



## **SCOPE OF WORK**

### **Renewable Energy technical support part-time consultant (Suriname)**

**Starting date: February 2022**

**Duration: 12 months**

#### **A. OBJECTIVE**

The **part-time** consultant will support the development of the renewable Energy Access for Sustainable Livelihoods and Development in the Amazon in Galibi for Suriname. This includes field visits to Galibi, Suriname.

#### **B. BACKGROUND (of the project)**

The Renewable Energy Access for Sustainable Livelihoods Pilot project focusses on the lack of access to clean and affordable energy which is one of the social challenges Amazon rural communities experience in Suriname, Bolivia and Colombia. Poverty in Suriname is estimated at around 25 percent, with much higher rates in interior regions at nearly 50 percent. Rural communities are disproportionately affected by poverty and extreme poverty, which correlates to other social problems such as access to education, healthcare, clean drinking water, and sanitation; violence against women and girls; and unemployment and labor informality. The covid-19 pandemic further exacerbates inequalities and the rapidly rising number of poor in Amazon countries, reinforcing precarious living conditions that increase the risk of infections. Amazon indigenous peoples are particularly vulnerable to covid-19, due to social and economic factors, exhibiting a higher-than-average death rate.

Together with other conservation and sustainable management strategies – through integrated landscape management approaches and complementary efforts to maintain healthy, connected rivers – access to clean energy can help keep the Amazon standing and protect its ecosystems, while supporting culturally appropriate sustainable development processes for local communities. In that sense, this project proposes to help expand renewable energies in the Amazon as an important brake on the pressures that affect the basin and for the added social benefits these energies hold potential to bring.

The goal of this project is to increase access to renewable energy (RE) alternatives that support sustainable livelihoods in isolated and/ or rural Amazon communities and advocate for expansion of RE nationally, in Bolivia, Colombia, and Suriname, to improve human wellbeing, reduce deforestation and degradation, maintain river connectivity, and decrease GHG emissions.

For Suriname this project will built on the existing relationship with the Galibi community, an isolated community located close to a nature reserve in the Suriname's coastal area (at the northern edge of the Amazon biome), WWF Guianas will work to increase community access to RE to ensure reliable electricity and internet connection. This effort will improve human wellbeing while enabling more effective community monitoring of biodiversity, particularly around sea turtle and jaguar conservation initiatives.

Specifically, the project will seek to improve and increase RE in two closely located communities in order to show the government the positive impact that renewable energies can have on communities' eco-tourism income and access to clean drinking water. The state is currently providing diesel on a monthly basis to the community to facilitate access to drinking water powered by diesel generators. While a small

solar energy installation exists, it does not function effectively, as the batteries have little capacity, among other factors and have lost much of their capacity because they are not kept at low temperatures.

Financial sustainability will be assessed with the community and government during the diagnostic phase, linked to the community owned eco-tourism lodges in the village and the government-owned tourism lodges at the nearby turtle nesting beach.

## C. STATEMENT OF WORK

### Activities for Suriname include:

- Join/participate in field trips
- Providing technical support on energy issues
- Assessing information on existing RE projects in the remote communities and in the Amazon to identify lessons learned for Suriname.
- Write ToR's concerning a gap analysis on the former solar panel project and water supply company in Galibi, feasibility study to identify the barriers and needs for Galibi and implementation solar system in Galibi
- Support in developing policy recommendations and advocacy roadmaps for Suriname with reflection on the existing long-term national development strategy which also emphasizes sustainable energy systems
- Assessing technical and non-technical enabling conditions for RE access in Galibi, Suriname
- Provide project management support to the project coordinator (organize stakeholder meetings, prepare team meetings, keep track of KPIs)
- Reporting on project progress e.g., findings, results and recommendations for the RE pilot
- Arrange logistics for field visits
- Facilitate brainstorming about interventions in the field
- Providing technical support in the field (e.g. Provide training to locals in maintain the ER system)
- Supervise the RE system based on components of energy security and expected LCOE (levelized-cost of electricity).

### Activities plan

	Activity	Y1, S1	Y1, S2
1.1	Assess RE expansion enabling conditions		
	Support in developing an analysis on enabling environment for RE expansion in the Amazon, with a focus on Suriname	x	
1.2	Assess RE access pilots in the Amazon		
	Develop an analysis of existing RE pilots in the Amazon, with a focus on Suriname.	x	
2	Build enabling conditions for the expansion of RE in Amazon countries		
	Develop and share with government and other stakeholders' policy recommendations for RE expansion in Suriname		x

	Organize national dialogues around energy access and RE in Suriname		
3.1	<b>Diagnostic and community buy-in</b>		
	Develop ToR for diagnostic on Galibi community needs, conditions and feasibility of RE installation	x	
	Engagement with Galibi community and local organizations to develop agreement and commitment for RE installation	x	
	Engagement with key stakeholders and partners regarding the project and their involvement	x	
3.2	<b>Installation and maintenance</b>		
	Develop ToR for the design of RE pilot application, and launch of a tendering process		x
	Development of a sustainability plan energy security plan		x
	Assist in the development of a capacity building plan		x
	Supervise Installation, Commissioning, and operation of a RE pilot application and expansion		
	Sustainability and capacity building plan implementation		x
	Reporting on all findings and recommendations made	x	x

## E. QUALIFICATIONS

### Required qualifications and experience

- At least a relevant bachelor's degree in Energy, engineering, or a related field
- A minimum of 5 years professional experience in off-/micro-grid renewable energy
- Specialized working experience in off-grid renewable energy projects design, cost benefit and socio-economic analysis, long term sustainability based on LCOE (levelized-cost of electricity) and identifying innovative models. Provide sample of previous work.
- Experience on engaging with and interacting with various stakeholders including indigenous communities
- Experience in renewable energy project coordination and development
- Work experience in drafting concept notes and other strategy papers on issues related to sustainable energy is an advantage

### Required Skills and Competencies

- Ability to coordinate, convene stakeholders and report in a timely manner
- Excellent organizational skill, service-minded, punctual, self-motivated, proactive, reliable, and demonstrated ability to work in harmony with government, private sector, and staff members of different national backgrounds
- Highly sensitive to local (indigenous) perspectives, cultures and traditions
- Excellent report writing skills and strong communication skills including presentation skills

- Proven capability to meet deadlines and work under pressure
- Must have local knowledge and awareness of environmental issues.
- Good Analytical and critical thinking skills
- Strong stakeholder engagement skills: Ability to build relationships of confidence with (senior) contacts in government, business, civil society and the donor community
- Good Analytical and critical thinking skills and keen to work in a team
- Willingness to promote teamwork and support others
- Willingness, ability, and availability to travel to field projects regularly
- Excellent oral and written communication skills in English and Dutch
- Adheres to WWF's values, which are: Respect, Results, Integrity & Partnerships
- Ability to conduct LCOE exercises

## **F. REPORTING**

- Submit a monthly update report regarding the status of the activities based on the activity plan.

## **H. SUPERVISION**

The consultant is responsible to the Conservation Manager Suriname or his designee. He/she will work under the specific technical guidance of the Oceans officer Technical Officer in Suriname.

## **J. DETAILED BUDGET & METHOD OF PAYMENT**

Payment will be made in US Dollars per month upon completion of all contractual requirements (meeting with the relevant institutions and organizations, field work, reporting etc.) after the submission of a signed invoice. An estimated budget for travel to the field will be added by WWF. There will be an estimated field budget made available for field activities.

If interested please share your resume, letter of interest and an indicative monthly fee (**part-time**) based on the activity plan in the scope of work by January 30, 2022, with Soraya Wijntuin, Oceans Officer of WWF-Guianas ([swijntuin@wwf.sr](mailto:swijntuin@wwf.sr)).