

# REQUEST FOR EXPRESSIONS OF INTEREST

## SAINT LUCIA DISASTER VULNERABILITY REDUCTION PROJECT Loan #5493-LC

**Assignment Title: Vulnerability Assessment And Pre-Engineering Studies And Value Engineering  
Of Design Options – Soufriere Hospital**  
**Reference No. : DVRP-CS-CQS-VAPSOP-01-15**

Saint Lucia has received financing from the World Bank towards the Disaster Vulnerability Reduction Project (DVRP) and intends to apply part of the proceeds for consulting services for a vulnerability assessment and pre-engineering studies and value engineering of design options for Soufriere Hospital.

The consulting services (“the Services”) include carrying out the necessary field investigations and desk reviews to undertake the vulnerability assessment, which may include topographical surveys, review of the hydraulic and flood assessments, geo-technical reports, preparation of option designs with all related disciplines associated with hospital services, including but not limited to Electrical, Mechanical, HVAC, Plumbing, Fire protection, Public safety, auxiliary potable water supply and preparation of design options for restoration and effective delivery of health care services in Soufriere, Saint Lucia.

The Consultancy is to be undertaken over a period of six months and covers two broad areas which include the following services:

### **Activity 1- Vulnerability Assessment**

- Undertake the necessary field investigations, desk reviews of existing reports including the hydraulic and flood assessment report of the Soufriere and Fond St Jacques to inform option designs.
- Carry out all necessary topographical surveys, geo-technical investigations, engineering and consultations required to develop the option designs.
- Undertake detailed analysis and evaluation of the conditions of the existing site for reconstruction / rehabilitation; as well as the proposed site for relocation.
- Undertake a vulnerability assessment and comprehensive analysis and evaluation of the conditions of the building. Such assessment and analysis should include structural, mechanical, electrical HVAC, Plumbing, Fire protection, Public Safety.
- Carrying out of any Social Safeguards assessments and or Environmental Assessments that may be required. As part of this task, consideration should be given to prevailing and prospective vulnerabilities including natural and man-made risks (storms, flooding and hurricanes) and potential measures for mitigation.
- Identify the level of vulnerability, risk factors, the most feasible way to mitigate against risk concerns at present site and proposed site for relocation with input and guidance of the Ministry of Health.

## Activity 2 - Pre-Engineering Studies and Value Engineering of Designs Options

- a) Develop and Present at least two (2) options designs for the existing and proposed alternative sites
- b) Hold stakeholders consultations to develop options;
- c) Develop the appropriate engineering options to include rehabilitation/reconstruction/relocation; In developing options particular consideration should be given in the detailed design to make provision for disabled persons access to the facility (e.g. ramps), covered walkways, provision of sanitary facilities, provision for auxiliary water storage / water tanks, provision for site drainage, solar heating and location and details for specific water tank position, provision of rainwater harvesting, provision for adequate site drainage, external ground works, exits and entrances, perimeter fencing, location and details for specific tank position and quality of design and storage facilities.
- d) Options shall be presented as individual activities.
- e) Proposed interventions must conform to statutory requirements,
- f) Provide cost benefit analysis for proposed options; giving justification for the recommended option;
- g) Submit proposed site layout map for each option, noting type of activity or construction, general materials of construction and approximate dimensions of construction, estimated time for construction
- h) Submit schematic drawings of the proposed works for each option.
- i) Prepare and submit design options and preliminary cost estimates to adequately define the scope and cost for reconstruction / rehabilitation at the existing site or relocation of the health service to an area more suitable for effective operations of the Hospital.
- j) Recommend additional studies required to support the recommended option
- k) Options Packages
  - a. For each option identified, the consultant shall prepare a concept package consisting of a description of the activities, map and site layout for proposed interventions, general design and construction requirements including schematic design drawings, proposed project schedule, preliminary / gross estimated costs for construction, advantages and disadvantages, land acquisition requirements, project methodology and proposed period for execution of construction activities.

The Department of Planning and National Development now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services; (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, **please note that the individual experts’ bio data of Key Experts to be evaluated is required.**)

**The shortlisting criteria are:**

**Qualifications and Skills Requirement of the Consultant**

**The Consulting Firm:**

1. At least seven (7) years of overall consulting experience including experience in vulnerability assessments of public buildings and in the flood risk assessment
2. At least two (2) successfully completed similar assignments during the past seven (7) years

To be qualified, the Consulting Firm shall propose a team of key experts with the following qualifications and experience:

- i) Project Director
- ii) Geotechnical Engineer
- iii) Hydrologic Engineer
- iv) Structural Engineer
- v) Electrical Engineer
- vi) Environmental / Social Specialist

<b>WORK TEAM MINIMUM REQUIREMENTS</b>		
<b>POSITIONS</b>	<b>QUALIFICATIONS</b>	<b>SPECIFIC EXPERIENCE</b>
Project Director	Msc in Civil Engineering	Advisor, Consultant or management positions in development of projects related to roads and or coastal works. Experience not less than fifteen (15) years
Geotechnical Engineer	Bsc in Geotechnical Engineering	Experience in coastal slope stabilization. Experience not less than ten (10) years
Hydrologic Engineer	Bsc in Hydrology / Drainage Engineering,	Experience in Hydrology and hydrological assessment Experience not less than ten (10) years
Structural Engineer	Bsc Structural Engineering	Experience in structural assessments of public buildings Experience not less than seven (7) years
Electrical Engineer	Bsc Electrical Engineering	Experience in electrical assessments and inspections Experience not less than seven (7) years
Environmental / Social Specialist	Bsc in Environmental Engineering / Sociology	Public Educator, Disaster Specialist or Public Relations expert on community disaster management projects Experience not less than seven (7) years

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers January 2011* ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

Consultants may associate to enhance their qualifications. **The associations should clearly indicate the form of the association (Joint-venture or sub-consultancy; member in charge; other member/s and or sub-consultants). Joint ventures should submit letters of intent** indicating their intent to form a joint venture if awarded the contract and shall provide the above mentioned information for each member of the joint venture.

A Consultant will be selected in accordance with the Consultants Qualifications' Selection method set out in the World Bank's *Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers January 2011* ("Consultant Guidelines").

Further information can be obtained at the address below during office hours 8:00 a.m-4:00 p.m. (0800 to 1600 hours).

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by fax, or by e-mail) by March 18, 2015.

**Project Coordination Unit**  
**Ministry of Finance, Economic Affairs, Planning and Social Security**  
Attn: Project Coordinator  
**5<sup>th</sup> Level, Conway Business Centre**  
**Waterfront, Castries**  
**Saint Lucia**  
Tel: 758-468-2413  
Fax: **758-453-0417**  
E-mail: [slupcu@gosl.gov.lc](mailto:slupcu@gosl.gov.lc)  
**Website: [www.finance.gov.lc](http://www.finance.gov.lc)**