

DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

**REGIONAL**

**GEF CREW+: AN INTEGRATED APPROACH TO WATER AND WASTEWATER  
MANAGEMENT USING INNOVATIVE SOLUTIONS AND PROMOTING FINANCING  
MECHANISMS IN THE WIDER CARIBBEAN REGION**

**(RG-T3412)**

**TECHNICAL COOPERATION DOCUMENT**

This document was prepared by the project team consisting of: David Wilk, Team Leader (INE/WSA); Maria del Rosario Navia, Co-Team Leader (INE/WSA); Pedro Moreo and Rodrigo Riquelme (WSA/CME); Evan Cayetano (WSA/CJA); Omar Garzonio (WSA/CPN); Keisuke Sasaki and Marilyn I. Guerrero (INE/WSA); Marle Reyes (CGY/WSA); Pilar Jimenez de Arechaga (LEG/SGO); Marco Andres Aleman (VPC/FMP); Denise Ann Salabie (VPC/FMP); and Doris Melissa Barandiaran (VPS/ESG).

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## TECHNICAL COOPERATION DOCUMENT

### I. Basic Information for TC

▪ Country/Region:	Regional
▪ TC Name:	GEF CReW+: An integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Wider Caribbean Region
▪ TC Number:	RG-T3412
▪ Team Leader/Members:	David Wilk, Team Leader; Maria del Rosario Navia, Co-Team Leader (INE/WSA); Rodrigo Riquelme (WSA/CME); Evan Cayetano (WSA/CJA); Omar Garzonio (WSA/CPN); Keisuke Sasaki and Marilyn I. Guerrero (INE/WSA); Marle Reyes (CGY/WSA); Pedro Moreo (WSA/CME); Pilar Jimenez de Arechaga (LEG/SGO); Marco Andres Aleman (VPC/FMP); Denise Ann Salabie (VPC/FMP); and Doris Melissa Barandiaran (VPS/ESG).
▪ Taxonomy:	Client Support
▪ Date of TC Abstract authorization:	March 1, 2019
▪ Beneficiary:	Barbados, Belize, Colombia, Costa Rica, Dominican Republic, Guatemala, Guyana, Honduras, Jamaica, Mexico, Panama, Suriname and Trinidad and Tobago
▪ Executing Agency:	<i>The Deutsche Gesellschaft für Internationale Zusammenarbeit</i> (GIZ)
▪ IDB Funding Requested:	US\$8,545,838 Global Environment Facility (GEF).
▪ Local counterpart funding, if any:	N/A
▪ Parallel financing:	US\$6,398,100 <sup>1</sup>
▪ Disbursement period:	36 months
▪ Required start date:	December, 2019
▪ Types of consultants:	Firms and individual consultants
▪ Prepared by Unit:	Water and Sanitation Division (INE/WSA)
▪ Unit of Disbursement Responsibility:	Infrastructure and Energy Sector (INE/INE)
▪ TC included in Country Strategy:	Yes
▪ TC included in CPD:	No
▪ Alignment to the Update to the Institutional Strategy 2010-2020:	Social inclusion and equality; Productivity and innovation; Climate change and Environmental Sustainability; Gender Equality and Diversity and Institutional Capacity and Rule of Law.

### II. Objectives and Justification of the TC

2.1 **Objectives.** The main objective of this project is to implement innovative technical small-scale solutions for water and wastewater management in the Wider Caribbean Region (WCR)<sup>2</sup> using an integrated water and wastewater management approach building on sustainable financing mechanisms. The specific objectives are: (i) to

<sup>1</sup> Parallel Financing will be provided by the Global Environment Facility (GEF) and implemented by UN-Environment as stated in the PIF document ([OEL#7](#)). UN-Environment will execute activities in five non-IDB member countries: Cuba, Grenada, Saint Kitts & Nevis, Saint Lucia, and Saint Vincent & the Grenadines ([OEL#9](#)).

<sup>2</sup> WCR includes, as defined by UN-Environment, insular and coastal States and Territories with coasts on the Caribbean Sea as well as adjacent waters of the Atlantic Ocean, including countries in the English Caribbean and Latin America.

improve institutional performance through better policies, regulations and capacity building; (ii) to develop financial mechanisms to achieve long-term sustainability; (iii) to implement small-scale innovative solutions for water and wastewater management in rural and peri-urban areas; and (iv) to disseminate knowledge and lessons learned in the WCR. This project will build upon the frameworks and lessons learned from earlier project “CReW+ Caribbean Regional Fund for Wastewater Management”.<sup>3</sup> For a description of achievements and lessons learned and how these are incorporated into the CReW+ design, see [OEL#8](#).

- 2.2 **Justification.** The discharge of partially and untreated domestic wastewater continues to be one of the greatest threats to freshwater and marine ecosystems in the WCR. The degradation of the environment negatively impacts the ability of these ecosystems to continue to provide ecosystem goods and services. Untreated domestic wastewater and inadequately or poorly designed sewage treatment facilities are still one of the largest contributors to deteriorating public health and the contamination of the marine environment of the WCR.<sup>4</sup> While surface water run-off and ground water leaching serve to help carry pollutants from land-based sources and activities to the coastal and marine environment, there is a further need to improve the management of freshwater basins to ensure freshwater security, including the reuse of treated wastewater effluent and protection of surface and subsurface water sources.
- 2.3 The degradation of the WCR environment caused by the discharge of untreated wastewater is a serious concern for those countries whose livelihoods depend heavily on their natural marine resources. Water quality data from past scientific studies showed that untreated wastewater entering the world’s oceans and seas is one of the most serious problems contributing to marine pollution, with as much as 85% of wastewater entering the Caribbean Sea remaining untreated.<sup>5</sup> By 2015, an estimated 12 km<sup>3</sup> of domestic wastewater was generated in the WCR, of which only 40% reached treatment plants and 60% was disposed directly to coastal waters in an untreated form.<sup>6</sup> Despite some progress in sanitation coverage in recent years, most of the countries in the WCR are still affected by insufficient and poorly functioning wastewater treatment infrastructure, responsible for the discharge of important bacterial loads, nutrients, organic compounds and pathogenic organisms into coastal waters.<sup>7</sup> Water resources availability is also a critical issue in the WCR, as increasing population and demands have built-up enormous pressures on existing water systems, creating serious water deficits and even water scarcity in some Caribbean islands.<sup>8</sup> Many countries are forced to rely on expensive desalination systems to meet demands for water, thus creating heavy burdens on local finance. The tourism sector, an important driver of economic growth in almost every Caribbean island, is posing a heavy burden

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<sup>3</sup> The project CReW was also funded by the GEF and co-implemented by the IDB and UN Environment (RG-X1011).

<sup>4</sup> Pollution is one of the primary causes of coral reef damage in the Caribbean coast, where 70% of the coral reefs are already threatened (Caribbean Sea Ecosystem Assessment – CARSEA, *Update Report of an Ecosystem Assessment of the Caribbean Sea*, 2014).

<sup>5</sup> UNEP/GPA 2006. *The State of the Marine Environment: Trends and Processes, The Hague*.

<sup>6</sup> WWAP/UNESCO, 2019. *The United Nations World Water Development Report 2019: Leaving No One Behind*. UNESCO. Retrieved from <https://en.unesco.org/water-security/wwap/wwdr/2019#download>.

<sup>7</sup> UNEP CEP, 2019. *State of the Convention Area Report. Water Quality (SOCAR)*; Prata, 2018. Microplastics in wastewater: State of the knowledge on sources, fate and. *Marine Pollution Bulletin*, 129, 262-265.

<sup>8</sup> UNEP, 2016b. *GEO-6 Regional Assessment for Latin America and the Caribbean*. United Nations Environment Programme, Nairobi, Kenya.

on water resources, as pressures for improving coverage and quality of service in underserved areas continue to mount.<sup>9</sup>

- 2.4 Water governance arrangements in the WCR are generally weak, making many countries incapable of addressing the water challenges they are facing, including water scarcity, deteriorating water quality, impacts of extreme events and limitations on the provision and maintenance of water service.<sup>10</sup> A recent study on the Governance of the Caribbean Water and Wastewater Sector identified many deficiencies in the English Caribbean water utilities, including poor legal and institutional frameworks, deficient tariff regimes, and weak incentives for operating efficiently, among others.<sup>11</sup> Providing the support needed for advancing necessary policies and regulations is critical to achieve effective results in water and wastewater management. For example, an early assessment of opportunities, conducted during the design of this program, showed the need for advancement of regulations that would require reuse of treated effluents, thus providing additional water sources for a variety of activities, including farming, industry and domestic use.
- 2.5 These mounting pressures for meeting water demand, reducing the gaps in sanitation coverage, improving the quality of service and mitigating environmental impacts are demanding innovative solutions in wastewater management and integrated watershed management. The identification and deployment of technological options (mostly decentralized) offer the most potential for replicability and sustainability. A wide range of solutions are available to increase coverage, reduce capital and operational costs, increase efficiency in service provision and assure long-term support from local communities.<sup>12</sup> A critical aspect to achieve success is to assure that the institutional and financial capacities are built into the design and the implementation of the innovative technologies, and that adequate financial solutions are provided to assure long term sustainability.
- 2.6 To address these priorities, the Global Environment Facility (GEF) approved the preparation of the Full-size GEF Project ([OEL#7](#)) and provided resources under a Project Preparation Grant (PPG) (RG-T3209) for its development. The CReW+ project will be implemented jointly by IDB and the UN-Environment (previously UNEP), under separate executing schemes but with a common coordination structure. The beneficiary countries include 13 IDB-member countries, and 5 non-member

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<sup>9</sup> It has been reported that tourists may consume up to three times as much water as the local population and the supply of water to hotels can account for between 10% and 15% of all water supplied by municipal distribution systems (Cashman A. *Water Security and Services in the Caribbean*, Inter-American Development Bank, 2013). As the tourism industry continues to grow in Caribbean jurisdictions, its demand for water will continue to pose a challenge for national authorities.

<sup>10</sup> Global Water Partnership, *Integrated Water Resources Management in the Caribbean: The Challenges facing Small Island Developing States*. Global Water Partnership, 2014; Cashman A. *Water policy development and governance in the Caribbean: An overview of regional progress*. In *Water Policy*, 14(1):14-30, 2012; UNEP, *The UN-Water Status Report on the Application of Integrated Approaches to Water Resources Management*. Nairobi, Kenya, 2012.

<sup>11</sup> Castalia, *Governance Position Paper on the Caribbean Water and Sanitation Sector*, 2017.

<sup>12</sup> Some interventions require low levels of investment and could be operated with low maintenance costs. Some examples of such treatment systems include constructed wetlands, reed beds, sand filters, stabilization ponds and treatment and anaerobic sludge blanket digestion systems. Reuse technologies such as composting, agricultural irrigation, methane production during anaerobic processes and grey water reutilization will be incorporated in the solutions appropriately. Proposed measures for protecting watersheds and freshwater basins, including surface and ground water resources, will consider community level land-use planning which promotes long-term sustainability and reduced vulnerability to climate change.

countries.<sup>13</sup> The design and implementation of this project is supported by the endorsement letters submitted by each participant country ([REL#1](#)). Activities will be coordinated to avoid duplicity or overlap with other activities being executed by the Bank under INE/WSA, IDB Invest and IDB Lab.

2.7 This CREW+ project is well situated to assist participating countries and partner organizations in fulfilling their broader mandates to address regional environmental challenges: CREW+ is consistent with and contributes to the GEF 6 Focal Area Strategies for International Waters (IW), and demonstrates the integration with the strategic objective with Land Degradation focal area within a natural-resource and watershed-management framework. More directly, CREW+ supports individual countries with meeting their commitments under the Cartagena Convention for the Protection and Development of the Marine Environment in the Wider Caribbean Region, and particularly the technical protocol on Land Based Sources of Marine Pollution (LBS). As of December 2018, eleven of the eighteen countries participating in CREW+ have ratified the LBS Protocol. Finally, CREW+ will contribute to the Agenda 2030 for Sustainable Development and its Sustainable Development Goals (SDGs), especially Goal 6, which is to “ensure availability and sustainable management of water and sanitation for all”.<sup>14</sup>

2.8 **Strategic Alignment.** This project is consistent with the IDB Updated Institutional Strategy 2010-2020 (AB-3008) and is aligned with the development challenges of: (i) Social Inclusion and Equality, as the project contributes to closing the gaps in water and sanitation services among the poor; and (ii) Productivity and Innovation, as all participating countries will benefit from technical assistance on a range of low-cost, innovative technologies appropriate for small-scale, community-based projects that meet the needs of rural and small urban communities. The TC is also aligned with the following cross-cutting themes: (i) Gender Equality and Diversity in line with GEF Gender Mainstreaming and Gender Equality policy<sup>15</sup>; (ii) Climate change and sustainability, by providing environmentally sustainable and climate resilient solutions; and (iii) Institutional Capacity and Rule of Law, by providing support for the development and strengthening of institutional frameworks and capacity building. All interventions will be aligned with each country strategy ([OEL#10](#)).

### III. Description of Activities/Components and Budget

3.1 **Component I. Institutional, policy, legislative and regulatory reforms for Integrated Water and Wastewater Management (IWWM) (US\$1,383,586).** This component will provide capacity building support for the development and strengthening of national legal, regulatory, policy and institutional frameworks. This will enable countries to better design and implement broader and more integrated national and community-based solutions for water and wastewater management. It will also facilitate more harmonized regional approaches in meeting agreed regional and global water and wastewater related goals and targets. This support will be critical for countries to develop, upgrade and/or sustain their national innovative financial mechanisms for water and wastewater management. This component will finance

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<sup>13</sup> Activities exclusively directed to non-IDB member countries will be carried out under the parallel finance provided under GEF funding and executed by UN Environment. Such countries include: Cuba, Grenada, St. Kitts and Nevis, Saint Lucia, and St Vincent and the Grenadines.

<sup>14</sup> See UN Sustainable Development Goals, SDG 6, <https://www.un.org/sustainabledevelopment/es/water-and-sanitation>.

<sup>15</sup> A fifty-fifty gender split will be achieved for the direct beneficiaries of the investments, as established under Annex E (Core Indicators) of the GEF CEO Endorsement.

consultants specialized in policy reforms and design, water and wastewater-related legal and regulatory issues, and costs related to training workshops.

- 3.2 **Component II. Sustainable and tailor-made financing options for urban, peri-urban and rural IWWM (US\$1,825,000).** This component will focus on the countries' readiness and the development of sustainable and innovative financing mechanisms to ensure the sustainability of IWWM solutions supported by the program (Component III), including guaranteeing revenue streams, payment for ecosystem goods and services, and innovative mechanisms. This component will finance consultants specialized in financial sustainability of water and sanitation investments, and training programs to beneficiaries and local management entities.
- 3.3 **Component III. Provision of innovative small-scale, local, rural, peri-urban and community-based solutions for IWWM (US\$4,226,460).** This component will provide information and advice to all participating countries on a range of innovative technologies appropriate for small-scale solutions, supported by technical assistance to address local and community-based projects, meeting the needs of rural or small urban communities. Selected rural and peri-urban hotspots will benefit by using innovative IWWM and sustainable watershed management practices. As innovations in wastewater treatment and reuse are being developed throughout the program, scarce water resources will be protected in order to sustain the livelihood of populations and economic activity in a given watershed. This component will finance consultancies, feasibility studies, investments in pilot projects and training workshops.<sup>16</sup>
- 3.4 **Component IV. Knowledge Management and Advocacy on the importance of IWWM order to achieve the Sustainable Development Goals (US\$703,848).** This component will finance the documentation of lessons learned, experiences and good practices, and will improve awareness and understanding of implementing integrated, low-tech approaches to IWWM solutions. It will also provide communications support to internal and external partners, stakeholders and the wider public on all components and activities of the project. Activities at national and community levels will be preceded by stakeholder identification and assessment and will include best practices in stakeholder management and participation. Effective engagement will contribute to success and long-term sustainability of the solutions implemented. Activities at regional, national and community levels will generate and disseminate IWWM knowledge products, including up to date information on financial options, and wastewater treatment technology, policies and practices.
- 3.5 **Expected Results.**<sup>17</sup> The main outcomes of CReW+ project are: (i) improved and reformed institutional, policy and legislative frameworks for IWWM and watershed management; (ii) improved understanding of different financing options and greater readiness for integrated wastewater management financing at small-scale local, community and national levels; (iii) increased and sustainable financing for integrated watershed management, including the protection of surface and groundwater water sources, improved wastewater treatment, including reuse, in rural and peri-urban

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<sup>16</sup> The Technical Cooperation Policy (GN-2470-2) states that Technical Cooperation operations could direct resources to support the identification, preparation and implementation of pilot projects designed to test innovative ideas and promote new initiatives (para 2.10). Same paragraph states that investment expenditures should not exceed 30% of total TC amount. A total of US\$1,881,346 of this component will finance pilot projects, well under the maximum threshold.

<sup>17</sup> As noticed, only outcomes under IDB responsibility are included. For full list of all regional and national outcomes, including those under UN-E responsibility, see [OEL#2](#).

hotspots using low tech and IWWM solutions; (iv) improved life cycle management, circular economy and efficiency in water use-consumption, promoting source protection and water reuse in the joint management of surface and groundwater resources in critical watersheds/hot spots; (v) improved awareness and understanding of the advantages of implementing integrated approaches within targeted communities to enable implementation of low-tech and integrated water and wastewater management solutions; (vi) improved access to information; and (vii) improved knowledge and skills covered in the different subject areas under the project.

3.6 The estimated budget for this TC is US\$8,545,838 of non-reimbursable GEF funds. Additional US\$6,398,100 in GEF resources will complement this project as parallel financing.<sup>18</sup> The following table shows the distribution of funds per component (for detailed budget, see [OEL#1](#)).

**Indicative Budget (US\$)**

Activity/Component	Description	IDB/ GEF	UN-E Parallel Financing	Total Funding
<b>Component I</b>	Institutional, policy, legislative and regulatory reforms IWWM	1,383,586	1,307,414	2,691,000
<b>Component II</b>	Sustainable/tailor-made financing options for IWWM	1,825,000	0	1,825,000
<b>Component III</b>	Innovative small-scale, local, rural, peri-urban IWWM	4,226,460	3,832,862	8,059,322
<b>Component IV</b>	Knowledge Management and Advocacy on IWWM	703,848	953,152	1,657,000
<b>Audits</b>	Audits	60,000	0	60,000
<b>Monitoring and Evaluation</b>	Monitoring and evaluation activities	39,468	99,468	138,935
<b>Project Management</b>	Project management unit and other related costs	307,476	205,204	512,682
<b>TOTAL</b>		<b>8,545,838</b>	<b>6,398,100</b>	<b>14,943,938</b>

#### IV. Executing Agency and Execution Structure

4.1 The *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ) is the main Executing Agency of this TC operation through its regional office in Costa Rica. The GIZ is a globally acting enterprise that supports the German Government in achieving its objectives in the field of international cooperation for sustainable development and international education. It has an extensive presence in the LAC region, with offices in Barbados, Belize, Colombia, Costa Rica, Dominican Republic, Guatemala, Guyana, Honduras, Jamaica, Mexico, Suriname and Trinidad and Tobago. It also has more than 500 water experts worldwide and leads numerous internal and external Communities of Practice. For the execution of this program, GIZ will rely on the management infrastructure provided by its global program Sanitation for Millions (S4M), and will secure support from its sector programs Sustainable Water Policy and Sustainable Sanitation Systems, its Natural Resources Stewardship Initiative, and the regional program Improving climate resilience of Caribbean island and coastal states through systemic management of aqua-terrestrial resources (CATS II). As has been verified by the fiduciary and ESG project teams, GIZ applies the highest standards in project design and implementation, fully compatible with IDB policies and procedures,

<sup>18</sup> The UN-Environment (UN-E), through the Secretariat to the Cartagena Convention/ Caribbean Environment Programme (CEP/RCU), will execute this parallel financing.

including: use of social and environmental safeguards, gender and diversity; procurement of goods, services and works; selection and contracting of consultants, financial controls, oversight and reporting; and project monitoring, evaluation and internal auditing. GIZ has an excellent track record in these regards and has been proven fully effective in applying these high standards in important projects executed in the past or currently being executed, such as Sanitation for Million. Therefore, an Institutional Capacity Assessment System (ICAS) is not required. As GEF implementing agency, IDB will execute activities related to audits, monitoring and evaluation and project management using the resources allocated for this purpose.

- 4.2 The IDB and GIZ will sign a Technical Cooperation Agreement (TCA), establishing the responsibilities for the execution of the TC activities. An Operational Manual will establish operational procedures that GIZ will follow ([OEL#5](#)).
- 4.3 For the comprehensive project management, the IDB and UN-Environment will establish a set of coordination, supervisory and advisory mechanisms, including: (i) an Inter-Agency Coordination Group (IACG), composed of the IDB and UN Environment team leaders and technical teams, to monitor project implementation, review progress and propose corrective measures as appropriate; (ii) a Regional Steering Committee (RSC), with representatives from the 18 beneficiary countries and regional agencies, to endorse annual operation plans and budgets, technical and financial reports, and assist in providing project oversight; and (iii) a Project Coordination Group (PCG) to coordinate the work of the two executing agencies (GIZ and CEP/RCU), and report on outputs and results. The PCG will be located in the IDB Country Office in Panama, given its strategic location and infrastructure required for such a regional program. All necessary resources to manage the PCG and the rest of the supervisory mechanisms have been allocated under the TC budget. The two executing agencies (GIZ and CEP/RCU) will provide all the necessary inputs to the PCG in order to comply with all the reporting and compliance procedures established by the GEF Secretariat.
- 4.4 Endorsement letters from the participating countries were received as part of the preparation of the program, as required for GEF CEO Endorsement ([REL#1](#)). A program matrix has been prepared and contains all activities to be executed under the Program by IDB and UN-Environment ([OEL#2](#)). This includes national and regional activities, and all costs associated with them. A national package has been prepared jointly with each of the national counterparts, outlining the indicative activities that will be supported under the program ([OEL#3](#)). Prior to the implementation of any activity in the countries, the project team will obtain from the liaison entities in each of the participating countries a non-objection letter validating the country interventions and confirming the activities that will be implemented according to the executing plan agreed upon with the national counterparts and the beneficiaries. An indicative chronogram for the implementation of all program activities during the three-year execution period is presented in [OEL#4](#).
- 4.5 **Monitoring and Evaluation.** The proposed monitoring and evaluation system will comply with consolidated requirements of the IDB, GEF and UN-E. The system is composed of two elements: (a) monitoring of progress; and (b) evaluation of performance and achievement of targets. It includes: (i) project execution plan; (ii) procurement plan; (iii) annual operations plans, including the financial plan and risk mitigation action plan; (iv) results framework; (v) supervision plan for the evaluation of the program's performance and verification of targets set in the results framework; (vi) semi-annual progress reports (as at end of June and December), which report on the financial progress, technical advances, results achieved and key challenges;



(vii) annual co-financing reports; (viii) annual external audits; (ix) project completion report; and (x) mid-term and terminal/final evaluations. The IDB, as the lead agency in this program, will be responsible for all formal communication with, and submission of reports to the GEF Secretariat.

- 4.6 **Procurement of Goods and Services and Financial Management.** The contracting of consulting services and the procurement of goods and related services financed with project resources will follow the Bank's procurement policies and procedures established in IDB's Procurement "Policies for the Selection and Contracting of Consultants financed by the Bank" (GN-2350-9), and "Policies for the Procurement of Goods and Works (GN-2349-9). GIZ will manage the procurement of goods, services and consulting services using its own procurement procedures, in conformance with IDB's Procurement Policies (GN-2349-9 and GN-2350-9). The GIZ will also carry out the financial management of the project in accordance with the Bank's financial management guidelines (OP-273-6). Procurement activities will follow a procurement plan approved by IDB as appropriate.<sup>19</sup>
- 4.7 **External Financial Audits.** During the execution of the project, GIZ will present to the Bank annual audited financial statements of the project within 120 days of the close of each calendar year, and final audited financial statements within 120 days of the last disbursement date of the project. The audit will be performed by an external auditor as per the Bank's requirements indicated in the Financial Management Guidelines for IDB-financed projects (OP-273-6). The contracting of the external auditor will be done by GIZ and will follow requirements of the Bank.<sup>20</sup>

## V. Major Issues

- 5.1 Risks related to low political will, low level of support from participating governments, and low stakeholder engagement, will be mitigated during project preparation, as the project team has engaged in a continuous dialogue with the countries to assure readiness and has prepared national packages outlining the priorities and specifying the enabling conditions that are required for a timely response. Delays in designs of technical interventions or the approval of institutional, policy, and legislative interventions will also be mitigated with the early engagement and the preparation of national packages in advance.
- 5.2 The political will and the cultural resistance to accept new wastewater management measures could represent a risk to the project. In order to avoid this risk, the project will foster a strong communication strategy, which will bring all the participant countries together and demonstrate the benefits of the innovative solutions supported by the project (for complete list of risks, see [OEL#6](#)).

## VI. Exceptions to Bank Policy

- 6.1 This TC operation does not include any exception to Bank policies.

## VII. Environmental and Social Strategy and Gender

- 7.1 It is anticipated that the activities of this TC will have minimal negative direct and indirect social or environmental impacts. The operation essentially will finance

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<sup>19</sup> For the execution of the UN Environment activities (under Parallel Finance in this TC), the UN Environment will rely on the Secretariat to the Cartagena Convention/Caribbean Environment Programme (CEP/RCU) and will follow its own policies and procedures.

<sup>20</sup> External financial audits to be presented by CEP/RCU will be defined based on UN-Environment rules and regulations.

knowledge products, and very small-scale pilot projects. As such, it has been classified as Category “C” per the Environment and Safeguards Compliance Policy (OP-703) ([Safeguard Screening Form and Safeguard Policy Filter Report](#)) and low disaster and climate change risk. Regarding gender, community-level capacity-building efforts will provide leadership training, considering the particular needs of women, in improved water security, sanitation, wastewater treatment and reuse.

**Required Annexes:**

- Annex I: [Results Matrix](#)
- Annex II: [Procurement Plan](#)

**Required Electronic Links (REL):**

- REL#1: [Request from clients](#)
- REL#2: [Terms of Reference](#)

**Optional Electronic Links (OEL):**

- OEL#1: [Detailed Budget](#)
- OEL#2: [Program Matrix](#)
- OEL#3: [National Packages](#)
- OEL#4: [Chronogram](#)
- OEL#5: [Operations Manual](#)
- OEL#6: [Risk Matrix](#)
- OEL#7: [PIF Document](#)
- OEL#8: [Achievements and Lessons learnt from CREW](#)
- OEL#9: [GEF CEO Endorsement](#)
- OEL#10: [Alignment with IDB Country Strategies](#)



## Results Matrix

### Outcomes

1 Outcome 1.1. Consolidated improved and reformed institutional, policy and legislative frameworks for IWWM											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
1.1 Number of countries implementing actions towards improving IWWM		Countries	0.00	2019		P	0.00	5.00	6.00	0.00	11.00
						P(a)	0.00	5.00	6.00	0.00	11.00
						A					
2 Outcome 1.3. Improved knowledge and skills to enable the monitoring of national reform processes for IWWM, and for reporting on relevant SDGs and MEAs											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
2.1 Percentage participants that perceive their knowledge and skills to enable the monitoring of national and regional reforms for IWWM and, for reporting on relevant SDGs increased		Percentage	0.00	2019		P	95.00	95.00	95.00	0.00	95.00
						P(a)	95.00	95.00	95.00	0.00	95.00
						A					
3 Outcome 2.1. Improved understanding of different financing options and greater readiness for integrated wastewater management financing at small-scale local, community and national levels											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
3.1 Number of communities applying financing options proposed under the project		Communities	0.00	2019		P	0.00	5.00	4.00	0.00	9.00
						P(a)	0.00	5.00	4.00	0.00	9.00
						A					
4 Outcome 2.2. Watershed management - Increased and sustainable financing for Integrated watershed management including for protecting surface and groundwater water sources											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
4.1 Number of watersheds benefitting from sustainable financing options on Integrated Water Resource Management (IWRM)		Watersheds/hotspots	0.00	2019		P	0.00	2.00	2.00	0.00	4.00
						P(a)	0.00	2.00	2.00	0.00	4.00
						A					
5 Outcome 2.3. Improved knowledge and skills for successful design, establishment and management of appropriate financial mechanisms											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
5.1 Percentage of participants that perceive their knowledge in the design, establishment, and management of financial mechanisms has improved		Percentage	0.00	2019		P	95.00	95.00	95.00	0.00	95.00
						P(a)	95.00	95.00	95.00	0.00	95.00
						A					
6 Outcome 3.1. Improved wastewater treatment, including reuse, in rural and peri-urban hotspots using low tech and IWWM solutions											
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	
6.1 Volume of treated wastewater increased						P	0.00	886.00	1,329.00	0.00	2,215.00

		m3/day	0.00	2019		P(a)	0.00	886.00	1,329.00	0.00	2,215.00
						A					
6.2 Households benefitting from waste water treatment		Households	0.00	2019		P	0.00	985.00	1,477.00	0.00	2,462.00
						P(a)	0.00	985.00	1,477.00	0.00	2,462.00
						A					
<b>Outcome:</b>	7 Outcome 3.2. Improved life cycle management, circular economy and efficiency in water use-consumption promoting source protection and water reuse in the joint management of surface and groundwater resources in critical watersheds/hot spots										
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2020	2021	2022	2023	EOP
7.1 Number of watersheds benefitting from Integrated Water Resource Management (IWRM)		Watersheds/hotspots	0.00	2019		P	0.00	1.00	0.00	0.00	1.00
						P(a)	0.00	1.00	0.00	0.00	1.00
						A					
<b>Outcome:</b>	8 Outcome 3.3. Improved knowledge and skills within targeted communities to enable implementation of innovative low-cost integrated water and wastewater management solutions										
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2020	2021	2022	2023	EOP
8.1 Percentage of participants that perceive their knowledge has increased to enable implementation of innovative low-cost integrated water and wastewater management solutions		Percentage	0.00	2019		P	95.00	95.00	95.00	0.00	95.00
						P(a)	95.00	95.00	95.00	0.00	95.00
						A					
<b>Outcome:</b>	9 Outcome 4.1. Improved awareness and understanding of the advantages of implementing integrated approaches within targeted communities to enable implementation of low-tech and integrated water and wastewater management solutions										
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2020	2021	2022	2023	EOP
9.1 Number of countries benefiting from the communication strategy		Countries	0.00	2019		P	13.00	0.00	0.00	0.00	13.00
						P(a)	13.00	0.00	0.00	0.00	13.00
						A					
<b>Outcome:</b>	10 Outcome 4.2. Improved access to an information exchange mechanism, including knowledge of experiences and lessons learnt, as well as improved information sharing capability with GEF and the wider, local and national communities										
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2020	2021	2022	2023	EOP
10.1 Number of countries benefiting from knowledge of experiences and lessons learnt		Countries	0.00	2019		P	0.00	0.00	13.00	0.00	13.00
						P(a)	0.00	0.00	13.00	0.00	13.00
						A					

**Outputs: Annual Physical and Financial Progress**

1 Component 1: Institutional, policy, legislative and regulatory reforms for Integrated Water and Was tewater Management (IWWM)						Physical Progress					Financial Progress					Theme	Fund	Flags		
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP					
1.1 Institutional development plan designed	Output 1.1.1.- Diagnostic analysis of existing policy framework, legislations, guidelines and standards in support of IWWM.	Plans (#)				P	0.00	5.00	6.00	0.00	11.00	P	0.00	553,903.00	664,683.00	0.00	1,218,586.00	Water and Sanitation	TBD	
						P(a)	0.00	5.00	6.00	0.00	11.00	P(a)	0.00	553,903.00	664,683.00	0.00	1,218,586.00			
						A						A								
1.2 Training workshops delivered	Output 1.3.1.- Capacity building workshops to drive national and regional reforms for IWWM and, for reporting on relevant SDGs	Workshops (#)				P	2.00	2.00	1.00	0.00	5.00	P	66,000.00	66,000.00	33,000.00	0.00	165,000.00	Water and Sanitation	TBD	
						P(a)	2.00	2.00	1.00	0.00	5.00	P(a)	66,000.00	66,000.00	33,000.00	0.00	165,000.00			
						A						A								
2 Component 2: Sustainable and tailor-made financing options for urban, peri-urban and rural IWWM						Physical Progress					Financial Progress					Theme	Fund	Flags		
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP					
2.1 Diagnostics and assessments completed	Output 2.1.1.- Compendium of recommendations on sustainable financing options considering micro credit, tariffing and other innovative mechanisms developed in consultation with relevant stakeholders, based on a review of existing financing mechanisms for IWWM	Diagnostics (#)				P	1.00	0.00	0.00	0.00	1.00	P	40,000.00	0.00	0.00	0.00	40,000.00	Water and Sanitation	TBD	
						P(a)	1.00	0.00	0.00	0.00	0.00	P(a)	40,000.00	0.00	0.00	0.00	0.00			
						A						A								
2.2 New financial instruments developed	Output 2.1.2.- A series of community/rural specific financing action plans and business models to address IWWM including reuse	Instruments (#)				P	0.00	4.00	5.00	0.00	9.00	P	0.00	468,089.00	585,111.00	0.00	1,053,200.00	Water and Sanitation	TBD	
						P(a)	0.00	4.00	5.00	0.00	9.00	P(a)	0.00	468,089.00	585,111.00	0.00	1,053,200.00			
						A						A								
2.3 Diagnostics and assessments completed	Output 2.2.1.- Compendium of innovative incentive options and recommendations on financing mechanisms for water conservation, pollution prevention, and water and wastewater reuse	Diagnostics (#)				P	1.00	0.00	0.00	0.00	1.00	P	40,000.00	0.00	0.00	0.00	40,000.00	Water and Sanitation	TBD	
						P(a)	1.00	0.00	0.00	0.00	1.00	P(a)	40,000.00	0.00	0.00	0.00	40,000.00			
						A						A								
2.4 New financial instruments developed	Output 2.2.2.- Public-private mechanisms, payment options and recommendations on approaches to implement payment for ecosystem services development	Instruments (#)				P	0.00	2.00	2.00	0.00	4.00	P	0.00	230,900.00	230,900.00	0.00	461,800.00	Water and Sanitation	TBD	
						P(a)	0.00	2.00	2.00	0.00	4.00	P(a)	0.00	230,900.00	230,900.00	0.00	461,800.00			
						A						A								
2.5 Training workshops delivered	Output 2.3.1.- Training modules for selected persons and agencies in the design, strategic planning, establishment and management of the financial mechanisms, and the role of gender in IWWM	Workshops (#)				P	2.00	3.00	2.00	0.00	7.00	P	65,714.00	98,572.00	65,714.00	0.00	230,000.00	Water and Sanitation	TBD	
						P(a)	2.00	3.00	2.00	0.00	7.00	P(a)	65,714.00	98,572.00	65,714.00	0.00	230,000.00			
						A						A								
3 Component 3: Innovative small-scale, local, peri-urban and community-based solutions for IWWM						Physical Progress					Financial Progress					Theme	Fund	Flags		
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification	2020	2021	2022	2023	EOP	2020	2021	2022	2023	EOP					
3.1 Diagnostics and assessments completed	Output 3.1.1.- Compendium of innovative technologies adapted to small-scale situations, supported by technical assistance, made available to all participating countries	Diagnostics (#)				P	1.00	0.00	0.00	0.00	1.00	P	40,000.00	0.00	0.00	0.00	40,000.00	Water and Sanitation	TBD	
						P(a)	1.00	0.00	0.00	0.00	1.00	P(a)	40,000.00	0.00	0.00	0.00	40,000.00			
						A						A								
3.2 Pilot interventions implemented	Output 3.1.2.- Rural and community level integrated and Innovative Water and Wastewater low tech solutions implemented, including the role of gender in the design and implementation	Pilots (#)				P	0.00	2.00	5.00	0.00	7.00	P	0.00	909,618.00	2,274,044.00	0.00	3,183,662.00	Water and Sanitation	TBD	
						P(a)	0.00	2.00	5.00	0.00	7.00	P(a)	0.00	909,618.00	2,274,044.00	0.00	3,183,662.00			
						A						A								
3.3 Pilot interventions implemented	Output 3.1.3.- Intervention in Barbados re: Star Allocation from Barbados (Land Degradation)	Pilots (#)				P	0.00	1.00	0.00	0.00	1.00	P	0.00	357,798.00	0.00	0.00	357,798.00	Water and Sanitation	TBD	
						P(a)	0.00	1.00	0.00	0.00	1.00	P(a)	0.00	357,798.00	0.00	0.00	357,798.00			
						A						A								

3.4 Pilot interventions implemented	Output 3.2.2.- Demonstration projects implemented focusing on: (1) Prevention, Reduction and Control of point and non-point sources of pollution source through best land management practices and (2) Development and Implementation of water source protection, water use efficiency and reuse strategies	Pilots (#)				P	0.00	1.00	0.00	0.00	1.00	P	0.00	300,000.00	0.00	0.00	300,000.00	Water and Sanitation	TBD	
						P(a)	0.00	1.00	0.00	0.00	1.00	P(a)	0.00	300,000.00	0.00	0.00	300,000.00			
						A						A								
3.5 Webinars delivered	Output 3.3.1.- Training on innovative low-cost integrated water and wastewater management such as though webinars, MOOC, training programmes with the participation of civil society	Webinars (#)				P	3.00	4.00	5.00	0.00	12.00	P	86,250.00	115,000.00	143,750.00	0.00	345,000.00	Water and Sanitation	TBD	
						P(a)	3.00	4.00	5.00	0.00	12.00	P(a)	86,250.00	115,000.00	143,750.00	0.00	345,000.00			
						A						A								
<b>4 Component 4: Knowledge management and Advocacy on the importance of IWWM order to achieve the Sustainable Development Goals</b>						<b>Physical Progress</b>					<b>Financial Progress</b>									
<b>Outputs</b>		<b>Output Description</b>	<b>Unit of Measure</b>	<b>Baseline</b>	<b>Baseline Year</b>	<b>Means of verification</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>EOP</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>EOP</b>	<b>Theme</b>	<b>Fund</b>	<b>Flags</b>	
4.1 Strategies implemented	Output 4.1.1.- A communications strategy, including information and dissemination of products related to IWWM and watershed management, includes information for key target groups, including women, in all participating countries	Strategies (#)				P	1.00	0.00	0.00	0.00	1.00	P	120,000.00	0.00	0.00	0.00	120,000.00	Water and Sanitation	TBD	
						P(a)	1.00	0.00	0.00	0.00	1.00	P(a)	120,000.00	0.00	0.00	0.00	120,000.00			
						A						A								
4.2 Technical notes created	Output 4.2.1.- Documented best practices, lessons and experiences from all Components	Notes (#)				P	0.00	0.00	5.00	9.00	14.00	P	0.00	0.00	208,517.00	375,331.00	583,848.00	Water and Sanitation	TBD	
						P(a)	0.00	0.00	5.00	9.00	14.00	P(a)	0.00	0.00	208,517.00	375,331.00	583,848.00			
						A						A								
<b>5 Component 5: Project Management</b>						<b>Physical Progress</b>					<b>Financial Progress</b>									
<b>Outputs</b>		<b>Output Description</b>	<b>Unit of Measure</b>	<b>Baseline</b>	<b>Baseline Year</b>	<b>Means of verification</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>EOP</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>EOP</b>	<b>Theme</b>	<b>Fund</b>	<b>Flags</b>	
5.1 Project implementation unit established	Project Management	PIUs (#)				P	1.00	0.00	0.00	0.00	1.00	P	135,648.00	135,648.00	135,648.00	0.00	406,944.00	Water and Sanitation	TBD	
						P(a)	1.00	0.00	0.00	0.00	1.00	P(a)	135,648.00	135,648.00	135,648.00	0.00	406,944.00			
						A						A								

Other Cost

Total Cost

	2020	2021	2022	2023	Total Cost
P	\$593,612.00	\$3,235,528.00	\$4,341,367.00	\$375,331.00	\$8,545,838.00
P(a)	\$593,612.00	\$3,235,528.00	\$4,341,367.00	\$375,331.00	\$8,545,838.00
A					

CRF Indicator

Standard Output Indicator

PROCUREMENT PLAN FOR NON-REIMBURSABLE TECHNICAL COOPERATIONS										
<b>Country: Regional:</b> Latin America and the Caribbean					<b>Executing agency:</b> The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), through a Technical Co-operation Agreement signed with the Inter-American Development Bank			<b>Public or private sector:</b> Private Sector		
<b>Project number:</b> RG-T3412					<b>Title of Project:</b> GEF CRW+: An integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Wider Caribbean Region					
<b>Period covered by the plan:</b> 36 months										
<b>Threshold for ex-post review of procurements:</b>				<b>Goods and services (in US\$):</b>	1,881,346	<b>Consulting services(in US\$):</b>	6,664,492	8,545,838		
Item Nº	Ref. AWP	Description (1)	Estimated contract cost (US\$)	Procurement Method (2)	Review of procurement (3)	Source of financing and percentage		Estimated date of the procurement notice or start of the contract	Technical review by the PTL (4)	Comments
						IDB/MIF %	Local/other %			
<b>1</b>		<b>Component I</b>								
		<b>Consulting firms</b>								
1.1		Consultancy (Local or international consulting firm for the development of national IWWM plans)	913,058	QCBS		100		Jan-20		Diagnostic analysis of existing policy framework, legislations, guidelines and standards in support of IWWM, recommendations for reforms and development of national IWWM plans. These will be done for approximately ten (10) countries. These will be carried out from the beginning of the project and throughout the half of the second year.
1.2		Monitoring and evaluation activities	55,000	QCBS		100		Jan-23		Mid-term evaluation
		<b>Non-consulting services</b>								
1.3		Local or international workshops	194,118	QCBS		100		May-20		Five (5) capacity building workshops will be organized within the three years of the project to drive national and regional reforms for IWWM and, for reporting on relevant SDGs
1.4		Travel	25,355	PC		100		Jan-20		Missions
		<b>Individual Consultancy</b>								
1.5		Project management Unit	73,056	IICQ		100		Jan-20		Project Management support
1.6		Technical consulting services	122,999	IICQ		100		Jan-20		Technical support
<b>2</b>		<b>Component II</b>								
		<b>Consulting firms</b>								
2.1		Consultancy (Local or international consulting firm for the preparation of a compendium)	47,059	QCBS		100		Jan-20		One (1) compendium of recommendations on sustainable financing options considering micro credit, tariffing and other innovative mechanisms to be developed during the first six months of the project implementation in order to support the development of the financing mechanisms for IWWM.
2.2		Consultancy (Local or international consulting firm for the preparation of a compendium)	47,059	QCBS		100		Jan-20		One (1) compendium of innovative incentive options and recommendations on financing mechanisms for water conservation, pollution prevention, and water and wastewater reuse to be developed during the first six months of the project implementation in order to support the development of the financing mechanisms for water conservancy.
2.3		Consultancy (Local or international consulting firm to develop financing action plans/business models)	618,824	QCBS		100		Jun-20		Develop approximately nine (9) community/rural specific financing action plans and business models to address IWWM including reuse. These will be carried out after the completion of the compendium of recommendation and throughout the half of the third year.
2.4		Consultancy (Local or international consulting firm to develop a public-private mechanisms )	543,294	QCBS		100		Jun-20		Develop approximately four (4) Public-private mechanisms, payment options and recommendations on approaches to implement payment for ecosystem services. These will be carried out after the completion of the compendium of recommendation and throughout the half of the third year.
2.5		Monitoring and evaluation activities	55,000	QCBS		100		Jan-23		Final evaluation

PROCUREMENT PLAN FOR NON-REIMBURSABLE TECHNICAL COOPERATIONS										
<b>Country: Regional:</b> Latin America and the Caribbean					<b>Executing agency:</b> The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), through a Technical Co-operation Agreement signed with the Inter-American Development Bank			<b>Public or private sector:</b> Private Sector		
<b>Project number:</b> RG-T3412					<b>Title of Project:</b> GEF CReW+: An integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Wider Caribbean Region					
<b>Period covered by the plan:</b> 36 months										
<b>Threshold for ex-post review of procurements:</b>					<b>Goods and services (in US\$):</b>		<b>Consulting services(in US\$):</b>			
					1,881,346		6,664,492		8,545,838	
Item Nº	Ref. AWP	Description (1)	Estimated contract cost (US\$)	Procurement Method (2)	Review of procurement (3)	Source of financing and percentage		Estimated date of the procurement notice or start of the contract	Technical review by the PTL (4)	Comments
						IDB/MIF %	Local/other %			
		<b>Non-consulting services</b>								
2.6		Local or international workshops	270,588	QCBS		100		May-20		Seven (7) training modules will be organized within the three years for selected persons and agencies in the design, strategic planning, establishment and management of the financial mechanisms
2.7		Administrative expenses	10,000	PC		100		Jan-20		Administrative expenses
2.8		Travel	83,176	PC		100		Jan-20		Missions
		<b>Individual Consultancy</b>								
2.9		Financial consulting services	150,000	IICQ		100		Jan-20		Financial support



PROCUREMENT PLAN FOR NON-REIMBURSABLE TECHNICAL COOPERATIONS										
<b>Country: Regional:</b> Latin America and the Caribbean					<b>Executing agency:</b> The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), through a Technical Co-operation Agreement signed with the Inter-American Development Bank			<b>Public or private sector:</b> Private Sector		
<b>Project number:</b> RG-T3412					<b>Title of Project:</b> GEF CRew+: An integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Wider Caribbean Region					
<b>Period covered by the plan:</b> 36 months										
<b>Threshold for ex-post review of procurements:</b>				<b>Goods and services (in US\$):</b>	1,881,346	<b>Consulting services(in US\$):</b>	6,664,492	8,545,838		
Item Nº	Ref. AWP	Description (1)	Estimated contract cost (US\$)	Procurement Method (2)	Review of procurement (3)	Source of financing and percentage		Estimated date of the procurement notice or start of the contract	Technical review by the PTL (4)	Comments
						IDB/MIF %	Local/other %			
<b>3 Component III</b>										
<b>Consulting firms</b>										
3.1		Consultancy (Local or international consulting firm for the preparation of a compendium)	47,059	QCBS		100		Jan-20		One (1) compendium of innovative technologies adapted to small-scale situations for IWWM to be developed during the first six months of the project implementation in order to support the development of the technical solutions.
3.3		Consultancy (Local or international consulting firm to develop a feasibility studies and other consultancies)	1,111,112	QCBS		100		Jun-20		Seven (7) rural and community level Integrated and Innovative Water and Wastewater feasibility studies for low tech solutions. These will be carried out after the completion of the compendium of recommendation and throughout the half of the third year.
3.4		Consultancy (Local or international consulting firm to develop a feasibility studies and other consultancies in Barbados)	143,119	QCBS		100		Jun-20		Develop legislation, standards and recommendations for the STAR allocations of Land Degradation and Biodiversity within an integrated approach to water and wastewater management.
3.5		Consultancy (Local or international consulting firm to develop a feasibility studies and other consultancies)	352,941	QCBS		100				Strengthen the technical capacities for the integrated micro-watersheds management, provides advice to municipal technicians of municipal Environmental management Units, and prepare technical notes of micro-watersheds. These will be carried out after the completion of the compendium of recommendation and throughout the half of the third year.
<b>Non-consulting services</b>										
3.6		Webinars, MOOC and training programmes	405,882	QCBS		100		May-20		Twelve (12) training on innovative low-cost integrated water and wastewater management such as though webinars, MOOC and training programmes to be organized within the three years of implementation.
<b>Goods and works</b>										
3.7		Implementation of Pilot Projects for IWWM	1,666,667	CB		100		Jun-20		Rural and community level Integrated and Innovative Water and Wastewater low tech solutions implemented.
3.8		Implementation of Pilot Project for IWWM in Barbados)	214,679	CB		100		Jun-20		Implementation of technical solutions for the STAR allocations of Land Degradation and Biodiversity within an integrated approach to water and wastewater management.
<b>Individual Consultancy</b>										
3.9		Engineer consulting services	285,001	IICQ		100		Jan-20		Engineering support

PROCUREMENT PLAN FOR NON-REIMBURSABLE TECHNICAL COOPERATIONS										
<b>Country: Regional:</b> Latin America and the Caribbean					<b>Executing agency:</b> The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), through a Technical Co-operation Agreement signed with the Inter-American Development Bank			<b>Public or private sector:</b> Private Sector		
<b>Project number:</b> RG-T3412					<b>Title of Project:</b> GEF CReW+: An integrated approach to water and wastewater management using innovative solutions and promoting financing mechanisms in the Wider Caribbean Region					
<b>Period covered by the plan:</b> 36 months										
<b>Threshold for ex-post review of procurements:</b>				<b>Goods and services (in US\$):</b>	1,881,346	<b>Consulting services(in US\$):</b>	6,664,492	8,545,838		
Item Nº	Ref. AWP	Description (1)	Estimated contract cost (US\$)	Procurement Method (2)	Review of procurement (3)	Source of financing and percentage		Estimated date of the procurement notice or start of the contract	Technical review by the PTL (4)	Comments
						IDB/MIF %	Local/other %			
<b>4</b>		<b>Component IV</b>								
		<b>Consulting firms</b>								
4.1		Consultancy (Local or international consulting firm to prepare a communication strategy)	141,177	QCBS		100		Jan-20		A communications strategy, including information and dissemination of products related to IWWM and watershed management, includes information for key target groups in all participating countries, as well as a comprehensive inventories of I coverage of wastewater infrastructure, reuse, water availability and water footprint. This strategy will be carried out during all the project implementation.
4.2		Consulting service (Local or international consultancies to prepare documented best practices, lessons and experiences from all Components)	245,202	QCBS		100		Jul-22		Documented best practices, lessons and experiences from all Components, during the last six months of the project.
4.3		Monitoring and evaluation activities	40,532	QCBS		100		Mar-20		Monitoring and evaluation activities (PMR/PIR).
		<b>Non-consulting services</b>								
4.5		Travel	27,469	PC		100		Jan-20		Missions
		<b>Individual Consultancy</b>								
4.6		Administrative consulting services	150,000	QCBS		100		Jan-20		Administrative support
		Technical consulting services	99,468	QCBS		100				Technical support
<b>5</b>		<b>Component V</b>								
		<b>Individual Consultancy</b>								
5.1		Audits	60,000	QCBS		100		Jan-21		Three (3) audits to be carry out one per year.
5.2		Monitoring and evaluation activities	39,468	QCBS		100		Mar-20		Monitoring and evaluation activities (PMR/PIR).
5.3		Project management Unit	307,476	IICQ		100		Jan-20		Project Management support
<b>Total</b>			8,545,838	Prepared by: David Wilk			Date: November 1, 2019			
<p>(1) Grouping together of similar procurement is recommended, such as computer hardware, 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 of 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".</p>										
(2) <b>Goods and works:</b> CB: Competitive bidding; PC: Price comparison; DC: Direct contracting.										
(2) <b>Consulting firms:</b> CQS: Selection Based on the Consultants' Qualifications; QCBS: Quality and cost-based selection; LCS: Least Cost Selection; FBS: Selection under a Fixed Budget; SSS: Single Source Selection; QBS: Quality Based selection.										
(2) <b>Individual consultants:</b> IICQ: International Individual Consultant Selection Based on Qualifications; SSS: Single Source Selection.										
(2) <b>Country system:</b> include selection Method										
(3) <b>Ex-ante/ex-post review:</b> In general, depending on the institutional capacity and level of risk associated with the procurement, ex-post review is the standard modality. Ex-ante review can be specified for critical or complex process.										
(4) <b>Technical review:</b> The PTL will use this column to define those procurement he/she considers "critical" or "complex" that require ex ante review of the terms of reference, technical specifications, reports, outputs, or other items.										

DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

PROPOSED RESOLUTION DE-\_\_\_/19

Regional. GRT/FM-\_\_\_\_\_-RG. Nonreimbursable Investment Financing of the Global Environment Facility (GEF). GEF CReW+: An Integrated Approach to Water and Wastewater Management using Innovative Solutions and Promoting Financing Mechanisms in the Wider Caribbean Region

The Board of Executive Directors

RESOLVES:

1. That the President of the Bank, or such representative as he shall designate, is authorized in the name and on behalf of the Bank, as Administrator of the Global Environment Facility (GEF) Trust Fund (Fund), to enter into such agreement or agreements as may be necessary with the *Deutsche Gesellschaft für Internationale Zusammenarbeit* (GIZ), as Executing Agency, and to adopt such other measures as may be pertinent for the execution of the Project in accordance with the proposal contained in document PR-[\_\_\_\_\_].
2. That up to the equivalent of US\$8,545,838 chargeable to the resources of the Fund, is authorized for the financing of the Project.

(Adopted on \_\_\_\_\_ 2019)

**GEF CREW+: AN INTEGRATED APPROACH TO WATER AND WASTEWATER MANAGEMENT USING  
INNOVATIVE SOLUTIONS AND PROMOTING FINANCING  
MECHANISMS IN THE WIDER CARIBBEAN REGION**

**RG-T3412**

**CERTIFICATION**

I hereby certify that this operation was approved for financing under the **IADB/Global Environment Facility Fund (FMM)** through a communication dated November 11, 2019 and signed by Brady Martin (ORP/GCM). Also, I certify that resources from said fund are available for up to **US\$8,545,838** in order to finance the activities described and budgeted in this document. This certification reserves resource for the referenced project for a period of four (4) 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)

11/20/2019

\_\_\_\_\_  
Sonia M. Rivera

\_\_\_\_\_  
Date

Chief

Grants and Co-Financing Management Unit  
ORP/GCM