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# ASIAN DEVELOPMENT BANK

## Project Data Sheet

Project 49450-028

Project Name Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility

Project Number 49450-028

Country / Economy Regional  
Cook Islands  
Micronesia, Federated States of  
Kiribati  
Nauru  
Palau  
Marshall Islands  
Samoa  
Solomon Islands  
Tonga  
Tuvalu  
Vanuatu

Project Status Active

Project Type /  
Modality of Assistance Technical Assistance

**TA 6680-REG: Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility**

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Source of Funding / Amount Asian Clean Energy Fund under the Clean Energy Financing Partnership Facility US\$ 2.00 million

**TA 6680-REG: Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility**

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Clean Energy Fund under the Clean Energy Financing Partnership Facility US\$ 1.50 million

Operational Priorities OP2: Accelerating progress in gender equality  
OP3: Tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability  
OP6: Strengthening governance and institutional capacity  
OP7: Fostering regional cooperation and integration

Sector / Subsector **Energy** / Electricity transmission and distribution - Energy efficiency and conservation - Energy sector development and institutional reform - Renewable energy generation - solar

Gender Some gender elements

Description

The proposed transaction technical assistance (TA) facility will assess the potential and feasibility, develop a roadmap, and build institutional capacity to deploy floating photovoltaic (FPV) projects in the 11 small Pacific island countries (PIC-11). The TA will also conduct all required due diligence and assist in procurement for the first three FPV projects for approval in 2022-2023 under the Pacific Renewable Energy Investment Facility (facility). The TA will also conduct pre-feasibility studies for the next three FPV projects for potential ADB and private sector financing. It will develop a roadmap with a pipeline of FPV projects in the PIC-11 to address vulnerabilities and needs, considering current energy sector plans and strategies, interventions and utility reforms, and include demand-side management and efficiency measures as well as value-added end-uses beyond electricity.

Project Rationale and Linkage to Country/Regional Strategy

PICs continue to rely heavily on imported fossil fuels for energy and transport, and on imported food given their remoteness and extreme land and natural resource constraints. But these small island states are large ocean states and have critical freshwater resources that need to be conserved and protected. With solar PV being the least-cost energy generation technology in the PICs, the emerging FPV technology is well-placed to tap their enormous water surface and solar resource potential. FPV addresses their unique challenges and vulnerabilities while limiting climate impacts.

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### **Project Outcome**

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Description of Outcome

Progress Toward Outcome

### **Implementation Progress**

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Description of Project Outputs

Status of Implementation Progress  
(Outputs, Activities, and Issues)

Geographical Location

Cook Islands - Nation-wide; Kiribati - Nation-wide; Marshall Islands - Nation-wide; Micronesia, Federated States of - Nation-wide; Nauru - Nation-wide; Palau - Nation-wide; Samoa - Nation-wide; Solomon Islands - Nation-wide; Tonga - Nation-wide; Tuvalu - Nation-wide; Vanuatu - Nation-wide

### **Summary of Environmental and Social Aspects**

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Environmental Aspects

Involuntary Resettlement

Indigenous Peoples

### **Stakeholder Communication, Participation, and Consultation**

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During Project Design

During Project Implementation

## Business Opportunities

Consulting Services ADB has engaged a consulting firm following the ADB Procurement Policy (2017, as amended from time to time) and its associated staff instructions. The TA facility will require 65 person-months of international consultants' and 72 person-months of national consultants' input. The consultant firm was engaged through quality- and cost-based selection using full technical proposal (quality to cost ratio of 90:10). The consulting firm has been recruited to deliver the TA outputs, and conduct all due diligence required for processing the three ensuing projects and provide procurement support.

Responsible ADB Officer Tiangco, Cinderella C.  
 Responsible ADB Department Sectors Group  
 Responsible ADB Division Energy Sector Office (SG-ENE)  
 Executing Agencies *Asian Development Bank*

## Timetable

Concept Clearance -  
 Fact Finding -  
 MRM -  
 Approval 15 Dec 2020  
 Last Review Mission -  
 Last PDS Update 26 Sep 2022

## TA 6680-REG

### Milestones

Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
15 Dec 2020	-	15 Dec 2020	31 Dec 2024	-	-

### Financing Plan/TA Utilization

Financing Plan/TA Utilization							Cumulative Disbursements	
ADB	Cofinancing	Counterpart		Project Sponsor	Others	Total	Date	Amount
		Gov	Beneficiaries					
0.00	3,500,000.00	0.00	0.00	0.00	0.00	3,500,000.00	09 Sep 2023	1,533,886.45

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