has an active portfolio of 13 projects, with Project Partners including UN Environment, UNDP, IUCN, Caribbean Development Bank, Government of Italy, Global Environment Facility, Green Climate Fund, the Adaptation Fund, among others. The DOE was accredited as a direct access entity to the Adaptation Fund in 2015 and to the Green Climate Fund in 2017. The DOE is focused on designing high-impact, transformational projects that maximize funding directly available to the public, private and civil society actors in order to meet an ambitious environmental agenda.

ll. Purpose and Objective of Expression of Interest

Background.

The transportation sector in Latin America and Caribbean (LAC) is a major contributor to greenhouse gas emissions, especially with respect to carbon dioxide, noting that carbon dioxide is just one of the greenhouse gases (GHG) correlated with climate change. Carbon dioxide (CO_2) emissions released from fossil fuel consumption increased from 760 million tons in 1980 to 1,327 million tons in 2005 in LAC, and the transport sector is one of the main contributors to CO_2 emissions in the LAC region.[1]

Green technology solutions are readily available to achieve emissions reductions in the transport sector in the Caribbean and other islands, where the size of many Small Island Developing States (SIDS) is well suited to the 100–200-mile (160–320 kilometre) range of currently available electric vehicles.[2]

Antigua and Barbuda has begun to pilot electric mobility projects, collecting data and capturing lessons learned for upscaling nationally and across the region. Key transferrable outcomes expected include reducing fossil fuel dependencies by transitioning local fleets to Electric vehicles; opportunities for coupling electric vehicles with renewable energy installations; transferrable feasibility assessment outcomes; approaches for mitigation environmental and social risks of new electric vehicle technologies; and best practices for full life cycle assessments and decommissioning of non-compliant fossil fuel vehicles.

[1] Govinda R. Timilsina; Ashish Shrestha. The Growth of Transport Sector CO2 Emissions and Underlying Factors in
Latin America and the Caribbean

[2] Caribbean Sustainable Energy Roadmap and Strategy (C-SERMS) Baseline Report and Assessment, 2015. http://www.worldwatch.org/system/files/C-SERMS_Baseline_10.29.2015.pdf

lll. Guidance for Financial and technical Proposal

The Financial Proposal is understood to cover all the activities necessary to supply the Electric Buses to Antigua & Barbuda, including but not limited to the following:

1. Proposed cost of purchasing electric buses with 40-seater capacity and driving range greater than 60 miles;

2. Proposed cost of purchasing charging stations (i.e. level 2 and/or level 3) for the buses. Charging stations should have a built-in meter for ease of data collection;

3. Proposed cost of shipping electric buses and charging stations to Antigua & Barbuda

4. Proposed annual maintenance schedule and operational cost for the vehicles,

5. Proposed cost of training mechanics for the maintenance of the vehicles;

6. Proposed cost of training bus drivers on management of the vehicles.

7. Estimated time of delivery

The Technical Proposal is understood to include but is not limited to the following;

1. Battery Performance; System Capacity, life expectancy, battery type, cooling & management system, charging time (including rapid charge time), charging requirements, range, etc

2. Motor Specifications; Motor Type, Max Horsepower (hp), Power (kw), Max Torque, Max Speed, Drivetrain / Driven Wheels, etc

3. Steering and Braking system specifications; Anti Breaking System, Regenerative Breaking, Power Steering, Orientation of Steering (Left- or Right-hand drive), etc

4. Physical Characteristics; Make, Model, Year, Weight, length, width, height, wheelbase, tire size, Accessibility for Disabled Users, Passenger entrance (left or right of vehicle), etc

5. Charging Unit Specifications; Standard (Multi Standard),Voltage Output, Current Output (AC or DC), Charger Level, etc

6. Warranty and provision of Spare parts and/or equipment

IV. Evaluation Criteria

The proposals (technical and financial) will be reviewed by an Evaluation Committee with the technical knowledge and/or expertise to evaluate the technical merits and reasonableness of the proposed costs under applicable cost principles. The DoE will inform all applicants on the outcome of the evaluation process.

The DoE will use the following selection criteria to evaluate and score proposals out of a total of 100 points:

Item #	Selection Criteria	Description	Maximum Score
1	Company Background and track record	Proven arrangements with dealership for purchase and maintenance of vehicles. **30 points**	60
		Technical and Financial proposal with detailed implementation and maintenance plan **30 points**	
2	Experience with training	Proven track record of training individuals in vehicle maintenance. **10 points**	15
		Fluency in written and spoken English and strong analytical and communication skills. **5 points**	
3	Adherence to TOR's specifications and requirements.	Quality of proposed work plan and methodology. **5 Points**	15
		Identification of risks and proposed management measures. **5 Points**	
		Clear understanding of TOR deliverables, including listing of 3 references. **5 Points**	
4	Cost Feasibility	Are costs reasonable and within market costs. **10 Points**	10
TOTAL			100