

Project title:	ADB TA-6680 REG: Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility (49450-028)
Position:	Electrical Engineer/ Team Leader
Location:	Tuvalu
Eligible nationalities:	Tuvaluan
Start of project:	April 2021
Assignment duration:	8 months
Deadline:	25th of January 2021
Objective and purpose of the project:	<p>The proposed regional Transaction Technical Assistance facility (F-TRTA) aims to assist the Pacific Island Countries (PIC-11) to achieve ambitious renewable energy targets, reduce reliance on diesel, reduce power generation costs and put downward pressure on tariffs, avoid greenhouse gas emissions, and build institutional capability. The objective is to support the development of the emerging solar energy application known as floating solar photovoltaic technology (FPV) in the Pacific region.</p> <p>The purpose of this assignment is to enable sustainable, resilient, and low-carbon development in the region, infrastructure investments shift to regional and cross-sectoral approaches beyond business as usual, by using available indigenous resources, advanced technologies, new business models and innovative designs. As one of the proposed solutions is floating solar photovoltaic technology (FPV) which is deemed optimal for PIC as the technology is well-placed to tap the enormous water surface and solar resource potential.</p> <p>Under the TA the potential and feasibility of FPV will be assessed and a roadmap and pipeline of priority FPV projects in the PIC-11 developed in order to address unique vulnerabilities and needs, considering energy sector plans and strategies, current and planned interventions and utility reforms, including demand-side management and efficiency measures as well as value-added end-uses beyond electricity</p> <p>Feasibility studies and all required due diligence to prepare FPV projects in Kiribati, Tonga and Tuvalu for approval within 2022-2023 under the Pacific Renewable Energy Investment will be carried out. The TA will also conduct assessments and confirm the site, scope, design, and configuration and prepare the following gender-sensitive, efficient and climate-resilient FPV projects under the facility that incorporate cost-effective value-added benefits. Under the project the use of innovative procurement and contracting approaches such as joint regional procurement of design-build-operate contracts for the public-sector funded projects will too be promoted.</p>
Main activities:	The expert, as the nationals team leader, will assist the team leader to execute his/her responsibilities, providing due diligence and recommendations for compliance with respective country standards, codes, laws, and regulations
Qualifications required:	<p><u>Qualifications and skills:</u></p> <ul style="list-style-type: none"> - Bachelor's degree or higher and professional certification in electrical engineering, mechanical engineering, or related fields <p><u>General professional experience:</u></p> <ul style="list-style-type: none"> - at least 5 years of relevant professional experience in engineering and design, operation, and management of power plants and transmission systems <p><u>Specific professional experience:</u></p> <ul style="list-style-type: none"> - Previous experience in ADB funded or similar projects is desirable - Experience in providing: <ol style="list-style-type: none"> inputs and assistance to international experts in the delivery of various outputs due diligence and recommendations for compliance with respective country standards, codes, laws and regulations.
Other information:	<i>If you are interested in this position, please send your CV under the heading "Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility" and address it to Mr. Todor Netzov (tn@ntu.eu). When sending your application please include an indication of your desired remuneration (month-rate). Please also make sure that you include one or more telephone numbers. Only selected candidates will be contacted.</i>
Contact:	tn@ntu.eu