REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES – FIRMS SELECTION)
SAINT VINCENT AND THE GRENADINES (SVG)
BERYL EMERGENCY RESILIENT RECOVERY PROJECT (BERRy)
(IDA 76430)

Assignment Title: Design and construction supervision for the Rehabilitation of the Bequia Fisheries Wharf and Sea Defense

Reference No. SVG-BERRY-CS-QCBS-01

The Government of Saint Vincent and the Grenadines (GoSVG) has received financing from the World Bank toward the cost of the Beryl Emergency Resilient Recovery Project and it intends to apply part of the proceeds for consulting services for the design and supervision consultancy for the *Design and Construction Supervision for the Rehabilitation of the Bequia Fisheries Wharf and Sea Defense.*

The consulting services ("the Services") include the following:

1. A detailed engineering assessment of current port side facilities (wharf and patio).
2. Detailed designs for the approved interventions.
3. An environmental assessment in accordance with World Bank requirements that compares and presents the anticipated impacts associated with feasible engineering control options identified.
4. The provision all technical documentation required to support the procurement of a construction contractor to complete the required works.
5. The supervision of repair and rehabilitation activities as well as supervision of the construction of sea defenses.

The duration of this consultancy is estimated to be 30 months (12 months for the design phase and 18 months for the supervision phase).

The Terms of Reference (TOR) for the assignment is attached to this request for expressions of interest.

The Ministry of Finance, Economic Planning and Private Sector Development now invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested consultants must provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are:

1. Firms should have proven expertise in coastal engineering, hydrodynamics, and structural design for marine infrastructure.
2. At least seven (7) years' experience in delivering projects of similar scope (involving sea walls, breakwaters, wharf rehabilitation, dredging).

Key Experts will not be evaluated at this shortlisting stage.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" 5th Edition September 2023 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest. In addition, consultants shall refer to the requirements on conflict of interest related to this assignment as per paragraph 3.17 of the Procurement Regulations.

Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

A Consultant will be selected in accordance with the Consultant's Quality and Cost Based Selection (QCBS) method set out in the Procurement Regulations.

Further information can be obtained at the address below during office hours 9:00am to 4:00pm EST.

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 **16:00 hours** (or 4:00pm SVG time) **February 27, 2026**.

Attn: Recardo Frederick

Director of Economic Planning
Economic Planning Division
Ministry of Finance, Economic Planning and Private Sector Development
First Floor, Administrative Building
Bay Street
Kingstown
Saint Vincent and the Grenadines

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Appendix 1 – Terms of Reference for consultancy

ST. VINCENT & THE GRENADINES - BERYL EMERGENCY RESILIENT RECOVERY PROJECT (BERRy)

Design and construction supervision for the Rehabilitation of the Bequia Fisheries Wharf and Sea Defense

BERYL EMERGENCY RESILIENT RECOVERY PROJECT (BERRy)

Terms of Reference

ANALYSIS AND DESIGN FOR THE REHABILITATION OF THE WHARF AND SEA DEFENSE AT THE BEQUIA FISHERIES CENTRE

Ministry of Finance, Economic Planning and Private Sector Development
Economic Planning Division
Kingstown
Saint Vincent and the Grenadines

February 2026

1. Introduction

The island of Bequia is located approximately 15 Km southeast of Kingstown Saint Vincent with an estimated population of about 5,300 persons. The economy is largely tourism driven but there is a robust artisanal fishing community currently focused on harvesting of conch, some finfish and lobster. A fisheries centre was constructed in 1996 under a program funded by the Japanese International Cooperation Agency (JICA) which was refitted in 2005 by the government of Saint Vincent and the Grenadines (GoSVG) to upgrade the facility to comply with international requirements for the exportation of fish and fishery products. Port side facilities include a large wharf/patio area bounded to the north by a riprap jetty and to the south a pier which is no longer functional. The port is exposed to open water and long fetch wave action.

Over the past several years, the fisheries centre coastal zone has been impacted by recurrent wave action and most recently was significantly damaged by wave action resulting from the passage of Hurricane Beryl, July 2024. This resulted in severe damages to the landing pavement and platform wharf area where the concrete patio was undercut, uplifted and broken due to storm driven wave action.

2. Description of the Study Area

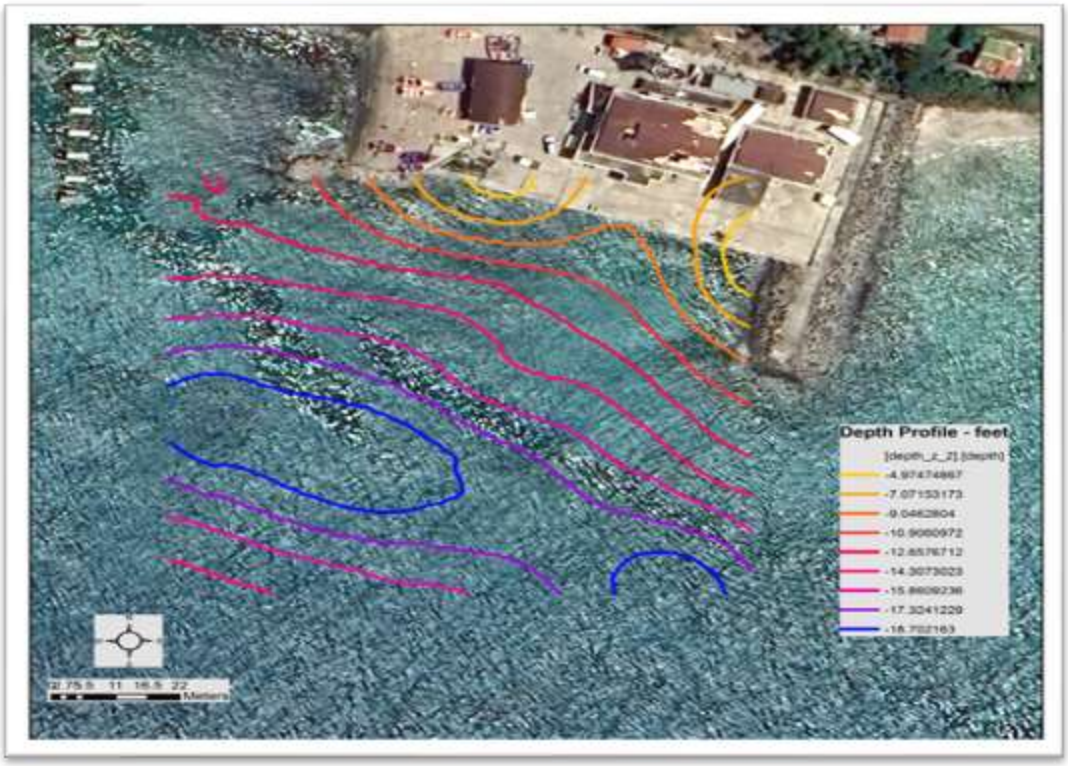
Generally, the fisheries complex is located along the southern coast of Bequia. The complex consists of 5 buildings located on the site, with a wharf area of approximately 3 X 70 meters in the form of a reinforced concrete patio area. The wharf is a landing site for small fishing vessels, generally skiff type, powered by a single outboard engine. Fishermen pull alongside and manually off load their catch for processing at the facility. As shown in figure 1, the complex is bordered to the east by a 70-meter groin jetty constructed of natural rock. The jetty extends seaward some 25 meters from the wharf to protect the harbor area. The facility is exposed to long fetch, open Atlantic wave action, which can be particularly severe during tropical storms and hurricanes. Based on interviews with local fishermen, wave heights in excess of 5 meters have been anecdotally observed in the area.

Apart from portside loading operations, the wharf and patio area are used by vehicular traffic including cars, light trucks and intermittent container traffic.

In order to establish the feasibility of off shore sea defenses, a rapid bathymetry survey was conducted of the port area and its approaches. Twenty depth samples were taken using a measuring tape and GPS to develop provisional depth contours of the study area. Depths obtained were modeled using ArcGIS Kriging analysis to produce contours of the bottom profile. These are presented in figure 2. Based on this analysis, depths within 100 meters from the wharf are modeled to be less than 6 meters; ranging from 1 meter at dockside to 5.5 meters at the 100-meter distance. This analysis was conducted simply to verify that potential sea defense solutions were within the realm of possibility.

Figure 1 – Layout of Bequia Fisheries Complex

Figure 2 – The Depth Profile at the Bequia Fisheries Centre



3. Objective

The objective of this consultancy is to produce designs to rehabilitate and construct the facilities wharf and patio complex and improve its resilience to intense wave action with advanced onshore design and the potential addition of sea defenses to improve port protection. As a guide, the desired design life of the facility is 50 years.

4. Scope

Designs under this study are focused on the port side infrastructure of the Bequia Fisheries Complex. Analysis with respect to potential sea defenses will include the mitigation of potential negative off-site impacts particularly with respect to coastal erosion and sand transport. In addition to the wharf area, the designs will include potential modifications to the adjacent patio area as it approaches the processing complex to improve system resilience to wave action and storm surge. Designs will include consideration for vehicular traffic including container and medium truck transport. Improvements envisioned include resilient design of the wharf/patio area as well as the construction of a complementary sea defense system. Any sea defense must maintain an open access to the port from either side and promote the regular flushing of the port area. Additionally, sea defense systems must consider the potential for increased sedimentation of the port area and potential access for larger vessels which may be used to transfer cargo to and from the port.

This contract consists of two phases. Phase I includes the engineering analysis and design of the port facility. Phase II includes the supervision of construction operations and preparation of as built designs for the refurbished facility.

Contract Level Reporting

During the execution of this contract, the contractor shall provide the following reports in accordance with the schedule provided. Specifically:

1. *Report: Inception report and work plan*
   Report to present contractor work plan, activities schedule and activities requiring participation of MoA and the MoFEP-PIU during contract execution.

   Schedule: 1 week from receipt of registration of contract, 2 copies electronic and 4 printed copies.

2. *Task Level Deliverables*: In accordance with the requirements presented in the task descriptions.

3. *Report*: Issues affecting contract execution
   Contractor shall any significant issues encountered that may affect contractor performance or delivery schedules.

   Schedule: As needed report within 1 day of identification of significant issues

4. *Report: Record of Meetings:* The contractor shall maintain a record of all meetings taken during the execution of this contract. Report shall include a summary of meeting activities and discussions including issues addressed and agreed actions, assignment of agreed responsibilities and timeline, List of attendees, affiliation, and contact information

   Schedule: As needed report within 2 days of meeting.

5. *Report*: Contract final report, Summary and findings
Prior to contract closing, the consultant shall prepare a comprehensive closing report summarizing findings and recommendations developed during contract execution.

PHASE I, ENGINEERING ANALYSIS AND DESIGN

Description of Tasks

4.1. Task 1 – Data collection and Baseline Modeling

Under this task, the contractor shall collect and analyze relevant data to support modeling of coastal dynamics with respect to the port, wharf, potential sea defenses and land-based influences that contribute to coastal erosion and retreat of the sea water after storm surges. This analysis shall consider the existing coastal hydrodynamics, current sediment transport regimes and wave dynamics as they affect the construction site and adjacent coastal areas that are seldomly impacted. The analysis shall include consideration of for extreme events including storm surge, wave action, effects of currents on coastal stability and impacts to constructed interventions. Modeling will be accomplished using an internationally recognized modeling system as approved by the GoSVG.

Among the activities to be included in this task are:

- Minimum 3 months of data collection, characterizing coastal hydrodynamics and sediment transport – e.g. wave activity, current profiles, sediment transport erosion and deposition, bathymetry, physical and biological characteristics and related information required to support modeling activities and environmental management.
- Collection of bathymetric profile and geotechnical and local survey elevation data
- Identification of coastal sediment transport regimes
- Modeling of coastal processes particularly with respect to wave action and storm surges, based on field observations and scenarios relating to a 50-year sea level rise and 100-year return period.
- Identification of physical and biological systems that may be affected by coastal interventions.
- Coastal Water quality data including: Turbidity, Conductivity, Chloride, Ammonium, Nitrate, Phosphorus, pH, Dissolved Oxygen, Total Suspended Solids, Faecal coliforms, *E. coli*, and Intestinal enterococci.
- Wave interaction based on existing bathymetric profile and energy impacts to the wharf structure.
- Other information as may be required to support the modeling and analysis

4.1.1. Data Collection and Work Plan

Project Work Plan

Within 2 weeks of contract signing, the contractor shall submit a detailed work plan outlining the contractor's approach and schedule for the completion of tasks under this contract.

Data collection plan

At the onset of this task, the contractor shall work closely with the Fisheries Division in the Ministry of Agriculture, Forestry, Fisheries, Rural Transformation, Industry & Labour (MoA) to collect existing data and previous studies supporting the coastal analysis. Based on these findings, the contractor shall prepare a project data collection plan including detailed data collection requirements. The data collection plan shall detail the specific data to be collected, methodology to be employed and a minimum timeframe required to compile a relevant dataset to support subsequent modeling and analysis. Data collection shall anticipate the possibility of seasonal behaviors that may affect the modeling analysis and the quality of the engineering baseline with respect to the analysis. Data shall be collected so as to support the development of specific engineering design options and shall be sufficiently robust to allow the evaluation of consequential impacts to associated coastal systems. This is to avoid unintended negative impacts to physical and biological systems.

Once completed, the contractor shall prepare and submit a data collection plan to the Project Implementation Unit (PIU).

4.1.2. Archiving and Distribution of Data

All data collected shall be provided in a digital format to the PIU and the MoA, in both raw and processed form. Datasets shall be provided with adequate documentation describing type of data, format, collection parameters, gaps and limitations. In the case of geospatial data, the contractor shall prepare appropriate -metadata files consistent with internationally accepted practices.

4.1.3. Bathymetric Data

Bathymetric data shall be referenced against the local vertical datum and horizontally referenced against the WGS 84 datum UTM projection zone 21. Both raw data and processed data shall be provided to MoA and PIU. Processed data shall be provided in a digital bathymetric format based on a 1-meter grid spacing in a format compatible with ESRI Grid, DEM, or other compatible raster format, suitable for use in an ARCGIS platform. Bathymetric data shall be documented and should include: collection method, parameters, errors of scale and data gaps and analysis methods applied, as well as other relevant information needed to reflect the quality and utility of the dataset. A metadata file shall be provided with delivered bathymetric models.

4.1.4. Water Quality Data

Water quality data is to be collected at representative locations within the study site, this will provide a baseline for monitoring future changes in the system resulting from stabilization interventions and potential for future development activity. A minimum of three (3) samples will be collected from a minimum of three (3) representative locations in the study area. These samples will be collected during the data collection program. The timing of the sample collection shall be determined based on the contractor's data collection plan and shall be designed to represent any significant temporal variation in local conditions anticipated during this phase.

4.1.5. Other Data

All other data collected shall be provided in both raw and processed form in a digital format with appropriate descriptive documentation, which shall include instrument type or data source, together with a description of variables represented, method acquisition and other relevant information.

4.1.6. Baseline Modeling

On completion of the data collection program, the contractor shall model the coastal processes using internationally recognized software, approved by the PIU, to assess the current behavior of the coastal zone with respect to erosion/depositional dynamics, coastal energies, and other relevant coastal zone interactions. Once calibrated, models developed will be used to characterize extreme forces anticipated in the area based on 100-year return period, for wave height, storm surge, and anticipated sea level rise. It is anticipated that there may be insufficient local data to actually calculate this return period using accepted methodologies. In this event, the contractor shall provide engineering estimates based on best practices, local experience and regional experiences as agreed to with the PIU and MoA. Baseline modeling shall be designed to benchmark the current system with respect to hydrodynamic behaviors, in order to provide a foundation for the development and evaluation of potential engineering interventions.

Task 1 Deliverables

- *Detailed work plan* – Within 2 weeks of contract signing, the contractor shall submit a detailed work plan outlining the contractor's approach and schedule, from the completion of tasks under this contract. Three (3) printed copies and in electronic format.

- *Data Collection Plan* – Within 30 days of contract signing. This plan shall detail the field sampling and analysis plan, proposed calendar for project execution. Three (3) printed copies and in electronic format.

- *Task 1 Report* – Delivered according to approved work plan. This report shall detail contactor activities and findings completed under task 1. Report shall include a review of contractor activities, data collection and methodologies employed, review of modeling activities and findings, a quality assessment of modeling results, data gaps and limitations and other relevant contractor observations. Three (3) printed copies and in electronic format.

- *Data and Data description* – Delivered according to approved work plan. At the conclusion of this task, the contractor shall deliver a report describing the rational for selection of data requirements, data collected, and collection methodologies with equipment descriptions. Datasets shall be provided in both raw instrument formats and processed formats. This report shall be sufficiently comprehensive so as to allow replication of the methodology and shall serve as a resource guide for future coastal engineering exercises. Three (3) printed copies and in electronic format.

- *Bathymetric map* – Delivered according to approved work plan. The contractor shall include in the data report the methodologies and procedures used to develop bathymetric data. The map and all supporting raw data as well as reduced X, Y, Z data shall be delivered with the bathymetric map prepared under this task. This map shall be presented in a raster format suitable for use in ARCGIS (DEM, ESRI grid), geo referenced against WGS84, UTM zone 21 horizontally, and referenced against the SVG Vertical Datum. Deliverables shall include metadata, datafiles and prepared raster images. Three (3) copies in electronic format.

4.2. Task 2 - Engineering Options and Feasibility Evaluation

Coastal Water Quality

The Contractor shall examine both the physical behavior and the potential changes to the near shore water quality of the proposed interventions. The surface discharges from existing systems and the impacts of storm water discharges from the fisheries complex should also be taken into consideration.

4.2.1. Engineering Control Options

Once the coastal zone baseline and model have been established, the contractor shall identify and evaluate potential interventions with respect to wharf and port protection.

Based on accepted engineering standards and contractor professional judgment, the contractor shall work closely with MoA to identify probable failure mechanisms and potential interventions or combinations of interventions that will serve to protect the target site from damaging effects of wave action and storm surge. Interventions will include resilient wharf design and may include the addition of a sea defense structure. Consideration must also be given to current land use activities and coastal marine resource health, particularly with respect to water quality and fisheries production.

The contractor shall model and evaluate the performance of the proposed engineering design for sea defense and structural wharf modifications based the scenarios established under task 1, and identify and propose alternatives based on modeled findings and engineering experience. Modeling evaluations will include the effects of overtopping events on the proposed structures and affected land areas.

Once candidate alternatives have been identified, the contractor shall model the impacts of these strategies with respect to the 100-year return period.

Current structural assessment and failure analysis

Under this task, the consultant shall conduct a detailed engineering assessment of current port side facilities (wharf and patio) and identify factors relating to the current structural failures as well as design vulnerabilities which could result in future failure based on the information gathered under task 1. The consultant shall review the "as built" plans provided by the GoSVG and prepare recommendations for design and construction improvements to be considered for the mitigation damage to the fisheries port complex over the desired 50-year design life. On presentation of options, the contractor shall detail the benefits and limitations associated with the strategies identified in a manner that permits a clear comparison and evaluation of attributes associated with each option.

In addition to port side repairs and improvements, the consultant shall evaluate the potential utility of off shore protection systems such as breakwaters that would significantly improve the resilience of port side facilities to achieve the desired design life of the facility.

Once suitable options have been identified and analyzed, the contractor shall provide general cost estimates for the implementation of feasible options to be used as a basis for further development.

Finally, as requested by MoA, the contractor shall provide up to two days for public consultations and or presentations to discuss their findings. These presentations shall be scheduled together with the contractor by MoA

Based on this evaluation, the PIU and MoA shall select and approve the interventions to be developed during the design phase of this project.

Task 2 Deliverables

- *Task 2 report* – Delivered according to approved work plan. Shall include a detailed presentation of contractor findings and methodologies applied in the execution of task activities. The report shall document modeling approach, findings, results, quality assessment as well anticipated impacts of planned development and engineering options.
  Three (3) copies printed and in electronic format.

- *Sea defense Intervention Options* - Delivered according to approved work plan. Under a separate cover, the contractor shall present interventions options with observations and recommendations in a format suitable for distribution to decision makers. The report shall clearly detail the advantages and disadvantages of each of the control options identified and will provide cost estimates and general construction considerations for each option in a manner that is easily compared to facilitate the decision process.
  Five (5) copies printed and in electronic format.

- *Data and Data description* – Delivered according to approved work plan. At the conclusion of this task, the contractor shall deliver a report describing the rational for selection of data requirements, data collected, and collection methodologies with equipment descriptions. Datasets shall be provided in both raw instrument formats and processed format. This report shall be sufficiently comprehensive so as to allow for the replication of the methodology and shall serve as a resource guide for future coastal engineering exercises.
  Three (3) copies in electronic format.

4.3. Task 3 - Engineering Designs

Based on the findings of task 2, the consultant shall prepare detailed designs for the approved interventions. These designs will include a detailed description and schedule of the required demolition and construction activities.

For the purposes of this task, repair and rehabilitation of the existing structures and sea defense designs shall be treated as separate activities depending on the decisions taken under task 2. This will be reflected in the presentation of costs associated with this project.

Draft Designs

The consultant shall prepare comprehensive draft designs for all approved interventions to include detailed drawings, description of required works, and a draft priced bill of quantities. This will include the construction of appropriate sea defenses if required. Draft designs will be delivered to the PIU within 90 days from approval of the options prepared under task 2. GoSVG will provide comments to the draft design within 3 weeks of receipt of the draft design package.

Final Designs

Within 4 weeks of receipt of comments to the draft designs, the consultant shall deliver the final design package for inclusion in the bidding documents for the construction phase contract. This package will provide the technical for all construction interventions to be used by potential bidders during the bidding process.

Task 3 Deliverables

- Draft designs - within 90 days from approval of the options prepared under task 2.

- Final Designs - within 90 days from receipt of comments on draft designs.

4.4. Task 4 – Environmental Assessment

On completion of task 2, the contractor shall prepare an environmental assessment in accordance with World Bank requirements that compares and presents the anticipated impacts associated with feasible engineering control options identified. This report shall be concise and prepared in accordance with the guidance outline provided in Annex 1, and will serve as a guiding document for follow-on designs to be produced. The Environmental Assessment (EA) shall be written in a manner that is easily understood by the general public. Technical supporting data may be included as annexes to the report; however, the assessment shall be prepared in a manner that clearly conveys the decision options without the need to refer to the technical data. Ideally, the EA report will not exceed 35 pages exclusive of annexes.

The contractor shall provide an initial draft EA for comment by MoA and the PIU. GoSVG shall have 2 weeks to provide comments. The contractor shall incorporate comments received and prepare a draft EA for public comment to be published by the PIU pursuant to Bank safeguard policy and national requirements. During a period of 3 weeks following delivery of the draft for public comment, the contractor shall advertise and conduct 2 public meetings in Bequia area presenting the findings of the EA and soliciting comments. A record of these meetings shall be kept and comments received shall be documented and incorporated in the Final Environmental Assessment. At the conclusion of the 3week meeting period, the contractor shall have 2 weeks to incorporate comments received and shall deliver the Final Environmental Assessment to the PIU.

Task 4 Deliverables

- Draft Environmental Assessment - Delivered according to approved work plan.
  Three (3) copies printed and in electronic format.

- Draft EA for Public Comment - Delivered according to approved work plan.
  Fifteen (15) copies printed and in electronic format.

  Final Environmental Assessment - Delivered according to approved work plan
  Three (3) copies printed and in electronic format.

4.5. Task 5 - Bid documentation and Procurement Support

The Consultant shall prepare the bidding documents. The Client will assist in the preparation of the bidding document: The Consultant will also:

- Provide advice to the Client during the procurement process
- Assistance with preparing bid invitation
- Attend the pre-bid site meeting
- Assistance with preparing clarifications on queries received from the bidders
- Assistance with preparation of the bid evaluation report and recommendation for contract award in accordance with Bank's procurement guidelines.

Task 4 – QUALIFICATIONS

The Consultant must show expertise in the following areas:

- At least 7 years demonstrated experience in delivering projects of similar scope.
- Proven expertise in coastal and marine engineering analysis
- The Consultant must have a team comprised of the following:

1. Project Manager (*Team Leader*)
   - Degree in Civil/Marine Engineering or Project Management.
   - A minimum of 10 years of experience in managing large infrastructure projects.
   - Coordinates multidisciplinary team, manages timelines, stakeholder engagement, and reporting.
   - Ensures smooth delivery of consultancy services.

2. Coastal / Marine Engineer
   - Masters in Coastal Engineering/ Marine Engineering, or Civil Engineering with coastal specialization.
   - A minimum of 7 years experience in coastal infrastructure design and modelling
   - Lead technical expert responsible for overall engineering analysis, coastal modelling, design development, and technical quality assurance.
   - Proven experience in small-island coastal systems

3. Structural / Civil Engineer (Wharf & Port Infrastructure Specialist)
   - A minimum of 5 years experience in marine structures, port facilities, and heavy-duty pavements.
   - Lead structural assessment and design of wharf, patio, and port-side infrastructure.
   - Conduct structural failure analysis of existing wharf and patio.
   - Design reinforced concrete wharf, pavement, and load-bearing structures for vehicle and container traffic.
   - Supervise structural works during construction.

4. Environmental Scientist/Marine Ecologist

   - A minimum of 5 years experience environmental studies and investigation. Experience in marine structures and port facilities will be a plus
   - Conducts Environmental Impact Assessments (EIA), biodiversity surveys, and mitigation planning.
   - Familiarity with mitigation measures for dredging, habitat protection, and climate resilience.

5. Health & Safety Specialist

   - A minimum of 5 years experience within construction or maritime projects
   - Experience in rehabilitation works (e.g., repairing wharves, breakwaters, and sea walls)
   - Incident investigation and emergency response planning for marine and coastal works.

6. Site Engineer (*Construction Supervision Phase*)

   - Full-time site supervision during construction.
     Civil/Structural Engineer with a minimum of years construction supervision experience
   - Oversee daily construction activities.

- Ensure compliance with drawings, specifications, and EMP.
- Monitor concrete pours, materials testing, and QA/QC.
- Maintain site records and prepare monthly reports.

7. Quantity Surveyor / Cost Engineer

- Prepare cost estimates, bills of quantities, and financial planning.
- Degree/ Diploma in Quantity Surveying or Construction Economics with a minimum of 5 years of experience infrastructure projects.
- Knowledge of FIDIC or similar contract frameworks.

DURATION AND REPORTING

The consultancy is expected to complete the assignment within 12 months from the date of contract signing. All reports shall be submitted to the PIU at the Economic Planning Division and regular progress meetings will be held to review outputs.

PHASE 2: Construction Supervision

Note: Construction supervision shall include supervision of repair and rehabilitation activities as well as supervision of the construction of sea defenses. Cost estimates for supervision of the repair and rehabilitation construction shall be presented separately from that of the construction of sea defenses.

Task 2.1 - Construction Supervision

Supervision activities will be scheduled based on the approved work plan submitted by the construction contractor and include:

a. Advising the Contractor on the interpretation of the drawings and technical specifications and issue supplementary details and instructions during the construction period, as required;

b. Reviewing the Contractor's construction schedule and commenting on the procedures, methods and sequence of the works;

c. Reviewing working drawings and ensuring the preparation of final as-built drawings;

d. Writing the supervision monthly progress reports and making comments on the physical and financial progress achieved during the month;

e. Review the contractor's monthly progress reports, make comments and recommend any appropriate action as required.

f. Considering and advising on alternative methods, equipment and materials proposed by the Contractor;

g. Advising on the validity of charges for additions or deletions to the contract and on the issuing of change orders;

h. Processing Contractor's interim and final payments and prepare progress certificates for the Client's acceptance;

i. Maintaining detailed records related to the contracts;

j. Arranging and chairing regular site meetings and recording and reporting on the proceedings;

k. Providing advice to the Client during construction on planning and scheduling, budgeting, estimating, and cost and quality control;

l. Establish, monitor and enforce quality assurance/quality control procedures on contracts.

Resident Services During Construction – the Consultant will be required to:

a. Provide full-time resident staff services during construction. This will comprise of at least one (1) Engineer and one (1) Clerk of Works;

b. Ensure that the Contractor is carrying out the work in accordance with the contract documents and communicate with the Contractor and the Client regarding deficiencies in the work and other matters of direct interest or concern;

c. Provide inspections at key points of the construction phase to include concrete constructions, masonry, carpentry, electrical and plumbing installations to ensure conformance with construction code requirements and quality workmanship.

d. Monitor and report on the Contractor's compliance with the Environmental Management Plan (EMP);

e. Arrange for all necessary field testing and inspection and provide approvals of materials installed in accordance with test results;

f. Monitor all concrete pours;

g. Investigate and report on all unusual circumstances that may arise during construction;

h. Carry out a final inspection at the conclusion of the construction contract as part of the acceptance program of the Client;

i. Obtain field information of construction details from the contractor, for the modification of contract drawings by the Consultant to show the work "as-built";

j. Provide comprehensive report and recommendation on any claim/dispute arising out of the contract; advise the Client throughout the mediation, adjudication and arbitration process during the currency of the contract.

Task 2.2 - Post Construction Services

Note: Cost estimates for post construction services shall be presented as separate costs associated with repair and rehabilitation construction and the construction of sea defenses.

a) Prepare the "as-built" drawings of the works.

b) The Consultant shall visit the site at least twice during the defects and liability period to determine deficiencies during the contract defects liability period, issue written instructions regarding repairs, monitor

the rectification of deficiencies, and prepare final acceptance documentation at the expiration of the defect liability period.

c) Prepare a Project Completion Report on the construction contract, including as-built drawings and any useful lessons learned from the construction experience.

Annex 1

Guidance Outline

Environmental Assessment

The report will include as minimum the following sections and other additions as needed. The body EA report should be written in a concise and organized manner that can be readily understood by the general public and should, as a guide not exceed 35 pages excluding annexes. Annexes may be used to provide scientific and technical detail as needed to support the body report.

1. **Cover page -** (*indicating the name of the country and the project name)*
2. **Table of contents**
3. **List of acronyms**
4. **Executive Summary -** *(not more than 2 pages)*
5. **Description of the Project and Presentation of Alternatives –** (*Including the no action alternative which serves to present the existing situation and clearly identifying the preferred option)*
    - **Purpose and Scope of the Project**
    - **No Action Alternative**
    - **Alternative 1**
    - **Alternative 2 etc.**

6. **Legal Framework –** (*national laws and regulations* r*elevant to Project activities)*
7. **Description of the Existing Environment –** (r*elevant to Project activities)*
    - ***Biological (including national or internationally recognized endangered species)***
    - ***Physical***
    - ***Socioeconomic***
8. **Analysis of Impacts**
    - ***Biological***
    - ***Physical***
    - ***Socioeconomic***
9. **Mitigation Analysis**
10. **Comparison of Options**
11. **Record of consultations**
12. **List of Preparers**
13. **References**
14. **Technical Annexes**

Annex 2

Evaluation Criteria

Note:

Proposals will be evaluated based on the weighted criteria below. A minimum technical score threshold of 70% must be achieved before financial proposals are reviewed.

1. Technical Expertise (40%)

- Demonstrated experience in coastal engineering and port infrastructure projects.
- Quality and relevance of proposed methodology.
- Understanding of local conditions and challenges.
- Innovation and sustainability in proposed solutions.

2. Team Composition & Qualifications (25%)

- Availability of key experts: Project Manager, Coastal Engineer, Structural Engineer, Environmental Scientist/Marine Ecologist, Quantity Surveyor, Health & Safety Specialist.
- Academic and professional qualifications of team members.
- Relevant experience of individual experts in similar projects.

3. Past Performance & Experience (20%)

- Track record of successfully completed sea defense and wharf rehabilitation projects.
- Evidence of delivering projects on time and within budget.

4. Financial Proposal (15%)

- Competitiveness and transparency of cost estimates.
- Clarity of financial breakdown.
- Value for money offered.