



**ASIAN DEVELOPMENT BANK
PACIFIC SUBREGIONAL OFFICE (SPSO)**

**G0347/G0348/G0444/G0445/G0446/G0528/G0586/G0587/G0588 and L3509-TON:
Outer Island Renewable Energy Project
Virtual Fourth Mid-Term Review Mission
24-30 March 2021**

MEMORANDUM OF UNDERSTANDING

I. INTRODUCTION

1. A virtual fourth mid-term review Mission (the Mission)¹ from the Asian Development Bank (ADB) was conducted on 24-30 March 2021, to review the progress and discuss implementation issues, relating to the Outer Island Renewable Energy Project (OIREP). The Mission held virtual meetings with the representatives of the Ministry of Finance (MOF); the Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communication (MEIDECC); Tonga Power Limited (TPL); the Project Management Unit (PMU); Office of the Auditor General; Government of Australia's Department of Foreign Affairs and Trade (DFAT) and the Delegation of the European Union for the Pacific (EU) officials and a list of persons met is included in **Annex 1**.

2. The findings of the Mission, outcomes of the discussions, and recommendations are summarized in this Memorandum of Understanding and are subject to review and approval of higher authorities of the Government and the ADB.

II. BACKGROUND

3. On 27 June 2013, ADB approved the original project comprising a grant of US\$2.00 million from ADB's Special Funds resources (Grant No. 0347) and the administration of a Government of Australia grant cofinancing of US\$4.50 million (Grant No. 0348). Both grants were declared effective on 9 June 2014. On 20 October 2015, ADB approved a 1st additional financing comprising a grant of US\$1.44 million from ADB's Special Funds resources (Grant No. 0444) and the administration of a European Union grant of US\$3.57 million (Grant No. 0445) and a Second Danish Cooperation Fund for Renewable Energy and Efficiency for Rural Areas grant of \$0.75 million (Grant No. 0446), as additional cofinancing for the original project. The 3 grants became effective on 13 November 2015. On 14 December 2016, ADB approved a 2nd additional financing of a loan of US\$2.50 million (Loan No. 3509) and a grant of US\$2.50 million (Grant No. 0528), from ADB's Special Funds resources. The loan and grant were declared effective on 28 March 2017. The 6 grants and loan will close on 31 March 2022. On 31 July 2018, ADB approved a 3rd additional financing comprising a grant of US\$5.50 million from ADB's Special Funds resources (Grant No. 0586) and the administration of a Global Environment Facility grant not exceeding US\$2.64 million (Grant No. 0587) and a Government of Australia (represented by the Department of Foreign Affairs and Trade) grant of US\$0.74 million (Grant No. 0588) as additional cofinancing for the original project. The 3 grants were declared effective on 20 September 2018 and will close on 31 July 2022. On 1 December 2020, ADB approved the administration of a Government of Australia (represented by the Department of Foreign Affairs and Trade) grant of US\$1.91 million (Grant No. 0768) as a 4th additional cofinancing for the original project. The grant was declared effective on 14 December 2020 and will also close on 31 July 2022.

¹ The Mission comprised: (i) Grace King, Senior Project Officer/Team Leader; (ii) Ferila Brown, Safeguards Officer; and (iii) Lavenia Uruvaru, Project Analyst, SPSO, ADB.

4. The impact of the project is the reduction of Tonga's dependence on imported fossil fuel for power generation and the outcome of the project is the provision of on-grid and off-grid generation solar power at a reduced cost. The project has 3 major outputs: (i) construct and install solar power systems with a total capacity of 1.32 MWp on 9 outer islands of Tonga and the existing grid network on the islands of Vava'u and 'Eua rehabilitated by TPL; (ii) operations and maintenance knowledge transferred through training; and (iii) project implemented and managed efficiently.

5. The MOF is the executing agency (EA) and is responsible for the overall implementation of the project. The Energy Division, MEIDECC and TPL are the implementing agencies (IA) and through the PMU, is responsible for the implementation of the project, including the day-to-day project activities, in compliance with the provisions of the grant/loan agreements and government policies and guidelines, project administration, preparation of withdrawal applications, and maintenance of records.

III. MISSION FINDINGS

6. **Overview of Implementation.** As of 22 March 2021, the overall implementation progress is estimated at 67.00% against an elapsed grant utilization period of 76.66%.² Cumulative contracts awarded totaled US\$22.98 million or 81.73% of the US\$28.12 million grant and cumulative disbursements totaled US\$17.56 million or 62.47%. Overall, the project currently has US\$5.14 million in Uncommitted Funds, which will be used on the remaining approved procurement packages, for which contracts will soon be awarded. The financial details are provided in **Annex 2**.

7. **Completed Phases of Work.** There are 4 Phases of works being conducted under the project and works that have been completed include the following:

- a) **Phase 1 On-grid generation** – solar photovoltaic generators have been installed and connected to the existing distribution networks (200 kWp on 'Eua, SCADA repair program on Vava'u and 550 kWp on Ha'apai with 330 kWp of batteries) US\$3.00 million.
- b) **Phase 2 Mini-grid generation** – installation of 6.5 kWh of batteries across 130 solar home systems (SHS) on Niuafo'ou, as well as a new solar system for the Health Clinic and 160 kWp SHS on Niuafo'ou US\$0.20 million.
- c) **Phase 3 On-grid distribution** – rehabilitation of 100% of existing grid network on 'Eua.

8. **Ongoing Phases of Work.** The Mission was updated on the status of the ongoing work:

- a) **Phase 2 Mini-grid generation** – solar photovoltaic generators are to be installed and connected to existing community-owned and community-managed electrical mini-grids on 4 Ha'apai outer islands (100 kWp of solar and 210 kWh of batteries on 'Uiha, 100 kWp of solar and 210 kWh of batteries on Nomuka, 100 kWp of solar and 210 kWh of batteries on Ha'ano, 60 kWp of solar and 110 kWh of batteries on Ha'afeva) and on Niuatoputapu (150 kWp of solar and 295 kWh of batteries) US\$3.65 million.

The Mission was updated that as of December 2020, the contractor has completed 80% of the contract which includes all concrete foundations, solar structure installations, solar module installations, electrical cable installations, and most of the power station renovations on all 5 sites but during their February/March 2021 site visits, MEIDECC found defects with the works. MEIDECC are liaising with Gamma to fix those defects and will keep the Mission updated.

² The Grants/Loan utilization period has been calculated based on the Grants/Loan effectiveness dates and closing dates.

The Mission was also updated that Amendment 3 to the contract, to reduce the Letter of Credit amount from US\$1.79 million to US\$0.22 million, has been signed by MEIDECC and is currently with Gamma for signature. Once signed, MEIDECC will finalise arrangements with ANZ Bank, to provide a draft Letter of Credit for MEIDECC/MOF/ADB to clear. MEIDECC has requested for the project to fund the ANZ Bank fee for the Letter of Credit and once ANZ Bank confirms their fee, a request will be submitted to ADB. The Mission updated MOF/MEIDECC that once the Letter of Credit process is completed, MEIDECC is to prepare a corresponding Commitment Letter withdrawal application, for MOF approval and submission to ADB. ANZ Bank's Letter of Credit will only become operational, when ADB's Commitment Letter procedure is completed.

Two of Gamma's staff need to travel to Tonga, to complete the final works, including the commissioning and hand-over of the assets to MEIDECC. The Mission was updated that MEIDECC have sent Gamma the letters that the Gamma staff need, in order to book their flights to Tonga and to meet New Zealand's quarantine requirements. MEIDECC was requested to keep the Mission updated.

Gamma's contract requires the removal of the old generators from the existing powerhouses on the 4 Ha'apai outer islands, to be replaced by the new generators, which the project funded. The communities in the 4 Ha'apai outer islands have requested MEIDECC to provide adequate shelters for the old generators, which were funded by the Government of Australia and the communities. The old generators are still in working condition and can be used as a potential backup system. In addition, due to the remote nature of these outer islands and their noted vulnerability to the impact of tropical cyclones, MEIDECC proposes to safeguard the investments through cyclone-proofing the powerhouses. The additional scope of works will entail installing cyclone shutters to provide the necessary protection against potential strong winds, heavy rain, and cyclone driven debris. During the Mission, MEIDECC submitted a request to ADB, for approval to use project savings under Grant Nos. 0586/0587 and for a change in the procurement plan, to include a new shopping package – storage shelter extensions and window shutters for existing powerhouses on Nomuka, Ha'afeva, 'Uiha and Ha'ano Islands – which is estimated to cost US\$100,000. The Mission will seek ADB Management's approval of the request and will advise MEIDECC/MOF, accordingly.

b) Phase 3 On-grid distribution – rehabilitation of 100% of the existing grid network on Vava'u. Funding from the following three Grants and one Loan will enable the 100% completion of the rehabilitation works on Vava'u:

- i) European Union Grant No. 0445 totaling US\$3.57 million – has been fully disbursed and was financially closed on 10 December 2020. The implementation period of the Grant ended on 27 December 2020 and a final report will be due to the EU by 27 June 2021, which the Mission requested for MEIDECC/TPL's support with.
- ii) ADB Grant Nos. 0444 and 0528, totaling US\$1.44 million and US\$2.50 million, respectively – have also been fully disbursed and were financially closed on 8 March 2021.
- iii) ADB Loan No. 3509 totaling US\$2.57 million and part of the Government of Australia Grant No. 0768 totaling US\$1.30 million – are funding the remaining 7 ongoing works/supply contracts.

A condition of withdrawal from Grant No. 0768 was that Grant Nos. 0444/0445/0528 and Loan No. 3509 be fully disbursed. As only Loan No. 3509 is left to be fully disbursed, a modification to the condition of withdrawal is needed, which ADB approved on 26 March

2021. A letter confirming the approval, along with an amendment to the Grant Agreement which MOF and ADB are to sign, will soon be submitted to MOF.

c) **Phase 4 Mini-grid distribution – upgrade of the existing service lines on 4 Ha’apai outer islands and the construction of a new mini-grid on Niuatoputapu.** Grant Nos. 0586/0587 are funding 15 contracts under this Phase and: (i) 2 contracts, totaling US\$230.95, have been closed; (ii) 16 contracts, totaling \$3.37 million are ongoing; (ii) revised bids for 2 remaining contracts (Lot 1 of the Conductors package and the Sand package), estimated to cost US\$1.155 million, will soon be due; and (iii) the draft RFQ for the last contract, estimated to cost US\$0.23 million, will be submitted to ADB for approval in April 2021.

The updated project procurement plan is attached as **Annex 3** and the progress of the ongoing contracts is attached as **Annex 4**.

9. **Outer Island Institutional Set-up Consultations.** MEIDECC is required to carry out consultations and formalize the institutional setup for the outer islands’ O&M. MEIDECC conducted consultations in 2019, 2020 and in February/March 2021. MEIDECC updated the Mission that with the resignation of the Project Manager, MEIDECC will continue its consultations in the outer islands, on a regular basis.

10. **Output 2 – by the end of 2022 knowledge of solar electric and hybrid equipment is transferred in the 5 years after commissioning of the system.** This will be part of the MEIDECC-TPL contract for the O&M of Phase 2 and 4 assets, which will be handled by the O&M consultant.

11. **Output 3 – the project is implemented and managed efficiently.** A contract with the project management consultant firm, Sustainable Technology Resources Pte Ltd, is ongoing and will be completed after acceptance of the Phase 2 works. The current contracts of the 3 PMU staff (i) Project Manager; (ii) Social Gender Development Safeguards and Monitoring Evaluation Specialist; and (iii) Project Accountant/Contracts Administrator, will end on 30 June 2021. The Project Manager tendered his resignation to MOF/MEIDECC on 15 March 2021, with his last day being 31 March 2021. The Mission was updated that MOF/MEIDECC have accepted the Project Manager’s resignation and that the Director, Energy Division in MEIDECC will act as Project Manager, while arrangements for the recruitment of a replacement are underway. MEIDECC and the Project Manager are handling the handover arrangements. Under the 4th additional cofinancing, extensions to the Safeguards Specialist and Project Accountant’s contracts, to 31 July 2022, were approved and the relevant documents are being prepared for signing. An O&M consultant was recruited in March 2021 and will join the MEIDECC Team when they conduct their next site visits in April 2021.

12. The Second Danish Cooperation Fund for Renewable Energy and Energy Efficiency for Rural Areas Grant No. 0446 totaling US\$0.75 million, which funded the first contracts of the PMU staff, has been fully disbursed and was financially closed on 10 December 2020. STR’s contract continues to be funded under Grant Nos. 0347/0348 and the PMU consultants continue to be funded under Grant No. 0588, while their extensions will be funded under Grant No. 0768.

13. **Financial Management.** The Mission acknowledged receipt of TPL’s audited project financial statements and audited entity financial statements for the year ended 30 June 2020, on 24 February and 29 March 2021, respectively. The Mission also met with the Auditor General and his staff, who are continuing their audit of MEIDECC’s consolidated project financial statements and are verifying some of TPL’s contributions to the project. Once completed, the audit will be finalized, signed and shared with ADB. The project financial report continues to be included in the quarterly

progress reports, which are shared with all stakeholders including Government, TPL, ADB, DFAT and EU.

14. **Safeguards.** The Mission acknowledged receipt of the 2nd bi-annual monitoring report for 2020, which has been uploaded on ADB's website. The Mission was updated that the 1st report for 2021 will be submitted to ADB by 30 April 2021. The PMU, in MEIDECC, shared a report of their site visits to Niuatoputapu and Vava'u, which were conducted on 5-8 March 2021. The report outlined issues relating to uneven ground levels, site management and solid waste management, conditions of welfare facilities for workers, including the inadequacy of Personal Protective Equipment for workers, which have been raised with the contractor to immediately resolve. The Grievance Redress Mechanism is working effectively well and the PMU, in MEIDECC, are monitoring and undertaking follow-ups in relation to grievances that are associated with constructions works.

15. **Gender Action Plan.** The Mission was updated that monitoring of compliance against the gender action plan (GAP) is ongoing and as of March 2021, 19 targets/activities have been achieved and 9 are on track to be achieved. The updated GAP continues to be included in the quarterly progress reports which are shared with all stakeholders, including Government, TPL, ADB, DFAT and EU. A detailed status is attached as **Annex 5**.

16. **Project Progress Reports.** The Mission acknowledged the timely submissions of the Q4 2020 quarterly and 2020 Annual progress reports and was updated that the Q1 2021 quarterly project report, will be submitted to ADB by 30 April 2021.

17. **Grants/Loan Covenants.** The Mission reviewed compliance with the grant/loan covenants with MOF/MEIDECC and of the 39 covenants: (i) 2 have already been complied with; (ii) 2 are not applicable (land acquisition and involuntary resettlement are not required, and indigenous peoples are not impacted); (iii) 3 are not yet due; and (iv) the remaining 32 are being complied with and a detailed status is in **Annex 6**. The Mission commended MEIDECC/MOF on the work being done to ensure compliance with the covenants.

18. **Project Outputs.** The Mission reviewed achievements of the project outputs with PMU/MEIDECC/TPL/MOF and noted that good progress continues to be made. A detailed status is attached as **Annex 7**.

IV. CONCLUSIONS AND RECOMMENDATIONS

19. **Updated Time-bound Action Plan.** The Mission and the EA/IA reviewed and discussed implementation of the Action Plan for the next 6 months, which outlines key actions and timelines to support project implementation. Details are provided in **Annex 8**.

20. The Mission conveys its appreciation for the cooperation and guidance provided by the Government of the Kingdom of Tonga, TPL and PMU officials. The Mission also conveys its appreciation to the first Project Manager of the PMU, Mr. Johnny Lillis, for all his work over the 5 years that he has been with the project and wishes him well in his future endeavors.

Signed on 30 March 2021



Mrs. Pilimilose Balwyn Fagotusia
Chief Executive Officer
Ministry of Finance


Ms. Grace King
Senior Project Officer/Mission Leader
Asian Development Bank

List of Annexure

Annex 1	List of Persons Met
Annex 2	Financial Status
Annex 3	Procurement Plan
Annex 4	Ongoing Contracts
Annex 5	Gender Action Plan
Annex 6	Grant/Loan Covenants
Annex 7	Project Outputs
Annex 8	Time-Bound Action Plan

List of Persons Met

Ministry of Finance

Ms. Pilimilose Balwyn Fa'otusia	Chief Executive Officer
Ms. Elizabeth Baker	Deputy Chief Executive Officer, Project and Aid Management Division
Ms. Asopesio Lakalaka	Economist, Project and Aid Management Division

Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications

Mr. Paula Ma'u	Chief Executive Officer
Mr. Tevita Tukunga	Director, Energy Division
Mr. Johnny Lillis	OIREP Manager, Project Management Unit
Mr. Hikaione Loumoli	Safeguards Specialist, OIREP PMU
Ms. Pesi Henwood	Project Accountant, OIREP PMU
Mr. Solomon Latu	Operations and Maintenance Specialist, OIREP PMU

Tonga Power Limited

Mr. Setitaia Chen	Chief Executive Officer
Mr. Sione Pongi	OIREP Phase 3 Project Manager, Vava'u

Office of the Auditor General

Mr. Sefita Tangi	Auditor General
Ms. Lotomo'ua Tu'ungafasi	Executive Director, Compliance Unit
Mr. Kentaki Tai	Audit Senior, Compliance Unit

Government of Australia

Ms. Shelly Thomson	Second Secretary Development
Ms. Kilisitina Best	Project Manager – Infrastructure, DFAT

Delegation of the European Union for the Pacific

Ms. Shirleen Swapna	Programme Manager Climate Change, Energy and Circular Economy
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Asian Development Bank, Pacific Country Office, Tonga

Ms. 'Ana Talau	Senior Operations Assistant
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Grant Nos. 0347/0348/0444/0446/0528/0586/0587/0588/0768 and Loan No. 3509-TON: Outer Island Renewable Energy Project

Project Finances - Donor Summary

In USD
as at 22 March 2021

	Grant/Loan No.	Donor	Financing	Phase	Allocation	Contracts		Uncommitted Grant/Loan Balances
						Total	Disbursed	Undisbursed
1	G0347	ADB	Original	1+Part 2	2,000,000.00	1,995,321.13	1,942,987.91	52,333.22
2	G0348	Government of Australia			4,500,000.00	4,500,000.00	4,184,392.59	315,607.41
3	G0444	ADB			1,440,000.00	1,440,000.00	1,440,000.00	-
4	G0445	European Union			3,570,000.00	3,570,000.00	3,570,000.00	-
5	G0446	Second Danish Cooperation Fund for Renewable Energy and Energy Efficiency for Rural Areas	AF1	3+Consultants	750,000.00	750,000.00	750,000.00	-
6	G0528	ADB			2,500,000.00	2,500,000.00	2,500,000.00	-
7	L3509	ADB	AF2	3	2,564,077.91	2,305,312.82	1,786,903.92	518,408.90
8	G0586	ADB			5,500,000.00	2,581,920.64	931,638.01	1,650,282.63
9	G0587	Global Environment Facility	AF3	Parts 2+4 Consultants	2,639,269.00	1,465,398.86	204,749.85	1,260,649.01
10	G0588	Government of Australia			740,000.00	596,109.44	253,240.20	342,869.24
11	G0768	Government of Australia	AF4	3+Consultants	1,912,000.00	1,275,387.47	-	1,275,387.47
	Total				\$ 28,115,346.91	\$ 22,979,450.36	\$ 17,563,912.48	\$ 5,415,537.88
								\$ 5,135,896.55

Note

- 1 Grant Nos. 0445 and 0446 - Fully disbursed and financially closed on 10 December 2020.
- 2 Grant Nos. 0444 and 0528 - Fully disbursed and financially closed on 8 March 2021.

Grant Nos. 0347/0348/0444/0445/0446/0528/0586/0587/0588/0768 and Loan No. 3509-TON: Outer Island Renewable Energy Project
Project Finances - Category Details
in USD
as at 22 March 2021

	Donor	Grant/Loan		Allocation	Total	Contracts		Uncommitted Grant/Loan Balances
		Number	Category			Disbursed	Undisbursed	
1	GOA/EU/ADB	G0348/G0445/L3509/G0768	ADB Misc. Grant Admin. and Support Costs and Interest	940,287.75	765,655.19	531,058.71	234,596.48	174,632.56
2	ADB/GOA/SCDF	G0347/G0348/G0446/G0588/G0768	Project Management Consultants	2,500,000.00	2,096,109.44	1,693,450.20	402,659.24	403,890.56
3	ADB/GOA/EU/GEF	G0347/G0348/G0444/G0445/G0446/L3509/G0528/G0586/G0587/G0768	Works	23,603,059.16	20,117,685.73	15,339,403.57	4,778,282.16	3,485,373.43
4	ADB/GOA	G0586/G0588/G0768	Unallocated	1,072,000.00	-	-	-	1,072,000.00
	Total			\$ 28,115,346.91	\$ 22,979,450.36	\$ 17,563,912.48	\$ 5,415,537.88	\$ 5,135,896.55

Procurement Plan Basic Data

Project Name: Outer Island Renewable Energy Project	
Project Numbers: 43452-022 (Original) 43452-023 (Additional Financing 1) 43452-024 (Additional Financing 2) 49450-006 (Additional Financing 3) 43452-025 (Additional Financing 4)	Approval Numbers: G0347/G0348 (Original) G0444/G0445/G0446 (Additional Financing 1) L3509/G0528 (Additional Financing 2) G0586/G0587/G0588 (Additional Financing 3) G0768 (Additional Financing 4)
Country: Tonga	Executing Agency: Ministry of Finance
Project Procurement Classification: B	Implementing Agencies: Tonga Power Limited and Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications
Procurement Risk: Low	
Project Financing Amount: \$28.12 million ADB Financing: \$14.01 million Cofinancing (ADB Administered): \$14.11 million	Project Closing Dates: Original+AF1+AF2 on 31 March 2022 AF3+AF4 on 31 July 2022
Date of First Procurement Plan: June 2013	Date of this Procurement Plan: 30 March 2021

A. Methods, Thresholds, Review and 18-Month Procurement Plan

1. Procurement and Consulting Methods and Thresholds

Except as the Asian Development Bank (ADB) may otherwise agree, the following process thresholds shall apply to procurement of goods and works.

Procurement of Goods and Works		
Method	Prior or Post	Comments
International Competitive Bidding (ICB) for Works	Prior	Over \$3,000,000
International Competitive Bidding for Goods	Prior	Over \$1,000,000
National Competitive Bidding (NCB) for Works	Prior	\$300,000 up to \$3,000,000
National Competitive Bidding for Goods	Prior	\$300,000 up to \$1,000,000
Direct Contracting for Goods and Associated Services	Prior	<\$30,000 or other special circumstances PAI 3.06/3.07
Force Account for Works		Within NCB threshold for Works
Shopping for Works	Post	Less than \$300,000
Shopping for Goods	Post	Less than \$300,000

Consulting Services		
Method	Prior or Post	Comments
Fixed Budget Selection (firm)	Prior	

2. Goods and Works Contracts Estimated to Cost \$1 Million or More

The following table lists goods and works contracts for which the procurement activity is either ongoing or expected to commence within the next 18 months.

Package Number	General Description	Estimated Value	Procurement Method	Review [Prior / Post/Post (Sampling)]	Bidding Procedure	Advertisement Date (quarter/year)	Comments
Additional Financing III							
ICB-P4-CONDU CTOR-01	Conductors, transformers, and other electrical material: Lot 1 HV UG Conductor, LV UG Conductor,	1.000m	ICB	Prior	Goods 1S1E	Q3 2020	Bids closed 13Mar20/cancel 26Jun20/ rebid 21Aug20/closed 23Sep20/BEC's BER Feb21/ 5 responsive bidders did not agree to an

	Service Line UG Conductor						extension so, revised bids sought/ close 31Mar21
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3. Consulting Services Contracts Estimated to Cost \$100,000 or More

The following table lists consulting services contracts for which the recruitment activity is either ongoing or expected to commence within the next 18 months.

Package Number	General Description	Estimated Value	Recruitment Method	Review (Prior / Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments

4. Goods and Works Contracts Estimated to Cost Less than \$1 Million and Consulting Services Contracts Less than \$100,000 (Smaller Value Contracts)

The following table groups smaller-value goods, works and consulting services contracts for which the activity is either ongoing or expected to commence within the next 18 months.

Goods and Works								
Package Number	General Description	Estimated Value	Number of Contracts	Procurement Method	Review [Prior / Post/Post (Sampling)]	Bidding Procedure	Advertisement Date (quarter/year)	Comments
<i>Additional Financing III</i>								
SHO-P4-METERS-01	Supply of Dual Tariff 1-Phase and dual Tariff 3-Phase Pre-Paid Meters incl. accessories	0.230m	1	Shopping	Prior	N/A	Q1 2021	MEIDECC to submit draft RFQ to ADB for clearance Apr21
SHO-P4-SAND-06	Sand	0.155m	1	Shopping	Prior	N/A	Q3 2020	MLNR approval included specific extraction requirements Feb21/BEC's BER Mar21/ RFQs re-issued to 5 bidders/close Apr21
SHO-P4-Shelters-07	Storage shelter extension and window shutters for existing powerhouses on 4 Ha'apai islands	0.100m	1	Shopping	Prior	N/A	Q2 2021	MEIDECC requested ADB 25Mar21/ADB processing request

Consulting Services								
Package Number	General Description	Estimated Value	Number of Contracts	Recruitment Method	Review (Prior / Post)	Advertisement Date (quarter/year)	Type of Proposal	Comments

B. Indicative List of Packages Required Under the Project

The following table provides an indicative list of goods, works and consulting services contracts over the life of the project, other than those mentioned in previous sections (i.e., those expected beyond the current period).

Goods and Works							
Package Number	General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Review [Prior / Post/Post (Sampling)]	Bidding Procedure	Comments
General							
SHO-TPL-Gen-01	Solar Equipment	0.10m	1	Shopping	Prior	N/A	

Consulting Services							
Package Number	General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Recruitment Method	Review (Prior / Post)	Type of Proposal	Comments

C. List of Awarded and On-going, and Completed Contracts

The following tables list the awarded and on-going contracts and completed contracts.

1. Awarded and On-going Contracts

Goods and Works							
Package Number	General Description	Estimated Value	Awarded Contract Value	Procurement Method	Advertisement Date (quarter/ year)	Date of ADB Approval of Contract Award	Comments
Original Financing							
SHO-TPL-Gen-02	Mini-grid inspection	0.048m	0.048m	SHO	N/A	Ongoing	MEIDECC
Original and Additional Financing III							
Package 2	Mini and off-grid solar system for 6 outer islands (0.57 MWp)	2.83m	3.66m	ICB (Turnkey)	Q3 2015	10Oct17	Gamma Solutions
Additional Financing I&II (\$1.76m savings)							
DC-P3-100-01	LVABC Conductor	0.531m	0.349m	Direct Contracting	Q3 2020	22Jun20	Dominion Wire & Cables Ltd
DC100-02	Power Poles	0.650m	0.643m	Direct Contracting	Q3 2020	22Jun20	Aotearoa Tonga Forest Products Ltd (TOP1,464,959.98)
DC100-03	Boundary Survey	0.032m	0.016m	Direct Contracting	Q3 2020	22Jun20	Graham Surveying (TOP73,000.00)
DC100-05	Pole Foundation Materials	0.040m	0.033m	Direct Contracting	Q3 2020	22Jun20	Albert Guttenbeil Trading (TOP74,836.25)
FA-P3-100-01	Labour	0.367m	0.367m	Direct Contracting	Q3 2020	22Jun20	TPL (TOP836,172.80)
SHO-P3-100-04	Trenching	0.140m	0.134m	Shopping	Q2 2020	3Nov20	Haueseveli Construction and Services (TOP309,000)
Additional Financing III							
SHO-P4-SURVEYS-02	Third Party Boundary Surveys for the HV and LV on NTT (no surveys needed on the existing	0.03m	0.013m	Shopping	Q4 2018	26Mar19	Graham Mailei (TOP28,701.50)

	network on the HOIs)						
DC-P4-EC-01	Third Party "Electrical Commission" from TBU Sign-Off on the House Wiring, etc for all 5 islands	0.03m	0.02m	Direct Contracting	Q4 2018	28Mar19	Electrical Commission (TOP79,132.00)
FC-P4-TPL-01	TPL Force Account	1.41m	1.30m	FA	Q2 2020	10Mar20	TPL-MEIDECC Agreement Jan20 (TOP3,229,500.66)
SHO-P4-WIRE SUPPLY-03	Supply of House Wiring, Switches, Sockets, RCDs etc (including ship from TBU for all 5 islands)	0.35m	0.186m	Shopping	Q4 2018	22Jan20	Jones Industries Ltd (TOP429,759.11)
SHO-P4-WIRE INSTALL-04	Third Party to install the House Wiring, Switches, Lights, Sockets, etc (certified electricians from TBU) for all 5 islands	0.18m	0.127m	Shopping	Q3 2019	22Jan20	Kona Winds (TOP293,160)
SHO-P4-SHIP-03	Shipping General (e.g. equipment from TBU to the 5 outer islands)	0.20m	0.23m	Shopping	Q3 2019	6Aug20	Tofa Ramsay Shipping Co Ltd (TOP526,460)
DC-P4-eProcurement-01	e-Procurement service	\$250		Direct Contracting	Q3 2020		Tenderlink (NZD330)
ICB-P4-EQUIPMT-02	Supply of Equipment: Lot 1 1x double cab ute (secondhand)	0.05m	0.032m	ICB	Q3 2020	13Nov20	Mainline Group Ltd
	Supply of Equipment: Lot 2 1x Knuckle boom mounted crane truck (secondhand)	0.11m	0.11m	ICB	Q3 2020	13Nov20	Waimea Group Ltd
	Supply of Equipment: Lot 3 2x compact mini excavators (secondhand) with 2 trailers (secondhand)	0.10m	0.071m	ICB	Q3 2020	13Nov20	Mainline Group Ltd
	Supply of Equipment: Lot 4 Tractor (secondhand) with 1 trenching machine attachment (secondhand)	0.19m	0.124m	ICB	Q3 2020	13Nov20	Unit Export Ltd
	Supply of Equipment: Lot 5 1x spare full trenching machine attachment (secondhand)	0.06m	0.032m	ICB	Q3 2020	13Nov20	Unit Export Ltd
	Supply of Equipment: Lot 6	0.19m	0.181m	ICB	Q3 2020	13Nov20	Mainline Group Ltd

	1x tractor (secondhand) with 1 rock saw attachment (secondhand)						
	Supply of Equipment: Lot 7 1x telehandler (secondhand)	0.10m	0.092m	ICB	Q3 2020	13Nov20	Mainline Group Ltd
ICB-P4- CONDUCTOR-01	Conductors, transformers, and other electrical material: Lot 2 HV, LV, Service Line Associated Materials	0.500m	0.228m	ICB	Q3 2020	24Mar21	Transnet NZ Ltd (USD227,843)
	Conductors, transformers, and other electrical material: Lot 3 Transformers and Switchgears, Fuses and Terminations	0.800m	0.530m	ICB	Q3 2020	24Mar21	Transnet NZ Ltd (USD530,106)
	Conductors, transformers, and other electrical material: Lot 4 Tools	0.467m	0.116m	ICB	Q3 2020	24Mar21	Transnet NZ Ltd (USD116,334)

Additional Financing IV

DC-P3-100-LVABC ASSOCIATED MATERIALS-07	LVABC Associated Materials	0.26m	0.252m	Direct Contracting	Q4 2020	22Dec20	Transnet (USD251,914.00)
DC-P3-100-HV ASSOCIATED MATERIALS-08	HV Associated Materials	0.106m	0.105m	Direct Contracting	Q4 2020	22Dec20	Transnet (USD105,296.00)
DC-P3-100 SERVICE LINES-06	Service Lines: Lot 1	0.874m	0.874m	Direct Contracting	Q4 2020	23Dec20	Transnet (USD873,919.22)

Consulting Services

Package Number	General Description	Estimated Value	Awarded Contract Value	Recruitment Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Comments
-	Project Management Consultants	0.75m	0.75m	FBS	Q3 2013	10Mar14	International. STRP Ltd Mar14
-	Project Manager	0.350m 0.414m 0.303m	0.281m 0.403m 0.270m	Individual	Q1 2016	24Feb16	Johnny Lillis 8Mar16-31Dec18 1Jan-31Dec19 1Jan20-30Jun21

-	Social Gender Development and Safeguards Monitoring and Evaluation Specialist	0.10m	0.065m 0.0016m	Individual	Q3 2018	8Nov19 17Mar20	Hikaione Loumoli (1Feb20-30Jun21) Variation1-laptop
-	Project Accountant/ Contracts Administrator	0.10m	0.03m 0.0016m	Individual	Q4 2018	14Feb20 17Mar20	Lisipesi Henwood (9Mar20-30Jun21) Variation 1-laptop
-	O&M Consultant	0.20m	0.142m	Individual	Q2 2020	26Feb20	Solomone Latu (1Mar21-28Feb22)

2. Completed Contracts

Goods and Works								
Package Number	General Description	Estimated Value	Contract Value	Procurement Method	Advertisement Date (quarter/ year)	Date of ADB Approval of Contract Award	Date of Completion	Comments
Original								
SHO-ED-SHS-01	Batteries and associated equipment	0.20m	0.20m	Shopping	Q4 2016	12Oct17	18Jul18	Mercury Energy
TPL-OIREP-1 Package 1	Ground-mounted solar PV plants for 2 outer islands (0.75 MWp)	2.55m	2.97m	ICB (Turnkey)	Q2 2015	21Dec15	2Nov17	CBS Power Solutions (Fiji) Ltd
SHO-TPL-Gen-02	Mini-grid inspection (HMAF Vessel-Voea Savea	0.10m	0.025m	Shopping	Prior	12Feb16	14Mar16	His Majesty's Armed Forces Vessel
Additional Financing I – 'Eua								
NCB-TPL-Eua-01	LV Poles/HV Poles/Vava'u HV Poles (incl. shipping)	1.03m	0.718m	NCB (3 lots)	Q4 2015	11Mar16	26Sep16	Transnet NZ Ltd
DC-TPL-Eua-01	LVABC Conductor (incl. shipping)	0.373m	0.310m	Direct Contracting	Q4 2015	15Dec15	10May16	Transnet NZ Ltd
DC-TPL-Eua-02	LVABC associated materials (incl. shipping)	0.445m	0.445m	Direct Contracting	Q4 2015	24Feb16	26Apr16	Transnet NZ Ltd
DC-TPL-Eua-03	Transformer Boxes & Structures (incl. shipping)	0.194m	0.193m	Direct Contracting	Q4 2015	1Feb16	26Apr16	Transnet NZ Ltd
SHO-TPL-Eua-01	Boundary & Comms Cable Surveys	0.083m	0.015m	Shopping	Q4 2015	14Apr16	6Feb17	Landcare Solutions Ltd
DC-TPL-Eua-04	Pole Foundation Materials	0.032m	0.030m	Direct Contracting	Q4 2015	24Jun16	1Dec17	Petani Quarry
SHO-TPL-Eua/Vav-02	Machinery Hire for Poles (incl. shipping)	0.079m	0.095m	Shopping	Q1 2016	13May16	10Feb17	Heaton Motors Ltd
SHO-TPL-Eua-03	PPE and Tools	0.043m	0.070m	Shopping	Q1 2016	30Jun16	22Sep16	Transnet NZ Ltd
SHO-TPL-Eua-04	Shipping (general)	0.039m	0.025m	Shopping	Q1 2016	18Apr16	15Mar17	MV 'Onemato
DC-TPL-Eua-05	HV Crossarm Assemblies (incl. shipping)	0.057m	0.054m	Direct Contracting	Q1 2016	1Feb16	26Apr16	Transnet NZ Ltd

DC-TPL-Eua-06	Step-Up Transformer at Power Station (incl. shipping)	0.07m	0.046m	Direct Contracting	Q1 2016	18Jan16	28Apr16	Transnet NZ Ltd
FA-TPL-Eua-01	Force Account	0.31m	0.310m	Force Account	-	14Mar16	23Jan18	TPL
SHO-TPL-Eua-05	Fly Conductor (incl. shipping)	0.20m	0.040m	Shopping	Q4 2016	18Nov16	20Mar17	Dominion Wire & Cables Ltd
Additional Financing I – Vava'u								
DC-TPL-Vav-01	HVABC Conductor (incl. shipping)	0.538m	0.276m	Direct Contracting	N/A	15Dec15	28Apr16	Transnet NZ Ltd
DC-TPL-Vav-02	Transformer Boxes & Structures (incl. shipping)	0.795m	0.794m	Direct Contracting	N/A	24Feb16	26Apr16	Transnet NZ Ltd
SHO-TPL-Vav-01	Boundary & Comms Cable Surveys	0.021m	0.018m	Shopping	N/A	3May17	02Dec17	Landcare Solutions Ltd
SHO-TPL-Vav-03	Shipping (general)	0.031m	0.050m	Shopping	N/A	18Apr16	17Oct17	Friendly Islands Shipping Agency Ltd
DC-TPL-Vav-04	HV Crossarm Assemblies (incl. shipping)	0.081m	0.080m	Direct Contracting	N/A	18Apr16	08Jun16	Transnet NZ Ltd
DC-TPL-Vav-05	Step-Up Transformer at Power Station (incl. shipping)	0.07m	0.087m	Direct Contracting	N/A	18Jan16	28Apr16	Transnet NZ Ltd
FA-TPL-Vav-01	Force Account	0.31m	0.310m	Force Account	N/A	3Mar16	21Dec18	TPL
DC-TPL-Vav-01	HV/ABC Package 2 (incl. shipping)	0.057m	0.057m	Direct Contracting	N/A		28Apr16	Transnet NZ Ltd
DC-TPL-Vav-08	LV ABC related materials	0.070m	0.070m	Direct Contracting	N/A		18Sep19	Transnet NZ Ltd
DC-TPL-Vav-07	LV ABC Wire (incl. shipping)	0.065m	0.065m	Direct Contracting	N/A		23Sep19	Dominion Wire & Cables Ltd
DC-TPL-Vav-05	Services Materials (incl. shipping)	0.240m	0.240m	Direct Contracting	N/A		28Apr19	Transnet NZ
Additional Financing II – 'Eua								
DC-TPL-Eua-07	Service Lines (incl. shipping)	0.42m	0.452m	Direct Contracting	N/A	7Apr17	05Sep17	Transnet NZ Ltd
SHO-TPL-Eua-05	Trenching works for underground service lines	0.07m	0.072m	Shopping	N/A	11Aug17	20Dec19	Pulu Loto'atea
Additional Financing II – Vava'u								
NCB-TPL-Vav-01	HV and LV Poles (incl. shipping)	0.80m	0.689m	NCB	Q2 2017	28Jun17	26Mar19	Aotearoa Tonga Forest Products Ltd
ICB-TPL-Vav-06	Lot 1: Service Materials,	0.380m	0.380m	ICB	Q2 2017	1Jun17	08Nov19	Supreme & Co Pvt Ltd
	Lot 2: LV ABC Conductor	0.309m	0.309m	ICB	Q2 2017	1Jun17	13Nov17	Dominion Wire & Cables
	Lot 5: HV Conductor	0.172m	0.172m	ICB	Q2 2017	1Jun17	29Nov17	Nan Electrical Cable Aust
	Lot 3: LVABC associated Materials, Lot 4: PPE and Tools,	0.512m	0.512m	ICB	Q2 2017	1Jun17	05Mar19	ARPI Ltd

	Lot 6: HV Crossarm assemblies (incl. shipping)							
SHO-TPL-Vav-04	Boundary & Comms Cable Surveys	0.05m	0.023m	Shopping	N/A	27Sep17	24Dec18	Graham Ma'ilei
SHO-TPL-Vav-05	Pole Foundation Materials (incl. shipping)	0.05m	0.036m	Shopping	N/A	23Oct17	14Nov19	Albert Guttenbeil Trading
SHO-TPL-Vav-06	Machinery Hire for Poles (incl. shipping)	0.07m	0.087m	Shopping	N/A	6Dec17	01Jun18	Mainline Group Ltd
SHO-TPL-Vav-07	Trenching works for underground service lines	0.13m	0.125m	Shopping	N/A	18Jul18	06Dec19	Water Ski Ma'afu
FA-TPL-Vav-02	Force Account	0.44m	0.440m	Force Account	N/A	10Oct17	Ongoing	TPL

Consulting Services								
Package Number	General Description	Estimated Value	Contract Value	Procurement Method	Advertisement Date (quarter/year)	Date of ADB Approval of Contract Award	Date of Completion	Comments
-	Social Gender Development and Safeguards Monitoring and Evaluation Specialist	0.10m	0.065m	Individual	Q3 2018	Dec17	19Aug19	Esetelellita Fulivai (Dec17-Jul19)
-	Project Accountant/ Contracts Administrator	0.10m	0.03m	Individual	Q4 2018	21Dec18	15Nov19	Feleti Fa'otusia (Jan-Nov19)

D. Non-ADB Financing

The following table lists goods, works and consulting services contracts over the life of the project, financed by Non-ADB sources.

Goods and Works				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Procurement Method	Comments

Consulting Services				
General Description	Estimated Value (cumulative)	Estimated Number of Contracts	Recruitment Method	Comments

G0347/G0348/G0444/G0445/G0446/G0528/L3509/G0586/G0587/G0588/G0768-TON:
Outer Island Renewable Energy Project
Progress of Ongoing Works/Supply Contracts
As of March 2021

	Package	Contractor Contract amount	Update
			<p><i>Phase 2 Mini-Grid Generation – Solar Photovoltaic Generators Are To Be Installed And Connected To Existing Community-Owned And Community-Managed Electrical Mini-Grids On 4 Ha'apai Outer Islands (100 Kwp Of Solar And 210 Kwh Of Batteries On 'Uiha, 100 Kwp Of Solar And 210 Kwh Of Batteries On Nomuka, 100 Kwp Of Solar And 210 Kwh Of Batteries On Ha'ano, 60 Kwp Of Solar And 110 Kwh Of Batteries On Ha'afeva) And On Niuatoputapu (150 Kwp Of Solar And 295 Kwh Of Batteries)</i></p>
1	-	Gamma Solutions US\$3.65m	<p>By December 2020, the contractor had completed 80% of the contract which includes all concrete foundations, solar structure installations, solar module installations, electrical cable installations, and most of the power station renovations on all 5 sites.</p> <p>By March 2021, the contractor has completed and been paid for 83.63% of the contract.</p> <p>MEIDECC conducted site visits in Ha'apai in February 2021 and in Niuatoputapu in March 2021. Various defects were found, so MEIDECC are liaising with the contractor, to fix those defects.</p> <p>The contractor aims to achieve Practical Completion on each of the 5 Islands, over the coming months.</p>
			<p>Under the contract, MEIDECC is to issue a letter of credit (LC), made available to Gamma to a bank in Spain, for Schedule 1 (supply of plant and mandatory spare parts from abroad) payments, totaling US\$2,008,620.10.</p> <p>Gamma have already been paid US\$1,786,955.99 million under Schedule 1 and MEIDECC have signed the 3rd variation to Gamma's contract, to reduce the LC amount to the balance of US\$221,664.11 (US\$110,832.06 to be paid upon issuance of the completion certificate and US\$110,832.05 upon issuance of the operational acceptance certificate).</p> <p>Once Gamma signs the 3rd variation, the PMU/MEIDECC will arrange with ANZ Bank for a revised draft of the LC, and a confirmation of the bank fee, which will be shared with MEIDECC/MOF/ADB, for their review and approval.</p> <p>After the LC is signed, MEIDECC/MOF is to submit a withdrawal application to ADB in the amount of the LC.</p> <p>Only after ADB has processed the withdrawal application, will the LC become operative.</p>
			<p>Gamma need 2 of their specialist staff to travel to Tonga, to complete the final works, including the commissioning and hand-over of the assets to MEIDECC.</p> <p>MEIDECC provided a confirmation letter to Gamma on 25 March 2021, which will enable Gamma to arrange for their NZ quarantine and book their flights to Tonga.</p>

G0347/G0348/G0444/G0445/G0446/G0528/L3509/G0586/G0587/G0588/G0768-TON:
Outer Island Renewable Energy Project
Progress of Ongoing Works/Supply Contracts
As of March 2021

	Package	Contractor Contract amount	Update
PHASE 3 ON-GRID DISTRIBUTION – REHABILITATION OF 100% OF THE EXISTING GRID NETWORK ON VAVA'U.			
1	DC-P3-100-Boundary Survey-03	Graham Surveying US\$0.016m	Work will commence with TPL.
2	SHO-P3-100-Trenching-04	Haueseveli Construction and Services US\$0.137m	Work will commence with TPL.
3	DC-P3-100-Pole Foundation Materials-05	Albert Guttenbeil Trading US\$0.033m	75% of the materials have been delivered and the cement will be delivered just before TPL commence work.
4	DC-P3-100-Service Lines-06	Transnet US\$0.105m	The first batch of materials arrived in March 2021 and the rest will arrive, over the next 3 months.
5	DC-P3-100-LV/ABC Associated Materials-07	Transnet US\$0.252m	
6	DC-P3-100-HV Associated Materials-08	Transnet US\$0.918m	
7	FA-P3-100-Labour-01	Tonga Power Limited US\$0.367m	Work will commence once all supplies have been delivered. This is envisaged of mid-2021.

G0347/G0348/G0444/G0445/G0446/G0528/L3509/G0586/G0587/G0588/G0768-TON:
Outer Island Renewable Energy Project
Progress of Ongoing Works/Supply Contracts
As of March 2021

	Package	Contractor/Supplier Contract amount	Update
Phase 4 Mini-grid distribution – upgrade of the existing service lines on 4 Ha'apai outer islands and the construction of a new mini-grid on Niuaotuputapu			
1	SHO-P4-Meters-01: Supply of dual tariff 1-phase and dual 3-phase prepaid meters including accessories	Engineer's cost estimate \$0.23m	MEIDECC are awaiting the proposed design of meters and once finalised, an RFQ will be prepared and submitted to ADB to clear. Once cleared by ADB, the RFQ will be issued to prospective suppliers and when bids close, the BEC will prepare a BER and submit it to ADB for no objection.
2	SHO-P4-Surveys-02: 3 rd party boundary surveys for the HV and LV on Niuaotuputapu	Graham Surveying US\$0.013m	Contractor will mobilize 3 months before TPL commences work and will complete the works in 3 months.
3	SHO-P4-Shipping-03: Shipping General (equipment from Tongatapu to the 5 outer islands)	Tofa Ramsay Shipping Company Ltd US\$0.233m	Service will commence once the secondhand equipment arrive in Nuku'alofa.
4	SHO-P4-Wire Supply-03: Supply of house wiring, lights, switches, sockets, RCDs	Jones Industries Ltd US\$0.226m	Materials have been supplied to 3 islands and will be delivered to the remaining islands by July 2021.
5	SHO-P4-Wire Install-04: 3 rd party to install the house wiring, switches, lights, sockets	Kona Winds US\$0.129m	Work on Nomuka and Ha'afeva have been completed and the crew are currently working in 'Uiha. Work on the remaining islands will be completed by July 2021.
6	SHO-P4-Sand-06	Engineer's cost estimate \$0.155m	After bids closed, MLNR gave their approval to extract sand but from 2 specific beaches on Niuaotuputapu and no machines are to be used. Revised bid prices are being sought from the 5 responsive bidders, which will be due 9 April 2021. The BEC will prepare a BER for submission to ADB for no objection.
7	DC-P4-EC-01: 3 rd party Electrical Commission from Tongatapu to sign-off on house wiring for all 5 islands	Electrical Commission US\$0.035m	Once the electricians start the domestic hardware installation, the EC will conduct 2 site visits to each island, one visit to inspect the works in the beginning and another to inspect and approve the works at the end. This work will be completed in July 2021.
8	FC-P4-TPL-01: Force Account	Tonga Power Ltd US\$1.41m	Work will commence once all supplies have been delivered.

G0347/G0348/G0444/G0445/G0446/G0528/L3509/G0586/G0587/G0588/G0768-TON:
Outer Island Renewable Energy Project
Progress of Ongoing Works/Supply Contracts
As of March 2021

	Package	Contractor/Supplier Contract amount	Update
Phase 4 Mini-grid distribution – upgrade of existing service lines on 4 Ha’apai outer islands and the construction of a new mini-grid on Niuaotupapu (cont’d)			
9	ICB-P4-Conductor-01: Conductors, transformers, and other electrical materials – Lot 1 HV UG Conductor, LV UG Conductor, Service Line UG Conductor	Engineer’s cost estimate US\$1.00m	The 5 responsive bidders did not agree to an extension to their bid validity period, so all were requested to provide revised bids, by 31 March 2021, after which the BEC will prepare the BER and submit it to ADB for no objection. Contracts were signed on 25 March 2021 and supplier will arrange for materials to be shipped to Tonga.
	Lot 2 HV, LV, Service Line Associated Materials	Transnet NZ Ltd US\$0.228m	
	Lot 3 Transformers and Switchgears, Fuses and Terminations	Transnet NZ Ltd US\$0.530m	
	Lot 4 Tools	Transnet NZ Ltd US\$0.116m	
10	ICB-P4-Equipment-02: Supply of secondhand vehicles – Lot 1 1x double cab ute	Mainline Group Ltd US\$0.034m	The equipment will start arriving from May 2021.
	Lot 2 1x Knuckle boom mounted crane truck	Waimea Group Ltd US\$0.113m	
	Lot 3 2x compact mini excavators with 2 trailers	Mainline Group Ltd US\$0.076m	
	Lot 4 Tractor with 1 trenching machine attachment	Unit Export Ltd US\$0.124m	
	Lot 5 1x spare full trenching machine attachment	Unit Export Ltd US\$0.032m	
	Lot 6 1x tractor with 1 rock saw attachment	Mainline Group Ltd US\$0.195m	
	Lot 7 1x telehandler	Mainline Group Ltd US\$0.099m	

Gender Action Plan (GAP) Monitoring Report
Project Title: Outer Island Renewable Energy Project & Additional Financing
Country: Tonga
Approval Numbers: Grant Nos. 0347/0348/0444/0445/0446/0528/0586/0587/0588-TON and Loan No. 3509-TON
Gender Mainstreaming Category: Effective gender mainstreaming
Date of Update: March 2021

Gender Action Plan (GAP Activities, Indicators and Targets, Timeframe, Responsibility)	Evidence/source of data	Progress to date (as of March 2021)	Issues and Challenges
OUTPUT 1: CONSTRUCTION AND INSTALLATION OF 1.32 MWP SOLAR CAPACITY IN 9 OUTER ISLANDS OF TONGA			
Target 1: During design and implementation, all community consultations will have a target of at least 50% female participation.	i. Quarterly Progress Reports; ii. Site Visit Reports. iii. Field Report iv. Safeguard Field Report – NTT & Vava'u 5-8 March 2021	ON TRACK	No issues and challenges.
		Phase 1	
		Design – ‘Eua – May 2016 <ul style="list-style-type: none">- Total Number of Participants: 50- 50% women (25) and 50% men (25)	
		Phase 2	
		Design – Ha’apai <ul style="list-style-type: none">- Consultation completed- Total Number of participants :70- 70% women (49) and 30% men (21) participated- Topics Covered:<ul style="list-style-type: none">o Outreach program on Energy Efficiencyo Strengthened technical capabilities of ECOS and EMC	
		Design – Niuatoputapu <ul style="list-style-type: none">- Consultation completed- Total Number of participants: 27- 56% women (15) and 44% men (12).- Topics Covered:<ul style="list-style-type: none">o Outreach program on Energy Efficiencyo Strengthened technical capabilities of ECOS and EMC	
		Implementation – Vava’u <ul style="list-style-type: none">- Total Number of participants :20- 50% women (10) and 50% men (10)	
		Implementation – Ha’apai <ul style="list-style-type: none">- Consultation completed- Total Number of participants :136- 48 % women (65) and 52% men (71) participated- Topics Covered:<ul style="list-style-type: none">o Safeguard & Business Skills Training for solar related opportunities & Strengthening the business skills capacity	
		Implementation – Niuatoputapu <ul style="list-style-type: none">- Total Number of Participants : 95	

		<ul style="list-style-type: none"> - 49 % women (47) and 51% men (48) participated <ul style="list-style-type: none"> o Safeguard & Business Skills Training for solar related opportunities & Strengthening the business skills capacity <p>Phase 3 Implementation- Vava'u</p> <ul style="list-style-type: none"> - Consultation Completed - Total number of participants: 20 - 50 % (10 women) and 50% (10 men) <p>Phase 4: On Track Design – Niuatoputapu</p> <ul style="list-style-type: none"> - Consultation Completed <p>Implementation – Niuatoputapu</p> <ul style="list-style-type: none"> - Total Number of Participants : 95 - 49 % women (47) and 51 % men (48) participated <ul style="list-style-type: none"> o Safeguard & Business Skills Training for solar related opportunities & Strengthening the business skills capacity - Total Number of Participants : 40 <ul style="list-style-type: none"> o 52.5 % women (21) and 47.5 % men (19) participated o NTT Electricity Cooperative Society Meeting 	No issues and challenges.
<p>Target 2 Women make up 30% of workforce for construction and O&M of the new mini-grid on Niuatoputapu and upgrade of existing service lines on Ha'apai.</p>		<p>ON TRACK</p> <p>Number of workers hired for construction of the new mini-grid on Niuatoputapu : 5</p> <p>Number of workers hired for construction of the existing service lines on Ha'apai: 8</p> <p>Number of women workers hired for construction of the new mini-grid on Niuatoputapu: 0</p> <p>Number of women hired for the upgrade of existing service lines on Ha'apai: 2</p> <p>Number of workers hired for operations & maintenance (O&M) of the new mini-grid on Niuatoputapu: 0</p> <p>Number of workers hired for upgrade of existing service lines on Ha'apai: 8</p> <p>Number of women workers hired for operations & maintenance (O&M) of the new mini-grid on Niuatoputapu: 2</p> <p>Number of women workers hired for upgrade of existing service lines on Ha'apai: 2</p>	

<p>Target 3 Requirement for hiring of women (10% target) will be included in the local construction contracts for solar power installations.</p>	<p>i. Quarterly Progress Report - Update GAP Table and Appendices.</p>	<p>ACHIEVED Phase 1 Installation of Solar Plants in 'Eua and Lifuka - Lack of Gender Specialist at this phase meant that this was not included in the Contractor's Contract Phase 2: Local Sub-contractor recruited the following local construction workers: *Ha'apai Sites: Total number of workers: 28 50% females (14) and 50% males (14) *Niutoputapu: Total number of workers: 9 22% females (2) and 78% males (7). Phase 3: Tonga Power Limited (TPL) recruited Total number of workers recruited: 8 63% females (5) and 38 % males (3) for OIREP's line workers. O&M staff: Total number of O&M workers: 81 Number of women O&M workers in project: 37 Number of men O&M workers in project: 44 'Eua 4 women, 3 men; Ha'apai Lifuka 5 women and 9 men; Ha'apai Outer Islands: Nomuka 7 women, 8 men; Ha'ano 7 women, 8 men; Ha'afeva 7 women, 8 men; and 'Uiha 7 women and 8 men. Phase 4: Still in preparation stage. Targets will incorporate to Tonga Power Limited's contract.</p>	<p>No issues and challenges.</p>
<p>Target 4: Contractors, whenever culturally appropriate, will be encouraged to provide work for unskilled and semi-skilled labor for local people (30% women).</p>	<p>i. Quarterly Progress Report (Quarter 1, 2020) - Update GAP Table and Appendices.</p>	<p>ACHIEVED Phase 2: Contractors recruited 50% (1) female and 50% (1) male to base in Tonga. <u>Note:</u> This target refers to International contractors. Hence it is not applicable to Phase 3 and 4.</p>	<p>No issues and challenges.</p>
<p>Target 5 : Provide services lines and meter to at least 20% female-headed households.</p>	<p>i. QPRs ii. Census 2011</p>	<p>ON TRACK Phase 2: Installation has not started yet. Phase 3: 100% of FHH are providing service lines and meter Phase 4: Installation has not started yet. i. Baseline of Total Households (Census 2011): 1,883 'Eua – 862; Neiafu, Vava'u – 1,021 ii. Baseline to total FHH:434 'Eua – 160; Neiafu, Vava'u - 52; Ha'apai (Lifuka)-104; Nomuka-11; Ha'afeva- 5; Ha'ano- 10; 'Uiha- 26 Next Step: Monitor the numbers after TPL complete with rehabilitation</p>	<p>Challenge: There is no record in the Population Census nor with Tonga Power Limited that clearly indicate the numbers of Female Headed Household. Recommendation: Collaborate with</p>

			Town Officers and collect new records of the Female Headed Households for Neiafu, Vava'u; Ha'apai Outer Islands and the two Niuas.
Target 6: NEW GAP TARGET (from DMF) At least 65 households headed by women in Ha'apai outer islands (50 households) and Niuas (15 households) will benefit from the project. (Baseline: all 350 existing households)	i. Census 2011 ii. List is provided in QPR Q1, 2019 (Source: Count from Town Officers – Dec 2018)	<p>ON TRACK</p> <p>Phase 2: Installation has not started yet.</p> <p>Phase 3: Not applicable as site is in Vava'u.</p> <p>Phase 4: Installation has not started yet.</p> <p>i. Baseline of Total Households benefitting from project in Ha'apai and Niuas is 1,062 (Ha'apai – 780; Niuas – 282).</p> <p>ii. Total FHH: Ha'apai – 156 Niuas – 51</p> <p>Next Step: Close monitor for NTT as it is a remote island.</p> <p>ACHIEVED</p> <p>All project phases have included women-friendly facilities.</p>	<p>Challenge: Baseline in DMF is not what is shown in 2011 nor 2016 Census.</p> <p>Recommendation: Since Baseline shown in the DMF is not known, Census 2011 used.</p> <p>No issues and challenges.</p>
Activity 1: Ensure the existing toilet and sanitation facilities are women-friendly by providing reliable water supply, proper lock, and lighting Activity 2: Ensure equal pay for equal work between male and female workers.	QPR Q1, 2019	<p>ACHIEVED</p> <p>Phase 2: Achieved Phase 3: Achieved Phase 4: Installation has not started yet.</p>	No issues and challenges.
Target 7: Provide business skills training on income opportunities from increased electricity supply with 50% women participation	Safeguard Field Report – June 2020	<p>ACHIEVED</p> <p>Ha'apai and Vava'u had completed on Q2 and Q3 2020.</p> <p>Ha'apai</p> <ul style="list-style-type: none"> - Total Number of participants :136 - 48 % women (65) and 52% men (71) participated <p>Niuaotoputapu</p> <ul style="list-style-type: none"> - Total Number of Participants : 95 - 49 % women (47) and 51% men (48) participated <p>Vava'u</p> <ul style="list-style-type: none"> - Total number of participants: 20 - 50 % (10 women) and 50% (10 men) 	No issues and challenges.
OUTPUT 2: OPERATION AND MAINTENANCE (O&M) PROGRAM			
Target 8: Conduct at least three yearly training on project planning and asset management maintenance (one for each of 3 project regions) for	QPRs	<p>ON TRACK</p> <p>2018 – Completed Training - Tongatapu</p> <ul style="list-style-type: none"> - Total number of participants: 6 	No issues and challenges.

MEIDECC, TPL staff and the community electric societies with a minimum of 50% female participants. Target 9: Conduct at least three yearly workshops with a minimum of 50% female participants for MEIDECC and TPL staff on procurement, anticorruption and safeguards.	QPRs	<ul style="list-style-type: none"> - 50% Men (3) and 50% Women (3) - Training on Project Planning, Asset Management maintenance for MEIDECC and TPL <p>ON TRACK</p> <p>2018 – Completed!</p> <ul style="list-style-type: none"> - 2 trainings on procurement, anticorruption and safeguards were completed for MEIDECC and TPL staffs in Tongatapu and Vava'u for 2018 - Total Number of Participants: 22 - 50% Women (11) and 50% Men participated <p>ACHIEVED</p> <p>'Eua, Vava'u, Niuatoputapu and Ha'apai have not received training prior to project implementation</p> <p>Trainings are completed</p> <p>1. Ha'apai – 2018</p> <ul style="list-style-type: none"> ▪ Nomuka- Total Participants: 21 <ul style="list-style-type: none"> ○ 67 % Women (14) and 33 % Men (7) Participated ▪ 'Uiha – Total Participants : 14 <ul style="list-style-type: none"> ○ 36 % Women (5) and 64 % Men (9) Participated ▪ Ha'afeva – Total Participants: 25 <ul style="list-style-type: none"> ○ 72 % Women (18) and 28 % Men (7) Participated ▪ Ha'ano – Total Participants: 16 <ul style="list-style-type: none"> ○ 69 % Women (11) and 31% Men (5) Participated 	No issues and challenges.
Target 10: Conduct at least 1 consumers' training on power budget management with a minimum of 50% female participation for each nine outer islands prior to project implementation.	QPRs	<p>ACHIEVED</p> <p>2018 – Completed!</p> <p>Ha'apai – 2018</p> <ul style="list-style-type: none"> ▪ Nomuka- Total Participants: 21 <ul style="list-style-type: none"> ○ 67 % Women (14) and 33 % Men (7) Participated ▪ 'Uiha – Total Participants: 14 <ul style="list-style-type: none"> ○ 36 % Women (5) and 64 % Men (9) Participated ▪ Ha'afeva – Total Participants: 25 <ul style="list-style-type: none"> ○ 72 % Women (18) and 28 % Men (7) Participated ▪ Ha'ano – Total Participants: 16 <ul style="list-style-type: none"> ○ 69 % Women (11) and 31% Men (5) Participated <p>2020 – Completed</p> <p>1. Ha'apai – 2020</p> <ul style="list-style-type: none"> ▪ Nomuka- Total Participants: 22 <ul style="list-style-type: none"> ○ 50 % Women (11) and 50 % Men (11) Participated ▪ 'Uiha – Total Participants: 32 <ul style="list-style-type: none"> ○ 43 % Women (14) and 57 % Men (18) Participated ▪ Felemea – Total Participants: 18 	No issues and challenges.
Target 11: Conduct at least 9 workshops with a minimum of 50% female participation on demand side management for community electric societies' customers.	QPRs Safeguard Field Report May 2020	<p>ACHIEVED</p> <p>2018 – Completed!</p> <p>Ha'apai – 2018</p> <ul style="list-style-type: none"> ▪ Nomuka- Total Participants: 21 <ul style="list-style-type: none"> ○ 67 % Women (14) and 33 % Men (7) Participated ▪ 'Uiha – Total Participants: 14 <ul style="list-style-type: none"> ○ 36 % Women (5) and 64 % Men (9) Participated ▪ Ha'afeva – Total Participants: 25 <ul style="list-style-type: none"> ○ 72 % Women (18) and 28 % Men (7) Participated ▪ Ha'ano – Total Participants: 16 <ul style="list-style-type: none"> ○ 69 % Women (11) and 31% Men (5) Participated <p>2020 – Completed</p> <p>1. Ha'apai – 2020</p> <ul style="list-style-type: none"> ▪ Nomuka- Total Participants: 22 <ul style="list-style-type: none"> ○ 50 % Women (11) and 50 % Men (11) Participated ▪ 'Uiha – Total Participants: 32 <ul style="list-style-type: none"> ○ 43 % Women (14) and 57 % Men (18) Participated ▪ Felemea – Total Participants: 18 	No issues and challenges.

<p>Target 12: Enhance community electric societies' management capacities through facilitation of inclusion of women in EMCs (50% female).</p>	<p>i. Institutional Setup/Site Visit Report ii. Safeguard Field Report – NTT & Vava'u 5-8 March 2021</p>	<ul style="list-style-type: none"> o 66 % Female (10) and 44 % Men (8) participated ▪ Ha'afeva – Total Participants: 15 <ul style="list-style-type: none"> o 40 % Women (6) and 60 % Men (9) Participated ▪ Ha'ano – Total Participants: 48 <ul style="list-style-type: none"> o 50 % Women (24) and 50% Men (24) Participated <p>2. Vava'u - Total Participants: 20</p> <p>a. 40 % Women (8) and 60% Men (12) Participated</p> <p>3. Niutoputapu</p> <p>a. Hihifo Village</p> <p>i. Total Participants: 40</p> <p>ii. 58 % Women (23) and 42% Men (17) participated</p> <p>b. Vaipoa Village</p> <p>i. Total Participants: 27</p> <p>ii. 37 % Women (10) and 63 % Men (17) participated</p> <p>c. Falehau Village</p> <p>i. Total Participants: 28</p> <p>ii. 50% Women (14) and 50% Men (14) participated</p>	<p>No issues and challenges.</p>
<p>Target 13: Conduct at least 1 business skills training related to solar power-related business opportunities with 50% women participation in each of nine project sites.</p>	<p>QPRs</p>	<p>ON TRACK</p> <p>MEIDECC along with TPL and PMU completed phase 1 on a site visit mission.</p> <p>Niutoputapu Electricity Management Committee</p> <ul style="list-style-type: none"> • Total Members: 6 <ul style="list-style-type: none"> o 50% Women (3) and 50% Men (3) <p>A follow-up trip, scheduled for Q2 2021, will be conducted to finalize the arrangement by MEIDECC and PMU.</p>	<p>No issues and challenges.</p>
<p>Output 3: EFFICIENT AND EFFECTIVE PROJECT MANAGEMENT</p>	<p>QPRs</p>	<p>ACHIEVED</p> <p>Ha'apai and Vava'u and Niutoputapu had completed on Q2 and Q3 2020.</p> <p>Ha'apai (Nomuka, Ha'afeva, Uiha and Ha'ano)</p> <ul style="list-style-type: none"> - Total Number of participants :136 - 48 % women (65) and 52% men (71) participated <p>Niutoputapu</p> <ul style="list-style-type: none"> - Total Number of Participants: 95 - 49 % women (47) and 51% men (48) participated <p>Vava'u</p> <ul style="list-style-type: none"> - Total number of participants: 20 - 50 % (10 women) and 50% (10 men) 	<p>No issues and challenges.</p>
<p>Activity 3: Include a gender and safeguards specialist in the project team who will manage implementation of</p>	<p>QPRs</p>	<p>ACHIEVED</p> <p>Activity Completed: Gender Specialist recruited to the PMU in February 2020</p>	<p>No issues and challenges.</p>

gender action plans, organize awareness activities				
Activity 4: Provide gender awareness training to all PMC/project staff.	QPRs		ACHIEVED Completed in April 2018 Since its only one personnel in the PMU, other relevant counterparts where invited i.e. staff of the Energy Department, Ministry of Internal Affairs, PACREEE Center, 8 (53%) women and 7 (47%) men were participated	No issues and challenges.
Activity 5: Establish all project performance indicators disaggregated by gender, collect them regularly, and include them in the baseline, progress, monitoring, and evaluation reports.	QPRs		ACHIEVED This information is reported in every QPR, Annual Report and the Semi-Annual Safeguards report. From 2015 – project end	
Activity 6: Develop a project performance system that includes indicators measuring	QPRs		ACHIEVED Reporting done on quarterly basis. Some DMF indicators do not require gender disaggregation.	
Activity 7: Enhance capacity by MEIDECC and TPL management to include gender perspective into its operations through yearly gender awareness training and institutional development assistance e.g. annual/monthly planning and reporting for all management personnel and interested staff.	QPRs		ON TRACK <ul style="list-style-type: none"> MEIDECC management personnel participated in Women's Affairs Training on reporting and planning in April 2018. Training involved 4 sessions Gender Specialist supporting MEIDECC and TPL on gender targets – on – the job capacity building ADB gender and safeguard trainings with PMU, EAs and IAs held September 2018 TPL will run their own gender awareness training Work with TPL to produce a case study on TPL's work to increase women staff. Disseminate this with Tonga and Overseas. Include in TPL annual Report Feedback about work Environment During the M&E site visit in June 2018, the consulted linewomen in Vava'u gave a positive feedback that the working environment is gender-friendly. The harassment policy is enforced. The HR section is recruiting more females than any other history of recruitment of the company.	No issues and challenges.
Target 14: Include at least one female member to the project team in-charge of community consultation, information, and training activities.	QPRs		ON TRACK The new Gender Specialist for the Project recruited in February 2020 is in-charge with community consultations, information and training activities.	
Activity 8: Conduct project briefing of traditional women and men leaders (9 outer islands) on the project including gender targets and their rationale.	QPRs		ACHIEVED Completed in May 2016 – (STR Report)	

NEW GAP INDICATOR: Activity 9: Raise awareness of women in non-traditional jobs by producing 10 videos of women working in OIREP and launching across OIREP + Tongatapu islands (including schools)	QPRs	ACHIEVED 10 videos produced – in Q4 2018 – Q3 2019 Launch across OIREP Islands – Q3 2019 5 Schools in Tongatapu – Q4 2019 5 Schools in Vava'u – Q3 2019 4 Schools in Ha'apai – Q3 2019	
OUTPUT 4: IMPROVEMENT OF ENERGY EFFICIENCY BY UPGRADING THE EXISTING DISTRIBUTION NETWORK*			
Target 15: During design and implementation, all community consultations will have a target of at least 50% female participation.	QPRs	ACHIEVED During implementation, random interview of 20 people surrounding the rehabilitation sites - 50% females (10) and 50% males (10).	No issues and challenges.
Target 16: Contractors, whenever culturally appropriate, will be encouraged to provide work for unskilled and semi-skilled labor for local people (30% women).	QPRs	ACHIEVED Not applicable as this Target refers to International Contractors.	No issues and challenges.
Target 17: Requirement for hiring of women (10% target) will be included in the local construction contracts for network rehabilitation.	QPRs	ACHIEVED TPL recruited 63% females (5) and 38% males (3) for OIREP.	No issues and challenges.
Activity 10: Ensure the existing toilet and sanitation facilities are women-friendly by providing reliable water supply, proper lock, and lighting.	QPRs	ACHIEVED Due to the mobility nature of work for the rehabilitation of service lines and poles, linewomen are using LDS Chapel's bathrooms and if sites are near to the Main Power Station, they are using the Main Power Station's bathroom.	No issues and challenges.
Activity 11: Ensure equal pay for equal work between male and female workers.	QPRs	ACHIEVED Phase 3: Rehabilitation of service lines and poles in 'Eua and Vava'u ▪ Equal Pay rates for equal work between male and female workers is observed with TPL OIREP in Vava'u Scope. Phase 4: Rehabilitation of electric service lines and poles in Ha'apai and Niuatoputapu ▪ Equal pay rates will reflect in contractor's contract before signing. It is set to start Q4 2020.	No issues and challenges.

	Total	Achieved	Partially achieved	On track	Requires further focus	OVERALL ACHIEVED & ON TRACK
Targets	+++ +++ +++ II	+++ IIII		+++ III		+++ +++ +++ II
Activities	+++ +++ I	+++ +++		I		+++ +++ I
	28	19		9		28

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	Others		
1	Grant 0347 Article 4 Para. 1	In the carrying out of the Project and operation of the Project facilities, the Recipient shall perform, or cause to be performed, all obligations set forth in Schedule 4 of this <i>Grant Agreement</i> and the <i>Project Agreement</i> .	Being complied
2	Grant 0347 Article 4 Para. 2	The Recipient shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.	Being complied
3	Grant 0586 (additional to Grant 0347/0348 Sch 4 Para. 1	Implementation Arrangements The Recipient, MFNP, MEIDECC and TPL shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after approval of such change by the Recipient and ADB. In the event of any discrepancy between the PAM and the Grant Agreement, the provisions of the Grant Agreement shall prevail.	Being complied
4	Grant 0586 (additional to Grant 0347/0348) Sch 4 Para. 10 and 11	Labor Standards, Health and Safety The Recipient, through MFNP, MEIECC and TPL, shall ensure that the core labor standards and the applicable laws and regulations of the Recipient are complied with during Project implementation. The Recipient shall include specific provisions in the bidding documents and contracts financed by ADB under the Project requiring that the contractors, among other things: (a) comply with the applicable labor law and regulations of the Recipient and incorporate applicable workplace occupational safety norms; (b) do not use child labor; (c) do not discriminate workers in respect of employment and occupation; (d) do not use forced labor; (e) allow freedom of association and effectively recognize the right to collective bargaining; and (f) disseminate, or engage appropriate service providers to disseminate information on the risks of sexually transmitted diseases, including HIV/AIDS, to the employees of contractors engaged under the Project and to members of the local communities surrounding the Project area, particularly women. The Recipient, through MFNP, MEIDECC and TPL, shall strictly monitor compliance with the requirements set forth in paragraph 10 above and provide ADB with regular reports.	Being complied
5	Grant 0586 (addition to Grant 0347/0348) Sch 4 Para. 13	Governance and Anticorruption The Recipient, MFNP, MEIDECC and TPL shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.	Being complied
6	Grant 0586 (addition to Grant 0347/0348) Sch 4 Para. 14	The Recipient, MFNP, MEIDECC and TPL shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.	Being complied
7	Grant 0586 (addition to Grant 0347/0348) Sch 4	Project Website The Recipient, through MFNP, MEIDECC and TPL, shall maintain a Project website which shall be regularly updated. The Project website shall include information on (a) bidding procedures, bidders, and contract awards; (b) use of the funds disbursed under the Project; and (c) physical progress of the Project.	Complied Apr16

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	Para.15		
8	Grant 0347 Grant 0348 PA Article 2 Para.4	(a) TPL shall carry out the Project with due diligence and efficiency, and in conformity with sound applicable technical, financial, business, and development practices. (b) In the carrying out of the Project and operation of the Project facilities, TPL shall perform all obligations set forth in the Grant Agreements to the extent that they are applicable to TPL.	Being complied
9	Grant 0347 Grant 0348 PA Article 2 Para.3	(a) In the carrying out of the Project, TPL shall employ competent and qualified consultants and contractors, acceptable to ADB, to an extent and upon terms and conditions satisfactory to ADB. (b) Except as ADB may otherwise agree, TPL shall procure all items of expenditures to be financed out of the proceeds of the Grants in accordance with the provisions of Schedule 3 to the ADF Grant Agreement. ADB may refuse to finance a contract where any such item has not been procured under procedures substantially in accordance with those agreed between the Recipient and ADB or where the terms and conditions of the contract are not satisfactory to ADB.	Being complied
10	Grant 0347 Grant 0348 PA Article 2 Para.4	TPL shall carry out the Project in accordance with plans, design standards, specifications, work schedules and construction methods acceptable to ADB. TPL shall furnish, or cause to be furnished, to ADB, promptly after their preparation, such plans, design standards, specifications and work schedules, and any material modifications subsequently made therein, in such detail as ADB shall reasonably request.	Being complied
11	Grant 0347 Grant 0348 PA Article 2 Para.5	(a) TPL shall take out and maintain with responsible insurers or make other arrangements satisfactory to ADB for insurance of Project facilities to such extent and against such risks and in such amounts as shall be consistent with sound practice. (b) Without limiting the generality of the foregoing, TPL undertakes to insure, or cause to be insured, the Goods to be imported for the Project against hazards incident to the acquisition, transportation and delivery thereof to the place of use or installation, and for such insurance any indemnity shall be payable in a currency freely usable to replace or repair such Goods.	Being complied
12	Grant 0347 Grant 0348 PA Article 2 Para.7	(a) ADB and TPL shall cooperate fully to ensure that the purposes of the Grants will be accomplished. TPL shall promptly inform ADB of any condition which interferes with, or threatens to interfere with, the progress of the Project, the performance of its obligations under this Project Agreement, or the accomplishment of the purposes of the Grants. (b) ADB and TPL shall from time to time, at the request of any party, exchange views through their representatives with regard to any matters relating to the Project, TPL and the Grants.	Being complied
13	Grant 0347 Grant 0348 PA Article 2 Para.10	TPL shall enable ADB's representatives to inspect the Project, the Goods and Works and any relevant records and documents.	Being complied
14	Grant 0347 Grant 0348 PA Article 2 Para.11	(a) TPL shall, promptly as required, take all action within its powers to maintain its corporate existence, to carry on its operations, and to acquire, maintain and renew all rights, properties, powers, privileges and franchises which are necessary in the carrying out of the Project or in the conduct of its operations. (b) TPL shall at all times conduct its operations in accordance with sound applicable technical, financial, business, development and operational practices, and under the supervision of competent and experienced management and personnel. (c) TPL shall at all times operate and maintain its plants, equipment and other property, and from time to time, promptly as	Being complied

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		needed, make all necessary repairs and renewals thereof, all in accordance with sound applicable technical, financial, business, development, operational and maintenance practices.	
15	Grant 0347 Grant 0348, PA Article 2 Para.14	TPL shall promptly notify ADB of any proposal to amend, suspend or repeal any provision of its constitutional documents, which, if implemented, could adversely affect the carrying out of the Project or the operation of the Project facilities. TPL shall afford ADB an adequate opportunity to comment on such proposal prior to taking any affirmative action thereon.	Being completed
16	Grant 0347 Grant 0348 PA Article 2 Para.2	TPL shall make available, promptly as needed, and on terms and conditions acceptable to ADB, the funds, facilities, services, land and other resources as required, in addition to the proceeds of the Grants, for the carrying out of the Project.	Being completed
17	Grant 0444 Article 4 Para.5	(a) The Recipient shall exercise its rights under the Subsidiary Grant Agreement in such a manner as to protect the interests of the Recipient and ADB and to accomplish the purposes of the Grant. (b) No rights or obligations under the <i>Subsidiary Grant Agreement</i> shall be assigned, amended, or waived without the prior concurrence of ADB.	Being completed
18	Grant 0444 Sch 4 Para.14	<u>Procurement</u> The Recipient shall ensure that TPL announces the Project and business opportunities associated with the Project on its website. The website shall disclose the following information in relation to goods and services procured for the Project: (a) the amount of the contracts awarded; and (d) the goods and services procured. In accordance with the Procurement Guidelines, the published information for International Competitive Bidding contracts shall also include in the bid prices as read out at bid opening, the reasons for rejection of unsuccessful bidders, and the duration of the awarded contract.	Being completed
19	Grant 0445 Article 4 Para. 4	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as grant administrator for EU. Accordingly, the Recipient agrees that (i) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant from EU; and (ii) that ADB does not assume any obligations or responsibilities of EU in respect of the Project or the Grant other than those set out in this Grant Agreement.	Being completed
20	Grant 0446 Article 4 Para. 4	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as grant administrator for SDCF. Accordingly, the Recipient agrees that (i) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant from SDCF; and (ii) that ADB does not assume any obligations or responsibilities of SDCF in respect of the Project or the Grant other than those set out in this Grant Agreement.	Being completed
21	Loan 3509 Grant 0528 Article 4 Para.4	(a) The Beneficiary shall exercise its rights under the <i>Subsidiary Financing Agreement</i> in such a manner as to protect the interests of the Beneficiary and ADB and to accomplish the purposes of the Loan and the Grant. (b) No rights or obligations under the <i>Subsidiary Financing Agreement</i> shall be assigned, amended, or waived without the prior concurrence of ADB.	Being completed
22	Grant 0586 (additional to Grant 0347/0348) Sch 4 Para.12	<u>Gender and Development</u> The Recipient, through MFNP, MEIDECC and TPL, shall ensure that (a) the GAP is implemented in accordance with its terms; (b) the bidding documents and contracts include relevant provisions for contractors to comply with the measures set forth in the GAP; (c) adequate resources are allocated for implementation of the GAP; (d) progress on implementation of the GAP, including progress toward achieving key gender outcome and output targets, are regularly monitored and reported to ADB; and (e) key gender outcome and output targets include, but not limited to: (i) ensuring participation of at least fifty percent women in all	Being completed

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		community consultations during design and implementation; and (ii) provision of necessary institutional support for female labor-based workers such as separate sanitation facilities.	
23	Grant 0586 Sch 4 Para. 16	<u>Phase 2 Operation and Maintenance</u> Within 18 months of the Effective Date, the Recipient shall enter into an agreement with TPL or other service providers acceptable to the Recipient and ADB, upon terms and conditions satisfactory to ADB, which requires TPL or such other service providers to carry out the routine and periodic maintenance of the facilities built and rehabilitated under this Project as described in Schedule 1, paragraph 2(i) and (ii) of this Grant Agreement.	Not yet due
24	Grant 0587 Article 4 Para. 4	The Recipient acknowledges and agrees that this Grant Agreement is entered into by ADB, not in its individual capacity, but as grant administrator for GEF. Accordingly, the Recipient agrees that (i) it may only withdraw Grant proceeds to the extent that ADB has received proceeds for the Grant and GEF and such proceeds has not been suspended or cancelled in whole or in part by GEF, and (ii) that ADB does not assume any obligations or responsibilities of GEF in respect of the Project or the Grant other than those set out in this Grant Agreement.	Being complied
25	Grant 0587 Sch 2 Para. 1	The Recipient shall cause MFNP, MEI DECC and TPL to comply with the Communication and Visibility Guidelines of the Global Environmental Facility (GEF); and in particular, the Recipient shall cause MFNP, MEI DECC and TPL to include a GEF logo in all relevant Project publications and on any equipment or facility funded by GEF. For the purposes of this provision, "Communication and Visibility Guidelines of GEF" means the communication and visibility guidelines for external actions funded by the GEF included in the communication and visibility policy approved by the GEF Council in May 2011, as amended from time to time.	Being complied
26	Grant 0347 Sch 4 Para. 5	<u>Establishment and Restructuring of ECOS and EMS</u> Within 24 months of the Effective Date, the Recipient shall (a) establish a legal structure for each ECOS on the islands of 'Uiha, Nomuka, Ha'ano and Ha'afeva; (b) establish a legal structure for the EMS serving the island of Niuaotupapu; and (c) as appropriate, establish an ECOS or EMS for the island of Niuafo'ou.	Not yet due
	Economic		
27	Grant 0347 Sch 4 Para. 3	Reduction of Cost of Electricity Within 12 months of the Effective Date, the Recipient and TPL shall revise the electricity tariff levied on consumers on the islands of 'Eua, Vava'u and Ha'apai to appropriately reflect the reduction in electricity generation costs following installation of the solar PV generation facilities.	Partly Complied - TPL reduced tariff by TOP\$0.00 44 /kWh Q4 2017 following Phase1 completion
28	Grant 0347, Sch 4, Para 4	(Phase 2) Within 24 months of the Effective Date, the Recipient shall enact an appropriate fee for electricity services for each of the islands of 'Uiha, Nomuka, Ha'ano, Ha'afeva, Niuaotupapu and Niuafo'ou.	Not yet due

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	Product/ Schedule/Article Para. No.	Covenant	Status
	<i>Safeguards</i>		
29	Grant 0586 (additional to Grant 0347/0348) Sch 4 Para. 4	<u>Involuntary Resettlement</u> The Recipient, through MFNP, MEIDECC and TPL, shall ensure that the Project does not have any involuntary resettlement impacts within the meaning of the SPS. In the event that the Project has such impacts, the Recipient and TPL shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Recipient and with the Safeguard Policy Statement.	Not applicable
30	Grant 0586 (additional to Grant 0347/0348) Sch 4 Para. 5	<u>Indigenous Peoples</u> The Recipient, through MFNP, MEIDECC and TP, shall ensure that the Project does not impact indigenous peoples within the meaning of the Safeguard Policy Statement. If due to unforeseen circumstances, the Project impacts indigenous peoples, the Recipient, through MFNP, TERM-A, and TPL, shall take all steps necessary or desirable to ensure that the Project complies with all applicable laws and regulations of the Recipient and with the Safeguard Policy Statement.	Not applicable
31	Grant 0586 (addition to Grant 0347/0348) Sch 4 Para. 7	<u>Safeguards – Related Provisions in Bidding Documents and Works Contracts</u> The Recipient, through MFNP, MEIDECC and TPL, shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures relevant to the contractor set forth in the IEE and the EMP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report; (b) make available a budget for all such environmental measures; and (c) provide Recipient or TPL with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project.	Being complied
32	Grant 0586 (addition to Grant 0347/0348) Sch 4 Para. 11	<u>Safeguards Monitoring and Reporting</u> The Recipient, through MFNP, MEIDECC and TPL, shall do the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission; (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE or the EMP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP promptly after becoming aware of the breach.	Being complied
33	Grant 0586 (additional to Grant 0347/0348) Sch 4 Para. 9	<u>Prohibited List of Investments</u> The Recipient, through MFNP, MEIDECC and TPL, shall ensure that no proceeds of the Grant are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.	Being complied
	<i>Financials</i>		
34	Grant 0586 (additional to Grant 0347/G0348) Sch 4	<u>Counterpart Support</u> The Recipient shall make available through budgetary allocations or other means, all counterpart funds required for the timely and effective implementation of the Project including any funds required to (a) mitigate unforeseen environmental and social impacts; and (b) meet any additional costs arising from design changes, price escalations in construction or installation costs or	Being complied

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	Product/ Schedule/Article Para. No.	Covenant	Status
	Para.2	other unforeseen circumstances. In addition to the foregoing, the Recipient shall ensure that TPL has sufficient funds to satisfy its liabilities arising from any Works, Goods and/or Consulting Services contract.	
35	Grant 0347 Grant 0348 PA Article 2 Para.6	TPL shall maintain, or cause to be maintained, records and accounts adequate to identify the items of expenditure financed out of the proceeds of the Grants, to disclose the use thereof in the Project, to record the progress of the Project (including the cost thereof) and to reflect, in accordance with consistently maintained sound accounting principles, its operations and financial condition.	Being complied
36	Grant 0347 Grant 0348 PA Article 2 Para.8	(a) TPL shall furnish to ADB all such reports and information as ADB shall reasonably request concerning (i) the Grants and the expenditure of the proceeds thereof; (ii) the items of expenditure financed out of such proceeds; (iii) the Project; (iv) the administration, operations and financial condition of TPL; and (v) any other matters relating to the purposes of the Grants. (b) Without limiting the generality of the foregoing, TPL shall furnish to ADB periodic reports on the execution of the Project and on the operation and management of the Project facilities. Such reports shall be submitted in such form and in such detail and within such a period as ADB shall reasonably request, and shall indicate, among other things, progress made and problems encountered during the period under review, steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected progress during the following period. (c) Promptly after physical completion of the Project, but in any event not later than 3 months thereafter or such later date as ADB may agree for this purpose, TPL shall prepare and furnish to ADB a report, in such form and in such detail as ADB shall reasonably request, on the execution and initial operation of the Project, including its cost, the performance by TPL of its obligations under this Project Agreement and the accomplishment of the purposes of the Grants.	(a), (b) Being complied. (c) Complied. Phase 1 Plant Performance Testing Report provided during May19 Mission
37	Grant 0347 Grant 0348 PA Article 2 Para.9	(a) TPL shall (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with accounting principles acceptable to ADB; (iii) have such financial statements for the Project audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with international standards for auditing or the national equivalent acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report (which includes the auditors' opinion on the use of the proceeds of the Grants and compliance with the financial covenants of the Grant Agreements) and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the close of the fiscal year to which they relate, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request. (b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 30 days of the date of their receipt by posting them on ADB's website.	(a)-(d) Being complied.

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	Product/ Schedule/Article Para. No.	Covenant	Status
		<p>(c) In addition to annual audited financial statements referred to in subsection (a) hereinabove, TPL shall (i) provide its annual financial statements prepared in accordance with national accrual-based financing reporting standards acceptable to ADB; (ii) have its financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with international standards for auditing or the national equivalent acceptable to ADB; and (iii) furnish to ADB, no later than 1 month after approval by the relevant authority, copies of such audited financial statements in the English language and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.</p> <p>(d) TPL shall enable ADB, upon ADB's request, to discuss the financial statements for the Project, TPL and its financial affairs where they relate to the Project with the auditors appointed by TPL pursuant to subsections (a)(iii) and (c) hereinabove, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of TPL, unless TPL otherwise agrees.</p>	
38	Grant 0347 Grant 0348 PA Article 2 Para.12	Except as ADB may otherwise agree, TPL shall not sell, lease or otherwise dispose of any of its assets which shall be required for the efficient carrying on of its operations or the disposal of which may prejudice its ability to perform satisfactorily any of its obligations under this Project Agreement.	Being complied
39	Grant 0347 Grant 0348 PA Article 2 Para.13	Except as ADB may otherwise agree, TPL shall apply the proceeds of the Grants to the financing of expenditures on the Project in accordance with the provisions of the Grant Agreements and this Project Agreement, and shall ensure that all items of expenditures financed out of such proceeds are used exclusively in the carrying out of the Project.	Being complied

Category of Covenants	No.	Status of Compliance		
		Complied	Being Complied	Not Yet Due
Others	26	1	23	2
Economic	2	1		1
Safeguards	5		3	
Financials	6		6	
Total	39	2	32	3
	100%	5%	82%	8%
				5%

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Status of Achieving Project Outputs
As of March 2021

Key Activities with Milestones		Status
Output 1: The Project Will Construct and Install Solar Power Systems With A Total Capacity Of 1.32 MWp On Nine Outer Islands of Tonga, and The Existing Grid Network on The Islands Of Vava'u And 'Eua Rehabilitated By TPL.		
By 2017,		
1a. (i) solar photovoltaic generators are installed and connected to existing electricity distribution networks (0.2 MWp on Eua, repair program on Vava'u and 0.55 MWp on Ha'apai);		(Phase 1): The plants have been built and are operational. The 12-month Performance Testing period ran from Q1-Q4 2018. As of May 2019, PMU, PMC, Contractor and TPL have completed the performance monitoring of the plants and approved the report.
(ii) solar photovoltaic generators are installed and connected to existing community-owned and community-managed electrical mini-grids on four Ha'apai outer islands (100 kWp on 'Uiha, 70 kWp on Nomuka, 70 kWp on Ha'ano, and 150 kWp on Ha'ateva)		(Phase 2): Contract awarded in Oct 2017 and signed in April 2018. Contractor was in Tonga as of September 2018. As of June 2019, the Contractor has completed the Detailed Engineering process. As of October 2019, contractor has delivered almost all of the equipment to all 5 sites and has completed the trenching and started the concrete foundation works in parallel with starting the power station renovations. By December 2020, the contractor has completed 80% of the contract which includes all concrete foundations, solar structure installations, solar module installations, electrical cable installations, and most of the power station renovations on all 5 sites. By March 2021, the contractor has completed and been paid for 83.63%. The contractor shall continue to finish construction and achieve Practical Completion on each of the 5 islands over the coming months.
(iii) installation of 23 kWp SHS capacity in Niuafo'ou and 160 kWp SHS in Niuatoputapu		(Phase 2 NFO Shopping Package): Works completed and contract fully disbursed in July 2018.
(iv) rehabilitation of 100% of existing grid networks on 'Eua and 60% on Vava'u		(Phase 3): 'Eua scope completed in June 2017 and TPL moved to Vava'u. Vava'u scope completed within budget, to specification and on schedule in December 2019.
(v) At least 65 households headed by women in Ha'apai outer islands (50 households) and Niua (15 households) will benefit from the project. (Baseline: all 350 existing households) Women make up a targeted 30% of the workforce for local construction contracts for solar power installations. (2014 baseline: 0)		Information is being monitored in the GAP but baselines are not the same as from the Census 2011 nor 2016. So, Census 2016 used and baseline of total households benefitting from project in Ha'apai and Niua is 1062 (Ha'apai 780 and Niua 282). Total FHH for Ha'apai is 156 and Niua is 51.
1.1 Carry out tender process for turnkey contract (package 1) for 0.75 MWp on-grid solar photovoltaic plants.		(Phase 1) Tender advertised May 2015. BER submitted Oct 2015.
1.2 Carry out tender process for turnkey contract (package 2) for 0.57 MWp mini off-grid solar photovoltaic system.		(Phase 2) Tender advertised Jan 2017. BER submitted Sep 2017.
1.3 Evaluate and report on bids, and award contracts: package 1.		(Phase 1) BER No Objection Dec 2015. Contract awarded Feb 2016.

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Status of Achieving Project Outputs
As of March 2021

Key Activities with Milestones		Status
Output 1: The Project Will Construct and Install Solar Power Systems With A Total Capacity Of 1.32 MWp On Nine Outer Islands of Tonga, and The Existing Grid Network on The Islands Of Vava'u And 'Eua Rehabilitated By TPL (cont'd)		
1.4 Evaluate and report on bids, and award contracts package 2.		(Phase 2) BER No Objection Sep 2017. Contract awarded Nov 2017.
1.5 Install, test, and commission systems, including trial operation of on-grid solar photovoltaic plants.		(Phase 1) Scope completed Oct 2017. Trialing and Performance Testing completed Jan 2019.
1.6 Install, test, and commission systems, including trial operation of mini and off-grid solar photovoltaic system.		(Phase 2) Scope expected to be completed in Q4 2021 followed by 12 months of Performance Testing.
1.7 Carry out tender process for rehabilitation of power distribution network on 'Eua and Vava'u.		(Phase 3) Tender advertised Q2 2016. Contract awarded to TPL June 2016.
1.8 Install, test, and trial operation of the rehabilitated power network on 'Eua and Vava'u.		(Phase 3): 'Eua scope completed in June 2017 and TPL moved to Vava'u. Vava'u scope completed within budget, to specification and on schedule in December 2019.
1.9 Carry out tender process for construction of mini-grid on Niuatoputapu and rehabilitation of service lines on Ha'apai.		(Phase 4): First batch of contracts awarded Q2 2019. Last contracts (the Meters) to be awarded in Q2 2021.
1.10 Install, test, and trial operation of construction of mini-grid on Niuatoputapu and rehabilitation of service lines on Ha'apai.		(Phase 4): Physical works to commence once the materials are delivered in mid-2 2021. Physical implementation is scheduled to be completed approx. 12 months later.
Output 2: O&M Knowledge Transferred Through Training		
By 2020:		
2a. the manual for solar electric equipment is finalized; (2014 baseline: N)		(Phase 1): Completed mid-2017.
2b. knowledge of solar electric and hybrid equipment is transferred in 5 years after commissioning of the systems. (2014 baseline: N)		To become part of the MEIDECC-TPL contract for the O&M of the Phase 2 and Phase 4 assets.
2.1 Design O&M program (Q4 2020)		Preliminary report prepared by ADB PSDI. O&M consultant recruited in March 2021 and following site visits/consultations, will draft an O&M contract between Government, TPL and ECOS. As well as investigating the feasibility of transferring all the mini-grids into the TPL Concession Contract.
2.2 Conduct O&M training for solar electric and hybrid equipment for 5 years after commissioning (Q4 2020)		To become part of the MEIDECC-TPL contract for the O&M of the Phase 2 and Phase 4 assets.

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Status of Achieving Project Outputs
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Key Activities with Milestones		Status
Output 3: Project Implemented and Managed Efficiently		
By 2020,		
3a. (i) consultancy services provided through the appointment of the PMC team, comprising one electrical solar engineer to act as project manager, one power electric planning and field engineer to act as deputy project manager, one financial and procurement specialist, and one social safeguards specialist;		PMC firm contract awarded Mar14. Project Manager recruited Mar16 and contract extended to 30Jun21 but resigned effective 1Apr21, so replacement will be recruited. Social Gender Development and Safeguards Monitoring & Evaluation Specialist recruited Dec17 but resigned in Jul19 – replacement recruited Feb20. Project Accountant/Contracts Administrator recruited Jan19 but resigned Nov19 – replacement recruited Mar20.
(ii) continuous capacity building program conducted for each group of islands for 5 years after systems commissioned. Training includes:		To become part of the MEIDECC-TPL contract for the O&M of the Phase 2 and Phase 4 assets.
(i) project planning and asset management and maintenance for the staff of the Energy Department and TPL and existing community electric societies (with an expected minimum 50% female participants);		Ongoing.
(ii) procurement, anticorruption, safeguards, and O&M training for solar–diesel hybrid energy systems (expected minimum of 50% female participants);		Ongoing.
(iii) asset management concepts, theories, and practical project applications for the staff of TPL and electric societies;		(Phase 1 & 3) TPL asset management training completed throughout 2015 and 2016. (Phase 2) Electricity societies technical asset management training is part of the Phase 2 contract and will be done in Q3 2021 once the contractor commissions the assets. (Phase 4) Electricity societies technical asset management training is part of the Phase 4 contract and will be done in Q3 2022 once the contractor commissions the assets.
(iv) asset management program for staff of TPL and electric societies (expected minimum of 10% female participants);		(Phase 1 & 3) TPL asset management training completed throughout 2015 and 2016. (Phase 2) Electricity societies asset management training is part of the Phase 2 contract and will be done in Q3 2021 once the contractor commissions the assets. (Phase 4) Electricity societies asset management training is part of the Phase 4 contract and will be done in Q2 2022 once the contractor commissions the assets.

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Status of Achieving Project Outputs
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Key Activities with Milestones		Status
Output 3: Project Implemented and Managed Efficiently (cont'd)		
(v) efficient use by management of solar power services for customers of TPL and electric societies;		(Phase 1) TPL O&M training completed throughout 2015 and 2016. (Phase 2) Electricity societies O&M training is part of the Phase 2 contract and will be done in Q3 2021 once the contractor commissions the assets. (Phase 4) Electricity societies O&M training is part of the Phase 4 contract and will be done in Q3 2022 once the contractor commissions the assets.
(vi) consumer training on power budget management for each of the nine outer islands (expected minimum of 50% female participants); and		(Phase 2 & 4) Electricity societies consumer training is part of the Safeguards Specialist contract with some done in Q1-Q2 2019. The remaining completed Q2-Q3 2020.
(vii) demand-side management for customers of TPL and electric societies (expected minimum of 50% female participants). (2014 baseline: N)		(Phase 1 & 3) TPL demand side management training completed throughout 2015 and 2016. (Phase 2) Electricity societies demand side management training is part of the Phase 2 contract completed Q2 2020. (Phase 4) Electricity societies demand side management training is part of the Phase 4 contract and will be done Q2 2021.
3.1 Recruit and field PMC team (Q1 2014)		PMC firm contract awarded Mar14. Project Manager recruited Mar16 and contract extended to 30Jun21 but resigned effective 1Apr21, so replacement will be recruited. Social Gender Development and Safeguards Monitoring & Evaluation Specialist recruited Dec17 but resigned in Jul19 – replacement recruited Feb20. Project Accountant/Contracts Administrator recruited Jan19 but resigned Nov19 – replacement recruited Mar20.
3.2 Prepare detailed project implementation schedule, technical designs, safeguards, and gender action plan components (Q2 2019)		Developed and delivered throughout 2016-2021.
3.3 Develop and implement a capacity-strengthening program for staff of Energy Department, TPL, community electricity societies, and TPL customers (Q3 2022)		TPL training completed throughout 2015-2016. MEIDEC training ongoing throughout 2017-2021. Electricity societies training ongoing throughout 2018-2021.
3.4 Evaluate training programs and report (Q3 2022)		Not yet due.
3.5 PMC teams prepare final report after 5 years of activities (Q3 2022)		Not yet due.

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Outer Island Renewable Energy Project
Follow-up Action Matrix**

	Activity	Responsible Agency	Date
Output 1: The project will construct and install solar power systems with a total capacity of 1.32 MWp on nine outer islands of Tonga, and the existing grid network on the islands of Vava'u and 'Eua will be rehabilitated by TPL.			
1	ICB-P4-CONDUCTOR-01 Conductors and Associated Materials package – Lot 1:		
(a)	Deadline for revised bids	5 responsive bidders	31 Mar 2021
(b)	Amendment to Bid Evaluation Committee's Bid Evaluation Report to ADB	MEIDECC/TPL/MOF	15 Apr 2021
(c)	Review and if in order, issue no objection	ADB	22 Apr 2021
2	SHO-P4-SAND-06 package:		
(a)	Deadline for revised bids	MEIDECC/TPL/MOF	9 Apr 2021
(b)	Bid Evaluation Committee's Bid Evaluation Report to ADB	MEIDECC/TPL/MOF	23 Apr 2021
(c)	Review and if in order, issue no objection	ADB	30 Apr 2021
3	SHO-P4-METERS-01: Supply of Dual Tariff 1-Phase and dual Tariff 3-Phase Pre-Paid Meters incl. accessories:		
(a)	Draft Request for Quotation documents for clearance	MEIDECC/TPL/MOF	15 Apr 2021
(b)	Review and if in order, issue no objection	ADB	22 Apr 2021
(c)	Send RFQs to prospective bidders	MEIDECC	23 Apr 2021
(d)	Deadline for bids	MEIDECC/TPL/MOF	7 May 2021
(e)	Bid Evaluation Committee's Bid Evaluation Report to ADB	MEIDECC/TPL/MOF	28 May 2021
(f)	Review and if in order, issue no objection	ADB	4 Jun 2021
4	MEIDECC-Gamma contract:		
(a)	Advise stakeholders of timeline to fix defects	MEIDECC	1 Apr 2021
(b)	Advise stakeholders of Gamma staff travel to Tonga	MEIDECC	15 Apr 2021
(c)	Third contract variation	MEIDECC/MOF/Gamma	15 Apr 2021
(d)	ANZ Letter of Credit	MEIDECC/ANZ	15 May 2021
(e)	ADB Commitment Letter withdrawal application	MEIDECC/MOF/ADB	15 Jun 2021
5	New procurement package SHO-P4-Shelters-07: Storage extension shelters for power houses		
(a)	Request for a new procurement package to ADB	MEIDECC	25 Mar 2021
(b)	Process request for Management approval and advise GOT of decision	ADB	26 Apr 2021
Output 3: The project is implemented and managed efficiently			
6	Audited Project Financial Statements – MEIDECC	TPL/MEIDECC/MOF	15 Apr 2021
7	Recruitment of Project Manager, PMU, MEIDECC:		
(a)	Official advice to ADB	MEIDECC/MOF	31 Mar 2021
(b)	Finalise draft contract to ADB	MEIDECC/TPL/MOF	7 Apr 2021
(c)	Review and if in order, issue no objection	ADB	14 Apr 2021
(d)	Advertise vacancy	MEIDECC	16 Apr 2021
(e)	Evaluation Committee's Evaluation Report to ADB	MEIDECC/TPL/MPF	30 Apr 2021
(f)	Review and if in order, issue no objection	ADB	7 May 2021
8	Q1 2021 Progress Report	MEIDECC/TPL/MOF	30 Apr 2021
9	2 nd Bi-annual Social Safeguards Report for 2021	MEIDECC/TPL/MOF	31 Jul 2021