

TERMS OF REFERENCE

Job Title: Consulting Services for the preparation of Environmental and Social Assessment

SU-L1058

Background

Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries.

The Republic of Suriname, specifically the Surinaamsche Waterleiding Maatschappij (SWM) is seeking financing for the purposes of improving efficiency, quality, and sustainability of the potable water services provided by SWM. The proposed Operation would include the following components: Component 1: Non-Revenue Water (NRW) reduction; Component 2: Upgrading water production infrastructure; and Component 3: Institutional Strengthening.

Objective of the Consultancy

The purpose of the consultancy is to prepare and write the Environmental and Social Analysis (ESA) of the Operation “Water Supply Modernization Program (SU-L1058) and a management instrument called an Environmental and Social Management Plan (ESMP) that ensures the environmental and social impacts and risks of the infrastructure to be financed and the activities to be financed by the Operation are mitigated and managed adequately, and therefore to comply with the national environmental legislation as well as the Environmental and Social Safeguards Policies of the Inter-American Development Bank (IDB)¹.

Background of this search: INE/WSA is seeking the services of a Consultant with experience in **Environmental and Social Assessment of infrastructure projects** to support the IDB team during the preparation of a Program in Suriname.

What you’ll do: Carry out an Environmental and Social Analysis based on the inputs of and coordination with the Suriname relevant government agencies/ministries, non-governmental organizations and the IDB project team for the Operation, and on information available in academic literature and on field visits carried out by the consultant, including the following elements:

- (1) EXECUTIVE SUMMARY
- (2) PROJECT DESCRIPTION
- (3) ENVIRONMENTAL AND SOCIAL CONDITIONS (i.e. Baseline)
- (4) INSTITUTIONAL AND LEGAL FRAMEWORK
- (5) ANALYSIS OF ALTERNATIVES
- (6) ENVIRONMENTAL AND SOCIAL IMPACTS
- (7) ENVIRONMENTAL AND SOCIAL MANAGEMENT(ESMP)
- (8) CONSULTATION PLAN

For more details of the Environmental and Social Analysis required, see attached **Annex 1**.

Deliverables:

¹ See <http://www.iadb.org/en/topics/sustainability/about-us,19563.html?> For more details on IDB safeguards and sustainability.

TERMS OF REFERENCE

- The consultant will submit the following deliverables:
 - (i) Workplan;
 - (ii) Intermediate version of the Environmental and Social Analysis;
 - (iii) Intermediate version of the Environmental and Social Management Plan (ESMP); and
 - (iv) Final report which will include the ESA and ESMP incorporating all consolidated comments of the Project team made to the intermediate version of the ESA and ESMP.

Deliverables and Payments timeline:

- Four payments will be made:
 - (v) 20% upon submission of a workplan;
 - (vi) 30% upon the submission of the intermediate version of the Environmental and Social Analysis;
 - (vii) 30% upon the submission of the intermediate version of the Environmental and Social Management Plan (ESMP); and
 - (viii) 20% upon acceptance of the final report which will include the ESA and ESMP incorporating all consolidated comments of the Project team made to the intermediate version of the ESA and ESMP.

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries.

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: Master's degree.

Experience: Environmental and Social Specialist, with 10 year of experience in construction matters and environmental and social impact.

Languages: Command of English and Dutch languages is required, and knowledge or fluency in one or more of the local and/or indigenous languages of the country is desirable.

Core and Technical Competencies: Qualitative and quantitative analysis, identification of social and environmental impacts in development projects, preferably with experience in the context of projects financed by the IDB or other multi-lateral agencies.

Opportunity Summary:

- Type of contract and modality: PEC
- Length of contract: 50 non-continuous days.
- Starting date: July 22, 2019
- Location: Office of consultant, with one (1) field visit to Suriname of fifteen (15) days duration.
- Responsible person: Evan Cayetano (INE/WSA) with technical supervision of Sarah Mangones (VPS/ESG) and Heidi Fishpaw (VPS/ESG).

TERMS OF REFERENCE

- 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.

TERMS OF REFERENCE

ANNEX 1

Background

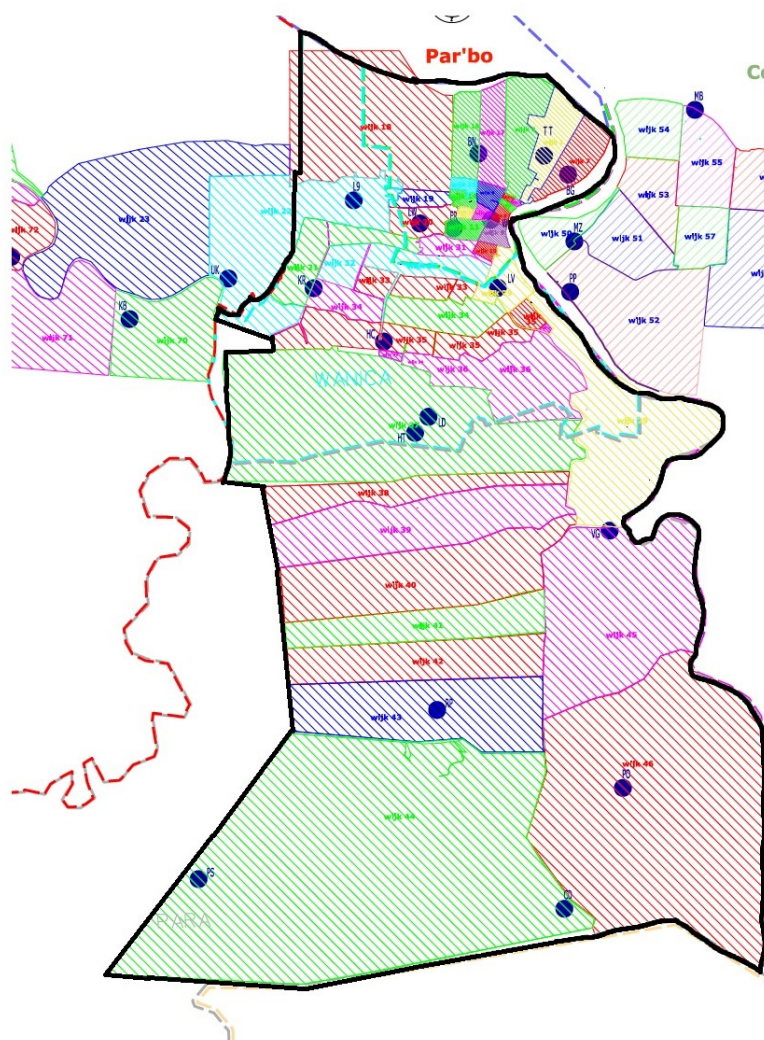
Component I: Non-Revenue Water (NRW) reduction (US\$15-12 M): This component will be based on the 2015 NRW Reduction Strategy developed under SU-L1058 with specific focus in the Central (Paramaribo, Wanica, and Para) and Western (Nickerie²) Regions of Suriname. Specific activities will include: (i) Strengthening of the NRW unit³; (ii) installation of meters and service connections; (iii) pressure management; and (iv) energy efficiency. A critical aspect for the success of this component will be the readiness of the NRW unit at SWM to start this aspect of the Program during the first year of execution. While SWM management has already approved the establishment of the unit, this still needs to be staffed and SWM may need further guidance on staff requirements aspects. Additionally, the modality of contract with a specialized NRW reduction company is to be confirmed. The Bank will support SWM in both aspects by facilitating an individual consultant through a Technical Cooperation (SU-T1127) for SWM to define the details of NRW unit. Additionally, the TC will finance an exchange between the SWM and the Jamaica National Water Commission (NWC) to learn from the Jamaican NRW experience. This component will also benefit from the recommendations of the Institutional Strengthening Plan (ISP) to be developed under SU-T1102 and will take into consideration any relevant input from other studies financed by other donors.

Figure 1: Map of NRW component. The area with the black border shows the overall area that will be considered for intervention for Component 1, the different colored areas represent neighborhoods. As mentioned above the exact locations will be determined after the network analysis.

² For Nickerie, the CDB is funding a feasibility study for expansion of production in the area, this will include also a NRW assessment of the area that will guide specific interventions of this Loan at that Region.

³ The modality of the contract with a specialized NRW reduction company would provide for training of SWM's NRW unit staff. A Co-Management contract framework has been discussed as an option for SWM. The benefits considered are (i) the availability of adequate NRW reduction experience during execution of the Program, (ii) a dynamic and hands-on approach for NRW management knowledge transfer, (iii) SWM would maintain ownership of the NRW program which will be critical for its continued sustainability.

TERMS OF REFERENCE



Component 2: Upgrading water production infrastructure (US\$5-8 M). As highlighted in the SWSMP, SWM will need to increase its production capacity to meet the projected 2024 demands. This component will finance infrastructure works required to rehabilitate pump stations in poor conditions and for SWM to increase the treatment capacity and be able to meet projected demands. SWM has identified three possible locations: (1) Helena Christina, Wanica where an additional production capacity of 240m³/h is required; (2) Uitkijk, Saramacca where additional 800m³/h are required; and (3) Kampong Baroe, Groningen, Peperhol, Boskamp, Saramacca

TERMS OF REFERENCE

where an additional 300m³/h are required in total. The definition of the intervention location(s) will be guided by a technical analysis to confirm its feasibility and estimated costs. Consideration will also be given to other critical aspects such as environmental, social, and disaster risk criteria to factor the selection of one of the three options.

Figure 2: location options for infrastructure in Component 2



Option 1 Helena Christina Site 5°44'11.0"N 55°14'41.6"W

Option 2 Uitkijk Site 5°46'38.95"N 55°20'42.47"W

Option 3

Kompong Baroe 5°45'3.42"N 55°24'32.91"W

TERMS OF REFERENCE

Tijgerkreek 5°50'45.66"N 55°37'47.59"W

Boskamp 5°47'1.66"N 55°53'40.25"W

Option 1: The work for Helena Christina would include the drilling of 2 new wells, rehabilitating 2 existing wells, expansion of the treatment plant and laying 12.6 km of pipeline to connect to Wanica Hospital.

Option 2: The work for Uitkijk pumping stations would include a new well, road restoration to the site, new equipment for aeration, sand filtration, storage tanks and distribution pumps.

Option 3: Kompong Baru upgrade would include a new well and rehabilitation and increasing treatment and water pumping with aeration, sand filtration, repair old storage tank, new storage tank and pumps for transport, distribution and backwash).

Peperhol upgrade would include a new well (with a max of 50 m³/hr) with access road and rehabilitating the existing capacity and adding new production for the treatment and water pumping (including sedimentation/flocculation, aeration, repair old storage tank, new storage tank and new distribution, transport and backwash pumps and rehabilitation of the site.

Boskamp upgrade would include rehabilitation of the intake structure and rehabilitation and increasing the water treatment and water pumping capacity (including sedimentation/flocculation, aeration, repair old storage tank, new storage tank and new distribution, transport and backwash pumps.

Component 3: Institutional Strengthening (US\$2.5 M): This component will finance the modernization of SWM operations and management, improving its planning, management and operations capacity, as well as prepare the SWM for taking over responsibility for water supply in the interior. Specific activities will be guided by the ISP to be developed under SU-T1102. The following activities will be considered under this component: (i) Study for water supply solutions for the hinterland⁴; (ii) Financial and human resources strengthening; (iii) Improved capacity of the Laboratory; (iv) implementation of selected recommendations of the ISP; and (v) capacity building at the operational level⁵. The definition and confirmation of the activities to be financed in this component will be based on the Operations and Management Audit and ISP recommendations which are expected to be available (in draft) by July 2019.

Elements of the Environmental and Social Analysis

A. EXECUTIVE SUMMARY

B. PROJECT DESCRIPTION Detailed description of the components to be financed by the Operation, including (i) infrastructure; and (ii) activities such as the installation of meters, valves, or other devices in the network of water services. This will allow the consultant to identify the

⁴ The study will include an environmental and social framework of the proposed solutions as well as designs and tender documents when required.

⁵ This activity will be guided by recommendations from an operational and skills assessment financed under CDB.

TERMS OF REFERENCE

social and environmental issues relevant to the Operation, including all the social and environmental, and health and safety, risks or impacts. This will include, among other things:

- Description of the magnitude of the infrastructure, including the approximate number of floors and square meters and the main features.
- Brief summary of any manuals that will be developed under the Operation, including NRW program
- Brief summary of Suriname Water Supply Master Plan (SWSMP)
- Timeline for infrastructure and activities to be financed.

How the principles of environmental and social sustainability will be incorporated into the design of the infrastructure to be financed, including energy efficiency, use of renewable resources, environmental impact of the works to be financed, conservation and efficient use of resources, prevention of pollution (i.e. solid waste management, wastewater management), avoidance of use of hazardous materials, and ensuring air quality.

C. ENVIRONMENTAL AND SOCIAL CONDITIONS (i.e. Baseline)

Characterization of the area of immediate impact of the Operation, for (i) each of the three sites proposed for infrastructure to be constructed under Component 2, (ii) the areas of the country to benefit from installation of meters and valves and other devices under Component 1: Paramaribo, Wanika, and Para, describing the environmental, social and sociocultural conditions in the areas that the Operation will intervene, and (iii) summarize sociocultural analysis of Suriname prepared under Health Services Support Project (SU-L1054) with a focus on understanding the water and sanitation context to serve as an input to the study that will be financed by Component 3.

- Socio-economic, sociocultural and environmental characterization which presents concise information of the main socio-environmental factors that would be affected by the Operation, through quantitative and qualitative data. These factors include:
 - Environmental factors: land use, air quality, noise, geology, soil, risk of natural disasters, hydric resources, flora and fauna.
 - Socioeconomic factors: levels of urbanization, cost of living indicators, health and education indicators, health and sanitation infrastructure (water, sewerage, and solid waste), energy and transportation.
 - Basic sociocultural factors (see also SOCIOCULTURAL ANALYSIS section below): verify presence of any indigenous population in the areas of intervention (Paramaribo, Para, Wanika, and Saramacca), presence of traditional indigenous communities (“forest-dependent” or otherwise maintaining language or traditions of their ancestry, or traditional use of natural resources), an analysis of their identity, culture, vulnerability, access to social services, linguistics, cultural sites and monuments, and historical and archaeological remains in the area. Identify other populations such as Javanese, Chinese, or Hindustani descendants and their levels of vulnerability, geographic location, languages spoken. This element of analysis is simply to identify if there are indigenous communities present as defined by Policy OP-765, not to carry out a full sociocultural analysis. If indigenous communities are identified, a complementary consultancy is an option to be prepared in order to elaborate a full sociocultural analysis and include measures for a socio-culturally appropriate consultation as part of the Consultation Plan (see DELIVERABLES section below).

TERMS OF REFERENCE

- Gender factors: analyze gender dynamics of water usage in the areas of intervention (Paramaribo, Para, Wanika, and Saramacca) including LGBT population. This includes a qualitative and quantitative analysis of differentiated use of water by men and women, differentiated access to benefits of the Operation by men and women, participation of women in decision-making about water usage including in any formal bodies such as Water Boards, and measures to promote participation of women, indigenous women, and LGBT population in the public consultation (see CONSULTATION PLAN section below).
- Inclusion for persons with disabilities: assess the accessibility to public SWM facilities and other areas of opportunity for inclusion for person with disabilities.
- Natural disaster factors: based on the geographic location of infrastructure, equipment, materials and services to be provided. Analyze in particular for the infrastructure to be financed under Component 2 at each of the 3 proposed locations, the likelihood of natural disasters, and in the case they occur, likelihood of a Type 2 disaster risk scenario where the risk to human life or the environment could be exacerbated by infrastructure or materials the Operation finances. For example, if any water treatment plant were installed, and a flood occurred in the area where they are stored, would there be a risk that toxins could contaminate community water supplies (wells, aquifers, or rivers) and thus put the community at risk of contagious diseases.
- If there will be physical displacement of occupants of the land where infrastructure will be built, whether they have legal status or informal status, a census of the affected people and families and a diagnostic of their characteristics and vulnerability to impoverishment if they will be subjected to resettlement. If physical displacement is detected, an Involuntary Resettlement Plan would be necessary but not within the scope of these Terms of Reference (see DELIVERABLES section below), and a supplemental Terms of Reference would be prepared in order to prepare this Plan.
- Detect possible economic displacement of any small businesses in the area of the building site that could occur as a result of installation of infrastructure or as a result of the physical displacement of places of business. If economic displacement is detected, a Livelihood Restoration Plan would be necessary but not within the scope of these Terms of Reference (see DELIVERABLES section below), and a supplemental Terms of Reference would be prepared in order to prepare this Plan.
- Analyze displacement of any social services important to the well-being of the community adjacent to the building, including schools or youth centers, health or health-related centers, religious or spiritual centers, or community centers, and propose measures to restore these services elsewhere if so.

Analysis of possible social and environmental impacts generated by the presence of construction workers. Analyze the possible risks associated with the construction of the infrastructure under Component 2 and the small work interventions as part of Component 1, with particular emphasis on waste management, the behavior of the employees of the contractors in their interactions with the community, and possible negative gender impacts including sexual harassment or violence towards women or children in the community.

E. INSTITUTIONAL AND LEGAL FRAMEWORK

- Description of the national environmental regulations, the system and the requirements for environmental licensing, the necessary authorizations for the execution of the components and the works of the Operation, including the construction of the

TERMS OF REFERENCE

infrastructure, and identification of needs to complement the national norms if they are not sufficient for the environmental management of the Operation.

- Identify the environmental and social studies required based on the level of socioenvironmental risk, with the objective of complying with national, provincial, and municipal legislation.
- Describe relevant Directives of the Environmental and Safeguards Compliance Policy (OP-703) as well as the Disaster Risk Management Policy (OP-704), the Operational Policy on Gender Equality in Development (OP 761), the Operative Policy on Indigenous Peoples (OP-765) and if necessary, the Involuntary Resettlement Policy (OP-710)
- Describe the environmental management instruments to be used in the Operation, with the objective of ensuring the integration of environmental and social criteria and indicators throughout the life of the Operation.
- List institutions responsible for the execution and the environmental and social management of the Operation (during the construction and operation phases of the interventions), in the various levels of government, and an analysis of the capacities of each one of the institutions, identifying if any institutional strengthening is needed to carry this out, including consultations.

F. ANALYSIS OF ALTERNATIVES

- Description of each of the potential sites considered for the construction of new infrastructure or expansion of existing infrastructure under Component 2.
- Brief analysis of alternatives using social, environmental, and sociocultural criteria.

G. ENVIRONMENTAL AND SOCIAL IMPACTS

- Identification and analysis of the environmental and social impacts of the Operation, including those impacts related to health and safety in the stages of construction, operation, and maintenance of the infrastructure to be financed under Component 2.
- Identify any gender issues associated with the Operation activities, including the context in which infrastructure, or services will be provided, including any epidemiological information about flow of informal workforce that may be associated with risk of transmission of sexually transmitted diseases or violence against women.
- Identification of the indicators of the main impacts (positive and negative) and risks that accompany the implementation of the works, infrastructure, and activities to be financed, considering the quantitative and qualitative situation of the respective parameters that serve as the baseline for monitoring.
- Environmental viability of the Program; evaluation of the effectiveness of the control measures of the negative impacts, proof of compliance with the environmental criteria and standards; prevention of environmental risks etc.

H. ENVIRONMENTAL AND SOCIAL MANAGEMENT(ESMP)

- The ESMP must include, as a minimum, the following components: (a) detailed description of the proposed environmental and social control and mitigation measures for project construction and operation, including compensation if relevant; (b) detailed description of the planned environmental and social monitoring program for both construction and operation; (c) description of the planned worker health and safety plan, procedures and

TERMS OF REFERENCE

controls; (d) description of planned environmental contingency plan and procedures; (e) description of the proposed environmental, health and safety management system (including personnel, training, documentation, auditing, etc.); and (f) description of project specific supervision and evaluation actions to be implemented. For each component listed above, the proposed time schedule (i.e., when initiated, when completed, frequency), responsibility (i.e., who will implement), and the estimated cost must be provided; this information should be provided for the individual actions within a component.

- In case of people or families occupying the land of any of the three possible locations where the infrastructure will be constructed under Component 2, a census of affected homes or families and the elaboration of an Involuntary Resettlement Plan should be included in the ESMP. While the census is within the scope of the current Terms of Reference, the Plan would be part of a supplemental Terms of Reference, NOT within the scope of these Terms of Reference (see DELIVERABLES section below).
- If there will be economic displacement of any small businesses in the area of any of the three possible sites that could occur as a result of construction activities or as a result of the physical displacement of places of business, prepare a census of those affected, and the elaboration of a Livelihood Restoration Plan should be included in the ESMP. . While the census is within the scope of the current Terms of Reference, the Plan would be part of a supplemental Terms of Reference, NOT within the scope of these Terms of Reference (see DELIVERABLES section below).
- If there will be displacement of any social services important to the well-being of the community adjacent to the building, including schools or youth centers, health or health-related centers, religious or spiritual centers, or community centers, propose measures to restore these services elsewhere.
- Environmental education program aiming for the better use and conservation of the installations and equipment and protection of the environment in the area of the Operation, including the infrastructure to be constructed.
- Provide guidelines to reduce and mitigate risks and impacts for each of the different types of interventions that are part of component 1 (such as; installing meters, installing pressure valves, replacing pipe, etc.)
- Provide guidelines for consideration of disabled persons during construction activities and operation of the infrastructure.

I. CONSULTATION PLAN

- Design a procedure for the carrying out consultations, which will include, as a minimum, the identification of key actors involved (including interested parties, and potentially affected population), a brief description of the Operation, a characterization of the potential negative social and environmental impacts, an explanation of the environmental and social management foreseen, a space to resolve questions, concerns and comments of the population, an analysis of the issues raised by the local people in order to identify those areas that are of greatest concern and based on these determine the need make adjustments, the documentation of the consultations carried out including the various issues raised by the groups of actors involved, and procedures for the publication of the consultation reports carried out to have transparency about this process. The procedure for the consultations should (i) support the Executing Agency to carry out the consultations about the Operation with different governmental, non-governmental and community-based organizations, organizations, Community leaders and a representative sample of the affected population; (ii) contain a description and detailed information at the level

TERMS OF REFERENCE

necessary to guide the process of the consultation, explaining the methodology used for the consultation with the relevant actors; and (iii) establish the need to publish the consultation reports carried out as part of the transparency of the process. See the guidance prepared by the Environmental and Social Safeguards Unit (ESG): <https://publications.iadb.org/handle/11319/8454>. In case indigenous communities are identified in the areas of intervention of Components 1 and 2 and qualify as indigenous under the Operative Policy on Indigenous Peoples (OP-765), elaborate measures as part of the Consultation Plan specific to those communities to ensure a socio-culturally appropriate consultation, including a sociocultural analysis of them and measures for following the legitimate decision-making and leadership structure of each, and in accordance with the language and culture of each of them. The socio-culturally appropriate consultation and sociocultural analysis are outside the scope of the current Terms of Reference but would be part of a supplemental Terms of Reference (see DELIVERABLES section below) in case indigenous communities are identified in the areas of intervention of the Operation.

TERMS OF REFERENCE

Job Title: Consulting Services for the preparation of NRW Action Plan

SU-L1058

Background

Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries.

The Republic of Suriname, specifically the Surinaamsche Waterleiding Maatschappij (SWM) is seeking financing for the purposes of improving efficiency, quality, and sustainability of the potable water services provided by SWM. The proposed Operation would include the following components: Component 1: Non-Revenue Water (NRW) reduction; Component 2: Upgrading water production infrastructure; and Component 3: Institutional Strengthening.

Objective of the Consultancy

The purpose of the consultancy is to prepare an Action Plan to support SWM in the institutionalizing the NRW program.

Background of this search: INE/WSA is seeking the services of a Consultant with experience in **Non-Revenue Water Management** at the institutional level to support the SWM by developing a plan to achieve this.

What you’ll do:

Task 1. Review of past analysis and understanding of the Water Supply Modernization Program

- The consultant will review relevant reports to gain understanding of SWM NRW strategy and needs to institutionalize such program and will provide recommendation for improvement of the NRW strategy if needed.

Task 2. Design Action Plan for NRW Unit.

- The consultant will recommend main functions of the NRW unit, as well as recommend definition of the required staff positions in the unit to make it functional.
- The consultant will recommend a strategy to ensure NRW is acknowledged in all levels of the organization.
- The consultant will define the role and responsibilities of the NRW unit and will propose terms of reference for the unit’s staff, including a coordination mechanism with other SWM departments, as needed.
- In addition, considering SWM execution capacity, the consultant will propose an implementation scheme for the NRW Component of the SU-L1058, assessing the advantages and disadvantages of a Co-Management contract against an in-house implementation.
- The Consultant will participate in an exchange between SWM and Jamaican WSC to discuss the Jamaica experience in Co-Management for implementation of NRW activities (date to be determined).
- The consultant will prepare terms of reference as needed for the execution of the NRW Component of SU-L1058 according to SWM decision.

Deliverables:

TERMS OF REFERENCE

The consultant will submit the following deliverables:

- Deliverable 1 – Workplan. The consultant will prepare a workplan to be approved by the Bank and SWM.
- Deliverable 2 – Assessment of NRW strategy and recommendations to institutionalize NRW activities, including recommendations for NRW unit as described in the tasks.
- Deliverable 3 – Final report including the revised assessment of NRW strategy and the Action Plan with recommendations to institutionalize NRW activities, recommendations for NRW unit as described in the tasks Proposal for implementation of the Strategy, TORs as required.

Deliverables and Payments timeline:

Three payments will be made:

- 20% upon approval of the workplan;
- 60% upon acceptance of deliverable 2; and
- 20% upon acceptance of deliverable 3

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries.

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: Master's degree. Civil Engineering, Water Management or another relevant field.

Experience: Non-revenue water specialist, with 10 year of experience in the implementation of NRW in government owned water utilities.

Languages: Command of English language is required; knowledge of Dutch language is desirable.

Core and Technical Competencies: Good communication skills, extensive knowledge of non-revenue water execution schemes and methods, preferably with experience in the context of projects financed by the IDB or other multi-lateral agencies.

Opportunity Summary:

- Type of contract and modality: PEC
- Length of contract: 30 non-continuous days.
- Starting date: August 22, 2019
- Location: Office of consultant, with one (1) field visit to Suriname of fifteen (10) days duration.
- Responsible person: Evan Cayetano (INE/WSA) with technical support of Marle Reyes (INE/WSA).
- 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.

TERMS OF REFERENCE

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.

TERMS OF REFERENCE

Job Title: Consulting Services for the preparation of Wastewater Action Plan

SU-T1127

Background

Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries.

The Republic of Suriname, specifically the Surinaamsche Waterleiding Maatschappij (SWM) is seeking financing for the purposes of improving efficiency, quality, and sustainability of the potable water services provided by SWM. The proposed Operation would include the following components: Component 1: Non-Revenue Water (NRW) reduction; Component 2: Upgrading water production infrastructure; and Component 3: Institutional Strengthening.

Objective of the Consultancy

The purpose of the consultancy is to make a diagnosis of the wastewater sector in Suriname to identify the most important challenges it faces and to obtain a prioritized action plan, identifying pre-investment and investment needs that will guarantee long-term sustainability of sewage, and sanitation systems and service within the framework of technical, financial and environmental self-sufficiency.

Background of this search: INE/WSA is seeking the services of a Consultant who can undertake an assessment of the wastewater sector in Suriname and identify an Action Plan for its improvement.

What you’ll do:

- A.** Carrying out a diagnosis of the situation of wastewater management in Suriname urban areas. The diagnosis will review the institutional, financial and technical aspects necessary to have a comprehensive view of the challenges around services. To do so, the diagnosis will be based on the review of secondary information and interviews with important actors. It should include at least the following information for the city of Paramaribo:
 - i. Institutional aspects:**
 - Responsibility of each level of government regarding the provision of services and the management of wastewater
 - Structure of the Utility Service Provider
 - Commercial aspects (situation of the user registry, invoicing and collection scheme, commercial efficiency, overdue portfolio)
 - Processes for customer support, awareness programs, and wastewater culture programs
 - Financial situation of the Utility Service Provider
 - Fee structure and levels including fees for the right to connect to sewage system; the fee for wastewater discharge to the drainage system, and if applicable, the sanitation fee.
 - ii. Sewage system**
 - Coverage of the sewage system services (conditions of the sewage system network, sewage pipe network, collectors and subcollectors)

TERMS OF REFERENCE

iii. Sanitation

- Existing treatment plants (number of plants, treatment processes, quality of discharges, operating conditions)
 - Projects and infrastructure for water reuse (water recharge to aquifers or reuse in industry or agriculture)
- B. If possible, the consultant will include the indicators that allow for a better understanding of the service provider's situation.
- C. Carrying out a diagnosis of the status of investments projects in execution regarding wastewater and sanitation in the city.
- D. Based on the diagnosis, the consultant will identify and **describe the most important challenges** the Utility Service Provider will face in order to guarantee long-term sustainability of services.
- E. The consultant will assess the potential for the reuse of wastewater and sludge management for nutrient utilization (biosolids). The consultant will consider any links between the management of the drainage infrastructure and the sanitation system.
- F. The consultant will **identify the actions and investment requirements** needed to solve, immediately and over a medium term, problems that cannot be delayed.
- G. Based on the evaluation of actions, a table will be elaborated indicating the following: the identified problem, the actions that have to be executed in order to solve the problem in the short, medium and long term, estimated cost, execution time, expected benefits and priority level. The actions will be presented separately and by type of action.
- H. Finally, for the purpose of complementing the program of actions, the consultant will define a series of **recommendations**, taking the following points into account:
- Institutional recommendations and goals.
 - Technical recommendations and goals.
 - Commercial recommendations.
 - Legal/regulatory framework recommendations.
 - Financial recommendations.

Several reports and studies executed by the IDB will be available for the consultant, which can help to carry out the diagnoses:

- *Water Supply and Sanitation Sector Diagnostic - 2005*
- *Suriname Water and Wastewater Sector Note - 2011*
- *Sanitation Sector Strategic Plan for the Republic of Suriname Final Report - 2010*

Deliverables:

The consultant will submit the following deliverables:

- Deliverable 1 – Workplan. The consultant will prepare a workplan to be approved by the Bank.
- Deliverable 2 – Draft report comprising the activities A to G.
- Deliverable 3 – Final report taking in consideration comments to the draft report.

Deliverables and Payments timeline:

TERMS OF REFERENCE

Three payments will be made:

- 20% upon approval of the workplan;
- 60% upon acceptance of deliverable 2; and
- 20% upon acceptance of deliverable 3

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries.

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: Master's degree. Civil Engineering, Water Management or another relevant field.

Experience: The consultant will have to demonstrate extensive international experience in engineering or related subjects. The consultant must have a minimum of 10-year experience in wastewater and urban sanitation subjects.

Languages: Command of English language is required; knowledge of Dutch language is desirable.

Core and Technical Competencies: Good communication skills, extensive knowledge of sanitation sector in Suriname, preferably with experience in the context of projects financed by the IDB or other multi-lateral agencies.

Opportunity Summary:

- Type of contract and modality: PEC
- Length of contract: 40 non-continuous days.
- Starting date: September 2019
- Location: Office of consultant, with two (2) field visit to Suriname of fifteen (5) days duration each.
- Responsible person: Evan Cayetano (INE/WSA) with technical support of Marle Reyes (INE/WSA).
- 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

TERMS OF REFERENCE

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.

TERMS OF REFERENCE

Job Title: Consulting Services for the preparation of Solid Waste Action Plan

SU-T1127

Background

Established in 1959, the Inter-American Development Bank (“IDB” or “Bank”) is the main source of financing for economic, social and institutional development in Latin America and the Caribbean. It provides loans, grants, guarantees, policy advice and technical assistance to the public and private sectors of its borrowing countries.

The Republic of Suriname, specifically the Surinaamsche Waterleiding Maatschappij (SWM) is seeking financing for the purposes of improving efficiency, quality, and sustainability of the potable water services provided by SWM. The proposed Operation would include the following components: Component 1: Non-Revenue Water (NRW) reduction; Component 2: Upgrading water production infrastructure; and Component 3: Institutional Strengthening.

Objective of the Consultancy

The general objective of this consultancy is to prepare a strategy and an action plan to deal with solid waste management challenges in Suriname. The specific objective of the consultancy is to elaborate, in collaboration with local authorities, a diagnosis and action plan (DAP) for the solid waste sector, over a 10-year execution period, presenting a clear proposal of the necessary and recommended priority lines of action.

Background of this search: INE/WSA is seeking the services of a Consultant who can undertake an assessment of the solid waste sector in Suriname and identify an Action Plan for its improvement.

What you'll do:

The diagnosis and action plan (DAP) will be prepared taking as inputs existing studies and information; the IDB's sector knowledge; the city's and national government's sector plans and programs; as well as lessons learned. The preparation activities of the DAP will be developed in two phases. In the first phase, a sector diagnosis and characterization will be done and sectoral development alternatives will be presented and analyzed with the main sector authorities, and based on this, the DAP will be further developed in the second phase.

- **Phase 1 - Sector Diagnosis and Perspectives: A characterization and diagnosis of the sector's situation will be undertaken and should include:**

Sector Review and Diagnosis: Review of the current configuration of the local and national legislation related to solid waste management, from its collection to its final disposal. The consultant will also review the existing studies on the state of solid waste management in the city of Paramaribo and other areas of the Coast. The information must be validated, if necessary.

In addition, a description of the condition of facilities and equipment and their operation will be made and compared to ideal or current state of the art equipment, facilities and infrastructure; indicating whether the existing facilities and equipment are adequate, appropriately located, and whether they comply with current standards. An operations assessment will also be made indicating whether the reported coverage is accurate; reporting the existence, number, and activities of the waste collectors; and describing the

TERMS OF REFERENCE

social and environmental impacts of the facilities.

The consultant will also carry out an institutional and regulatory sector evaluation. This assessment should include a complete analysis for every type of waste stream and every type of solid waste, including, at least, the residential, industrial, non-hazardous and hazardous users (including health care sector).

Interviews with main actors: Consider, among others, the local agency in charge of solid waste issues, and other agencies involved in solid waste management. The consultant should also include, in this process, the operators responsible for the collection and final disposal, the general public (residents) and the private sector (the most representative companies or organizations).

Alternative solutions to sector problems: Identification of the sector's development needs. Based on the diagnosis, the consultant is expected to identify lines of action in order to obtain the sector's development objectives. To do so, the consultant will present a feasibility analysis (political, financial, institutional) of the recommended actions. Among the financing options, he/she will have to consider participation options of the private sector, development banks, as well as the joint financing or not with governmental and nongovernmental, national and local donors. This sector action plan will also approach sector reform needs (including fees) and the investments to effectively extend the coverage and to guarantee quality services.

The diagnoses and evaluations of the current and historical situation should identify the main obstacles for the sector's development and the achievement of goals. In addition to the services' coverage, the text will analyze aspects of the quality of services, provision efficiency, sector financing, and environmental issues, for the purpose of offering a comprehensive view, as well as the opportunities and needs of solid waste management.

▪ **Phase 2 - Action Plan Development.**

After the consultant's discussion with the counterpart and the actors involved, an Action Plan proposal will be prepared, in which recommendations from the dialogues with local and national government and other institutions and actors are gathered, and medium and long-term lines of action are suggested, as well as the necessary financial instruments to obtain them.

The general content of the DAP will be the following: i) sector characterization, diagnosis and perspectives; ii) lines of action, reform agreements, sector support programs and projects; iii) phases and a timeline of the agreed upon actions; iv) financing plan; and v) monitoring plan.

Deliverables:

The consultant will submit the following deliverables:

- Deliverable 1 – Workplan. The consultant will prepare a workplan to be approved by the Bank.
- Deliverable 2 – Progress report comprising the phase 1 of the assignment.
- Deliverable 3 – Final report taking in consideration comments to the draft report and including phase 2.

Deliverables and Payments timeline:

Three payments will be made:

- 20% upon approval of the workplan;

TERMS OF REFERENCE

- 60% upon acceptance of deliverable 2; and
- 20% upon acceptance of deliverable 3

What you'll need:

Citizenship: You are a citizen of one of our 48-member countries.

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: Master's degree. Civil Engineering, Waste Management or another relevant field.

Experience: The consultant will have to demonstrate At least 15 years professional experience in the field of municipal solid waste management. The contractual will have to demonstrate extensive international and national experience in engineering or related subjects.

Languages: Command of English language is required; knowledge of Dutch language is desirable.

Core and Technical Competencies: Good communication skills, extensive knowledge of sanitation sector in Suriname, preferably with experience in the context of projects financed by the IDB or other multi-lateral agencies.

Opportunity Summary:

- Type of contract and modality: PEC
- Length of contract: 40 non-continuous days.
- Starting date: September 2019
- Location: Office of consultant, with two (2) field visit to Suriname of fifteen (5) days duration each.
- Responsible person: Evan Cayetano (INE/WSA) with technical support of Marle Reyes (INE/WSA).
- 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.

TERMS OF REFERENCE

Our team in Human Resources carefully reviews all applications.