

TC Document

I. Basic Information for TC

▪ Country/Region:	Haiti/CID
▪ TC Name:	Support to the preparation of the Rural Development Program with Watershed Approach (HA-L1132)
▪ TC Number:	HA-T1247
▪ Team Leader/Members:	Marion Le Pommellec (CSD/RND), Team Leader; Paolo De Salvo (CSD/RND), Alternate Team Leader; Géraud Albaret, Lina Salazar, Lisa Restrepo (CSD/RND); Rafael Dewez (TSP/CHA); Marise Salnave, Edwin Tachlian-Degras (FMP/CHA); Melissa Barandiaran, Fredrick Lindblom (VPS/ESG); Javier Jimenez (LEG/SGO); Cedrick Joseph, Catherine Alexis (CID/CHA)
▪ Taxonomy:	Operational Support
▪ Name and number of operation supported by the TC:	Rural Development Program with Watershed Approach - HA-L1132
▪ Date of TC Abstract authorization:	March 22, 2019
▪ Beneficiary:	Republic of Haiti / Ministry of Agriculture, Natural Resources and Rural Development (MARNDR)
▪ Executing Agency:	Inter-American Development Bank
▪ Donors providing funding:	OC Strategic Development Program for Sustainability (SUS) – US\$800,000 Italian Fund for Technical Cooperation Projects (ITC) – US\$300,000
▪ IDB funding requested:	US\$1,100,000
▪ Local counterpart funding, if any:	None
▪ Disbursement period (which includes Execution period):	24 months
▪ Required start date:	May 2019
▪ Types of consultants:	Individuals; Firms
▪ Prepared by Unit:	Environment, Natural Resources and Disaster Risk Management Division (CSD/RND)
▪ Unit of Disbursement Responsibility:	Country Office Haiti (CID/CHA)
▪ TC Included in Country Strategy (y/n):	Yes
▪ TC included in CPD (y/n):	Yes
▪ GCI-9 Sector Priority:	Social inclusion and equality; productivity and innovation; climate change and environmental sustainability

II. Description of the Associated Grant

- 2.1 The operation “Rural Development Program with Watershed Approach” (HA-L1132) is being prepared at the request of the Government of Haiti (GoH). The objective of the operation is to increase rural income through decreased agricultural losses due to floods and improve access to markets. The beneficiaries will be farmers in the Northern, Northeastern and Artibonite watersheds. The Executing Agency of the operation will be the Ministry of Agriculture, Natural Resources and Rural Development (MARNDR, for its acronym in French).

2.2 The Program will be structured as follows:

- a. **Component 1: Waterflow regulation in selected watersheds (Estimated IDB: US\$50,000,000).** To reduce erosion, silting and flooding along the watersheds, this component will finance the construction of flood and erosion control infrastructures in priority gullies and along river banks. The proposed investments will directly complement and consolidate, both on technical and geographic scope, interventions that the Bank has been financing during the last decade to tackle challenges that affect agricultural productivity in the watersheds of Artibonite, Grande Rivière du Nord and Massacre, in particular the work being conducted by the Natural Disasters Mitigation Program “PMDN II” and Water Management Program in the Artibonite Basin “PROGEBA”. Those operations, whose resources are already fully committed, finance flood and erosion control infrastructures, that need to be scaled up to have an impact at watershed level. Infrastructures will also be located in sites that will be territorially consistent with the technical assistance and non-reimbursable financial support provided by the Agricultural and Agroforestry Technological Innovation Program “PITAG” to promote agroforestry in critical recharge and erosion-prone areas (i.e. downstream those areas). All these activities, and the interaction among them, contribute to the rural territorial development approach the operation HA-L1132 is explicitly mentioning.
- b. **Component 2. Rural roads in selected watersheds (Estimated IDB: US\$45,000,000).** To improve access to markets, the Program will finance the rehabilitation of rural roads (category of infrastructures that are under the responsibility of the Ministry of Agriculture) in the areas of intervention of Component 1, directly linked to the existing operations financed by the IDB and executed by the MARNDR.
- c. **Component 3. Information system for territorial and policy planning (Estimated IDB: US\$10,000,000).** To generate and systematize relevant information oriented at improving planning and policy-making for rural territorial development, the Program will finance: (i) soil analyses and mapping to provide basic information for appropriate land management; and (ii) agricultural census and related surveys.
- d. **Other Costs. (Estimated IDB: US\$5,000,000).** Other costs include social and environmental impacts mitigation activities, monitoring and evaluation, program administration, and audits.

- 2.3 The total cost of the Program is estimated at US\$110,000,000 for a five (5) year period and to be financed by the Bank. The Program is currently at the beginning of the design stage.

III. Objectives and Justification of the TC

- 3.1 The objective of this TC is to support the conceptualization and design of the “Rural Development Program with a Watershed Approach” (HA-L1132), through the financing of a series of feasibility studies and support for execution studies. Additionally, the Bank anticipates the preparation of a complementary operation in 2020 (same executing agency, same watersheds) with a focus on irrigation. In order to ensure the readiness of this complementary program, the TC will also finance studies on irrigation.

The MARNDR, future executing agency of operation HA-L1132, will be the beneficiary of this TC.

- 3.2 The Program, and consequently the present TC, are consistent with the Update to the Institutional Strategy (AB-3008) and is expected to contribute to the Corporate Results Framework 2016-2019 (GN-2727-6) through the development challenges of: (i) Social Inclusion and Equality, as small-scale farmers will be the main beneficiaries; and (ii) Productivity and Innovation, by promoting increased agricultural productivity. The TC is also aligned to the cross-cutting theme of Climate Change and Environmental Sustainability, by reducing vulnerability to climate risks. The operation is consistent with the Bank's Strategy with Haiti 2017-2021 (GN-2915), for its contribution to the first priority area "Improve the business climate to enhance productivity", and cross-cutting themes of "Resilience to climate change" and "Protection of the natural environment."
- 3.3 The TC is also consistent with the following Sector Framework Documents: Agriculture and Natural Resources Management (GN-2709-5), in the dimension of success "Agriculture and natural resources management in the region achieve high levels of productivity, and climate impacts are managed in the sector," and "The risks of the impact of climate change and natural disasters are better managed to reduce the vulnerability of agriculture;" Food Security (GN-2825-8), in the dimension of success "Ensure food availability by boosting productivity without putting pressure on natural resources, facilitating trade, and improving rural infrastructure;" and Climate Change (GN-2835-8), in the dimension of success "The countries make progress on including climate considerations in the sectors." Additionally, this TC is aligned with the objectives of the OC Strategic Development Program for Sustainability (SUS) through (i) the expansion of knowledge base on climate change mitigation, adaptation, and sustainable energy geared towards leveraging climate investment; and (ii) strengthening capacities to manage disaster risk and respond to emergencies stemming from natural disasters. This TC is also aligned with the Italian Fund for Technical Cooperation Projects (ITC) which finances on a grant basis, pre-investment and feasibility studies, technical assistance, as well as sector studies to be carried out by the Bank.

IV. Description of activities/components and budget

- 4.1 The proposed TC is structured in two components:
- 4.2 **Component 1. Feasibility studies.** This component will finance consultancies for the preparation of:
- i. Ex-ante economic analyses of the Rural Development Program with Watershed Approach (HA-L1132), and future irrigation program. The outputs will be the standard economic viability studies required by the Bank for the design of all loan proposals;
 - ii. Social and Environmental Assessments and Management Plans of the HA-L1132 and Irrigation Operations. The outputs will be the standard socioenvironmental documents required by the Bank for the design of all loan proposals;
 - iii. Design of small irrigation infrastructures. This activity will be conducted based on the conclusions of an ongoing study "Capitalization of lessons learnt on 20 years of investment in irrigation in Haiti", executed by the firm "BRL" and

financed by the French Agency for Development (AFD for its French acronym). BRL was hired based on ToRs jointly prepared by the Bank and AFD. Those ToRs explicitly mention that the current study ("phase I") should be followed by a second study ("phase II") orientated at preparing the design for investments identified during phase I, as the most effective and sustainable options in the Haitian context. The outputs will be technical feasibility studies and executive designs of further investments to be financed by a possible future irrigation program;

- iv. Design of rural roads rehabilitation. This activity will be conducted with the support of UNOPS based on the methodology they developed for the Government of Haiti and that is being implemented by a World Bank financed operation. UNOPS will specify the state of the rural roads in the three intervention areas of the future operation and estimate the investment needed. The outputs will be: (i) prioritization of rural roads based on Rural Access Index for the three departments and with a focus on areas where RND operations are being implemented; (ii) assessment of the condition of prioritized rural roads and elaboration of pre-designs of intervention; and (iii) estimation of rehabilitation and maintenance budgets for the prioritized rural roads (including two-year maintenance plan);
- v. Institutional analysis/application of PACI, and institutional support to the Executing Agency. It is proposed that the PACI tool be applied to the MARNDR by the firm "*Institutions et Développement*" (I&D), considering that since 2012 (preparation of a series of Policy Based Grants orientated at the agricultural sector reform), this firm has been working in very closed collaboration with the Bank and the MARNDR in their joint efforts to strengthen the institution, through diagnostics and permanent coaching in areas such as human resources management, planning and monitoring, procurement, general organization and organic law, with a special focus on bottlenecks that affect the performance of Bank-financed operations. No consultant other than I&D better knows the MARNDR and benefits from better confidence from this institution. Pursuing the best practices implemented since 2012, the IDB team will be closely involved in all activities performed by I&D. In particular, the Operations Analyst (OA), who is the institutional capacity analysis focal point, will work jointly with I&D on this aspect, consistently with the efforts made by the Bank to strengthen the Country Office's knowledge and abilities in institutional capacity. The output will be the standard institutional analysis study required by the Bank for the design of any loan proposal.

- 4.3 **Component 2. Support to the supervision and analysis of studies.** This component will finance the hiring of: (i) a hydraulic and infrastructure consultant, to review, ensure quality control, and analyze all ongoing and upcoming infrastructures studies, financed by the proposed TC and other funds, that are and will be conducted in the framework of the preparation of HA-L1132 and possible other operations (irrigation); and (ii) a coordination and monitoring consultant, to support the technical supervision and administrative management of all the studies to be conducted in the framework of the preparation of HA-L1132 and other operations. Those two positions are critical considering the complexity and quantity of the above-mentioned studies. The two consultants will be working with the Bank, as the Executing Agency, supporting the MARNDR in realizing in-depth analysis and emitting comments to all

studies in a timely manner, to ensure full ownership of the results of the studies; and that the latter are finalized within the expected timeframe. The outputs and support for payments for those consultancies, will be detailed activity reports.

- 4.4 The budget for the proposed TC is US\$1,100,000, of which US\$800,000 will be financed by the Ordinary Capital Strategic Development Program for Sustainability (SUS), and the remaining US\$300,000 by the Italian Fund for Technical Cooperation Projects (ITC), as detailed in the following table.

Indicative Budget (US\$)

Component	Description	SUS Funding	ITC Funding*	Total Funding
Component 1. Feasibility studies	Consultancies	750,000	120,000	870,000
	<i>Ex-ante economic analysis for HA-L1132</i>	<i>50,000</i>	<i>0</i>	<i>0</i>
	<i>Ex-ante economic analysis for future irrigation program</i>	<i>0</i>	<i>50,000</i>	<i>0</i>
	<i>ESIA and ESMP consultancy for HA-L1132</i>	<i>150,000</i>	<i>0</i>	<i>0</i>
	<i>ESIA and ESMP consultancy for future irrigation program</i>	<i>150,000</i>	<i>0</i>	<i>0</i>
	<i>Design of small irrigation infrastructures for future irrigation program</i>	<i>300,000</i>	<i>0</i>	<i>0</i>
	<i>Design of rural roads rehabilitation</i>	<i>100,000</i>	<i>0</i>	<i>0</i>
	<i>Institutional analysis / PACI</i>	<i>0</i>	<i>70,000</i>	<i>0</i>
Component 2. Support for execution studies and analysis	Consultancies	50,000	180,000	230,000
	<i>Hydraulic and infrastructure consultant</i>	<i>0</i>	<i>180,000</i>	<i>0</i>
	<i>Coordination and monitoring consultant</i>	<i>50,000</i>	<i>0</i>	<i>0</i>
TOTAL		800,000	300,000	1,100,000

*50% of the ITC resources will be executed by providers/consultants of Italian nationality, as ITC funds are tied.

- 4.5 The Bank will conduct the procurement processes, contract administration and payments. Based on consultants' prior experiences with the Bank for similar services, Single Source Selection (SSS) will be used for the following consultancies. Additional information is available in the Procurement Plan (PP).
- Social and Environmental Assessment and Management Plan: it is proposed to hire the firm "Aude Archambaud" based on very satisfactory prior similar experience with the Bank in Haiti, combined with repeated unsatisfactory experiences with other firms and the difficulty to identify consultants able to comply with Bank standards. This case corresponds to the situation established in the section IV.A.4.1(3)(d) of the "Policy for the Selection and Contracting of Consulting Firms for Bank-executed Operational Work" (GN-2765-1): "when only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition."
 - Design of Small Irrigation Infrastructures: the justification for the SSS of the firm BRL is provided in ¶4.2.iii, and is consistent with the case established in the section IV.A.4.1(3)(a) of the "Policy for the Selection and Contracting of Consulting Firms for Bank-executed Operational Work" (GN-2765-1): "for tasks that represent a natural continuation of previous work carried out by the firm."
 - Design of Rural Roads Rehabilitation: justification for the SSS of UNOPS is provided in ¶4.2.iv, and is consistent with the case established in the section

IV.A.4.1(3)(d) of the “Policy for the Selection and Contracting of Consulting Firms for Bank-executed Operational Work” (GN-2765-1): “when only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition.”

- d. Institutional Analysis/PACI: the justification for the SSS of the firm I&D is provided in ¶4.2.v, and is consistent with the case established in the section IV.A.4.1.(3)(d) of GN-2765-1, “when only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition.”

V. Executing agency and execution structure

- 5.1 As requested by the Beneficiary, the Bank will be the executing agency of the TC through the Environment, Natural Resources and Disaster Risk Management Division (RND). This is to ensure a timely execution of the activities and that the studies and assessments needed for preparation of the operation comply with the quality standards needed to move forward with the preparation of the Program.
- 5.2 The activities to be executed are included in the Procurement Plan (Annex IV) and will be contracted in accordance with Bank policies as follows: (i) Regulation on Individual Consultants hired by the Bank: Complementary Workforce (AM-650), for individual consultants; (ii) Policy for the Selection and Contracting of Consulting Firms for Bank-executed Operational Work (GN-2765-1) and its Guidelines (OP-1155-4), for consulting firms for services of an intellectual nature; and (iii) IDB Corporate Procurement Policy (GN-2303-20), for logistics and other related services.
- 5.3 Supervision, monitoring and evaluation of the TC will be performed by RND, which will be responsible for all aspects related to obtaining the TC outputs, ensuring the timely execution of the PP and submission of deliverables by consultants, following what indicated in the Results Matrix.
- 5.4 All the above will be performed in close collaboration with the Beneficiary, whose no objection to the Terms of Reference (TOR), contracts and deliverables will be required.

VI. Major issues

- 6.1 The main risk identified is the possible delays in receiving the no objection from the MARNDR to the TOR, contracts and deliverables. The mitigation measures put in place are: (i) close coordination through frequent meetings between the MARNDR and the Bank’s team in Haiti; and (ii) the consultancies financed under Component 2, as explained in ¶4.1.b.

VII. Exceptions to Bank policy

- 7.1 There are no exceptions to Bank policy.

VIII. Environmental and Social Strategy

- 8.1 In compliance with the Bank’s Environmental and Safeguards Compliance Policy (OP-703), this operation has been classified as “Category [B](#).” Although the impacts and risks associated with the operation are minimal because most of them are knowledge products (feasibility studies and support studies during execution and analysis) this TC supports the operation HA-L1132 that was classified as “Category B.”

Required Annexes:

- Annex I: [Request from the Client](#)
- Annex II: [Results Matrix](#)
- Annex III: [Terms of Reference](#)
- Annex IV: [Procurement Plan](#)

**SUPPORT TO THE PREPARATION OF THE RURAL DEVELOPMENT PROGRAM WITH
WATERSHED APPROACH (HA-L1132)**

HA-T1247

**SUS US\$800,000
ITC US\$300,000**

CERTIFICATION

I hereby certify that this operation was approved for financing under the **Ordinary Capital Strategic Development Program for Sustainability (SUS)**, and the **Italian Fund for Technical Cooperation Projects (ITC)**, and through a communication dated March 22, 2019 and signed by Felipe Caicedo (ORP/GCM). Also, I certify that resources from said funds are available for a combined up to **US\$1,100,000** in order to finance the activities described and budgeted in this document. This certification reserves resource for the referenced project for a period of six (6) calendar months counted from the date of eligibility from the funding source. 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 US 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, representing a risk that will not be absorbed by the Fund.

Certified by:

** original signed **

April 12, 2019

Sonia M. Rivera
Chief

Date

Grants and Co-Financing Management Unit
ORP/GCM



REÇU 08 AVR. 2019

MINISTÈRE DE L'AGRICULTURE,
DES RESSOURCES NATURELLES
ET DU DÉVELOPPEMENT RURAL

MINISTÈ AGRIKILT
RESOUS NATIRÈL
AK DEVLOPMAN RIRAL

M-A/BID : 1161

Damien, le 5 avril 2019

Monsieur Felipe Gomez ACCEBO
Représentant de la BID
En ses Bureaux.-

Monsieur le Représentant,

Le Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural (MARNDR) vous présente ses compliments et a l'avantage de solliciter une Coopération Technique (HA-T1247) d' **Un Million Cent Mille (1,100,000.00 USD) Dollars Américains**, qui sera exécutée par la Banque Interaméricaine de Développement. La version anglaise du document est annexée à la présente.

Il est à rappeler que cette démarche s'inscrit dans la perspective de pouvoir bénéficier d'un financement pour la réalisation de certaines études devant fournir des données techniques et socio-économiques nécessaires à l'élaboration du document de projet de l'opération HA-L1132.

Dans l'espoir d'une réponse favorable à cette requête, le Ministère de l'Agriculture des Ressources Naturelles et du Développement Rural saisit l'occasion pour vous renouveler, **Monsieur le Représentant**, l'assurance de sa considération distinguée.


Jobert C ANGRAND
Ministre







Results Matrix

Outcomes

Outcome:	1 Investment loan "Rural Development Program with Watershed Approach (HA-L1132)" designed								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2019	2020	EOP
1.1 1.1 Loan Proposal (HA-L1132) designed		Loan Proposal	0.00	2018	Final Report	P	0.00	1.00	1.00
						P(a)	0.00	1.00	1.00
						A			

CRF Indicator

Outputs: Annual Physical and Financial Progress

1.1. Feasibility studies						Physical Progress				Financial Progress				Theme	Fund	Flags
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification		2019	2020	EOP		2019	2020	EOP			
1.1 Feasibility study completed	Ex-ante economic analysis	Studies (#)	0	2019	Final report	P	1	1	2	P	70000	30000	100000	Agricultural Productivity and Food Security	SUS/ITC	
						P(a)	1	1	2	P(a)	70000	30000	100000			
						A				A						
1.2 Feasibility study completed	Social and Environmental assessment and management plan	Studies (#)	0	2019	Final report	P	1	1	2	P	150000	150000	300000	Agricultural Productivity and Food Security	SUS/ITC	
						P(a)	1	1	2	P(a)	150000	150000	300000			
						A				A						
1.3 Civil works design completed	Design of small irrigation infrastructures	Designs (#)	0	2019	Final Report	P	1		1	P	300000		300000	Agricultural Productivity and Food Security	SUS	
						P(a)	1		1	P(a)	300000		300000			
						A				A						
1.4 Civil works design completed	Design of Rural Roads Rehabilitation	Designs (#)	0	2019	Final Report	P	1		1	P	100000		100000	Sustainable Infrastructure	SUS	
						P(a)	1		1	P(a)	100000		100000			
						A				A						
1.5 Institutional capacity analysis conducted	Institutional analysis / PACI	Assessments (#)	0	2019	Final report	P	1		1	P	70000		70000	Agricultural Productivity and Food Security	ITC	
						P(a)	1		1	P(a)	70000		70000			
						A				A						
2.2. Support to the supervision and analysis of studies						Physical Progress				Financial Progress				Theme	Fund	Flags
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification		2019	2020	EOP		2019	2020	EOP			
2.1 Project implementation unit strengthened	Support consultants hired	PIUs (#)	0	2019	Quarterly reports	P	1	1	2	P	85000	145000	230000	Institutional Development	SUS/ITC	
						P(a)	1	1	2	P(a)	85000	145000	230000			
						A				A						

Other Cost

Total Cost

	2019	2020	Total Cost
P	\$775,000.00	\$325,000.00	\$1,100,000.00
P(a)	\$775,000.00	\$325,000.00	\$1,100,000.00
A			

CRF Indicator

Standard Output Indicator

DRAFT TERMS OF REFERENCE

HAITI
HA-T1247
Economic Analysis Consultant, HA-L1132

Background

In Haiti, the agricultural sector contributes to 20% of the Gross Domestic Product, 9.2% of total exports value (BRH, 2019), 41% of overall employment (ILO, 2018), 66% of employment in rural areas, and 75% of employment in low income rural households (World Bank, 2017).

However, the Haitian agriculture presents low levels of productivity (Table 1) and high levels of losses (Table 2), associated with farmers' high exposure to adverse climate events and low adaptation capacity (USAID, 2017). According to the Germanwatch Global Climate Risk Index (CRI), Haiti continuously ranks among the countries most affected by extreme weather events world-wide, both in the long-term index and in the index for the respective year (ranked 4th in the CRI 2019 for the period 1998-2017).

Table 1 – Yields for main Haitian crops compared to yields of the Caribbean and Central America					
<i>Product</i>	<i>Banana</i>	<i>Plantain</i>	<i>Maize</i>	<i>Bean</i>	<i>Paddy Rice</i>
Haiti's yield as % of average yield of the Caribbean	30 %	48 %	76 %	59 %	78 %
Haiti's yield as % of average yield of Central America	12 %	41 %	83 %	24 %	53 %

Source: Data taken from FAOSTAT (2019)

Table 2 – Agricultural losses due to extreme weather events		
<i>Year</i>	<i>Agricultural losses</i>	<i>Cause</i>
2008	US\$200 million	Flooding (Storms Fay, Gustav, Hanna et Ike)
2012	US\$104 million	Flooding and winds (Hurricanes Isaac and Sandy)
2015	72% of households lost > 80% of their spring harvest	Drought / El Niño
2016	US\$580 million	Flooding and winds (Hurricane Matthew)

Source: Data taken from World Food Program and Food and Agriculture Organization

The Government of Haiti (GoH) has requested the Bank's technical support to help design and implement an operation (HA-L1132) to finance measures to increase agricultural income and productivity and decrease agricultural losses, through improved agricultural water and watershed management. The beneficiaries will be small-scale farmers in the Northern, Northeastern and Artibonite watersheds. The program currently in preparation is expected to total \$110,000,000.00 and to be implemented during a 5 year-period.

In response to the GoH's request, the Bank has approved a non-reimbursable Technical Cooperation (HA-T1247) with the objectives to conduct the necessary activities to help design the grant HA-L1132.

The team's mission:

The Environment Rural Development & Disaster Risk Management team in Haiti (RND/CHA) is looking for a consultant to conduct the economic and financial analysis of the Support to the preparation of the Rural Development Program with Watershed Approach (HA-L1132), including the economic evaluation of overall benefit and cost streams and the corresponding sensitivity analysis.

What you'll do:

- Review studies on the structure of agriculture and food sectors of Haiti and the situation of the rural sector. Revise consultancy reports made for the preparation of the project HA-L1132.
- Participate in missions as part of the project team or independently, if so required, providing guidance to the members of the project team and their national counterparts.
- Define the methodology to be used to evaluate the program, taking into account the nature of the benefits, and define the respective information requirements. It is estimated that the methodological definition will take place during the first visit of the IDB consultant and, at the same time, reporting requirements will be established.
- Perform an economic evaluation using the methodology agreed upon once the basic elements (based on the information collected) have been defined: (i) Identify, describe, quantify and justify the incremental economic benefits (private and public) associated with the preparation and activities of the program components; (ii) Prepare a cost-benefit analysis and calculate the respective Internal Rate of Return (IRR), including a sensitivity analysis for key variables affecting the results; and (iii) Based on the economic analysis, identify measurable indicators for the program to be used to measure its success, and coordinate the preparation of the information needed to design the respective baseline of the program.
- Perform the financial evaluation of the program.
- Support the analysis with appropriate economic theory and relevant empirical evidence.
- According to the economic evaluation, verify and set goals for the output, outcome and impact indicators of the program.
- Collaborate with the Impact Evaluation consultant to define the indicators for the M&E system and impact evaluation, and the collection of data required for the M&E system.

Reports / Deliverable

You shall produce the following reports:

- I. A preliminary report shall be submitted to the Bank. The report will include the selected methodology and the main benefits and costs identified.
- II. An Economic Assessment Final Report at the end of its work, which will incorporate the comments of the Ministry of Agriculture and the Bank. This report shall include inter alia: (i) Methodological Background; (ii) Economic and financial analysis of the program; (iii) The analysis should include, among others: an ex ante estimate of the economic internal rate of return of the program, an ex-ante estimation of net present value, using a discount rate of 12%; (iv) The analysis should identify and define in detail the relevance of benefits used in the calculations along with the respective sources, identify and describe all assumptions made and perform a sensitivity analysis on the results obtained; and (v) Recommendations for project results matrix.

Each report shall be delivered to the Bank electronically in a single file that includes the cover, the main document and the annexes. (Zip files will not be accepted as final reports, due to regulations of Section Records Management).

Payment Schedule

- Upon contract signature: 30% of the total amount of contract
- Upon receipt and acceptance by the Haitian Ministry of Agriculture, Natural Resources and Rural Development (MARNDR) and the Bank of the preliminary report: 40% of the total amount of contract
- Upon receipt and acceptance by the MARNDR and IDB of the final report: 30% of the total amount of contract

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries. The IDB may offer assistance with visa applications for you and your eligible dependents, if needed.

Consanguinity: You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.

Education: You should hold an advanced professional degree in a relevant field such as agricultural economics, economics, policy analysis, finance or MBA.

Experience: You should have at least 5 years of experience in similar activities.

Languages: Good written and verbal communication skills in French and English. Haitian Creole preferred.

Core and Technical Competencies: You should have an established track record in financial and economic analysis of public policies and investments projects, particularly in the agricultural sector and any other skills deemed relevant to carry-out the work.

Opportunity Summary:

Type of contract: Products and External Services Contractual, Lump Sum

Length of contract: 8 months

Starting date: June 1st 2019

Location: Haiti and consultant's residence.

Responsible person: • Division Leader or Coordinator: Carmine Paolo De Salvo, Rural Development Specialist (RND/CHA) desalvo@iadb.org; and **xxxx**

Requirements: You must be a citizen of one of the [IDB's 48 member countries](#) and have no family members currently working at the IDB Group.

Our culture: Our people are committed and passionate about improving lives in Latin-America and the Caribbean, and they get to do what they love in a diverse, collaborative and stimulating work environment.

We are the first Latin American and Caribbean development institution to be awarded the EDGE certification, recognizing our strong commitment to gender equality. As an employee you can be part of internal resource groups that connect our diverse community around common interests.

We encourage women, afro-descendants, people of indigenous origins, and persons with disabilities to apply.

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Our team in Human Resources carefully reviews all applications.

ANNEX B

DRAFT TERMS OF REFERENCE

HAITI

HA-T1247

Economic Analysis Consultant, Irrigation

Background

In Haiti, the agricultural sector contributes to 20% of the Gross Domestic Product, 9.2% of total exports value (BRH, 2019), 41% of overall employment (ILO, 2018), 66% of employment in rural areas, and 75% of employment in low income rural households (World Bank, 2017).

However, the Haitian agriculture presents low levels of productivity (Table 1) and high levels of losses (Table 2), associated with farmers' high exposure to adverse climate events and low adaptation capacity (USAID, 2017). According to the Germanwatch Global Climate Risk Index (CRI), Haiti continuously ranks among the countries most affected by extreme weather events world-wide, both in the long-term index and in the index for the respective year (ranked 4th in the CRI 2019 for the period 1998-2017).

Table 1 – Yields for main Haitian crops compared to yields of the Caribbean and Central America					
Product	Banana	Plantain	Maize	Bean	Paddy Rice
Haiti's yield as % of average yield of the Caribbean	30 %	48 %	76 %	59 %	78 %
Haiti's yield as % of average yield of Central America	12 %	41 %	83 %	24 %	53 %

Source: Data taken from FAOSTAT (2019)

Table 2 – Agricultural losses due to extreme weather events		
Year	Agricultural losses	Cause
2008	US\$200 million	Flooding (Storms Fay, Gustav, Hanna et Ike)
2012	US\$104 million	Flooding and winds (Hurricanes Isaac and Sandy)
2015	72% of households lost > 80% of their spring harvest	Drought / El Niño
2016	US\$580 million	Flooding and winds (Hurricane Matthew)

Source: Data taken from World Food Program and Food and Agriculture Organization

The Government of Haiti (GoH) has requested the Bank's technical support to help design and implement a program (HA-L1132) to finance measures to increase agricultural income and productivity and decrease agricultural losses, through improved agricultural water and watershed management. The beneficiaries will be small-scale farmers in the Northern, Northeastern and Artibonite watersheds. The program currently in preparation is expected to total \$110,000,000.00 and to be implemented during a 5 year-period. Additionally, the Bank anticipates the preparation of a complementary operation in 2020 (same executing agency, same watersheds) with a focus on irrigation.

In response to the GoH's request, the Bank has approved a non-reimbursable Technical Cooperation (HA-T1247) with the objectives to conduct the necessary activities to help design the grant HA-L1132 while also ensuring the readiness of the complementary program. The TC will therefore also finance some studies on irrigation.

The team's mission:

The Environment Rural Development & Disaster Risk Management team in Haiti (RND/CHA) is looking for a consultant to conduct the economic and financial analysis of the xxx Program (irrigation complement of the HA-1132), including the economic evaluation of overall benefit and cost streams and the corresponding sensitivity analysis.

What you'll do:

- Review studies on the structure of agriculture, irrigation and food sectors of Haiti and the situation of the rural sector. Revise consultancy reports made for the preparation of the project HA-L1132 and irrigation complementary program.
- Participate in missions as part of the project team or independently, if so required, providing guidance to the members of the project team and their national counterparts.
- Define the methodology to be used to evaluate the program, taking into account the nature of the benefits, and define the respective information requirements. It is estimated that the methodological definition will take place during the first visit of the IDB consultant and, at the same time, reporting requirements will be established.
- Perform an economic evaluation using the methodology agreed upon once the basic elements (based on the information collected) have been defined: (i) Identify, describe, quantify and justify the incremental economic benefits (private and public) associated with the preparation and activities of the irrigation program components; (ii) Prepare a cost-benefit analysis and calculate the respective Internal Rate of Return (IRR), including a sensitivity analysis for key variables affecting the results; and (iii) Based on the economic analysis, identify measurable indicators for the program to be used to measure its success, and coordinate the preparation of the information needed to design the respective baseline of the program.
- Perform the financial evaluation of the program.
- Support the analysis with appropriate economic theory and relevant empirical evidence.
- According to the economic evaluation, verify and set goals for the output, outcome and impact indicators of the program.
- Collaborate with the Impact Evaluation consultant to define the indicators for the M&E system and impact evaluation, and the collection of data required for the M&E system.

Reports / Deliverable

You shall produce the following reports:

- III. A preliminary report shall be submitted to the Bank. The report will include the selected methodology and the main benefits and costs identified.
- IV. An Economic Assessment Final Report at the end of its work, which will incorporate the comments of the Ministry of Agriculture and the Bank. This report shall include inter alia: (i) Methodological Background; (ii) Economic and financial analysis of the irrigation complementary program; (iii) The analysis should include, among others: an ex ante estimate of the economic internal rate of return of the program, an ex-ante estimation of net present value, using a discount rate of 12%; (iv) The analysis should identify and define in detail the relevance of benefits used in the calculations along with the respective sources, identify and describe all assumptions made and perform a sensitivity analysis on the results obtained; and (v) Recommendations for the irrigation's project results matrix.

Each report shall be delivered to the Bank electronically in a single file that includes the cover, the main document and the annexes. (Zip files will not be accepted as final reports, due to regulations of Section Records Management).

Payment Schedule

- Upon contract signature: 30% of the total amount of contract
- Upon receipt and acceptance by the Haitian Ministry of Agriculture, Natural Resources and Rural Development (MARNDR) and the Bank of the preliminary report: 40% of the total amount of contract
- Upon receipt and acceptance by the MARNDR and IDB of the final report: 30% of the total amount of contract

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries. The IDB may offer assistance with visa applications for you and your eligible dependents, if needed.

Consanguinity: You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.

Education: You should hold an advanced professional degree in a relevant field such as agricultural economics, economics, policy analysis, finance or MBA.

Experience: You should have at least 5 years of experience in similar activities.

Languages: Good written and verbal communication skills in French and English. Haitian Creole preferred.

Core and Technical Competencies: You should have an established track record in financial and economic analysis of public policies and investments projects, particularly in the agricultural sector and any other skills deemed relevant to carry-out the work.

Opportunity Summary:

Type of contract: Products and External Services Contractual, Lump Sum

Length of contract: 8 months

Starting date: November 1st, 2019

Location: Haiti and consultant's residence.

Responsible person: • Division Leader or Coordinator: Carmine Paolo De Salvo, Rural Development Specialist (RND/CHA) desalvo@iadb.org; and **xxxx**

Requirements: You must be a citizen of one of the [IDB's 48 member countries](#) and have no family members currently working at the IDB Group.

Our culture: Our people are committed and passionate about improving lives in Latin-America and the Caribbean, and they get to do what they love in a diverse, collaborative and stimulating work environment.

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ANNEX C

Haiti

CSD/RND

Support to the preparation of the Rural Development Program with Watershed Approach (HA-L1132)

CONSULTANCY TO PREPARE THE ENVIRONMENTAL AND SOCIAL ANALYSIS OF THE PROGRAM RURAL DEVELOPMENT PROGRAM WITH A WATERSHED APPROACH (HA-L1132)

1. Background and Context

Founded in 1959, in the Inter-American Development Bank (IDB or Bank) it is the main funding source for economic, social and institutional development in Latin America and the Caribbean. The Bank provides loans, grants, guarantees, strategic advice and technical assistance for the public and private sectors.

This consultancy is part of the preparation of HA-L1132, whose interventions are located in Northern, Northeastern and Artibonite watersheds of Haiti. To support the preparation of the HA-L1132, a Technical Cooperation Support to the preparation of the Rural Development Program with Watershed Approach that will finance all the studies, including feasibility studies, ex ante economic analysis, and design of rural roads rehabilitations, and environmental and social assessments for the interventions.

The program has two main infrastructure components:

- a. **Component 1: Waterflow regulation in selected watersheds** The program will finance the construction of flood and erosion control infrastructures in priority gullies and along river banks.
- b. **Component 2. Rural roads in selected watersheds.** To improve access to markets and to support watershed sustainable management, the program will finance the rehabilitation of rural roads

In particular, this consultancy will develop all the environmental and social impact assessments for the project approval, according with the Environmental and Social Safeguards policies of the IADB, including the Environmental and Social Analysis, Environmental and Social Management Plans for each project intervention, if applicable, a livelihood restoration plan and the consultation plan/ strategy for the projects.

The coordination of this consultancy, at the institutional level, will be carried out by the Bank. The Consultant will work in close collaboration with the executing agency and in particular with the environmental and social focal point(s) of the agency for this program. The Consultant will reinforce the capacities of this through joint work in the execution of the activities included in this Consultancy.

2. Activities

The activities to be performed by the consultant include, but are not limited to the following:

- i. Elaboration of a work methodology in which the roles of the executing agency during the process are clearly identified. There will be coordination among all parties involved to determine the appropriate times for visits and meetings.
- ii. The Consultant will hold a first meeting with the executing agency to explain the benefits and the need to conduct environmental impact studies: environmental analyzes for the sample projects and environmental and social management framework for the entire program.
- iii. The Consultant will make field visits and meetings / interviews with local stakeholders and the beneficiaries and groups affected by the project. The participation and relevance of the staff of the executing agency and the Bank in these interviews and visits will be previously determined.
- iv. The Consultant will participate in the methodological discussions of other relevant consultancies¹ contributing their point of view for the correct development of the Consultancy, taking into account the terms of reference signed by them.
- v. The Consultant will identify what information will not be covered by other consultants and will propose, if necessary, specific activities to complete this information.
- vi. The Consultant will develop the reports covered by this consultancy. Reports will contain maps where relevant.

3. Outcomes

A) Initial report, in French, containing the methodology.

B) Intermediate Report I, in French, containing the Environmental and Social Analysis of the interventions in Component 1: Flood and Erosion control of infrastructures and Component2: Rural roads in selected Watersheds. The report will analyze the environmental and social impacts that might occur and result from the construction and operation phases of the project. The report will contain the identification and description of the measures for the mitigation of the possible risks and expected negative impacts. The mitigation measures, and other requirements necessary to prevent, mitigate and monitor the potential risks and impacts identified, will make up the ESMP. It will contain a budget and designated agent for its implementation and monitoring. The report must contain at least the following sections:

- 1. Executive Summary**
- 2. Objectives and Description of the project**
- 3. Environmental and social context**

The data presented in the sections that make up this chapter should be relevant for decision making regarding the location, design, operation and mitigation measures against the adverse impacts of the project.

3.1. Description of the physical environment

3.2. Description of the anthropic environment

3.3. Description of the biotic environment

4. Description of the legislative and regulatory framework

4.1. IDB environmental policies

Review the context and the implications for enforcement of the environmental and social safeguards of the IDB: OP-703: Environmental Policy and Compliance with Safeguards, OP-704: Risk Policy for Natural Disasters, OP-761: Gender Policy, and OP-102: Access to Information Policy. The Consultant will detail the implication of these policies in practical terms (for example, in the documentation or actions required during the preparation, execution and operation phase).

The information will be presented in a table format, clearly and concretely.

4.2. Regulatory and legislative framework in Haiti. Application of regulations

i) Analysis of the applicable legal environment, including laws, rules and general regulations, local rules, communal development plans, national park plans, if any; ii) the institutions in charge of applying the laws and regulations will be determined; iii) those aspects of national legislation that do not meet the requirements of the Bank's environmental and social safeguards will be highlighted; iv) laws, regulations and regulations will determine which phase of the project applies (preparation, execution and operation) and what the implications are (for example, what information should be prepared, at what instances and in what terms).

The information will be presented in a table format, clearly and concretely.

4.3. Rules of construction and exploitation of works

i) Specific rules for the construction, operation and maintenance of the proposed works; ii) the necessary permits (viability or environmental license) and the process of obtaining said permits (type and scope of the necessary studies, approval instances, etc.); iii) regulatory requirements for the granting of licenses and monitoring during the operation phase of the works; iv) for each of the above aspects, the competent institutions in charge at each stage of the processes for acquiring licenses and permits will be specified.

5. Impacts derived from the construction and operation of the project

5.1. Environmental impacts

Direct, indirect and cumulative impacts will be determined and evaluated, differentiating the construction and operation stage, including the impacts on the community (for example, the effects on traffic, access to places of interest), impacts on water, air and soil, impacts to natural critical habitats or natural habitats; the impacts to areas of social and cultural importance, including sites of archaeological interest (if applicable), among other possible impacts to be identified by the consultant. It will also incorporate occupational health and safety and community health and safety considerations during the construction phase.

5.2. Social impacts

This section should consider: (a) the impacts of economic impact of access to basic services; (b) the impacts according to the affected group (differentiating women and vulnerable groups); (c) problems related to land acquisition (if applicable); (d) potential resettlement or economic displacement of the population (if any).

5.3. Analysis of Alternatives:

The analysis of alternatives of the EIA aims to incorporate environmental and social considerations in the initial stages of development planning-project identification and other previous steps-as well as in the subsequent stages of site selection, design and implementation. The inclusion of environmental and social aspects in the early stages can reveal alternative options and ways to achieve the same project objectives that are cost-efficient and in which environmental and social costs (measured either by the severity of the the impacts or for what the measures to mitigate them cost) are lower. The incorporation of the analysis of alternative designs in the consultation mode also provides background to the affected communities and to other interest groups regarding decisions related to the location, size and technology of the proposed project.

6. Environmental and Social Management Plan (ESMP)

It should include the following:

- i. Mitigation measures for each of the impacts identified in the previous section, specifying the structures involved in the preparation, implementation and monitoring of measures, and include the party responsible for each of them: E.g. Construction firm, Executing agency, etc.
- ii. Plan for strengthening the capacities of the executing agency (s) for the implementation of mitigation measures, taking into account whether the agency would implement or monitor them,

- iii. Public consultation plan detailing the responsibilities of each party in public consultations
- iv. Stakeholder engagement plan for the project execution;
- v. Monitoring program and other environmental education of the affected communities;
- vi. Grievance management mechanism for the project execution phase;
- vii. Cost of implementation and monitoring of each plan and the mitigation measures that make up the ESMP, thus obtaining a budget for implementation and monitoring of the ESMP.

7. Risk and disaster assessment

- i) Description of the threats that could affect project interventions considering the climate change scenario for Haiti (or the Caribbean region in its absence);
- ii) Determination of the level of risk based on the probability of occurrence and the expected impact on the infrastructures to be financed by the project, for which quantifiable indicators will be used.

8. PGRD

- i) measures to prevent the most prominent risks, including structural and non-structural risk measures; ii) emergency response measures during the construction and operation phases; iv) institutional organization and a plan to strengthen institutional capacities to implement and monitor the measures; v) budget for the implementation and monitoring of the PGRD.

Annex: Consultation Report

C) Final Report:

- 1. Final Report of Letter B.
- 2. One presentation that includes the main environmental and social impacts of the interventions included in Component 1 and 2, and proposed mitigation measures.

Payment Schedule

		Deadlines
20%	Upon approval of first report	XX
40%	Upon approval of first draft of interim reports (Activity B)	XX
40%	Upon approval of last report (Activity C)	XX

Qualifications:

The professional must comply with the following characteristics: (i) graduated in natural sciences, civil, environmental or agronomic engineering (ii) a minimum of 5 years of proven experience in the

environmental and social evaluation of infrastructure projects, preferably in Haiti and with previous experience in the IDB or other multilateral ones; (iii) experience in environmental identification, preparation, analysis and evaluation with other multilaterals; (iv) effective capacity to work in interdisciplinary teams, write clearly and concisely, meet deadlines and goals.

Contract Length: 6 months

Start date: May 15th, 2019

ANNEX D

CSD/RND

Support to the preparation of the Irrigation Program

CONSULTANCY TO PREPARE THE ENVIRONMENTAL AND SOCIAL ANALYSIS OF THE IRRIGATION PROGRAM

1. Background and Context

Founded in 1959, in the Inter-American Development Bank (IDB or Bank) it is the main funding source for economic, social and institutional development in Latin America and the Caribbean. The Bank provides loans, grants, guarantees, strategic advice and technical assistance for the public and private sectors.

This consultancy is part of the preparation of the Irrigation Program, complement of the operation "Rural Development Program with Watershed Approach" (HA-L1132). Though the specific areas of intervention of the Irrigation Program have not yet been defined, those of the HA-L1132 will take place in the Northern, Northeastern and Artibonite watersheds of Haiti.

To support the preparation of these operations a Technical Cooperation (HA-T1247) will finance all the studies, including feasibility studies, ex ante economic analysis, and design of rural roads rehabilitations, and environmental and social assessments for the interventions as well.

The Irrigation Program has two main infrastructure components :

- Component 1: Waterflow regulation in selected watersheds. The program will finance the construction of flood and erosion control infrastructures in priority gullies and along river banks.
- Component 2. Rural roads in selected watersheds. To improve access to markets and to support watershed sustainable management, the program will finance the rehabilitation of rural roads

In particular, this consultancy will develop all the environmental and social impact assessments for the project approval, according with the Environmental and Social Safeguards policies of the IADB, including the Environmental and Social Analysis, Environmental and Social Management Plans for each project intervention, if applicable, a livelihood restoration plan and the consultation plan/ strategy for the projects.

The coordination of this consultancy, at the institutional level, will be carried out by the Bank. The Consultant will work in close collaboration with the executing agency and in particular with the environmental and social focal point(s) of the agency for this program. The Consultant will reinforce the capacities of this through joint work in the execution of the activities included in this Consultancy.

2. Activities

The activities to be performed by the consultant include, but are not limited to the following:

- vii. Elaboration of a work methodology in which the roles of the executing agency during the process are clearly identified. There will be coordination among all parties involved to determine the appropriate times for visits and meetings.
- viii. The Consultant will hold a first meeting with the executing agency to explain the benefits and the need to conduct environmental impact studies: environmental analyzes for the sample projects and environmental and social management framework for the entire program.
- ix. The Consultant will make field visits and meetings / interviews with local stakeholders and the beneficiaries and groups affected by the project. The participation and relevance of the staff of the executing agency and the Bank in these interviews and visits will be previously determined.
- x. The Consultant will participate in the methodological discussions of other relevant consultancies² contributing their point of view for the correct development of the Consultancy, taking into account the terms of reference signed by them.
- xi. The Consultant will identify what information will not be covered by other consultants and will propose, if necessary, specific activities to complete this information.
- xii. The Consultant will develop the reports covered by this consultancy. Reports will contain maps where relevant.

3. Outcomes

A) Initial report, in French, containing the methodology.

B) Intermediate Report I, in French, containing the Environmental and Social Analysis of the interventions in Component 1: Flood and Erosion control of infrastructures and Component2: Rural roads in selected Watersheds. . The report will analyze the environmental and social impacts that might occur and result from the construction and operation phases of the project. The report will contain the identification and description of the measures for the mitigation of the possible risks and expected negative impacts. The mitigation measures, and other requirements necessary to prevent, mitigate and monitor the potential risks and impacts identified, will make up the ESMP. It will contain a budget and designated agent for its implementation and monitoring. The report must contain at least the following sections:

- a. Executive Summary**
- b. Objectives and Description of the project**
- c. Environmental and social context**

The data presented in the sections that make up this chapter should be relevant for decision making regarding the location, design, operation and mitigation measures against the adverse impacts of the project.

3.1. Description of the physical environment

3.2. Description of the anthropic environment

3.3. Description of the biotic environment

d. Description of the legislative and regulatory framework

4.1. IDB environmental policies

Review the context and the implications for enforcement of the environmental and social safeguards of the IDB: OP-703: Environmental Policy and Compliance with Safeguards, OP-704: Risk Policy for Natural Disasters, OP-761: Gender Policy, and OP-102: Access to Information Policy. The Consultant will detail the implication of these policies in practical terms (for example, in the documentation or actions required during the preparation, execution and operation phase).

The information will be presented in a table format, clearly and concretely.

4.2. Regulatory and legislative framework in Haiti. Application of regulations

i) Analysis of the applicable legal environment, including laws, rules and general regulations, local rules, communal development plans, national park plans, if any; ii) the institutions in charge of applying the laws and regulations will be determined; iii) those aspects of national legislation that do not meet the requirements of the Bank's environmental and social safeguards will be highlighted; iv) laws, regulations and regulations will determine which phase of the project applies (preparation, execution and operation) and what the implications are (for example, what information should be prepared, at what instances and in what terms).

The information will be presented in a table format, clearly and concretely.

4.3. Rules of construction and exploitation of works

i) Specific rules for the construction, operation and maintenance of the proposed works; ii) the necessary permits (viability or environmental license) and the process of obtaining said permits (type and scope of the necessary studies, approval instances, etc.); iii) regulatory requirements for the granting of licenses and monitoring during the operation phase of the works; iv) for each of the above aspects, the competent institutions in charge at each stage of the processes for acquiring licenses and permits will be specified.

e. Impacts derived from the construction and operation of the project

5.1. Environmental impacts

Direct, indirect and cumulative impacts will be determined and evaluated, differentiating the construction and operation stage, including the impacts on the community (for

example, the effects on traffic, access to places of interest), impacts on water, air and soil, impacts to natural critical habitats or natural habitats; the impacts to areas of social and cultural importance, including sites of archaeological interest (if applicable), among other possible impacts to be identified by the consultant. It will also incorporate occupational health and safety and community health and safety considerations during the construction phase.

5.2. Social impacts

This section should consider: (a) the impacts of economic impact of access to basic services; (b) the impacts according to the affected group (differentiating women and vulnerable groups); (c) problems related to land acquisition (if applicable); (d) potential resettlement or economic displacement of the population (if any).

5.3. Analysis of Alternatives:

The analysis of alternatives of the EIA aims to incorporate environmental and social considerations in the initial stages of development planning-project identification and other previous steps-as well as in the subsequent stages of site selection, design and implementation. The inclusion of environmental and social aspects in the early stages can reveal alternative options and ways to achieve the same project objectives that are cost-efficient and in which environmental and social costs (measured either by the severity of the impacts or for what the measures to mitigate them cost) are lower. The incorporation of the analysis of alternative designs in the consultation mode also provides background to the affected communities and to other interest groups regarding decisions related to the location, size and technology of the proposed project.

f. Environmental and Social Management Plan (ESMP)

It should include the following:

- viii. Mitigation measures for each of the impacts identified in the previous section, specifying the structures involved in the preparation, implementation and monitoring of measures, and include the party responsible for each of them: E.g. Construction firm, Executing agency, etc.
- ix. Plan for strengthening the capacities of the executing agency (s) for the implementation of mitigation measures, taking into account whether the agency would implement or monitor them,
- x. Public consultation plan detailing the responsibilities of each party in public consultations
- xi. Stakeholder engagement plan for the project execution;
- xii. Monitoring program and other environmental education of the affected communities;
- xiii. Grievance management mechanism for the project execution phase;

- xiv. Cost of implementation and monitoring of each plan and the mitigation measures that make up the ESMP, thus obtaining a budget for implementation and monitoring of the ESMP.

g. Risk and disaster assessment

- i) Description of the threats that could affect project interventions considering the climate change scenario for Haiti (or the Caribbean region in its absence);
- ii) Determination of the level of risk based on the probability of occurrence and the expected impact on the infrastructures to be financed by the project, for which quantifiable indicators will be used.

8. PGRD

- i) measures to prevent the most prominent risks, including structural and non-structural risk measures; ii) emergency response measures during the construction and operation phases; iv) institutional organization and a plan to strengthen institutional capacities to implement and monitor the measures; v) budget for the implementation and monitoring of the PGRD.

Annex: Consultation Report

D) Final Report:

- C) Final Report of Letter B.
- D) One presentation that includes the main environmental and social impacts of the interventions included in Component 1 and 2, and proposed mitigation measures.

Payment Schedule

		Deadlines
20%	Upon approval of first report	XX
40%	Upon approval of first draft of interim reports (Activity B)	XX
40%	Upon approval of last report (Activity C)	XX

Qualifications:

The professional must comply with the following characteristics: (i) graduated in natural sciences, civil, environmental or agronomic engineering (ii) a minimum of 5 years of proven experience in the environmental and social evaluation of infrastructure projects, preferably in Haiti and with previous experience in the IDB or other multilateral ones; (iii) experience in environmental identification, preparation, analysis and evaluation with other multilaterals; (iv) effective capacity to work in interdisciplinary teams, write clearly and concisely, meet deadlines and goals.

Contract Length: 6 months

Start date: November 1st, 2019

TDR – Etudes de Préfaisabilité d'Investissements dans l'Irrigation

1. CONTEXTE

En Haïti, le secteur agricole joue un rôle socio-économique primordial (plus d'un million d'exploitations agricoles, 25% du PIB, 47% de l'emploi total, 71% de l'emploi en milieu rural), mais se caractérise par une faible productivité, générant notamment une pauvreté et une insécurité alimentaire généralisées en milieu rural.

L'une des causes de cette situation est la faible capacité d'une majorité des producteurs haïtiens à faire face à la forte saisonnalité des précipitations (saison sèche marquée), à une variabilité climatique interannuelle de plus en plus forte, et à des événements climatiques extrêmes de plus en plus violents. En effet, la maîtrise de l'eau en Haïti est faible : en 2009, année du dernier recensement agricole, l'irrigation, reconnue comme étant un facteur déterminant pour l'augmentation de la productivité et la stabilité des rendements, n'était mise en œuvre que sur 10% des terres agricoles.

Depuis des décennies, la politique de l'irrigation, exécutée par l'Etat haïtien et des organisations non gouvernementales avec l'appui financier de grands bailleurs de fonds (notamment la BID, le FIDA, l'Agence française de développement et l'Union européenne...), est orientée vers le financement d'infrastructures d'irrigation collective gravitaire, accompagné d'appuis à la formation d'associations d'irrigants chargés de la gestion de l'eau ainsi que de l'exploitation et la maintenance des infrastructures hydroagricoles – bien que cet appui aux AI se réalise hors cadre légal.

Toutefois, à travers notamment des rapports d'évaluation de projets et de diagnostic de l'état des périmètres irrigués après passage d'ouragans, les informations commencent à s'accumuler quant à la faible durabilité (technique, financière et institutionnelle) des investissements consentis, en particulier dans les périmètres moyens à grands et/ou ceux situés en zones côtières, notamment faute d'entretien (associations d'irrigants défaillantes) et pour cause de destructions récurrentes par les inondations (bassins versants extrêmement dégradés). Par ailleurs, l'administration et les bailleurs résistent à l'idée de promouvoir le financement de l'agriculture via le crédit, estimant que, même en zone irriguée, les capacités des agriculteurs à rembourser des mensualités sont faibles ce qui laisse entendre que l'irrigation a eu un faible impact sur les résultats économiques des exploitations. Enfin, la maintenance d'un bien commun comme les infrastructures d'irrigation suppose un cadre de gouvernance suffisamment stable et lisible pour toutes les parties prenantes pour que les droits et devoirs des usagers et de l'administration soient clairement définis, applicables et mis en œuvre, conditions souvent insuffisantes en Haïti tant du fait de la faiblesse de l'Etat que de l'absence de stratégie coopérative de la part des producteurs.

Par conséquent, les doutes commencent à surgir quant à la pertinence de continuer à appuyer ce modèle. Néanmoins, ces données n'ont jusqu'à présent pas fait l'objet d'une systématisation ni d'une analyse rigoureuse permettant d'accompagner la prise de décision éclairée en matière de politiques et investissements publics.

Le manque de données sur l'efficacité, l'efficience et la durabilité des investissements, est encore plus criant en ce qui concerne (i) De nombreux (>200) petits et très petits périmètres irrigués, recensés sur tout le territoire national ; (ii) Le Programme National de Lacs Collinaires, pourtant en exécution depuis 30 ans ; (iii) Des modèles alternatifs, tant sur le plan organisationnel (irrigation individuelle) que technique (par ex : petites pompes, captation des eaux de ruissellement, micro-irrigation basse pression...), qui se

développent depuis quelques années en Haïti. Des recommandations de promotion massive de ces modèles alternatifs ont été émises à plusieurs reprises, mais sans être, de ce fait, étayées par des éléments solides permettant de supposer que ces modèles seraient plus efficaces, efficients et durables que le modèle dominant.

Enfin, les données disponibles suggèrent, qu'outre le modèle d'irrigation mis en œuvre, les contraintes à la mise en valeur (accès aux intrants, techniques de production, commercialisation...) jouent un rôle important dans la performance des systèmes irrigués ; mais qu'en parallèle, les interventions prétendant affronter toutes ces contraintes dans le cadre d'un même projet se heurtent fréquemment à des difficultés d'exécution issues de la complexité même de ce genre d'opérations, lesquelles ne génèrent donc généralement pas les résultats escomptés.

Depuis 2017, le Gouvernement haïtien et la BID réfléchissent à la possibilité de financer un nouveau Programme de développement rural avec approche bassins versants (HA-L1132) (HA-L1132). De son côté l'AFD réfléchit à renouveler son portefeuille d'intervention dans le secteur agricole à partir de 2019 et cherche donc à capitaliser les expériences d'investissements dans l'irrigation.

Au regard de ces antécédents, avant de confirmer l'allocation financière prévue pour l'aménagement de ces périmètres irrigués, il s'avère nécessaire de réaliser une analyse critique (i) de l'irrigation en Haïti (gestion de l'eau, rentabilité micro-économique, emploi, durabilité financière et entretien des infrastructures), (ii) des options d'investissement possibles en matière d'irrigation, afin d'orienter la prise de décision vers des investissements susceptibles d'être efficaces, efficients et durables ; (iii) des conditions, et notamment des barrières, à la mise en valeur efficace, efficiente et durable de ces investissements.

Dans ce cadre, l'AFD a financé un contrat signé entre le MARND et BRL pour la réalisation d'une consultation dont l'objectif général était de questionner la pertinence de l'irrigation en Haïti pour contribuer à la prise de décision quant aux investissements à réaliser (en irrigation et éventuellement autres actions associées) dans le cadre de programmes d'Irrigation ; et l'objectif spécifique était de disposer (i) d'une analyse comparative rigoureuse (sur la base de données quantifiables) de la performance de différents modèles d'irrigation (déjà existants en Haïti ou à promouvoir) en termes d'efficacité (du point de vue de la production mais aussi de l'emploi et de la création de valeur ajoutée), d'efficience et durabilité ; (ii) d'une analyse des conditions de réalisation de cette performance (par ex. : amont et aval des filières concernées, politiques publiques...) ; (iii) de recommandations stratégiques en matière d'investissements publics à financer.

Les principaux résultats de cette étude sont : **[COMPLÉTER UNE FOIS ÉTUDE FAITE]**

Sur la base des résultats de cette étude, il convient de poursuivre les études pour concrétiser les recommandations émises en phase I.

2. MANDAT

- Identifier les sites pertinents pour le développement de l'irrigation suivant les modèles préconisés par la phase I (irrigation collective, individuelle, gravitaire, sous pression, etc), sur la base des critères suivants :

- Cohérence territoriale avec les sites d'intervention des programmes financés par la BID en matière de protection des bassins versants, appui à l'innovation agricole, sécurisation foncière et réhabilitation de routes rurales ;
- Durabilité environnementale (disponibilité de la ressource en eau, exposition aux risques de désastres naturels, état de dégradation des bassins versants). A cet égard, les études et modélisations disponibles sur les bassins versants réalisées dans le cadre de la préparation du programme HA-L1132 seront mobilisées ;
- Analyser (à partir de données primaires [enquêtes quantitatives et qualitatives collectées auprès d'échantillons représentatifs] d'exploitants agricoles et entretiens avec acteurs clés tels que les associations d'usagers, DDA, BAC, etc.) et secondaires (bibliographie) :
 - Les infrastructures physiques : cartographie et dimensionnement du système, historique des interventions, surface irrigable, surface irriguée, prises, canaux, ouvrages de distribution et de régulation, route d'accès, débits en fonction des saisons, risques et fréquences d'inondation etc.
 - Organisation et gestion sociale de l'eau : association d'irrigants, groupe d'usagers ou de producteurs, évaluation préliminaire du niveau de structuration, règles de gestion de l'eau en vigueur
 - Analyse spatiale des systèmes de cultures et d'élevage mis en œuvre sur le périmètre irrigué (en faisant bien la distinction entre surface actuellement irriguée et surface actuellement irrigable mais non irriguée, ou exploitable intensivement après drainage) : typologie sommaire des exploitations agricoles, description sommaire des systèmes de culture et d'élevage, calendriers culturels, nombre d'exploitants, produit brut et marges brutes actuels par hectare par an et par saison
 - Disponibilité et gestion de l'eau : Analyse de la disponibilité et de la gestion de l'eau au regard des besoins et des potentialités, en fonction des saisons.
- Produire des Avant-Projet Sommaire (APS) :
- Identifier des alternatives d'investissements en matière de :
 - Mobilisation de l'eau et maîtrise des crues : dérivation, barrage, retenue, forage, pompage, renforcement ou modification du réseau hydrographique etc ;
 - Réhabilitation et/ou construction d'ouvrages : prise d'eau, canaux primaires, secondaires et tertiaires, ouvrages de distribution et de régularisation, infrastructures de drainage et d'évacuation des crues, etc.
 - Gestion sociale du périmètre : création/renforcement d'association d'irrigants, formation, etc.
 - Besoins de maintenance et d'entretien
- Analyser la viabilité économique des alternatives :
 - Estimer les coûts d'investissements, de fonctionnement et d'entretien pour chaque alternative ;
 - Estimer les effets des investissements potentiels sur les systèmes de production et la productivité agricole à l'échelle des exploitations agricoles et des périmètres irrigués ou drainés ;
 - Conduire une analyse coût-bénéfice (ACB) de chaque investissement (calcul du taux de rentabilité interne et de la valeur actuelle nette), avec un taux d'actualisation de 12%.

- Réaliser une analyse préliminaire des impacts environnementaux et sociaux liés aux investissements proposés : déplacements de population, coupure de la distribution en eau, extraction de matériaux, modification de lits de rivières, risque de spéculation foncière etc et élaborer un plan de mitigation préliminaire de ces impacts sociaux et environnementaux.
- Prioriser les investissements recommandés, sur la base des critères de viabilité économique, sociale, environnementale et institutionnelle.

Au terme de cette phase, la pertinence de poursuivre les études (phase II) sera analysée par le client et donnera lieu, le cas échéant et sous réserve de prestations satisfaisantes au cours de la phase I, à la signature d'un nouveau contrat pour :

Produire des Avant-Projet Détaillé (APD) : Finaliser les études des investissements prioritaires retenus.

Préparer des Dossiers d'Exécution :

- **Pièces Ecrites**
 - o Cahier des Prescriptions Techniques
 - o Cadre du Bordereau des Prix
 - o Cadre du Devis Estimatif
- **Plans et Pièces Techniques**
 - o Plan Général – Plan de situation – Plan de localisation
 - o Tracé en Plan et profil en long
 - o Profils en travers types
 - o Plans détaillés des ouvrages
 - o Plans d'exploitation des systèmes et des ouvrages
 - o Les notes de calcul
 - o Avant-Métré
 - o Rapports Géotechnique avec le plan d'emplacement des sites de matériaux
 - o Rapport hydrologique

LIVRABLES

- Rapport de diagnostic
- Avant-Projets Sommaires (brouillon)
- Avant-Projets Sommaires (version finale) avec priorisation

PROFIL DU PRESTATAIRE

Le prestataire recherché est un bureau d'étude démontrant les caractéristiques suivantes :

- Expertise dans l'irrigation
- Au moins cinq (5) études similaires
- Expérience en Haïti ou dans des contextes similaires.

Il mettra à la disposition du projet les compétences qu'il juge nécessaire à l'accomplissement de son mandat. Toutefois l'équipe doit contenir au moins :

- Un (1) expert en irrigation, chef de mission ayant une solide expérience générale, préférablement dix (10) ou plus et 3 mandats similaires
- Un (1) ingénieur hydraulique ayant une solide expérience générale, préférablement 10 ans ou plus et 3 mandats similaires
- Un (1) ingénieur rural ou civil, chef de mission ayant une solide expérience générale, préférablement dix (10) ou plus et 3 mandats similaires
- Un (1) agroéconomiste, ayant une solide expérience générale, préférablement 10 ans et 3 mandats similaires, avec une capacité démontrée dans la conduite d'analyse coûts-bénéfices et la conduite d'enquêtes ménages
- Un (1) spécialiste en sociologie rurale, développement communautaire ou discipline connexe, ayant une solide expérience générale (préférablement 7 ans ou plus) et 3 mandats similaires, avec une expérience démontrée dans la gestion sociale de l'eau
- Un (1) spécialiste en évaluation environnementale ayant au moins 5 ans d'expérience générale et 3 mandats similaires

DUREE DES PRESTATIONS

Le prestataire aura environ huit (8) mois pour effectuer ces prestations. Cette période prendra en compte toutes les phases de l'étude incluant les temps d'approbation des rapports.

MODALITE DE PAIEMENT

Produit	Paie ment	Echéance estimée	Conditions de paie ment
Note méthodologique incluant un plan de travail détaillé	15% du montant des honoraires	10 jours à compter de la date de démarrage fixée dans l'ordre de démarrage	Approbation du produit par le MARNDR et la BID
Rapport de diagnostic			
Avant-Projets Sommaires (brouillon)			
Avant-Projets Sommaires (version finale) avec priorisation			

ANNEX F

Consultancy: Rural roads prioritization and preliminary designs for maintenance and repair works

Background

In Haiti, the agricultural sector contributes to 20% of the Gross Domestic Product, 9.2% of total exports value (BRH, 2019), 41% of overall employment (ILO, 2018), 66% of employment in rural areas, and 75% of employment in low income rural households (World Bank, 2017).

However, the Haitian agriculture presents low levels of productivity (Table 1) and high levels of losses (Table 2), associated with farmers' high exposure to adverse climate events and low adaptation capacity (USAID, 2017). According to the Germanwatch Global Climate Risk Index (CRI), Haiti continuously ranks among the countries most affected by extreme weather events world-wide, both in the long-term index and in the index for the respective year (ranked 4th in the CRI 2019 for the period 1998-2017).

Table 1 – Yields for main Haitian crops compared to yields of the Caribbean and Central America					
<i>Product</i>	<i>Banana</i>	<i>Plantain</i>	<i>Maize</i>	<i>Bean</i>	<i>Paddy Rice</i>
Haiti's yield as % of average yield of the Caribbean	30 %	48 %	76 %	59 %	78 %
Haiti's yield as % of average yield of Central America	12 %	41 %	83 %	24 %	53 %

Source: Data taken from FAOSTAT (2019)

Table 2 – Agricultural losses due to extreme weather events		
<i>Year</i>	<i>Agricultural losses</i>	<i>Cause</i>
2008	US\$200 million	Flooding (Storms Fay, Gustav, Hanna et Ike)
2012	US\$104 million	Flooding and winds (Hurricanes Isaac and Sandy)
2015	72% of households lost > 80% of their spring harvest	Drought / El Niño
2016	US\$580 million	Flooding and winds (Hurricane Matthew)

Source: Data taken from World Food Program and Food and Agriculture Organization

The Government of Haiti (GoH) has requested the Bank's technical support to help design and implement a project (HA-L1132) to finance measures to increase agricultural income and productivity and decrease agricultural losses, through improved agricultural water and watershed management. The beneficiaries will be small-scale farmers in the Northern, Northeastern and Artibonite watersheds. The program currently in preparation is expected to total \$110,000,000.00 and to be implemented during a 5 year-period.

General objective of the consultancy:

The general objective of this consultancy is to provide support to the Bank's Project Team in specifying the state of the rural roads in the three intervention areas of the future Program and the investment needs, according to the prioritization of roads to be intervened based on the Rural Access Index methodology developed by UNOPS for the Ministry of Public Works, Transport and Communications (MTPTC), with examples of interventions (pre-designs) and an estimate of the cost of rehabilitation and maintenance for two years.

Detailed tasks:

1. Prioritization of rural roads:

Based on the Rural Access Index methodology developed by UNOPS for the Ministry of Public Works, Transport and Communications (MTPTC), a list of prioritized rural roads will be defined for the following three (3) potential areas of intervention:

- Département du Nord : périmètres : La Tannerie, Plaine du Nord.
- Département du Nord-Est : Périmètres plaine Maribaroux, Marion, Trou du Nord.
- Département de L'Artibonite : 5^{ème} section Bocozele ; Desdunes, Estère, Duclos, Coursin, Grande Saline.

2. Assessment of the condition of prioritized rural roads and elaboration of pre-designs of intervention:

On the basis of the technical specifications to be defined jointly with the MARNDR and the MTPTC for the rehabilitation and maintenance of rural roads, the consultant must propose a series of standard type of interventions (pre-designs), including quantities of work necessary for its improvement and proper functioning throughout the year.

The necessary information is listed below:

- (a) Transversal drainage needs;
- (b) Longitudinal drainage needs;
- (c) Slope and embankment stabilization needs;
- (d) Needs for adjustment of layout and grade, and for the conformation of a platform of minimum dimensions according to present or future traffic;
- (e) Structural package and running surface reinforcement requirements;
- (f) Needs for signaling and safety elements;
- (g) Specific needs not covered in the previous points; and
- (h) Preparation of simplified location diagrams, detailed diagrams and lists of quantities for each road, which may then be used to contract the works.

3. Estimation of rehabilitation and maintenance budgets for the prioritized rural roads:

Preparation of cost estimates, including provisions for rehabilitation and maintenance for two (2) years, as appropriate to the case of each road.

Reports / Deliverables:

The consultant will produce the following reports:

1. An *inception report* (deliverable No.1) shall be submitted to the Bank, including the final methodology and work plan.
2. A *second report* (deliverable No.2) shall be submitted to the Bank, including the results of the prioritization of rural roads.
3. A *third report* (deliverable No.3) shall be submitted to the Bank, including the assessment of the condition of prioritized rural roads and elaboration of pre-designs of intervention.

4. *A fourth and final report* (deliverable No.4) shall be submitted to the Bank, including the estimation of rehabilitation and maintenance budgets for the prioritized rural roads.

Each report shall be delivered to the Bank electronically in a single file that includes the cover, the main document and the annexes (Zip files will not be accepted as final reports, due to regulations of Section Records Management).

Payment Schedule:

- Upon receipt and acceptance by the Bank of the inception report (deliverable No.1): 20% of the total amount of contract.
- Upon receipt and acceptance by the Bank of the second report (deliverable No.2): 30% of the total amount of contract.
- Upon receipt and acceptance by the Bank of the third report (deliverable No.3): 30% of the total amount of contract.
- Upon receipt and acceptance by the Bank of the fourth report (deliverable No.4): 20% of the total amount of contract.

Core and Technical Competencies: Proven experience in road engineering and in particular in the assessment, prioritization and pre-design of rural roads in a similar context as of Haiti.

Opportunity Summary:

Type of contract: Products and External Services Contractual, Lump Sum

Length of contract: 6 months

Starting date: June 1st 2019

Location: Haiti

Responsible persons: Carmine Paolo De Salvo, Rural Development Specialist (RND/CHA) desalvo@iadb.org; and Raphael Dewez, Transport Specialist (INE/TSP).

Requirements: You must be a citizen of one of the [IDB's 48 member countries](#) and have no family members currently working at the IDB Group.

Our culture: Our people are committed and passionate about improving lives in Latin-America and the Caribbean, and they get to do what they love in a diverse, collaborative and stimulating work environment.

We are the first Latin American and Caribbean development institution to be awarded the EDGE certification, recognizing our strong commitment to gender equality. As an employee you can be part of internal resource groups that connect our diverse community around common interests.

We encourage women, afro-descendants, people of indigenous origins, and persons with disabilities to apply.

About us: At the IDB, we're committed to improving lives. Since 1959, we've been a leading source of long-term financing for economic, social, and institutional development in Latin America and the Caribbean. We do more than lending though. We partner with our 48-member countries to provide Latin America and the Caribbean with cutting-edge research about relevant development issues, policy advice to inform their decisions, and technical assistance to improve on the planning and execution of projects. For this, we need people who not only have the right skills, but also are passionate about improving lives.

Our team in Human Resources carefully reviews all applications.

ANNEX G

BANQUE INTERAMÉRICAINNE DE DÉVELOPPEMENT

Termes de Reference

Composante 1 – MDE : *Diagnostic des contraintes internes et externes rencontrées par le MDE dans l'exécution des programmes d'investissements financés par la BID*

Composante 2 - MARDNDR : *Suivi des recommandations pour l'amélioration de l'exécution des projets financés par la BID au MARDNR*

Composante 3 – MARDNDR – HA-L1132 : *Analyse des capacités institutionnelles du MARDNR – PACI- pour le design du Projet de développement rural avec approche bassins versants (HA-L1132) et la rédaction de son Manuel des Procédures Opérationnelles (MPO)*

COMPOSANTE 1 – MDE : DIAGNOSTIC DES CONTRAINTES INTERNES ET EXTERNES RENCONTRÉES PAR LE MDE DANS L'EXÉCUTION DES PROGRAMMES D'INVESTISSEMENTS FINANCÉS PAR LA BID

1- Mise en contexte

Le Ministère de l'Environnement (MDE) met en œuvre un ensemble de programmes d'investissements sur financement de la Banque Inter Américaine de Développement (BID).

Programme	Montant	Unité d'exécution	Accord de don	Statut
Projet Macaya	3.2 MUS\$ 9 MUS\$	UGP Macaya	GRT/FM-11803- HA GRT/HR- 13930-HA	Clôture Exécution
Projet AMP Aquin Saint-Louis	1.8 MUS\$	UGP Aquin	GRT/FM-16314- HA	Eligibilité en cours
Projet Macaya 2	14 MUS\$	UGP Macaya	X	En cours de Design

L'exécution de ces programmes repose sur un ensemble des unités d'exécution décentralisée (dans le Sud), qui partagent en partie les services administratifs et financiers, et les services de passation de marchés de l'Unité de Passation de Marchés. La particularité de l'exécution des projets sur les aires protégées repose sur une double supervision de l'Etat : le MDE est responsable de la bonne exécution et de la gestion financière des projets et l'Agence Nationale des Aires Protégées (ANAP) est en charge de la supervision technique sans pouvoir d'engagement.

Il est envisagé dans les années qui viennent d'augmenter le financement du portefeuille d'investissement, or le MDE montre des délais importants dans l'exécution de certaines activités, liés soit à des problèmes internes, soit à des contraintes externes, qui grèvent sa capacité d'absorption.

2- Mandat

Dans ce cadre il est envisagé de recruter un consultant afin de conduire un diagnostic détaillé des contraintes internes et externes qui affectent l'exécution des programmes financés par la BID, afin de développer : un plan de renforcement et/ou de re-engineering du montage institutionnel pour l'exécution des programmes par le MDE.

3- Activités

Pour mener à bien son mandat, le consultant conduira les activités suivantes :

- Révision des documents de projets, manuel d'opérations des programmes concernés, et tous autres documents pertinents dont l'évaluation finale du projet GEF et les rapports faits par le consultant en charge du renforcement fiduciaire de l'UGP Macaya.
- Entretiens avec le personnel technique et fiduciaire de la BID

- Entretiens avec le personnel technique et fiduciaire des unités d'exécution et autres entités impliquées dans l'exécution. Les entités importantes à rencontrer sont :
 - o UGP Macaya et UGP Aquin
 - o Certaines Directions Techniques du MDE et ANAP (directions techniques et administratives)
 - o Unité de Passation de Marchés
 - o Direction des Affaires Juridiques
 - o Secrétariat Technique du Directeur Général
 - o Cabinet du Ministre
- Diagnostic détaillé des procédures de gestion des activités (planification, suivi, élaboration de TDR/spécifications techniques, passation de marchés, gestion de contrat, etc.) et flux de travail entre les différents acteurs.
- Diagnostic approfondi de la gestion administrative et financière des programmes : organisation hiérarchique interne, organisation du travail et de la communication avec les unités d'exécution, flux de travail et circuit de validation des dossiers, charge de travail et gestion des pics d'activité, gestion des tâches, systèmes d'information, application des politiques en vigueur, possibilité de rationalisation/fusion des services. Analyse des ressources humaines actuellement affectées à chaque UGP (identification des postes principaux, effectif et statut du personnel) ... et leur localisation géographique actuelle (province ou P-au-P) Y compris mention d'une assistance technique éventuelle, permanente ou ponctuelle, venant en appui aux UGP/Programmes. Brève description du système comptable (logiciel utilisé, agents affectés pour chaque programme, existence ou non d'un manuel des procédures de gestion comptable et financière)
- Ce diagnostic devra aussi permettre de conduire l'analyse PACI, en suivant la méthodologie standard de la Banque (Système d'Evaluation des Capacités Institutionnelles, annexe 1)
- Analyse des bases réglementaires et légales régissant le lien entre le MDE et l'ANAP, avec une brève présentation de l'état actuel de la relation ainsi que le développement institutionnel prévu par les textes.
- Analyse des facteurs externes impactant les capacités d'exécution : capacité des entreprises de services, biens et travaux requis pour mener à bien les investissements, administration nationale, conditions de sécurité, autres.
- Analyse de méthodes de rémunération du personnel des programmes
- Sur la base du diagnostic, élaboration (i) d'un plan de renforcement de la capacité d'exécution du MDE, incluant des propositions détaillées et budgétisées telles que : réorganisation interne, formations, assistance technique, révision et rationalisation des « business process », développement de systèmes d'information automatisés, développement de rémunérations basées sur les résultats, etc. Le plan de renforcement devra inclure en annexe les termes de référence / cahier des charges des principales activités prévues ; et (ii) une stratégie d'évolution des services du MDE et de l'ANAP pour la gestion des projets selon le modèle le plus approprié (centralisé ou décentralisé).
- Organiser deux missions de suivi auprès du MDE pour appuyer la mise en œuvre du plan de renforcement.

COMPOSANTE 2 - MARDNDR : SUIVI DES RECOMMANDATIONS POUR L'AMÉLIORATION DE L'EXÉCUTION DES PROJETS FINANCÉS PAR LA BID AU MARDNR

4- Mise en contexte

En 2018, un diagnostic des contraintes internes et externes rencontrées par le MARDNR dans l'exécution des programmes d'investissements financés par la BID a été conduit. Ce travail a permis d'identifier 38 actions à mener par les différents services du MARDNR pour améliorer, actualiser et optimiser les méthodes et outils de gestion du Ministère. Au 15 décembre 2018, l'état le niveau de mise en œuvre est le suivant :

Situation au 15 décembre 2018 (soit 7,5 mois après la diffusion du plan de renforcement des capacités et 5,5 mois après la 1^{ère} mission de suivi)

Structure	A Nombre actions programmées sur mai – novembre 2018	B Nombre actions initiées sur mai-nov 2018	C Nombre actions programmées sur mai-nov 2018 mais non initiées	D Nombre actions programmées postérieurement à novembre 2018	E Nombre d'actions optionnelles prévues mais non actionnées faute de besoin	F <i>TOTAL</i> actions prévues (B+C+D+E)
UPMP	17	7	8	0	2	17
CGF	5	3	2	0	0	5
UGP	7	5	2	0	0	7
Actions communes CGF- UGP	6	2	3	0	1	6
UJ	3	1	2	0	0	3
TOTAL	38	18	17	0	3	38

5- Mandat

Afin de poursuivre cet effort, 4 missions de suivi doivent être conduites en 2019. Chaque mission fera l'objet d'un rapport présentant le niveau d'avancée de la mise en des actions initialement prévues.

6- Activités

- 4 missions de suivi auprès des différents services concernés du MARDNR. Chaque mission devra faire l'objet d'un rapport synthétique. A la suite de la dernière mission, un rapport finale sera élaboré.
- Conception et rédaction des procédures relative au circuit complet et détaillé des contrats, y inclus délais normatifs.

COMPOSANTE 3 - MARDNDR : ANALYSE DES CAPACITÉS INSTITUTIONNELLES DU MARNDR – PACI- POUR LE DESIGN DU PROJET DE DÉVELOPPEMENT RURAL AVEC APPROCHE BASSINS VERSANTS (HA-L1132) » ET LA REDACTION DE SON MANUEL DES PROCEDURES OPERATIONNELLES

7- Mise en contexte

Le projet HA-L1132 est actuellement dans la phase de profil (annexe 1 sera envoyée après validation). Une fois son éligibilité approuvée par le Conseil d'Administration de la Banque, l'équipe de projet doit procéder à la préparation rapide d'une Proposition de Développement de l'Opération (POD, son acronyme en anglais). Le POD comprendra, entre autres aspects, la conception d'un système d'exécution solide permettant la réalisation des produits et des résultats attendus du projet.

Afin de contribuer à la préparation du projet, il est nécessaire de développer une analyse des capacités institutionnelles du MARNDR, qui couvrira les aspects techniques et fiduciaires, en prenant comme cadre de référence les objectifs et les activités qui seront traités avec le projet. Sur la base de l'analyse effectuée et en consultation avec le gouvernement, il conviendrait également de définir le schéma d'exécution,

À cette fin, il est envisagé de faire appel à des services de conseil spécialisés, conformément au présent mandat.

8- Mandat

L'objectif de la consultation pour cette composante est de développer

- 1) Une analyse de la capacité institutionnelle du MARNDR pour l'exécution du HA-L1132. L'analyse comportera les dimensions suivantes : (i) aspects normatifs, (ii) ressources humaines, (iii) aspects techniques, (iv) passation de marchés, (v) gestion financière et (vi) contrôles internes et externes ; parmi d'autres qui seront identifiés comme pertinents.
- 2) Une proposition de plan d'exécution, conforme au cadre légal national, ainsi qu'aux lignes directrices établis dans la stratégie de la BID en vigueur avec le pays

9- Activités

L'analyse de la capacité institutionnelle du MARNDR et le plan d'exécution proposé devraient être abordés, dans leurs différentes dimensions, par rapport aux objectifs et activités à exécuter dans le cadre du projet, ainsi qu'aux politiques qui régissent la gestion financière et de passation de marchés des opérations de la Banque. Pour accomplir son travail, le consultant rencontrera l'équipe de projet de la Banque pour discuter des leçons apprises et des recommandations de la BID pour faire face aux travaux, sur la base de leur expérience dans l'exécution de projets en Haïti et dans la région.

Le consultant mènera les activités suivantes, dont l'énonciation est indicative et non limitative :

9.1) Analyse PACI et proposition du schéma d'exécution du Projet

- Analyser le cadre juridique actuel, en déterminant si les activités prévues dans le projet sont couvertes par le cadre actuel ou si des ajustements sont nécessaires pour sa mise en œuvre. Ce cadre comprend, entre autres, la loi organique sur le budget, la loi sur les marchés publics, la loi organique du contrôleur général des comptes et la loi organique du MARNDR; ainsi que leurs réglementations respectives.
- Cartographier les principaux acteurs gouvernementaux et intervenants, qui soutiennent actuellement le MARNDR ; ainsi que les projets et activités spécifiques auxquels ils participent.
- Réaliser une analyse organisationnelle du MARNDR en établissant - pour les domaines techniques clés et fonctions à renforcer - sa structure organisationnelle, ses fonctions ainsi que la disponibilité et le profil de ses ressources humaines. L'analyse comprendra une identification des lacunes en ressources humaines nécessaires à la bonne exécution du projet.
- Examiner les processus actuels d'exécution des projets recevant un financement externe qui sont actuellement exécutés par l'entité; y compris, entre autres, l'identification des différents types d'unités d'exécution (le cas échéant), leur statut juridique et administratif, les mécanismes de coordination avec les responsables des processus techniques, le processus de suivi, les aspects administratifs et financiers associés à l'exécution desdits projet, en identifiant les principaux goulots d'étranglement qui affectent leur implémentation.
- Effectuer une analyse de la passation des marchés, en étudiant notamment: (i) le cadre réglementaire pour la passation des marchés, (ii) la capacité de l'agence d'exécution et l'adéquation des processus, y compris le degré de connaissance des politiques d'approvisionnement pour les projets exécutés avec Ressources de la Banque, (iii) les ressources humaines disponibles dans le domaine de passation des marchés, (iv) les différentes structures organisationnelles (le cas échéant) utilisées pour effectuer des acquisitions avec des projets financés avec des ressources extérieures, et (v) les risques (institutionnels, politiques et autres) qui pourraient affecter négativement les processus. L'annexe 2 (qui sera envoyée après validation) présente le budget préliminaire du projet, dans lequel la nature des acquisitions à effectuer peut-être appréciée.
- Effectuer une analyse de la gestion financière en étudiant, entre autres: (i) les mécanismes de formulation budgétaire pour les projets recevant un financement externe, (ii) la disponibilité de systèmes de gestion financière et comptable, (iii) la gestion de trésorerie, (iv) les rapports financiers, (v) l'environnement de contrôle interne, et (vi) l'analyse des flux, processus et temps impliqués dans la gestion financière de l'entité pour les questions budgétaires, de paiement et registres comptables, entre autres.

- Identifier les compléments possibles à l'analyse des risques pour l'exécution du projet, sur la base des risques et des mesures d'atténuation déjà identifiés dans le profil du projet.
- De manière générale, fournir tous les éléments permettant de répondre aux questions posées dans l'outil PACI récemment approuvé par la Banque (Annexe 3). **NB : la version transmise avec ces TDR est une version provisoire de l'outil. La version finale sera transmise en Avril. Le consultant doit se baser sur cette version provisoire pour son offre mais le livrable attendu devra lui se baser sur la version finale.**
- Fournir des informations pour la conception du schéma d'exécution du projet, y compris des recommandations sur : (i) la nature de l'unité d'exécution du projet (UE), (ii) les relations et dépendances fonctionnelles suggérées, (iii) les rôles et responsabilités des membres de l'UE en ce qui a trait à la coordination, l'appui technique, le suivi, la passation des marchés, les finances.
- Le consultant fournira des critères sur les avantages et inconvénients des schémas d'exécution alternatifs qui pourraient être identifiés.
- Préparer des recommandations pour les ajustements institutionnels nécessaires au MARNDR afin d'améliorer la capacité d'exécution du projet. Ce travail sera fait en lien avec la composante 2 de cette consultation.
- Appuyer l'équipe de projet de la Banque dans la définition du plan d'exécution du projet et dans la préparation de l'annexe III du POD. Ce travail inclura la participation du consultant aux réunions de travail (en Haïti ou par Vidéoconférence).

9.2) Elaboration du manuel de procédures.

- Rédiger le Manuel d'opération du projet HA-L1132 sur la base de l'analyse menée ainsi que des fiches techniques de renforcement du MARDNR (cf. composante 2). La rédaction du manuel pourra se faire uniquement une fois l'activité 9.1 validée.

10- Profil du consultant

Le Bureau d'Études devra mobiliser l'équipe multidisciplinaire suivante :

Composante 1 (MdE – ANAP)

- 1 expert international en analyse organisationnelle/gestion de projet/en passation des marchés publics /renforcement institutionnel, chef de mission ;
- 1 expert national dans le domaine de l'administration-comptabilité, avec expérience spécifique en préparation de manuels de procédures / gestion fiduciaire et avec une connaissance des projets financés par la BID exécutés par les Ministères ;

Composantes 2 et 3 (MARNDR)

- 1 ou 2 experts internationaux en analyse organisationnelle/gestion de projet/passation des marchés publics /renforcement institutionnel, dont l'un d'entre eux sera chef de mission en cas de pluralité d'intervenants (dans cette hypothèse le chef de mission pour la composante 2 sera le même que pour la composante 1 ; il pourrait également occuper le poste de chef de mission pour la composante 3).
- Le consultant peut proposer d'autres experts-clefs (locaux ou internationaux) selon les besoins identifiés. Le consultant devra justifier l'ajout d'experts dans sa proposition.

Les spécialistes devront être détenteurs de titres universitaires dans les domaines professionnels décrits. Ils devront pouvoir témoigner de plus de 5 ans d'expérience dans le domaine de leur compétence, dans divers pays en voie de développement. Ils doivent parler et écrire couramment le français.

11- Livrables

Les livrables attendus sont les suivants :

Livrables	Echéancier	Paiement
Comp 1 +2 + 3 : Chronogramme prévisionnel d'activités	1 mois après la signature du contrat	20%
Comp 2 : Rapport de mission de suivi 1 du MARDNR	1 mois après la signature du contrat	5%
Comp 1 : Analyse PACI du MDE	3,5 mois après signature du contrat	20 %
Comp 2 : Rapport de mission de suivi 2 du MARDNR	3-3,5 mois après signature du contrat	5%
Comp 1 Rapport de diagnostic des contraintes internes et externes rencontrées par le MDE dans le cadre de l'exécution des programmes financés par la BID Comp 3 : Projet de rapport d'analyse des capacités institutionnelles du MARDNR, comprenant (i) la matrice PACI remplies à tous les niveaux (ii) les recommandations, qui abordent les problèmes décrits dans la section précédente (iii) une/des proposition(s) relative(s) au schéma d'exécution du nouveau projet HA-L1132.	5 mois après signature du contrat	25%
Comp 1 : Plan de renforcement et/ou reengineering du MDE dans le cadre de l'exécution des programmes financés par la BID, avec les TDR/CDC des principales activités prévues Comp 3 : Le rapport final accepté par la Banque (hors manuel d'opération du HA-L1132)	6,5 mois après signature du contrat	10%
Comp 1 : Rapport de mission de suivi 1 du MDE 3 1,5 mois après la validation du plan Comp 2 : Rapport de mission de suivi 3 du MARDNR	6 8 mois après signature du contrat	5%
Manuel des procédures opérationnelles du HA-L1132 (rédaction après validation rapport final C3)	8,5 mois après signature du contrat	5%
Comp 1 : Rapport de mission de suivi 2 du MDE- 2 mois après la 1ère mission de suivi Comp 2 : Rapport de mission de suivi 3 4 du MARDNR	10 mois après signature du contrat	5%

12- Modalités

- Catégorie et modalité de la mission : contrat rémunéré au produit (PEC)
- Durée du contrat : 10 mois
- Lieu de prestation des services : Haïti et domicile
- Supervision : Géraud Albaret (gerauda@iadb.org)

Rémunération et conditions d'emploi : La rémunération sera déterminée conformément aux règlements et aux critères de la Banque. La Banque pourra en outre contribuer aux frais de déplacement et de déménagement, le cas échéant. Si le candidat n'est pas citoyen ou résident du pays où il fournira ses services, la Banque l'aidera à obtenir le permis de travail ou le visa nécessaire. Si le candidat ne peut obtenir le permis de travail ou le visa nécessaire pour travailler à la BID, l'offre de contrat sera retirée.

Parenté : Les personnes ayant des membres de leur famille travaillant pour la Banque, jusqu'au quatrième degré de parenté par le sang et au deuxième degré de parenté par le mariage, ne sont pas éligibles. Ceci s'applique tant aux employés qu'aux contractuels. Les candidats doivent être citoyens d'un pays membre de la Banque interaméricaine de développement.

Diversité : La BID s'est engagée au respect de la diversité et de l'inclusion et prône l'égalité des opportunités d'emploi. La Banque ne pratique pas de discrimination sur la base du genre, de l'âge, de l'éducation, de l'origine nationale, de la race, du handicap, de l'orientation sexuelle, de la religion et du statut concernant le VIH-sida. Nous encourageons la candidature de femmes et de membres des peuples autochtones.

ANNEX H

HAITI - RND/CHA - Recrutement d'un Consultant spécialisé en génie civil

ATTRIBUTIONS

Contexte

Fondée en 1959, la Banque interaméricaine de développement (BID ou Banque) est la principale source de financement du développement économique, social et institutionnel de l'Amérique latine et des Caraïbes. La Banque fournit des prêts, des subventions, des garanties, des conseils stratégiques et une assistance technique aux secteurs public et privé.

Le Gouvernement haïtien a sollicité l'appui technique de la BID pour l'élaboration et l'implémentation d'un projet (HA-L1132) destiné à financer des mesures visant à accroître les revenus et la productivité de l'agriculture et à réduire les pertes agricoles, grâce à une gestion améliorée de l'eau agricole et des bassins versants. Les bénéficiaires seront des petits agriculteurs des bassins versants du Nord, du Nord-Est et de l'Artibonite. Le programme en cours de préparation devrait s'élever à 110, 000, 000 USD et être mis en œuvre sur une période de 5 ans.

En réponse à la demande du Gouvernement, la Banque a approuvé une coopération technique non remboursable (HA-T1247) ayant pour objectif de mener les activités nécessaires à la conception du projet HA-L1132.

Objectif(s) de la mission

Dans ce cadre, la Banque Interaméricaine de Développement recherche un consultant spécialisé en génie civil afin d'appuyer la préparation du projet HA-L1132, en particulier en accompagnant les études hydrauliques et d'infrastructures qui seront effectuées par différentes institutions et consultants et en fournissant des recommandations sur les produits qui seront fournis par ceux-ci.

Activités principales

Le candidat sélectionné devra, en collaboration avec les spécialistes sectoriels de la Banque et le Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural (MARNDR) ::

- Réaliser une revue littéraire succincte sur les opérations du secteur en question afin de cerner les approches et dynamiques mises en œuvre ;
- Rencontrer toutes les unités d'exécution des opérations reliées au HA-L1132, particulièrement les équipes techniques et de passation de marchés ;
- Tenir un inventaire complet de tous les chantiers prévus et en cours d'exécution concernant la construction d'infrastructures rurales et bâtiments publics inclus dans les opérations du secteur financées par la BID. L'inventaire inclura, pour chaque programme, les données basiques (techniques et financières) de tous les ouvrages ;
- Rencontrer les différentes entreprises et équipes impliquées dans la conception des travaux ;
- Réaliser des missions avec ces dernières, afin de participer à des réunions et missions clés ;
- Elaborer des rapports de mission comprenant au moins, pour chaque ouvrage :
 - La description et l'état d'avancement ;
 - Commentaires sur la supervision et conduite des chantiers ;
 - Les problèmes, goulots d'étranglements et commentaires techniques sur la qualité des ouvrages ;

- Des propositions d'actions concrètes à mettre en œuvre destinées à améliorer la conception, supervision et exécution des ouvrages
- Réviser et commenter les termes de références, dossiers techniques, dossiers d'appel d'offres et différents rapports envoyés par les entités à la Banque. Si nécessaire, se réunir avec les unités d'exécution et les spécialistes sectoriels ;
- Contribuer à l'élaboration de stratégie pour la conception, supervision et exécution de projets d'infrastructures rurales et bâtiments publics ;
- Appuyer les unités d'exécution, et particulièrement les ingénieurs civils/ruraux, dans l'élaboration d'outils de suivi et gestion de chantiers, et veiller à leur application ;
- Contribuer à développer les outils et base de données d'informations géographiques (SIG) au sein de certaines unités d'exécution, et contribuer à produire ces informations en fonction des besoins exprimés par les spécialistes sectoriels.
- Alimenter un référentiel de coûts unitaires de la construction mis au point par la Représentation
- Contribuer à toutes autres tâches à la demande des spécialistes sectoriels

Rapports / services à fournir

- Rapports de mission
- Rapports mensuels d'activités
- Cartes thématiques

Qualifications

- Titre/Niveau universitaire & années d'expérience professionnelle : Titulaire d'une Maîtrise ou d'un diplôme d'ingénieur civil
- Au minimum dix années d'expérience professionnelle en conception, supervision ou exécution de projets d'ingénierie rurale et civile, incluant des travaux similaires à ceux inclus dans les opérations du secteur (infrastructures rurales de gestion de l'eau, aménagement de bassins-versants, bâtiments publics, voiries).
- Langues : Français, Créole et anglais ou espagnol.
- Spécialisation(s) : Génie Civil
- Compétences : Connaissance du fonctionnement des programmes financés par la coopération bilatérale ou multilatérale ; Connaissance des politiques et normes de passation de marchés des programmes financés par la coopération bilatérale ou multilatérale ; Connaissance du contexte haïtien
- Maîtrise des outils et base de données d'informations géographiques (SIG)
- Capacités d'analyse et de synthèse. Capacités démontrées pour le travail en équipe et avec des interlocuteurs gouvernementaux.

Description de la mission

- Catégorie et modalité de la mission : Consultant,
- Durée du contrat : 18 mois avec une période d'essai de 3 mois.
- Date de début : 1 juin 2019
- Lieu de prestation des services : Bureau de la représentation de la BID à Port-au-Prince, avec des déplacements fréquents en province.
- Personne Responsable : Spécialistes sectoriels

ANNEX I

Consultation : Consultant(e) en management d'opérations

Contexte

Fondée en 1959, la Banque interaméricaine de développement (BID ou Banque) est la principale source de financement du développement économique, social et institutionnel de l'Amérique latine et des Caraïbes. La Banque fournit des prêts, des subventions, des garanties, des conseils stratégiques et une assistance technique aux secteurs public et privé.

Le Gouvernement haïtien a sollicité l'appui technique de la BID pour l'élaboration et l'implémentation d'un projet (HA-L1132) destiné à financer des mesures visant à accroître les revenus et la productivité de l'agriculture et à réduire les pertes agricoles, grâce à une gestion améliorée de l'eau agricole et des bassins versants. Les bénéficiaires seront des petits agriculteurs des bassins versants du Nord, du Nord-Est et de l'Artibonite. Le programme en cours de préparation devrait s'élever à 110, 000, 000 USD et être mis en œuvre sur une période de 5 ans.

En réponse à la demande du Gouvernement, la Banque a approuvé une coopération technique non remboursable (HA-T1247) ayant pour objectif de mener les activités nécessaires à la conception du projet HA-L1132. **Objectif(s) de la mission**

Dans ce cadre, la Banque Interaméricaine de Développement recherche un(e) consultant(e) en management d'opérations chargé(e) d'appuyer la préparation du projet HA-L1132. Elle recherche en particulier un(e) professionnel(le) qui assurera la coordination et le suivi de l'avancement de

la TC HA-T1247 et qui appuiera la supervision technique et la gestion administrative de toutes les études à mener dans le cadre de la préparation du HA-L1132 et de d'autres opérations.

Activités principales :

Le/la candidat(e) sélectionné(e) devra :

- Appuyer les firmes et consultants qui seront recrutés dans la préparation et la soumission de rapports réguliers de qualité suivant les délais contractuels et préalablement définis.
- Appuyer la coordination des firmes et consultants qui seront recrutés et les chefs d'équipe de projet (TL) à la BID dans le monitoring de la mise en œuvre des activités de la TC(respect du programme de travail, du chronogramme et des échéances) ; émettre des alertes pour anticiper les retards ; proposer des pistes de solution et faire des recommandations en cas de non-respect des délais convenus.
- Appuyer la Banque et le MARNDR dans le suivi des dossiers techniques relatifs aux prestataires engagés dans le cadre des projets.

Qualifications :

- **Education** : Masters en Administration, Finance, Économie, Ingénierie, Génie, Gestion de Projets, Science ou équivalent.
- **Expérience** : 6 ans minimum d'expérience en stratégie de développement, programmation, évaluation et coordination, gestion de projet et programmes de développement. Une première expérience des systèmes et procédures opérationnelles de la BID ou des institutions similaires est un atout.
- **Langues** : Français courant, maîtrise de l'Anglais ou de l'Espagnol obligatoire.

Compétences :

- Capacité à comprendre les besoins des clients.
- Compétence en résolution des problèmes et contrôle des risques.
- Capable de servir des demandes multiples, changement de priorités et changements.
- Bonne capacité à communiquer et à travailler en équipe.
- Bonne capacité analytique, quantitative, d'organisation et de programmation.
- Créatif (ve) et innovant (e), habilité à partager ses connaissances et expertise pour améliorer l'efficacité de l'organisation.

Description sommaire de la mission :

- **Catégorie et modalité de la mission** : contrat à durée temporaire, (TTC) mensuel
- **Durée du contrat** : 12 mois
- **Date de début** : 1er mai 2019
- **Lieu de prestation des services** : Représentation de la BID en Haïti, Port-au-Prince
- **Personne Responsable** : Carmine Paolo De Salvo – CHA/RND

- **Obligation** : Le (la) consultant(e) doit être ressortissant d'un des 48 pays membres de la BID et ne doit pas avoir de membres de sa famille qui travaillent déjà pour la BID.

Notre Culture : En travaillant avec nous, vous serez entouré d'un groupe diversifié de personnes qui ont des années d'expérience dans tous les domaines du développement, y compris les transports, la santé, le genre et la diversité, les communications et bien plus encore.

A propos de nous : À la Banque Interaméricaine de Développement, nous sommes dévoués à l'amélioration des vies. Depuis 1959, nous sommes une source majeure de financement à long terme pour le développement économique, social et institutionnel en Amérique latine et dans les Caraïbes. Nous faisons plus que de prêter. Nous collaborons avec nos 48 pays membres pour fournir à l'Amérique latine et aux Caraïbes des recherches de pointe sur les questions de développement pertinentes, des conseils stratégiques pour éclairer leurs décisions et une assistance technique pour améliorer la planification et l'exécution des projets. Pour cela, nous avons besoin de personnes qui ont non seulement les bonnes compétences, mais qui sont aussi passionnées par l'amélioration des vies.

Païement et conditions : La rémunération sera déterminée conformément aux politiques et aux procédures de la Banque. La Banque, conformément aux politiques applicables, peut contribuer aux frais du voyage et du déplacement. En outre, les candidats doivent être des citoyens d'un pays membre de la Banque Interaméricaine de Développement.

Visa et permis de travail : La Banque, conformément aux politiques applicables, peut présenter une demande de visa aux autorités migratoires ; toutefois, l'attribution du visa est à la discrétion des autorités migratoires. Néanmoins, le candidat reste responsable de l'obtention du visa ou du permis de travail requis par les autorités du pays où les services seront rendus à la Banque. Si un candidat ne peut pas obtenir un visa ou un permis de travail pour rendre des services à la Banque, l'offre contractuelle sera annulée.

La consanguinité : Conformément à la politique de la Banque, les candidats qui ont des parents (y compris le quatrième degré de consanguinité et le deuxième degré d'affinité, y compris le conjoint) travaillant pour la Banque en tant que membres du personnel ou en tant que contractuels des effectifs complémentaires, ne seront pas admissibles à fournir des services à la Banque.

Diversité : La Banque est engagée dans la diversité, l'inclusion et l'égalité des chances pour tous les candidats. Nous considérons la diversité sur la base du sexe, de l'âge, de l'éducation, de l'origine nationale, de l'origine ethnique, de la race, du handicap, de l'orientation sexuelle, de la religion, et du statut VIH / SIDA. Nous encourageons les femmes, les Afro-descendants et les personnes d'origine autochtone à postuler.

PROCUREMENT PLAN FOR IDB-EXECUTED OPERATIONS														
Country: Haiti					Executing Agency: IDB					UDR: RND/CHA				
Project number: HA-T1247					Project name: Support to the preparation of the Rural Development Program with Watershed Approach (HA-L1132)									
Period covered by the Plan: 24 months					Total Project Amount: US\$1,100,000									
Component	Procurement Type (1) (2)	Service type (1) (2)	Description	Estimated contract cost (US\$)	Selection Method (2)	Type of Contract	Source of Financing and Percentage				Estimated date of the procurement notice	Estimated contract start date	Estimated contract length	Comments
							IDB/MiF		Other External Donor					
							Amount	%	Amount	%				
Component 1	A. Consulting services	Individual Consultant (AM-650)	Ex-ante Economic Analysis Consultant (HA-L1132)	\$ 50,000	SSS	Lump Sum	\$ 50,000	100%	\$ -	0%	1-May-19	1-Jun-19	8 months	Justification of SSS is based on the consultants' prior very satisfactory experience with the Bank for similar services (Sébastien Gachot)
Component 1	A. Consulting services	Individual Consultant (AM-650)	Ex-ante Economic Analysis Consultant (Irrigation)	\$ 50,000	SSS	Lump Sum	\$ 50,000	100%	\$ -	0%	1-Oct-19	1-Nov-19	8 months	Justification of SSS is based on the consultants' prior very satisfactory experience with the Bank for similar services (Sébastien Gachot)
Component 1	A. Consulting services	Consulting Firm (GN-2765)	Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP) Consultant (HA-L1132)	\$ 150,000	SSS	Lump Sum	\$ 150,000	100%	\$ -	0%	1-Apr-19	15-May-19	6months	Social and Environmental Assessment and Management Plan: it is proposed to hire the firm “Aude Archambaud” based on very satisfactory prior similar experience with the Bank in Haiti, combined with repeated insatisfactoryunsatisfactory experiences with other firms and the difficulty to identify consultants able to comply with the BankIDB's standards . This case corresponds to the situation established in the section IV.A.4.1.(3)(d) of GN-2765-1, “When only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition”
Component 1	A. Consulting services	Consulting Firm (GN-2765)	Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP) Consultant (irrigation)	\$ 150,000	SSS	Lump Sum	\$ 150,000	100%	\$ -	0%	1-Oct-19	1-Nov-19	6 months	Social and Environmental Assessment and Management Plan: it is proposed to hire the firm “Aude Archambaud” based on very satisfactory prior similar experience with the Bank in Haiti, combined with repeated insatisfactoryunsatisfactory experiences with other firms and the difficulty to identify consultants able to comply with the BankIDB's standards . This case corresponds to the situation established in the section IV.A.4.1.(3)(d) of GN-2765-1, “When only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition”
Component 1	A. Consulting services	Consulting Firm (GN-2765)	Design of Small Irrigation Infrastructures	\$ 300,000	SSS	Lump Sum	\$ 300,000	100%	\$ -	0%	1-May-19	31-Dec-19	8 months	Design of Small Irrigation Infrastructures: This activity will be conducted based on the conclusions of an ongoing study “Capitalization of lessons learnt on 20 years of investment in irrigation in Haiti”, executed by the firm “BRL” and financed by the French Agency for Development (AFD for its French acronym). BRL was hired based on ToRs jointly prepared by the Bank and AFD. Those ToRs explicitly mention that the current study (“phase I”) should be followed by a second study (“phase II”) orientated at preparing the design for investments identified, during phase I, as the most effective and sustainable options in the Haitian context; . The outputs will be technical feasibility studies and executive designs of further investments to be financed by a possible future irrigation program. The SSS is consistent with the case established in the section IV.A.4.1.(3)(a) of GN-2765-1 “For tasks that represent a natural continuation of previous work carried out by the firm”
Component 1	A. Consulting services	Consulting Firm (GN-2765)	Design of Rural Roads Rehabilitation	\$ 100,000	SSS	Lump Sum	\$ 100,000	100%	\$ -	0%	1-Apr-19	1-Jun-19	6 months	Design of Rural Roads Rehabilitation: This activity will be conducted with the support of UNOPS based on the methodology they developed for the Government of Haiti and that is being implemented for a World Bank financed operation. UNOPS will specify the state of the rural roads in the three intervention areas of the future operation and estimate the investment needed. The outputs will be (i) Prioritization of rural roads based on Rural Access Index for the three departments and with a focus on areas where RND operations are being implemented; (ii) Assessment of the condition of prioritized rural roads and elaboration of pre-designs of intervention, and (iii) Estimation of rehabilitation and maintenance budgets for the prioritized rural roads (including 2 year maintenance plan). The SSS is consistent with the case established in the section IV.A.4.1.(3)(d) of GN-2765-1, “When only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition”

Component 1	A. Consulting services	Consulting Firm (GN-2765)	Institutional analysis	\$ 70,000	SSS	Lump Sum	\$ 70,000	100%	\$ -	0%	1-Apr-19	1-May-19	10 months	Institutional analysis /Application of PACI, and institutional support to the Executing Agency. It is proposed that the PACI tool be applied to the MARNDR by the firm "Institutions et Développement" (I&D), considering that since 2012 (preparation of a series of Policy Based Grants orientated at the agricultural sector reform), this firm has been working in very closed collaboration with the Bank and the MARNDR in their joint efforts to strengthen the institution, through diagnostics and permanent coaching in areas such as human resources management, planning and monitoring, procurement, general organization and organic law, with a special focus on bottlenecks that affect the performance of Bank-financed operations. No consultant other than I&D better knows the MARNDR and benefits from better confidence from this institution. Pursuing the best practices implemented since 2012, the IDB team will be closely involved in all activities performed by I&D. The output will be standard institutional analysis study required by the Bank for the design of any loan proposal. The SSS is consistent with the case established in the section IV.A.4.1.(3)(d) of GN-2765-1, "When only one firm is qualified or has experience of exceptional worth for the assignment and it presents a clear advantage over competition";
Component 2	A. Consulting services	Individual Consultant (AM-650)	Hydraulic and Infrastructure consultant	\$ 180,000	ICQ	Lump Sum	\$ 180,000	100%	\$ -	0%	1-Apr-19	1-Jun-19	18 months	Italian Citizen (consultancy to be financed by Italian Trust Fund)
Component 2	A. Consulting services	Individual Consultant (AM-650)	Coordination and Monitoring Consultant	\$ 50,000	SSS	Lump Sum	\$ 50,000	100%	\$ -	0%	1-Apr-19	1-May-19	12 months	Justification of SSS is based on the concept of services continuity, the consultant has provided the RND/CHA team with very satisfactory services in coordination and monitoring activities (Pierre Clavens)
Prepared by:			TOTALS	\$ 1,100,000			\$ 1,100,000	100%	\$ -	0%				
(1) Grouping together of similar procurement is recommended, such as publications, travel, etc. If there are a number of similar individual contracts to be executed at different times, they can be grouped together under a single heading with an explanation in the comments column indicating the average individual amount and the period during which the contract would be executed. For example: an export promotion project that includes travel to participate in fairs would have an item called "airfare for fairs", an estimated total value od US\$5,000, and an explanation in the Comments column: "This is for approximately four different airfares to participate in fairs in the region in years X and X1".														
(2) (i) Individual consultants: ICQ: Individual Consultant Selection Based on Qualifications; SSS: Single Source Selection. Selection process to be done in accordance with AM-650.														
(2) (ii) Consulting firms: Per GN-2765-1, Consulting Firm selection methods for Bank-executed Operations are: Single Source Selection (SSS); Simplified Competitive Selection (<=250K) (SCS); Fully Competitive (>250K) (FCS); and Framework Agreement Task Order (TO). All Consulting Firm selection processes under this policy must use the electronic module in Convergence.														
(2) (iii) Goods: Per GN-2765-1, par. A.2.2.c: "The procurement of goods and related services, except when such goods and related services are necessary to achieve the objectives of the Bank-executed Operational Work and are included in the consulting services contract and represent less than ten percent (10%) of the consulting services contract value."														

Note: 50% of the ITC resources will be executed by providers/consultants of Italian nationality, as ITC funds are tied.