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Country: Bahamas
Project: PROMOTION OF SUSTAINABLE ENERGY
Financing: Inter-American Development Bank
Abstract: RENEWAL ENERGY, ENERGY EFFICIENCY, WASTE TO ENERGY AND ENERGY CONSERVATION PROGRAMS
Sector: Power
Loan/Credit Number: Operation No. BH-T1016
Contract/Bid Number: Expressions of Interest
Deadline: 19 December 2008

The Government of the Commonwealth of the Bahamas has applied for financing from the Inter-American Development Bank (IDB) toward the cost of achieving energy efficiency in public buildings, residential sector and commercial sectors, and implementing demonstration projects. The anticipated total cost of the technical cooperation program to be financed through the SECCI is US\$ 750,000.

The goal of this technical cooperation grant is to promote and support sustainable energy, including Renewal Energy (RE), Energy Efficiency, Waste to Energy (WE) and energy conservation programs in order to ensure sustainable development in the Bahamas, providing alternatives to minimize the dependency on fossil fuels.

The consulting firms will be responsible for carrying out the following components:

- **Component I – Design and Implementation of a National Energy Efficiency Program:** The goal of the energy efficiency program as set out in the draft National Energy Policy is to reduce the fuel needed to generate electrical energy by increasing efficiency in a number of areas ranging from use of solar water heaters, increasing building energy efficiency, and more efficient lighting and cooling.
- **Component II – Assessment of RE potential in the Bahamas:** The RE resources vary significantly between islands based on location and size. This component will assess RE sources through (a) Design of solar energy assessment initiative; (b) Design of a wind monitoring assessment initiative; (c) Design and implementation of a bioenergy research, development and demonstration programme; (d) Ocean Thermal Energy conversion potential assessment program.
- **Component III – Development of WE Projects:** (i) identify the solid waste stream on Grand Bahama and New Providence islands to determine quantities and periodicity to assess its potential as fuel for power generation; (ii) identify the best

suited technology that would generate maximum economic benefit for a WE plant (integrated solid waste and energy generation plant); (iii) assess the quantity, composition and flow of land fill gas that could be developed from the old dump at Harrold Road Landfill and whether the quantity of gas could be feasibly converted into power; (iv) evaluate the economic viability of a power generation facility that would operate on a combination of land fill gas (biogas generated in the facility either in the land fill or WE plant) and solid waste derived fuel; (v) assess and prepare report on the potential of solid waste from the Family Islands, to be used as waste derived fuel for the New Providence WE plant; (vi) review of current environment policies and regulations to identify what changes would be needed for the establishment of WE facilities.

- Component IV– This component will assist MOTE, BEST and BEC to strengthen their technical and institutional capacity, facilitating the transfer of technology and information, as well as implementing a long-term public education and awareness strategy for sustainable energy in the country. It will also comprise workshop to validate and disseminate the findings of this TC and develop communication and participation strategies during project implementation.

The consulting firms will normally be based in Nassau, Bahamas. Throughout the undertaking of the assignment however, the consultants will be expected to hold consultations with relevant stakeholders in the Family Islands.

The total duration of the implementation period of the consultancies is 12 months.

The Ministry of The Environment (MTE) now invites eligible consultants from any member country of the IDB to submit their expression of interest, which must provide information establishing that they are qualified to perform the described services. Bidders should indicate in their expression of interest for which project components they are applying.

Consulting firms should summarize their (i) general consulting experience, (ii) experience in the implementation of Energy Efficiency, Renewable Energy and Waste to Energy projects, (iii) working experience in Caribbean countries similar to the Bahamas; (iv) experience in institutional strengthening and communication strategies in the energy sector (v) availability of appropriate skills among staff.

The electronic file and four printed versions of the expression of interest should be sent to the address below by 19 December 2008 at 1500 hours (Nassau, Bahamas time).

The expressions of interest will be evaluated based on the qualifications and relevant experiences of the firm and the results will be used to prepare a shortlist of no more than six consulting firms. The firms included in the shortlist will subsequently be invited to present technical and economical proposals on the basis of a request for proposals mailed to them, which would include the detailed terms of reference.

Interested consulting firms may obtain further information at the address below during office hours (0900 to 1700).

Contact: BEST Commission.
Ministry of the Environment.
PO Box N 7132.
Nassau Court, West Bay Street.
Nassau, Bahamas.
Tel: (242) 322-4546, 322-2576.
Fax: (242) 326-3509.
E-mail: bestnbs@hotmail.com

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