


## PPCR IN JAMAICA PHASE I

JA-T1068

### CERTIFICATION

I hereby certify that this operation was approved for financing under the IDB Strategic Climate Fund (SCX) through an email from Guadalupe M. Calderon (VPC/GCM) dated May 2, 2011. Also, I certify that resources from the IDB Strategic Climate Fund (SCX) will be available for up to US\$507,000 in order to finance the activities described and budgeted in this document as per Letter of Commitment dated April 14, 2011 from CTF Trustee. This certification reserves resources for the referenced project for a period of 11 (eleven) calendar months counted from the date of signature below. If the project is not approved by the IDB within that period, the reserve of resources will be cancelled, except in the case a new certification is granted. The commitment and disbursement of these resources shall be made only by the Bank in U.S. dollars. The same currency shall be used to stipulate the remuneration and payments to consultants, except in the case of local consultants working in their own borrowing member country who shall have their remuneration defined and paid in the currency of such country. No resources of the Fund shall be made available to cover amounts greater than the amount certified herein above for the implementation of this operation. Amounts greater than the certified amount may arise from commitments on contracts denominated in a currency other than the Fund currency, resulting in currency exchange rate differences, for which the Fund is not at risk.



 Marguerite S. Berger  
Chief

Grants and Co-financing Management Unit  
VPC/GCM

May 18, 2011  
Date

### APPROVAL

Approved :



Alexandre Meira Rosa  
Sector Manager  
Infrastructure and Environment Sector  
INE/INE

May 23, 2011  
Date



# Knowledge and Capacity Building Products (KCP) Proposal

## Policy and Capacity Development

### I. General Information

**KCP Title:** PPCR in Jamaica Phase I

**OPUS Number:** JA-T1068 **Date of Proposal:** 4/15/2011 **Linked to project:**

**Team Leader / Unit:** ALLENG, GERARD P. - INE/ECC

**Peer Reviewer 1:** NETTO DE A. C. SCHNEIDER, MARIA E.

**Peer Reviewer 2:** BOULET, EMMANUEL ANDRE

#### Joint Proposal:

**Proposed amount, without counterpart** in USD equivalent (enter whole number only):

**USD507,000**

Must match total of budget table on section VI, and of OPUS

**Proposed amount including counterpart** (if applicable) in USD equivalent: **USD534,000**

**Proposed Fund:** SCX (Strategic Climate Fund)

**Unit of Technical Responsibility:** INE/ECC

**Unit of Disbursement Responsibility:** CJA

**Execution:** **Letters of Request available** (or equivalent) **Non-objection available:**

Recipient

Yes

No

**Doc# (IDBdocs):** 35954848

**Doc# (IDBdocs):**

**Execution period:**  
8 months

**Disbursement period:**  
10 months

**Required Start Date:**  
4/29/2011

**Executing Agency:** PLANNING INSTITUTE OF JAMAICA

#### Executing Agency description and capacity:

The Planning Institute of Jamaica (PIOJ) will have the overall execution responsibility for the KCP. Resources from the KCP will fund a project coordinator to ensure that the KCP is executed on time and in line with the results framework for Phase 1 activities.

Resources from the KCP will also support the project's administrative and fiduciary activities.

**Country of Origin of Executing Agency:** Jamaica

**Contact in the Executing Agency:** Claire Bernard

**E-mail address:** Claire\_Bernard@pioj.gov.jm

**Beneficiary Countries:** JAMAICA

**Beneficiary entity:** Planning Institute of Jamaica

**Sector:** ENVIRONMENT AND NATURAL DISASTERS



# Knowledge and Capacity Building Products (KCP) Proposal

## Policy and Capacity Development

### II. KCP Type

#### Originated in Client.

KCP is the result of clients' demands. The client may require to address a current public discussion, an advice to draft a law or a regulation, support for policy analysis and formulation, a capacity improvement for the execution of a recently approved program, an analysis of a public policy or private sector problem, or generate consensus around a specific issue.

#### Scope

Short term purpose: Demand for this KCP has an immediate, short-term scope possibly drawing from knowledge and experience that is readily available.

### III. Alignment of the KCP proposal with IDB's Institutional Priorities (GCI9).

(5) - Protecting the Environment and Responding to Climate Change; - Environment. The KCP is aligned to the Country Strategy for Jamaica 2006 – 2009 (GN2422-1) because of its relevance to reducing vulnerabilities to natural disasters and is also aligned to the upcoming Country Strategy, as it addresses the integration of disaster risk management and climate change adaptation.

3.1 Explain how the knowledge produced with this KCP will be used (policy advice, institutional strengthening, input for programming and strategy, pipeline development, input for other KCPs):

The Bank recently approved the Strategic Climate Fund (SCF) (Document GN- 2604-2) which is one of the two Climate Investment Fund dedicated towards integrating climate change concerns into development. The SCF serves as an overarching fund to support targeted programs with dedicated funding to pilot new approaches with potential for scaled-up, transformational action aimed at a specific climate change challenge or sectoral response. The scope of the SCF is to provide experience and lessons through learning-by-doing, channel new and additional financing for climate change mitigation and adaptation, provide incentives for scaled-up and transformation action in the context of poverty reduction, provide incentives to maintain, restore and enhance carbon-rich natural ecosystems, and maximize the co-benefits of sustainable development. Within the SCF there are 3 programs one of them the Pilot Program for Climate Resilience (PPCR), and is designed to address capacity and resources constraints and climate uncertainty. The PPCR pilots and demonstrates ways to integrate climate risks and resilience with low-income countries' core development planning. The PPCR operates in 2 phases: phase one supports countries to develop a strategic program for climate resilience, including technical assistance to prepare an underlying investment program. Phase two provides financing for implementing the strategic program."

### IV. OBJECTIVES, EXPECTED RESULTS AND ACTIVITIES (Maximum 4 pages)

4.1 Describe the challenge that this KCP addresses (e.g. policy, institutional, technical):

Jamaica as a small island developing state, is faced with a number of climate change / vulnerability issues, the most significant ones include: deficiencies in the existing risk information and risk management framework; inadequate climate data and data management



## Knowledge and Capacity Building Products (KCP) Proposal

### Policy and Capacity Development

systems; inadequate level of knowledge/awareness of the impacts of climate change; unplanned settlement patterns; the degradation of terrestrial and coastal and marine resources; weak institutional legal and regulatory systems to support climate change adaptation, including poor physical planning systems and land use practices; inconsistent enforcement of planning and land use regulations, and institutional coordination. The focus of the PPCR in Jamaica is to help address these issues by developing and implementing a program, the Strategic Program for Climate Resilience (SPCR).

#### 4.2 Describe lessons learned from previous similar KCP: (N/A)

#### 4.3 State the KCP objectives:

The primary objective of the KCP is to help the Government of Jamaica develop Phase I of its Pilot Program for Climate Resilience (PPCR) under the Caribbean PPCR of the Strategic Climate Fund.

#### 4.4 State the KCP expected results:

The KCP will result in the development of a Strategic Program for Climate Resilience (SPCR), which will be centered around initiatives within the thematic areas that have been identified by the Gov of Jamaica through a consultative and participatory process with key stakeholders; they are: (a) Mainstreaming climate change into priority sectors; (b) Facilitating sectoral adaptation measures; (c) Strengthening policy/institutional arrangements; (d) Building capacity for planning and forecasting and; and (e) Climate change education and awareness. An investment Plan identifying priority programs and projects and investment needs in these areas will also be developed.

The programs and projects implemented under the PPCR are country-led, build on National Adaptation Programs of Action (NAPA) and other relevant country studies and strategies. They are strategically aligned with other donor funded activities to provide financing for projects scaled-up adaptation measures, and provide a common platform for development partners to cooperate and harmonize approaches. The output of PPCR Phase 1 is the SPCR, and this initial phase entails a range of tasks, such as: analysis of climate risks, an institutional analysis, knowledge and awareness raising, key capacity building actions, and a consultative planning process to agree on a common vision and strategic approach for climate resilience and to define priority actions and investment needs to implement this approach. Therefore, the KCP main objective is to support the initial tasks under PPCR Phase 1 that will lead to the formulation of the SPCR.

The SPCR will be implemented during the first quarter of 2012.

#### 4.5 Provide a description of the main outputs and related activities expected to be carried out:

##### **The main outputs are:**

1. An up-to-date assessment of the current of knowledge, attitude and practice with respect to climate change;
2. A national climate change communication strategy and increased awareness of climate change risks, especially among the poor and vulnerable, and at the local planning and community levels.

## Policy and Capacity Development

3. A comprehensive SPCR;
4. A climate change data management system;

### The main activities are:

**Activity 1:** Studies and analyses to secure the type of data/information required to inform the development of the SPCR. This includes review of all development policies, plans and regulations to ascertain the extent to which climate change concerns are incorporated; conducting climate change knowledge, attitude and practice survey; and an assessment of the gap in the capacity and the needs of key institutions to implement climate change programs.

**Activity 2:** A climate change data management system, which involves the development of an integrated, automated platform for climate data. The system will consist of the installation of twenty automated stations, which will facilitate the improvement in climate data collection and timely dissemination of climate information as a strategy for Disaster Risk Reduction.

**Activity 3:** Development of a climate change communication strategy and action plan, and implementation of a climate resilience awareness and practice program at various levels and groups within the public and private sectors, as well as at the community level and the general public. Vulnerable communities and groups will be targeted under the program.

**Activity 4:** Development of Jamaica's Strategic Program for Climate Resilience (SPCR) for the period to 2030. The development of the SPCR will occur through a participatory and consensus building process, and also develop related investment proposals as the basis for accessing/leveraging financing. The SPCR will include a monitoring and results management framework and will interface with the activities being carried out under the regional track of the PPCR.

### 4.6 Identify the main audience or expected users of knowledge generated or disseminated by this KCP

The main users of the knowledge generated will be governmental agencies involved in climate change related activities, the private sector especially agriculture and tourism, other donor agencies and multilateral development banks, and civil society groups. Regional organizations will also utilize the information because of the linkage with the regional track of the Caribbean PPCR.

### 4.7 Additional technical information

If necessary, in an appendix please provide further technical details that you consider relevant to evaluate the technical quality of this KCP. Appendix Doc# ( IDBDocs): [35820513](#)

## V. KCPs RESULTS FRAMEWORK. Main Outcomes and Outputs.

### 5.1 Results Matrix:

Please, in the first column fill in each outcome indicator with the relevant outputs. You can use the table of indicators here attached.



# Knowledge and Capacity Building Products (KCP) Proposal

## Policy and Capacity Development

Results Matrix									
Indicator		Baseline		Year 1		Year 2		Expected Completion Date	Data Source
	Unit	Value	Year	Planned	Actual	Planned	Actual		
<b>Number of programs on climate change resilience developed</b>	#	0	2011	1				10/31/2011	<b>CIF documentation</b>
# of SPCRs prepared	#	0	2011	1				10/31/2011	CIF documentation
# of adaptation investment plans prepared	#	0	2011	1				10/31/2011	CIF documentation
# of national climate change communications strategies and action plan developed	#	0	2011	1				10/31/2011	CIF documentation

**Note: Please note that this outcome and output indicators will be the input for the PMR and will be monitored in the Quarterly Business Review.**

## VI. BUDGET (\*):

6.1 Budget should be presented by outputs or groups of outputs (for example: three publications, three conferences, seminars or workshops; one database; one survey; two training courses), and the relevant activities. Total available funds from counterpart sources should be reported. Use whole numbers only.

Costs	Project Cost – IDB Financing					Counter-part Resources	Other Financing
	Year 1			Year 2	Total request		
	Consult.	Travel (consultants only)	Other				
Program Activites 1 - 4	135,000		115,100	0	250,100	15,000	0
• Research and Studies to develop the SPCR	95,000				95,000	6,000	
- KAP Survey	36,000				36,000	3000	
- Climatological Data Assessment and Projections	20,000				20,000		
- Review of Policy, Plans, Legislation and Regulations	39,000				39,000	3000	
• Coordination & Development of the PPCR	30,000				30,000		
- Climate change specialist	30,000				30,000		
• SPCR & Communication Strategy Workshops and Public Awareness Initiatives	10,000		115,100		125,100	9,000	
- Consultant for Communication Strategy	10,000				10,000		
- Workshops and Public awareness initiatives			115,100		115,100	9000	
Goods	114,000	0	0	0	114,000	6,000	0
• Office Equipment	8,000				8,000	6,000	
• Data Management System	106,000				106,000		



## Knowledge and Capacity Building Products (KCP) Proposal

### Policy and Capacity Development

<b>Project Administration</b>	<b>94,000</b>	<b>15,000</b>		<b>0</b>	<b>109,000</b>	<b>6,000</b>	<b>0</b>
• Program Coordinator	64,000	15,000			79,000		
• Administrative and Accounting Support	30,000				30,000	6,000	
<b>Auditing</b>	<b>10,000</b>				<b>10,000</b>		
<b>Contingency</b>	<b>13,900</b>				<b>13,900</b>		
<b>Sub-total in USD</b>	<b>366,900</b>	<b>15,000</b>	<b>115,100</b>	<b>0</b>	<b>497,000</b>	<b>27,000</b>	<b>0</b>
	Monitoring and evaluation				10,000		
<b>TOTAL USD</b>					<b>507,000</b>	<b>27,000</b>	<b>0</b>
Approximate value of in-kind counterpart						27,000	

(\*) More details may be required by donors (e.g. consultant cost per day);

**Financial Management:** The Administrative and Accounting support will be provided by the PIOJ, who will assign personnel for this activity and will be paid an honorarium as compensation for such service.

#### 6.2 Describe the source and type of counterpart resources

In-kind counterpart funding in the amount of USD\$27,000 will come from the Government of Jamaica

#### 6.3 Types of Consultants: Firms or individuals and main activities/outputs:

Type: Individual or Firm (if available)	Nationality (if available)	Estimated Cost in UDS\$	Main Activities / Outputs
Individual	TBD	\$39,000	KAP Survey
Individual	TBD	\$20,000	Climatological Data Assessment and Projections
Individual	TBD	\$42,000	Review of Policy, Plans, Legislation and Regulations
Individual	TBD	\$10,000	Communication Strategy Workshops and Public Awareness Initiatives
Individual	TBD	\$79,000	Program Coordinator
Individual	TBD	\$30,000	Climate Change Specialist

A complete information on the activities and the Procurement of this KCP. Please see the record below: [35794897](#)

Terms of Reference for consultants are provided in Doc#( IDBDocs): [IDBDOCS-#35794938-TORs Jamaica\\_PPCR](#)

#### VII. Bank costs:

For the Bank's internal purposes, please provide information in Bank costs associated with the execution of this KCP:





## Knowledge and Capacity Building Products (KCP) Proposal

### Policy and Capacity Development

#### 7.1 Bank staff participation in KCP:

Staff Name	Bank Unit	FTEs
ALLENG, GERARD P.	INE/ECC	0.1
DUNBAR, GREGORY A.	CCB/CJA	0.05
JIMENEZ MOSQUERA, JAVIER I.	LEG/SGO	0.05
ROGERS, CASSANDRA T.	RND/CBA	0.02
CAYETANO, EVAN STEPHEN	WSA/CJA	0.01
MOLINA, EDWIN MATEO	RND/CJA	0.01
GRUNWALDT, ALFRED HANS	INE/ECC	0.01
WRIGHT, STEFAN C.M.	CFI/CJA	0.01

The following consultants are also part of the KCP team: Valero Freitag, Sara (INE/ECC); Gaensly, Laura (INE/ECC); and Avila, Dianela (INE/ECC).

### VIII. Risks:

Fill-out the KCP's Environmental Screening and Classification using this link to the [Environmental Screening and Classification Toolkit](#). Then save it in IDBDOCS and record its number in the box below (\*): **35830716**

#### 8.1 Implementation Risks:

A major risk will be the lack of capacity at the EA to implement and coordinate the program. This will be mitigated by the hiring of a project coordinator to manage the program.

Another risk to the implementation of the program will be a lack of coordination of the activities of the program by the Steering Committee. This will be mitigated by the hiring of the project coordinator, whose function among other things will be to act as Technical Secretary for the Steering Committee and to ensure that program activities are implemented in a timely manner.

8.2 Please identify key environmental and social risks and impacts, and the strategy to address them: **None**

### IX. Coordination with other MDBs

9.1 Summarize collaboration or coordination with other MDBs, donors and other strategic partners (if any):

The PPCR is a joint MDBs initiative (IDB, World Bank and IFC) that ensures alignment with development strategies, coordination, programmatic approach, and leveraging regional synergies. The development of the PPCR program is strategically aligned with other donor funded activities to provide financing for projects scaled-up adaptation measures, and provide a common platform for development partners to cooperate and harmonize approaches.





## Knowledge and Capacity Building Products (KCP) Proposal

### Policy and Capacity Development

#### **X. Monitoring and evaluation plan.**

Fill-out the KCP's Development Effectiveness Matrix (DEM) using this link to the PCD [DEM template](#). Then save it in IDBDOCS and record its number (\*): **35824403**

10.1 Summarize the basic elements of the Monitoring and Evaluation plan, including key activities and associated budget:

The drafting of the SPCR will be completed by September 2011 and will be submitted to the PPCR Sub-Committee of the Climate Investment Funds (CIF) in October 2011. A final evaluation report will be prepared at the end of program in December 2011. The cost of the evaluation is US\$10,000 and is included in the budget.

A PPCR Steering Committee will be set up in PIOJ and will serve as the main mechanism for the provision of technical advice and oversight to the program management team with responsibility for the implementation of the PPCR. It will seek to ensure that the program is effectively and expeditiously implemented in keeping the agreed goals, objectives, outputs and outcomes. The Steering Committee will be comprised of: Ministry of Finance and the Public Service; Meteorological services, Jamaica; Association of Development Agencies; Environmental Foundation of Jamaica, UWI; Disaster Risk Reduction Centre & The Climate Study Group; Planning Institute of Jamaica; Plan Development Unit & PPCR Focal Point; PANOS; Office of the Prime Minister; Office of Disaster Preparedness and Emergency Management, National Environment and Planning Agency, a private sector umbrella organization.

10.2 Exceptions to Bank policies: None

10.3 Contractual Clauses: None (\*) All documents saved in IDBDocs must have read permissions granted to the group DOCS Users

**DEM Summary for KCPs**

**KCP-DEM is a Yes/No checklist of analytical and informational requirements**

<i>Evaluability</i>	<i>Medium Evaluability</i>
KCP Intervention Logic	6.5
Monitoring	9

**PROGRAM PROCUREMENT PLAN**  
**PPCR IN JAMAICA PHASE I**

**(JA-T1068)**

**General information**

- **Country:** Jamaica
- **Beneficiary:** Planning Institute of Jamaica
- **Executing agency:** Planning Institute of Jamaica
- **Program name:** PPCR In Jamaica Phase I
- **Operation number:** JA-T1068; ATN/\_\_\_\_\_-JA
- **Brief description of the program's objectives and components:**

The general objective of this Program is to fund the Phase I of the Pilot Program for Climate Resilience (PPCR) in Jamaica as part of the Caribbean PPCR. The main outputs and activities are: (i) An up-to-date assessment of the current of knowledge, attitude and practice with respect to climate change; (ii) A national climate change communication strategy and increased awareness of climate change risks, especially among the poor and vulnerable, and at the local planning and community levels; (iii) A comprehensive SPCR; (iv) Strengthened climate change data management system; and (v) A strengthened Sustainable Development and Regional Planning Division of the PIOJ.

- **Estimated date of program approval:** May 2011
- **Estimated date of signature of contract:** May 2011
- **Estimated date of the final disbursement:** February 2012

## A. Introduction

The Program will require procurement for the following: (i) goods for office equipment; (ii) contracting of a consultant to carry out activities identified under the “Climate Change Knowledge, Attitude and Practices (KAP) Survey” component; (iii) contracting of a consultant to undertake activities of the “Climatological Data Assessment and Projections” component; (iv) contracting of a consultant to undertake activities of the “Review of Policy, Plans, Legislation and Regulations” component; (v) contracting of a consultant to carry out activities under the “Development of a climate change communication strategy”; (vi) contracting of a program coordinator and (vii) contracting of a consultant to provide technical input as a “Climate Change Specialist” in the development of the SPCR. The procurement of these services will be carried out in accordance with the IDB’s *Policies for the Selection and Contracting of Consultants Financed by the Inter-American Development Bank* (GN-2350-7), of August 2006 and *Policies for the procurement of Good and Works Financed by the Inter-American Development Bank* (GN-2349-7) of July 2006. The procurement plan is presented in Annex II.

## B. Procurement Plan

The procurement plan for the “PPCR In Jamaica Phase I” covering 8 months of program execution has been agreed between the Bank and the Planning Institute of Jamaica. The plan indicates the procedure to be used for the method of selecting consultants, for each contract or group of contracts. It also indicates cases requiring prequalification; the estimated cost of each contract or group of contracts; the requirement for prior or post review by the Bank; and estimated dates for the publication of specific procurement notices and completion of the contracts included in this program. The procurement plan will be updated semi-annually whenever necessary or as required by the Bank. The procurement plan is available at Bank’s website: [Project Procurement Information](#).

## C. Program Procurement

The following is a general description of the procurement planned for the proposed program:

- **Works procurement:** N/A
- **Goods procurement:** This Project will include the procurement of goods related to the purchase of office equipment and for a data management system
- **Procurement of non-consulting services:** N/A
- **Procurement of consulting services:** Consulting services for the program include:
  - a. A consultant to undertake the Climate Change Knowledge, Attitude and Practices (KAP) Survey” component. The consultant will be selected using the standard procurement procedures of the Bank.
  - b. A consultant to undertake the “Climatological Data Assessment and Projections” component. The consultant will be selected using the standard procurement procedures of the Bank.

- c. A consultant to undertake the “Review of Policy, Plans, Legislation and Regulations” component. The consultant will be selected using the standard procurement procedures of the Bank.
- d. A consultant to undertake the “Climate Change Communication Strategy” component. The consultant will be selected using the standard procurement procedures of the Bank.
- e. The contracting of a program coordinator.
- f. A consultant to provide technical input as a “Climate Change Specialist” in the development of the SPCR. The consultant will be selected using the standard procurement procedures of the Bank

- **Operating expenses: N/A**

Program operating expenses to be financed by the Bank may be contracted using the executing agency’s procedures that have been previously reviewed by the Bank and classified as satisfactory.

- **Others: N/A**

- **Advance contracting and retroactive financing: N/A**

**D. Bank Review of Procurement Decisions**

All contracts will be subject to prior review by the Bank in accordance with Appendix 1 of the *“Policies for the Selection of Consultants financed by the Inter-American Development Bank.”*

## Appendix 1

- **Country:** Jamaica
- **Beneficiary:** Planning Institute of Jamaica
- **Executing agency:** Planning Institute of Jamaica
- **Program name:** PPCR In Jamaica Phase I
- **Operation number:** JA-T1068; ATN/\_\_\_\_\_-JA
- **Brief description of the program's objectives and components:**

The general objective of this Program is to fund the Phase I of the Pilot Program for Climate Resilience (PPCR) in Jamaica as part of the Caribbean PPCR. The main outputs and activities are: (i) An up-to-date assessment of the current of knowledge, attitude and practice with respect to climate change; (ii) A national climate change communication strategy and increased awareness of climate change risks, especially among the poor and vulnerable, and at the local planning and community levels; (iii) A comprehensive SPCR; (iv) Strengthened climate change data management system; and (v) A strengthened Sustainable Development and Regional Planning Division of the PIOJ.
- **Estimated date of program approval:** May 2011
- **Estimated date of signature of contract:** May 2011
- **Estimated date of the final disbursement:** February 2012
- **Address of the executing agency office responsible for the procurement plan:**

Planning Institute of Jamaica  
16 Oxford Road  
Kingston 5  
Jamaica, West Indies

**PPCR IN JAMAICA PHASE I**  
**JA-T1068**

**Period comprised in this Procurement Plan: From May 2011 to December 2011**

Ref. No. <sup>1</sup>	Description of main procurement activities during the next 12 months.	Estimated cost (US\$ thousands)	Procurement method <sup>2</sup>	Review (ex-ante or ex-post)	Source of financing and percentage		Prequalification <sup>3</sup> (Yes/No)	Estimated Dates		Status <sup>4</sup> (pending, in process, awarded, cancelled)	Comments
					IDB %	Local / Other %		Publication of specific procurement notice	Completion of contract		
<b>1</b>	<b>PROCUREMENT OF GOODS</b>	<b>\$120,000</b>									
	Office equipment	\$14,000	PC	Ex-post	\$8,000	\$6,000	No		Q3 2011	Pending	
	Data Management System	\$106,000	PC	Ex-post	\$106,000	-	No		Q3 2011	Pending	
<b>2</b>	<b>CONSULTING SERVICES</b>	<b>\$220,000</b>									
	<b>Consulting Services 1:</b> Research and Studies for the development of the SPCR – <b>KAP Study</b>	\$39,000	QCNI	Ex-post	\$36,000	\$3,000	No		Q3 2011	Pending	
	Description: The consultant will undertake a survey to update the current information of the KAP to climate change in Jamaica, which will be used to build upon the results and bridge gaps identified under the previous KAP survey.										
	<b>Consulting Services 2:</b> Research and Studies for the development of the SPCR – <b>Climatological Data Assessment and Projections</b>	\$20,000	QCNI	Ex-post	\$20,000	-	No		Q3 2011	Pending	
	Description: The consultant will use local data to model future climate change scenarios for Jamaica.										
	<b>Consulting Services 3:</b> Research and Studies for the development of the SPCR – <b>Review of Policy, Plans,</b>	\$42,000	QCNI	Ex-post	\$39,000	\$3,000	No		Q3 2011	Pending	



	<b>legislation &amp; regulations Study</b>										
	Description: The consultant will undertake a review of existing development plans, policies, regulations and legislation have incorporated climate change issues and concerns.										
	<b>Consulting services 4: Climate Change Communications Strategy</b>	\$10,000	QCNI	Ex-post	\$10,000	-	No		Q3 2011	Pending	
	Description: A consultant will design a five-year communication strategy and action plan to support the implementation of the Strategic Program for Climate Resilience (SPCR) as well as improve the level of awareness about the importance of climate change adaptation among target groups; and will organize a series of workshops.										
	<b>Consulting services 5: Program Coordinator</b>	\$79,000	SSS	Ex-ante	\$79,000	-	No		Q4 2011	Pending	
	Description: A consultant will coordinate the development of the SPCR for Jamaica, outlining projects for implementation, design of a framework to access financing for climate resilience and coordinate the development of detailed investment proposals for projects to be implemented under Phase II of the PPCR										
	<b>Consulting services 6: Climate Change Specialist</b>	\$30,000	QCNI	Ex-post	\$30,000	-	No		Q3 2011	Pending	
	Description: A consultant will climate change specialist as needed to provide specialist input in the formulation of the SPCR, implementation of the public awareness initiatives under phase I, and initial implementation of phase II of the PPCR.										
	Auditing	\$10,000	NCB/LC S/CQS	Ex-post	\$10,000	-	No		Q1 2012	Pending	
	Monitoring and evaluation	\$10,000	CQS	Ex-post	\$10,000	-	No		Q1 2012	Pending	

<sup>2</sup> **Goods and Works:** **ICB:** International competitive bidding; **LIB:** limited international bidding; **NCB:** national competitive bidding; **PC:** price comparison; **DC:** direct contracting; **FA:** force account; **PSA:** Procurement through specialized agencies; **PAs:** Procurement agents; **IA:** Inspection agents; **PLFI:** Procurement in loans to financial intermediaries; **BOO/BOT/BOOT:** Build, own, operate/build, operate, transfer/build, own, operate, transfer; **PBP:** Performance-based procurement; **PLGB:** Procurement under loans guaranteed by the Bank; **PCP:** Community participation procurement; **Consulting Firms:** **QCBS:** Quality- and cost-based selection; **QBS:** Quality-based selection; **FBS:** Selection under a fixed budget; **LCS:** Least-cost selection; **CQS:** Selection based on the consultants' qualifications; **SSS:** Single-source selection; **Individual Consultants:** **QCNI:** Selection based on comparison of qualifications of national individual consultants; **QCII:** Selection based on comparison of qualifications of international individual consultants.

<sup>3</sup> Applicable only to Goods and Works in case the new Policies apply. In the case of previous Policies, it is applicable to Goods, Works and Consulting Services.

<sup>4</sup> Column "Status" will be used for retroactive procurement and when updating the procurement plan.

**Administrative and Accounting Support:** Fiduciary and financial arrangements will be provided by the PIOJ for this operation, with an honorarium being provided from Bank resources to fund these activities.

## SAFEGUARD SCREENING FORM

This Report provides a summary of the project classification process and is consistent with Safeguard Screening Form requirements. The printed Report should be attached as an annex to the PP (or equivalent) and sent to ESR.

1. Save as a Word document. 2. Enter additional information in the spaces provided, where applicable. 3. Save new changes.

<b>PROJECT DETAILS</b>	<b>IDB Sector</b>	Environment and Natural Disasters-Air Pollution Ctrl & Climate Change	
	<b>Type of Operation</b>	Technical Cooperation	
	<b>Additional Operation Details</b>		
	<b>Country</b>	JAMAICA	
	<b>Project Status</b>		
	<b>Investment Checklist</b>	Generic Checklist	
	<b>Team Leader</b>	Alleng, Gerard P. (GERARDA@iadb.org)	
	<b>Project Title</b>	PPCR in Jamaica Phase I	
	<b>Project Number</b>	<b>JA-T1068</b>	
	<b>Safeguard Screening Assessor(s)</b>	Alleng, Gerard P. (GERARDA@iadb.org)	
	<b>Assessment Date</b>	2011-04-27	
	<b>Additional Comments</b>		
<b>PROJECT CLASSIFICATION SUMMARY</b>	<b>Project Category:</b>	<b>Override Rating:</b>	<b>Override Justification:</b>
	<b>C</b>		<b>Comments:</b>
	<b>Conditions/ Recommendations</b>	<ul style="list-style-type: none"> <li>No environmental assessment studies or consultations are required for Category "C" operations.</li> <li>Some Category "C" operations may require specific safeguard or monitoring requirements (Policy Directive B.3).Where relevant, these operations will establish safeguard, or monitoring requirements to address environmental and other risks (social, disaster, cultural, health and safety etc.).</li> <li>The Project Team must send the PP (or equivalent) containing the Environmental and Social Strategy (the requirements for an ESS are described in the Environment Policy Guideline: Directive B.3) as well as the Safeguard Policy Filter and Safeguard Screening Form Reports.</li> </ul>	
<b>SUMMARY OF IMPACTS/RISKS AND POTENTIAL SOLUTIONS</b>	<b>Identified Impacts/Risks</b>	<b>Potential Solutions</b>	
<b>ASSESSOR DETAILS</b>	<b>Name of person who completed screening:</b>	Alleng, Gerard P. (GERARDA@iadb.org)	
	<b>Title:</b>		
	<b>Date:</b>	2011-04-27	

## SAFEGUARD POLICY FILTER REPORT

This Report provides guidance for project teams on safeguard policy triggers and should be attached as an annex to the PP (or equivalent) together with the Safeguard Screening Form, and sent to ESR.

1. Save as a Word document.
2. Enter additional information in the spaces provided, where applicable.
3. Save new changes.

<b>PROJECT DETAILS</b>	<b>IDB Sector</b>	Environment And Natural Disasters-Air Pollution Ctrl & Climate Change	
	<b>Type of Operation</b>	Technical Cooperation	
	<b>Additional Operation Details</b>		
	<b>Investment Checklist</b>	Generic Checklist	
	<b>Team Leader</b>	Alleng, Gerard P. (GERARDA@iadb.org)	
	<b>Project Title</b>	PPCR in Jamaica Phase I	
	<b>Project Number</b>	JA-T1068	
	<b>Safeguard Screening Assessor(s)</b>	Alleng, Gerard P. (GERARDA@iadb.org)	
	<b>Assessment Date</b>	2011-03-31	
	<b>Additional Comments</b>		
<b>SAFEGUARD POLICY FILTER RESULTS</b>	<b>Type of Operation</b>	Technical Cooperation	
	<b>Safeguard Policy Items Identified (Yes)</b>	The operation is in compliance with environmental laws and regulations of the country where the operation is being implemented (including national obligations established under ratified Multilateral Environmental Agreements).	(B.02)
		The operation (including associated facilities) will be screened and classified according to their potential environmental impacts.	(B.03)
		The Bank will monitor the executing agency/borrower's compliance with all safeguard requirements stipulated in the loan agreement and project operating or credit regulations.	(B.07)
		Suitable safeguard provisions for procurement of goods and services in Bank financed projects may be incorporated into project-specific loan agreements, operating regulations and bidding documents, as appropriate, to ensure environmentally responsible procurement.	(B.17)
	<b>Potential Safeguard Policy Items(?)</b>	No potential issues identified	

	<b>Recommended Action:</b>	Operation has triggered 1 or more Policy Directives; please refer to appropriate Directive(s). Complete Project Classification Tool. Submit Safeguard Policy Filter Report, PP (or equivalent) and Safeguard Screening Form to ESR.
	<b>Additional Comments:</b>	
<b>ASSESSOR DETAILS</b>	<b>Name of person who completed screening:</b>	Alleng, Gerard P. (GERARDA@iadb.org)
	<b>Title:</b>	
	<b>Date:</b>	2011-03-31

ANNEX A  
TERMS OF REFERENCE  
**Climate Change Knowledge, Attitude and Practices (KAP) Survey**

I. BACKGROUND

- 1.1 Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 3 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, the coastal zone contains an estimated 75% of industries and service sector and is responsible for generating some 90% of GDP. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000)<sup>1</sup>. These could be further threatened by climate change. For example, it is estimated that by 2025 the cost to Jamaica could be 13.9% of GDP, 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100(based on 2004 GDP).
- 1.2 Over the last 25 - 30 years, Jamaica has experienced an increase in the frequency of natural events, primarily floods related to inclement weather, tropical depressions, tropical storms, hurricanes, and droughts. Some of the more recent meteorological events that have severely impacted Jamaica include Hurricane Ivan in 2004, Hurricanes Emily and Dennis in 2005, Hurricane Dean in 2007 and Tropical Storm Gustav in 2008. The adverse impacts included a decline in the health of coral reefs; loss of sea-grass beds; severe beach erosion and loss of forested areas. These impacts resulted in significant social dislocation and monumental economic losses and damage. For instance, in 2004, Hurricane Ivan resulted in damage totaling J\$35 billion while Hurricane Dean in 2007, and Tropical Storm Gustav in 2008 left J\$23 billion and J\$15 billion respectively, in damages<sup>2</sup>.
- 1.3 Based on the most recently available projections for climate change, countries like Jamaica will be severely threatened by the direct and indirect impacts of climate change, most of which are projected to accelerate in the coming decades. Among some of the likely impacts are: increased coastal flooding, storm surge, erosion of hillsides and other coastal hazards – leading to extensive damage to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations. For these reasons, adaptation is critical for a country like Jamaica as failure to implement adaptation measures can only serve to retard the achievement of the country's sustainable development goals under Vision 2030 Jamaica - National Development Plan and the Millennium Development Goals. The attainment of the targets in these two planning frameworks is contingent on effective planning for managing climate change risks.

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1 World Bank. World Development Indicators

2 The data were obtained from impact assessments conducted by the Planning Institute of Jamaica (PIOJ).

1.4 A major challenge faced by Jamaica is the limited capacity to implement adaptation options. This limitation is manifested in weak capacities of national and local institutions; and vulnerable communities to develop and implement adaptation and disaster risk reduction strategies; inadequate tools and systems to plan and implement climate change strategies; and general lack of scientific information to facilitate adaptation planning. This has been exacerbated by the limited suitability of global and regional models currently being used to build climate scenarios.

1.5 Against this background, in May 2009, Jamaica accepted the offer extended by the Sub-Committee of the Pilot Program for Climate Resilience (PPCR) to participate in PPCR, as one of the six countries in the Caribbean regional pilot program. The other five countries are Grenada, St. Vincent, St. Lucia, Dominica, and Haiti. The PPCR aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into core development policies, planning and implementation. The objectives of the PPCR include:

- piloting and demonstrating approaches for integration of climate risk and resilience into development policies and planning;
- strengthening capacities at national levels to integrate climate resilience into development planning;
- scaling-up and leveraging climate resilient investment, building on other on-going initiatives; and
- enabling learning-by-doing and sharing of lessons at country, regional and global levels.

1.6 The activities of the PPCR for Jamaica will culminate in the development of a Strategic Program for Climate Resilience (SPCR). The development of the SPCR will consider all the components that need to be in place. The activities are aimed at:

- mainstreaming Climate Change into priority sectors; facilitating sectoral adaptation measures;
- strengthening policy/institutional arrangements;
- building capacity for planning and forecasting; and
- climate change education and awareness.

1.7 Initiatives related to the above themes will be implemented for the following priority sectors: water resources; agriculture and food security; tourism; human health; human settlements and coastal resources.

#### **1.8 Rationale for the Knowledge, Attitude and Practice (KAP) Survey:**

One of the main thematic areas of focus of the PPCR is that of climate change education and awareness. Addressing this area of need across the various priority sectors will be one of the primary focus of the SPCR.

A climate change knowledge, attitude and behavioral practice survey conducted in 2005



revealed that there were significant gaps in the knowledge, attitudes and behavioral practices of Jamaicans, with respect to climate change. Despite the implementation of a number of climate change awareness projects in selected communities/parishes in recent years, consultations held earlier this year with a wide cross section stakeholders confirmed that there is still a need for greater public awareness and education as to the current and likely impacts of climate change and appropriate adaptation strategies.

- 1.9 In order to ensure that the proposed climate change education and awareness component of the SPCR is based on a proper understanding of the current level of knowledge, attitudes and practices of the target population, the PPCR will undertake another knowledge, attitudes and practice survey. This it is expected, will indicate the changes that would have taken place since 2005 and provide the information that will enable the design of a nationwide knowledge and awareness program. A program that will build on the progress made to date, and provide the framework for the achievement of the desired targets in the medium to long term.

## **II. OBJECTIVES OF THE CONSULTANCY**

- 2.1 The objective of consultancy is to carry out a survey to update the current information of the KAP to climate change in Jamaica. This survey will build upon the results and bridge gaps identified under the previous KAP survey. The results will be used in the design of climate change knowledge and awareness program and a communications strategy to improve the KAP, thereby increasing capacity for a climate change resilient economy.
- 2.2 The Executing Agency will be the Planning Institute of Jamaica.
- 2.3 The anticipated duration of this assignment is 50 man-days. The consultants will be engaged over the period April 2011-July 31, 2011.
- 2.4 Contract Management Arrangement: The outputs of the consultant(s) will be reviewed by a technical team set up by the PIOJ, and chaired by the PPCR Focal Point. PPCR Programme Coordinator will manage the contractual arrangement and will liaise with the consultant as required to monitor the progress of the assignment. Regular updates will be required by the consultant.

## **III. SPECIFIC TASKS**

- 3.1 In carrying out the assignment, the consultant will utilize a combination of survey design methodologies, such as stratified random sampling, purposive sampling and cluster sampling. The KAP survey shall be conducted throughout all 14 parishes of Jamaica, with appropriate representation of the private sector, the public sector, media houses, the general public/residents, women, men, and children in rural and urban settings, across occupations, income groups and various age categories. The consultant is also expected to carry out the assignment in accordance with international best practices for this type of undertaking.

### 3.2 Specifically, the consultant will:

- i. Review the survey instruments and report of findings of the 2005 KAP study, and other available literature KAP surveys conducted locally.
- ii. Outline survey design, including details of methodology; sampling plan; and approach to be used in overcoming challenges encountered in the previous KAP survey.
- iii. Design, pre-test and finalize survey instruments.
- iv. Train data collectors and supervise collection, cleaning and coding of data.
- v. Analyze data and produce report with tables, charts and graphs and detailing KAP among the various target groups.
- vi. Validate survey findings in consultation workshops with a wide variety of stakeholders.
- vii. Make recommendations arising from the findings of the survey that may inform climate change education and awareness programmes and a climate change communications strategy.
- viii. Conduct any other tasks in keeping with international best practices
- ix. Finalize report.

## **IV. QUALIFICATIONS**

- 4.1 A post-graduate degree in Economics, statistics, sociology or relevant branch of social sciences with five years' experience in the design and conduct of surveys, or a first degree in the Social Sciences with specialized training in knowledge, attitude and behavioral practice surveys, and a minimum of seven (7) years experience in the design conduct and analysis of surveys, preferably in the area of knowledge, attitudes and behavioral practice. Previous work in the area of climate change awareness and action planning in Jamaica or the Caribbean would be an asset.

## **V. DELIVERABLES**

- 5.1 A detailed workplan, methodology and implementation schedule within ten working days after commencement of assignment.
- 5.2 Survey design including survey instruments.
- 5.3 A draft report documenting analysis of survey data, the findings and recommendations.

- 5.4 Final survey report after receipt and adjustments based on comments of the reviewers.
- 5.5 Electronic file (Excel; Access) with raw data, processed data.

ANNEX B  
TERMS OF REFERENCE  
**Climatological Data Assessment and Projections**

**I. BACKGROUND**

- 1.1 Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 3 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, the coastal zone contains an estimated 75% of industries and service sector and is responsible for generating some 90% of GDP. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000)<sup>3</sup>. These could be further threatened by climate change. For example, it is estimated that by 2025 the cost to Jamaica could be 13.9% of GDP, 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100(based on 2004 GDP).
- 1.2 Over the last 25 - 30 years, Jamaica has experienced an increase in the frequency of natural events, primarily floods related to inclement weather, tropical depressions, tropical storms, hurricanes, and droughts. Some of the more recent meteorological events that have severely impacted Jamaica include Hurricane Ivan in 2004, Hurricanes Emily and Dennis in 2005, Hurricane Dean in 2007 and Tropical Storm Gustav in 2008. The adverse impacts included a decline in the health of coral reefs; loss of sea-grass beds; severe beach erosion and loss of forested areas. These impacts resulted in significant social dislocation and monumental economic losses and damage. For instance, in 2004, Hurricane Ivan resulted in damage totaling J\$35 billion while Hurricane Dean in 2007, and Tropical Storm Gustav in 2008 left J\$23 billion and J\$15 billion respectively, in damages<sup>4</sup>.
- 1.3 Based on the most recently available projections for climate change, countries like Jamaica will be severely threatened by the direct and indirect impacts of climate change, most of which are projected to accelerate in the coming decades. Among some of the likely impacts are: increased coastal flooding, storm surge, erosion of hillsides and other coastal hazards – leading to extensive damage to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations. For these reasons, adaptation is critical for a country like Jamaica as failure to implement adaptation measures can only serve to retard the achievement of the country's sustainable development goals under Vision 2030 Jamaica - National Development Plan and the Millennium Development Goals. The attainment of the targets in these two planning frameworks is contingent on effective planning for managing climate change risks.

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<sup>3</sup> World Bank. World Development Indicators

<sup>2</sup> The data were obtained from impact assessments conducted by the Planning Institute of Jamaica (PIOJ).

1.4 A major challenge faced by Jamaica is the limited capacity to implement adaptation options. This limitation is manifested in weak capacities of national and local institutions; and vulnerable communities to develop and implement adaptation and disaster risk reduction strategies; inadequate tools and systems to plan and implement climate change strategies; and general lack of scientific information to facilitate adaptation planning. This has been exacerbated by the limited suitability of global and regional models currently being used to build climate scenarios.

1.5 Against this background, in May 2009, Jamaica accepted the offer extended by the Sub-Committee of the Pilot Program for Climate Resilience (PPCR) to participate in PPCR, as one of the six countries in the Caribbean regional pilot program. The other five countries are Grenada, St. Vincent, St. Lucia, Dominica, and Haiti. The PPCR aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into core development policies, planning and implementation. The objectives of the PPCR include:

- piloting and demonstrating approaches for integration of climate risk and resilience into development policies and planning;
- strengthening capacities at national levels to integrate climate resilience into development planning;
- scaling-up and leveraging climate resilient investment, building on other on-going initiatives; and
- enabling learning-by-doing and sharing of lessons at country, regional and global levels.

1.6 The activities of the PPCR for Jamaica will culminate in the development of a Strategic Program for Climate Resilience (SPCR). The development of the SPCR will consider all the components that need to be in place. The activities are aimed at:

- mainstreaming Climate Change into priority sectors; facilitating sectoral adaptation measures;
- strengthening policy/institutional arrangements;
- building capacity for planning and forecasting; and
- climate change education and awareness.

1.7 Initiatives related to the above themes will be implemented for the following priority sectors: water resources; agriculture and food security; tourism; human health; human settlements and coastal resources.

1.8 Rationale for the climatological data assessment and projections:

The ability of individual countries in the Caribbean (and the region as a whole) to plan and adapt to the challenges of climate change is highly reliant on their ability to anticipate the nature and extent of changes in climate. The efforts to date have helped the region to answer its own impact and vulnerability questions and have also allowed for very useful sectoral

studies. However, there is a need to carry on and improve upon modeling work already done in the region, to do further assessment of the value added by using local data and regional climate models in the Caribbean. Jamaica through the PPCR is therefore seeking to be equipped with the required local climate data, and to use regional models to enable it to more accurately project or anticipate climate change, and hence be in a position develop the type of adaptation policies and strategies that will enable it to be more resilient to the impacts of climate change.

## **II. OBJECTIVES OF THE CONSULTANCY**

- 2.1 The objective of the exercise is to enhance the knowledge base for decision-making on climate change.
- 2.2 The Executing Agency will be the Planning Institute of Jamaica.
- 2.3 The consultants will be engaged for fifty (50) man-days for a period starting April, 2011 and ending on July 31, 2011.
- 2.4 Contract Management Arrangements
- 2.5 The outputs of the consultant(s) will be reviewed by a technical team set up by the PIOJ, and chaired by the PPCR Focal Point. PPCR Program Coordinator will manage the contractual arrangement and will liaise with the consultant as required to monitor the progress of the assignment. Regular updates will be required by the consultant.

## **III. SPECIFIC TASKS**

- 3.1 The team of consultants will use local data to model future climate change scenarios for the country. The methodologies used shall be in keeping with international best practices. These outputs shall be in a format to enable the formulation of adaptation strategies for key sectors using data that are more country-specific.
- 3.2 In conjunction with the PPCR regional track where needed, the consultant will:
  - i. Assess the current status of climate data gathering systems
  - ii. Assess the status of local weather and climatological data to ascertain the current knowledge with respect to climate norms and trends, and recent changes which have, or will yield climate change impacts
  - iii. Adjust existing models as appropriate for the assignment
  - iv. Collect and analyse data relevant to assess future climate risks on Jamaica
  - v. Develop climate scenarios/projections of future climate impacts using appropriate climate change models, and identify projected impacts for the country as a whole

and specifically for the themes identified in the background of this TOR, and in the context of Vision 2030 Jamaica and the Jamaica Second National Communication on Climate Change. An associated database will be created by the consultant.

- vi. For each scenario, detail changes projected for main climate parameters as they affect the priority sectors as outlined in Section 1.7 of this TOR.
- vii. Develop a non-technical report for policy and decision-makers.
- viii. Discuss the findings with relevant stakeholders

#### **IV. QUALIFICATIONS**

- 4.1 A post-graduate degree in pure and applied sciences, specializing in Climate Science/Studies. Extensive experience in the development and use of models to analyze climate data and project the range and magnitude of climate changes and likely impact on Jamaica and the Caribbean region.

#### **V. DELIVERABLES**

- 5.1 A detailed methodology, work and implementation plan, within ten working days after commencement of assignment.
- 5.2 Report and conduct a workshop on the various impacts of climate change on Jamaica based on analyses conducted using revised/additional models as well as local data.
- 5.3 Realistic projections and associated database as to the nature and extent of the likely future climate change impacts on Jamaica over the medium to long term period.
- 5.4 Outline the institutional arrangements for data storage, access and sharing on climate scenarios/projections.



ANNEX C  
TERMS OF REFERENCE  
**Review of Policy, Plans, Legislation and Regulations**

I. BACKGROUND

- 1.1 Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 3 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, the coastal zone contains an estimated 75% of industries and service sector and is responsible for generating some 90% of GDP. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000)<sup>5</sup>. These could be further threatened by climate change. For example, it is estimated that by 2025 the cost to Jamaica could be 13.9% of GDP, 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100(based on 2004 GDP).
- 1.2 Over the last 25 - 30 years, Jamaica has experienced an increase in the frequency of natural events, primarily floods related to inclement weather, tropical depressions, tropical storms, hurricanes, and droughts. Some of the more recent meteorological events that have severely impacted Jamaica include Hurricane Ivan in 2004, Hurricanes Emily and Dennis in 2005, Hurricane Dean in 2007 and Tropical Storm Gustav in 2008. The adverse impacts included a decline in the health of coral reefs; loss of sea-grass beds; severe beach erosion and loss of forested areas. These impacts resulted in significant social dislocation and monumental economic losses and damage. For instance, in 2004, Hurricane Ivan resulted in damage totaling J\$35 billion while Hurricane Dean in 2007, and Tropical Storm Gustav in 2008 left J\$23 billion and J\$15 billion respectively, in damages<sup>6</sup>.
- 1.3 Based on the most recently available projections for climate change, countries like Jamaica will be severely threatened by the direct and indirect impacts of climate change, most of which are projected to accelerate in the coming decades. Among some of the likely impacts are: increased coastal flooding, storm surge, erosion of hillsides and other coastal hazards – leading to extensive damage to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations. For these reasons, adaptation is critical for a country like Jamaica as failure to implement adaptation measures can only serve to retard the achievement of the country's sustainable development goals under Vision 2030 Jamaica - National Development Plan and the Millennium Development Goals. The attainment of the targets in these two planning frameworks is contingent on effective planning for managing climate change risks.

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<sup>5</sup> World Bank. World Development Indicators

<sup>2</sup> The data were obtained from impact assessments conducted by the Planning Institute of Jamaica (PIOJ).

- 1.4 A major challenge faced by Jamaica is the limited capacity to implement adaptation options. This limitation is manifested in weak capacities of national and local institutions; and vulnerable communities to develop and implement adaptation and disaster risk reduction strategies; inadequate tools and systems to plan and implement climate change strategies; and general lack of scientific information to facilitate adaptation planning. This has been exacerbated by the limited suitability of global and regional models currently being used to build climate scenarios.
- 1.5 Against this background, in May 2009, Jamaica accepted the offer extended by the Sub-Committee of the Pilot Program for Climate Resilience (PPCR) to participate in PPCR, as one of the six countries in the Caribbean regional pilot program. The other five countries are Grenada, St. Vincent, St. Lucia, Dominica, and Haiti. The PPCR aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into core development policies, planning and implementation. The objectives of the PPCR include:
- piloting and demonstrating approaches for integration of climate risk and resilience into development policies and planning;
  - strengthening capacities at national levels to integrate climate resilience into development planning;
  - scaling-up and leveraging climate resilient investment, building on other on-going initiatives; and
  - enabling learning-by-doing and sharing of lessons at country, regional and global levels.
- 1.6 The activities of the PPCR for Jamaica will culminate in the development of a Strategic Program for Climate Resilience (SPCR). The development of the SPCR will consider all the components that need to be in place. The activities are aimed at:
- mainstreaming Climate Change into priority sectors; facilitating sectoral adaptation measures;
  - strengthening policy/institutional arrangements;
  - building capacity for planning and forecasting; and
  - climate change education and awareness.
- 1.7 Initiatives related to the above themes will be implemented for the following priority sectors: water resources; agriculture and food security; tourism; human health; human settlements and coastal resources.
- 1.8 Rationale for review of development policy, regulations and legislation to determine adjustments required to ensure mainstreaming of climate change issues:

One of the primary objectives of the PPCR is to pilot and demonstrate approaches for integration of climate risk and resilience into development policies and planning. In keeping with this objective, Jamaica will ensure that key development plans, policies, regulations and

legislations are consistent with the thrust towards climate resilience. An important step towards this end therefore, is to review the relevant development plans, policies, regulations and legislations, to ascertain the nature and extent of modification that may be required to ensure that they have mainstreamed climate change issues and concerns in development planning. This is consistent with the goal of Vision 2030 Jamaica National Development Plan to implement measures to improve Jamaica's capacity to adapt to climate change impacts.

## **II. CONSULTANCY OBJECTIVE**

- 2.1 The specific objective of the exercise is to determine the extent to which existing development plans, policies, regulations and legislation have incorporated climate change issues and concerns, ascertain the nature and extent of modification that may be required to ensure that climate change issues and concerns are mainstreamed. It also seeks to estimate the resources required to make such adjustments.
- 2.2 The Executing Agency will be the Planning Institute of Jamaica.
- 2.3 The consultants will be engaged for a period of forty-five man days commencing April, 2011 and ending by July 31, 2011.
- 2.4 Contract Management Arrangements

The outputs of the consultant(s) will be reviewed by a technical team set up by the PIOJ, and chaired by the PPCR Focal Point. PPCR Program Coordinator will manage the contractual arrangement and will liaise with the consultant as required to monitor the progress of the assignment. Regular updates will be required by the consultant.

## **III. SPECIFIC TASKS**

- 3.1. The assignment will focus on the development plans, policies, regulations and legislation in the priority sectors which include but are not limited to, water resources, agriculture and food security, tourism, human health; human settlements and coastal resources.
- 3.2. The consultant will:
  - i. Liaise with consultant on Climatological Data Assessment and Projections in order to access relevant information on current and projected climate changes and the anticipated impacts. This includes review of available climate change data and emerging issues and the implications with respect to the priority sectors outlined in Section 1.7.

- ii. Identify key development policies, plans, strategies, regulations and legislation, assess the extent to which they adequately incorporate climate resilience/adaptation concerns, and indicate where amendments are required.
- iii. Assess the information gaps of existing sectoral development plans, strategies, laws, regulations and policy documents, and the adjustments required to make them climate change compliant.
- iv. Identify areas as outlined in Section 3.2.ii. in the TORs to be given priority attention in the short to medium term.
- v. Assess the extent to which the national budgeting process incorporates climate change concerns.
- vi. Estimate the human and financial resources required to fully and appropriately incorporate climate change concerns in development plans, policies, regulations and legislation, and the likely implementation timeframe.

#### **IV. QUALIFICATIONS**

- 4.1 A post-graduate degree in Environmental Law, Development Studies, environmental Management, Development Planning & Policy or relevant branch of social sciences with five years experience in development planning, policy formulation, or the drafting of legislation and regulations.

#### **V. DELIVERABLES**

- 5.1 A detailed methodology and work plan within ten working days after commencement of assignment.
- 5.2 A draft report and workshop on the findings and recommendations – the gaps, the recommended actions to address gaps, the areas for priority attention, the resource requirements, and the estimated timelines to address the inadequacies.
- 5.3 Final report - after making necessary adjustments.

ANNEX D  
TERMS OF REFERENCE  
Development of a Climate Change Communication Strategy

I. BACKGROUND

- 1.1 Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 3 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, the coastal zone contains an estimated 75% of industries and service sector and is responsible for generating some 90% of GDP. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000)<sup>7</sup>. These could be further threatened by climate change. For example, it is estimated that by 2025 the cost to Jamaica could be 13.9% of GDP, 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100(based on 2004 GDP).
- 1.2 Over the last 25 - 30 years, Jamaica has experienced an increase in the frequency of natural events, primarily floods related to inclement weather, tropical depressions, tropical storms, hurricanes, and droughts. Some of the more recent meteorological events that have severely impacted Jamaica include Hurricane Ivan in 2004, Hurricanes Emily and Dennis in 2005, Hurricane Dean in 2007 and Tropical Storm Gustav in 2008. The adverse impacts included a decline in the health of coral reefs; loss of sea-grass beds; severe beach erosion and loss of forested areas. These impacts resulted in significant social dislocation and monumental economic losses and damage. For instance, in 2004, Hurricane Ivan resulted in damage totaling J\$35 billion while Hurricane Dean in 2007, and Tropical Storm Gustav in 2008 left J\$23 billion and J\$15 billion respectively, in damages<sup>8</sup>.
- 1.3 Based on the most recently available projections for climate change, countries like Jamaica will be severely threatened by the direct and indirect impacts of climate change, most of which are projected to accelerate in the coming decades. Among some of the likely impacts are: increased coastal flooding, storm surge, erosion of hillsides and other coastal hazards – leading to extensive damage to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations. For these reasons, adaptation is critical for a country like Jamaica as failure to implement adaptation measures can only serve to retard the achievement of the country's sustainable development goals under Vision 2030 Jamaica - National Development Plan and the Millennium Development Goals. The attainment of the targets in these two planning frameworks is contingent on effective planning for managing climate change risks.
- 1.4 A major challenge faced by Jamaica is the limited capacity to implement adaptation options. This limitation is manifested in weak capacities of national and local institutions; and

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<sup>7</sup> World Bank. World Development Indicators

<sup>2</sup> The data were obtained from impact assessments conducted by the Planning Institute of Jamaica (PIOJ).

vulnerable communities to develop and implement adaptation and disaster risk reduction strategies; inadequate tools and systems to plan and implement climate change strategies; and general lack of scientific information to facilitate adaptation planning. This has been exacerbated by the limited suitability of global and regional models currently being used to build climate scenarios.

- 1.5 Against this background, in May 2009, Jamaica accepted the offer extended by the Sub-Committee of the Pilot Program for Climate Resilience (PPCR) to participate in PPCR, as one of the six countries in the Caribbean regional pilot program. The other five countries are Grenada, St. Vincent, St. Lucia, Dominica, and Haiti. The PPCR aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into core development policies, planning and implementation. The objectives of the PPCR include:

- piloting and demonstrating approaches for integration of climate risk and resilience into development policies and planning;
- strengthening capacities at national levels to integrate climate resilience into development planning;
- scaling-up and leveraging climate resilient investment, building on other on-going initiatives; and
- enabling learning-by-doing and sharing of lessons at country, regional and global levels.

- 1.6 The activities of the PPCR for Jamaica will culminate in the development of a Strategic Program for Climate Resilience (SPCR). The development of the SPCR will consider all the components that need to be in place. The activities are aimed at:

- mainstreaming Climate Change into priority sectors; facilitating sectoral adaptation measures;
- strengthening policy/institutional arrangements;
- building capacity for planning and forecasting; and
- climate change education and awareness.

- 1.7 Initiatives related to the above themes will be implemented for the following priority sectors: water resources; agriculture and food security; tourism; human health; human settlements and coastal resources.

## **1.8 Rationale for the Communication Strategy:**

There is now a strong realization in the development community that a coordinated communication effort is required to facilitate effective climate change adaptation. Given that climate change is such an important issue which is likely to affect every facet of life in Jamaica, it is essential that the climate change message be communicated in a structured manner among different target groups. A climate change knowledge, attitude and behavioural practice survey conducted in 2005 revealed that there were significant gaps in

the knowledge, attitudes and behavioural practices of Jamaicans, with respect to climate change. In addition, even with the implementation of a number of climate change awareness projects in selected communities/parishes in recent years, there is still a need for comprehensive targeted education and awareness programmes. These would need to target persons at various levels within the public and private sectors as well as at the community level and the general public.

Consultations held during the early part of 2011 with a wide cross section of stakeholders confirmed that there is still a need for greater public awareness and education as to the current and likely impacts of climate change and strategies to be adopted to minimize the negative impacts. For this to become a reality, a carefully developed communication strategy is deemed to be essential. A strategy which when implemented, will not only result in greater awareness among the targeted groups and the wider society, but will stimulate and empower all, especially the poor, vulnerable groups and communities, and the private sector, to take the necessary steps to minimize the anticipated impacts of climate change within their sphere of influence and control. Against this background it was agreed that a communication strategy would be formulated as one of the key outputs of the PPCR.

## **II. CONSULTANCY OBJECTIVE**

- 2.5 The purpose of the consultancy is to design a five-year communication strategy and action plan to support the implementation of the Strategic Programme for Climate Resilience (SPCR) as well as improve the level of awareness about the importance of climate change adaptation and adaptation options among target groups.
- 2.6 The Executing Agency will be the Planning Institute of Jamaica.
- 2.7 The consultants will be engaged for a period of twenty-five (25) man days commencing April, 2011 and completed by July 31, 2011.
- 2.8 Contract Management Arrangements.
- 2.9 The outputs of the consultant(s) will be reviewed by a technical team set up by the PIOJ, and chaired by the PPCR Focal Point. PPCR Program Coordinator will manage the contractual arrangement and will liaise with the consultant as required to monitor the progress of the assignment. Regular updates will be required by the consultant.

## **III. SPECIFIC TASKS**

- 3.3. The assignment will focus on the development plans, policies, regulations and legislation in the priority sectors which include but are not limited to, water resources, agriculture and food security, tourism, human health; human settlements and coastal resources.
- 3.4. The consultant will:

- i. Review the existing climate change communication documents, reports to assess their relevance and completeness in the context of new and emerging projections on climate change.
- ii. Consult with key stakeholders and conduct an assessment of climate change communication needs especially with respect to the key sectors identified under the PPCR.
- iii. Participate in the national level PPCR workshops to determine the broad goal and outcomes for the SPCR, the goal for each sector, and the broad strategies to be adopted to ensure achievement of the overall goal for the program.
- iv. Co-facilitate sectoral workshops (each of which will focus on at least two priority sectors) and ensure that the key climate change knowledge, attitude and practice issues are considered for each sector and the required communication strategies identified to ensure greater awareness.
- v. Design, facilitate and execute a communication strategy workshop that will through a participatory process, and drawing on: a) previous work done by other organisations b) the outputs of the national, sectoral and parish/regional workshops, c) initiatives being carried out by other organisations and d) the inputs of workshop participants, agree on the outline of the five-year communication strategy and action plan.
- vi. Prepare a draft 5-year communication strategy. This should include a comprehensive listing of communication activities to support on-going climate resilience initiatives under the SPCR; a communication management plan (including roles and responsibilities of various partners); costing and financing plan; clear outputs, process and outcome indicators for measuring success and behaviour change and; a communication monitoring and evaluation plan.
- vii. To give effect to the strategy outlined in 5 above, formulate a communication Action Plan inclusive of key communication messages, and identification of target audiences and a media strategy.
- viii. Update the strategy and Action Plan following review by relevant organizations and groups.

#### IV. QUALIFICATIONS

- 4.1 A post-graduate degree in development planning/communications with five years relevant experience, or a first degree in Social Sciences with specialized training in strategic planning and communication, and a minimum of five (7) years' experience in the development and implementation of communication strategies and plans. Previous work in the area of climate change awareness and action planning in Jamaica or the Caribbean would be an asset.



## **V. DELIVERABLES**

- 5.1 A detailed methodology and work plan within ten working days after commencement of assignment.
- 5.2 A draft five-year communication strategy and action plan including:
  - a. complete scheduling of various communication activities/initiatives to be implemented over a five year period
  - b. communication budget and financing plan
  - c. clear outputs, process and outcome indicators for measuring success and behaviour change
  - d. a communication monitoring and evaluation plan
  - e. a communication management plan (outlining roles and responsibilities of various partners)
- 5.3 A final five-year climate change communication strategy and action plan document adjusted to reflect the changes recommended after review of the draft by key stakeholders.

ANNEX E  
TERMS OF REFERENCE  
Program Coordinator for PPCR Jamaica

I. BACKGROUND

- 1.1 Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 3 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, the coastal zone contains an estimated 75% of industries and service sector and is responsible for generating some 90% of GDP. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000)<sup>9</sup>. These could be further threatened by climate change. For example, it is estimated that by 2025 the cost to Jamaica could be 13.9% of GDP, 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100(based on 2004 GDP).
- 1.2 Over the last 25 - 30 years, Jamaica has experienced an increase in the frequency of natural events, primarily floods related to inclement weather, tropical depressions, tropical storms, hurricanes, and droughts. Some of the more recent meteorological events that have severely impacted Jamaica include Hurricane Ivan in 2004, Hurricanes Emily and Dennis in 2005, Hurricane Dean in 2007 and Tropical Storm Gustav in 2008. The adverse impacts included a decline in the health of coral reefs; loss of sea-grass beds; severe beach erosion and loss of forested areas. These impacts resulted in significant social dislocation and monumental economic losses and damage. For instance, in 2004, Hurricane Ivan resulted in damage totaling J\$35 billion while Hurricane Dean in 2007, and Tropical Storm Gustav in 2008 left J\$23 billion and J\$15 billion respectively, in damages<sup>10</sup>.
- 1.3 Based on the most recently available projections for climate change, countries like Jamaica will be severely threatened by the direct and indirect impacts of climate change, most of which are projected to accelerate in the coming decades. Among some of the likely impacts are: increased coastal flooding, storm surge, erosion of hillsides and other coastal hazards – leading to extensive damage to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations. For these reasons, adaptation is critical for a country like Jamaica as failure to implement adaptation measures can only serve to retard the achievement of the country's sustainable development goals under Vision 2030 Jamaica - National Development Plan and the Millennium Development Goals. The attainment of the targets in these two planning frameworks is contingent on effective planning for managing climate change risks.
- 1.4 A major challenge faced by Jamaica is the limited capacity to implement adaptation options. This limitation is manifested in weak capacities of national and local institutions; and

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9 World Bank. World Development Indicators

2 The data were obtained from impact assessments conducted by the Planning Institute of Jamaica (PIOJ).

vulnerable communities to develop and implement adaptation and disaster risk reduction strategies; inadequate tools and systems to plan and implement climate change strategies; and general lack of scientific information to facilitate adaptation planning. This has been exacerbated by the limited suitability of global and regional models currently being used to build climate scenarios.

- 1.5 Against this background, in May 2009, Jamaica accepted the offer extended by the Sub-Committee of the Pilot Program for Climate Resilience (PPCR) to participate in PPCR, as one of the six countries in the Caribbean regional pilot program. The other five countries are Grenada, St. Vincent, St. Lucia, Dominica, and Haiti. The PPCR aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into core development policies, planning and implementation. The objectives of the PPCR include:

- piloting and demonstrating approaches for integration of climate risk and resilience into development policies and planning;
- strengthening capacities at national levels to integrate climate resilience into development planning;
- scaling-up and leveraging climate resilient investment, building on other on-going initiatives; and
- enabling learning-by-doing and sharing of lessons at country, regional and global levels.

- 1.6 The activities of the PPCR for Jamaica will culminate in the development of a Strategic Program for Climate Resilience (SPCR). The development of the SPCR will consider all the components that need to be in place. The activities are aimed at:

- mainstreaming Climate Change into priority sectors; facilitating sectoral adaptation measures;
- strengthening policy/institutional arrangements;
- building capacity for planning and forecasting; and
- climate change education and awareness.

- 1.7 Initiatives related to the above themes will be implemented for the following priority sectors: water resources; agriculture and food security; tourism; human health; human settlements and coastal resources.

## **II. CONSULTANCY OBJECTIVE**

- 2.10 The purpose of the consultancy is to coordinate the development of Strategic Program for Climate Resilience (SPCR) for Jamaica, outlining priority projects for implementation, design of a framework to access financing for climate resilience, and the implementation of elements of the SPCR. Successful implementation of these elements is expected to

contribute to Jamaica being more resilient to disasters and climate change impacts and to attaining the goal of a healthy natural environment and lead to sustainable growth.

- 2.11 The Executing Agency will be the Planning Institute of Jamaica.
- 2.12 The consultants will be for 30 months from the signing of the contract and is expected to begin in April 2011.
- 2.13 Contract Management Arrangements:

The consultant will be based in the offices of the Planning Institute of Jamaica and will follow normal working hours.

### **III. SPECIFIC TASKS**

- 3.5. In the conduct of the duties outlined herein, the Consultant will employ a collaborative approach to ensure that the programme activities are successfully implemented. In so doing, the consultant will collaborate on an ongoing basis with project staff in related climate change projects as needed; personnel in key sectors likely to be impacted by or to accelerate climate change impact; the Climate Change and Disaster Risk Reduction Thematic Working Group; and other relevant stakeholders. The project coordinator will also ensure that the procurement of goods and services in accordance with agreed procurement guidelines/standards.
- 3.6. The consultant will:
  - i. Review existing related policies, research studies conducted, and recent documents prepared on climate change in Jamaica to ascertain the nature, type and status of climate change activities being carried out and to assess the programme development environment. These will include but not be limited to Vision 2030 Jamaica National Development Plan, the Second National Communication, Jamaica's PPCR Phase 1 Financing Proposal, and related project documents
  - ii. Will work with consultants and facilitators to maintain the knowledge and awareness program in Jamaica.
  - iii. Use the outputs of studies and consultations conducted during the pre-implementation phase of the PPCR to finalise the design/development of the Strategic Programme including identification of priority projects and budgets, investment proposals, and a monitoring and results management framework.
  - iv. Assist in the capture and documentation of lesson learned under the PPCR Jamaica program.

- v. Facilitate the design and conduct of a number of supporting studies and the incorporation of findings into project development and the preparation of guidelines for each sector/component of the programme.
- vi. Use project management tools and techniques to facilitate successful implementation of all components of the project, paying attention to the management of resource, the keeping of financial and other records; stakeholder relationship and communications and visibility.
- vii. Liaise with each implementing/executing agency and coordinate programme activities to ensure that the activities in each component are implemented in accordance with the programme objectives.
- viii. Develop monitoring indicators and targets as part of the results management framework and monitor programme implementation against the established indicators.
- ix. Monitor programme implementation and prepare periodic monitoring reports (technical and financial) for submission to the CIF, IDB and the WB.
- x. Liaise with the regional PPCR to ensure consistency/complementarily with the local programme and synergy with the regional components especially those related to the risk information platform; and data collection and management.
- xi. Work with ECMD to facilitate project review missions by the MDBs and plan and organise mid-term reviews.
- xii. Troubleshoot with the relevant agencies including the Ministry of Finance and the Public Service and MDBs to remove any bottlenecks that might arise during programme implementation.
- xiii. Maintain liaison with related projects to ensure that the SPCR activities are in concert with those of related projects and consistent with the relevant outcome strategies of Vision 2030 Jamaica. These include the Government of Jamaica's Action Plan for improving Disaster Risk Management.
- xiv. Serve as the Technical Secretary for the PPCR Jamaica Steering Committee.
- xv. Ensure there is regular communication and knowledge among and between various consultant studies of the Jamaica PPCR.

#### IV. QUALIFICATIONS

- 4.1 A post-graduate degree or equivalent professional experience, in environmental economics, environmental management, urban and regional planning, sustainable development or related areas, project management skills, and knowledge of GOJ procurement guidelines.
- 4.2 Minimum 5 (five) years' experience in the coordination and management of projects, preferably in an area related to climate resilience, e.g. coastal zone management; natural resources management; disaster risk management etc.; knowledge and understanding of the adaptation to climate change; working experience in the Caribbean.
- 4.3 Key Competencies: The consultant is expected to possess the following competencies:
  - Critical thinking and problem solving skills
  - Planning and organizing
  - Influencing and leading
  - Team Orientation
  - Negotiation skills
  - Conflict management
  - Adaptability

#### V. DELIVERABLES

- 5.1 A detailed methodology and work plan within ten working days after commencement of assignment.
- 5.2 Strategic Program for Climate Resilience including priority projects and budgets, investment guidelines and proposals, and a monitoring and results management framework.
- 5.3 Revised policies as per Section III(iii).
- 5.4 Reports of studies as per Section III(iii).
- 5.5 Organize regular briefing, reports to steering committee and key stakeholders including MDBs and development partners.
- 5.6 Periodic program reports (quarterly, semi-annual, annual) submitted to the IDB/WB in accordance with agreed schedule.

#### VI. SUPERVISION/COORDINATION

- 6.1 The consultant will be assigned to work with the PPCR Focal Point located in the Sustainable Development and Regional Planning Division of the PIOJ and under the supervision of the Divisional Director. The consultant will work closely with a technical steering committee comprised of representatives from the public, private and NGO sectors and key agencies.

**ANNEX F**  
**TERMS OF REFERENCE**  
Climate Change Specialist

**TO BE PREPARED**