

# Progress Report

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Project Number: 47358-002  
Grant Numbers: 0654-SAM and 6013-SAM  
31 March 2023

## Independent State of Samoa: Enhancing Safety, Security, and Sustainability of Apia Port Project

**Quarterly Progress Report No. 13**  
**QPR for the reporting period 1 January 2023 to 31 March 2023**

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For Ministry of Finance  
Samoa Ports Authority

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## I. BACKGROUND

**Project Purpose.** The Project will improve the efficiency, safety, and environmental sustainability of the seaport in Apia, Samoa. It will upgrade terminal infrastructure to enhance safety and capacity, strengthen existing breakwater to enhance resilience to climate change and severe storms, and construct a customs facility with a new container x-ray scanner to enable effective border management. The Project will also support gender-sensitive green port initiatives (GPIs) to promote clean and sustainable port operations and management. Further details pertaining to the project may be found in the Report and Recommendations of the President, available at <https://www.adb.org/projects/documents/sam-47358-002-rrp>

### A. Basic Data

ADB financing for the project is through two grants, Grant G6013 for the Project Design Advance (PDA) and G0654 for the main investment project (the Project)

**Table 1: Grant details**

Grant Number	G6013 (PDA)	G0654 (the Project)
Project Title	Apia Port Project (Project Design Advance)	Enhancing Safety, Security, and Sustainability of Apia Port Project
Approval date	26 April 2018	16 August 2019
Grant signing date	17 May 2018	17 September 2019
Grant effectiveness date	17 May 2018	18 October 2019
Executing Agency	Ministry of Finance	Ministry of Finance
Implementing Agency	Samoa Ports Authority	Samoa Ports Authority
Amount (ADB)	\$3.00 million	\$62.26 million
Amount (Government)	\$0.45 million	\$12.77 million
Total amount	\$3.45 million	\$75.03 million
Estimated completion date	December 2019	31 March 2024
Revised estimated completion date	December 2021	Not applicable
Date of last ADB review mission	8-19 Feb 2021	1-8 Mar 2022

The PDA was completed on 31 December 2021 and the grant account closed 8 March 2022.

### B. Financing Plans

**Table 2: Financing Plan (PDA)**  
(\$ million)

Item	Cost	ADB	Government
<b>A. Base Cost<sup>b</sup></b>			
1. Detailed engineering design consultants	2.08	1.81	0.27
2. Financial Management Specialist	0.06	0.05	0.01
3. Independent Peer Review Consultant	0.12	0.10	0.02
<b>Subtotal (A)</b>	<b>2.25</b>	<b>1.96</b>	<b>0.29</b>
<b>B. Contingencies<sup>c</sup></b>	<b>1.20</b>	<b>1.04</b>	<b>0.16</b>
<b>Total (A+B)</b>	<b>3.45</b>	<b>3.00</b>	<b>0.45</b>

ADB = Asian Development Bank.

<sup>a</sup> The PDA will finance consulting services for detailed engineering design, surveys and project preparation and management.

<sup>b</sup> In mid-2017 prices. Includes taxes and duties of \$294,000. Such amount does not represent an excessive share of the project cost. The government will finance taxes and duties through cash contributions.

<sup>c</sup> Physical contingencies computed at 53.3% for consulting services. The larger allocation for contingencies is deemed appropriate given the uncertainty in the additional requirements that may arise during PDA implementation due to the uncertain underwater/ground conditions at the port. Price contingencies not included as all activities will be completed with one year of commencement.

Source: Asian Development Bank.

**Table 3: Project Financing Plan (the Project)**  
(\$ million)

Item	Cost	ADB	Government
<b>A. Base Cost<sup>a</sup></b>			
1. Port civil works <sup>a</sup>	43.11	37.48	5.62
2. Container x-ray scanner	3.45	3.00	0.45
3. Tugboat	6.90	6.00	0.90
4. Consultants			
a. Project Manager	0.29	0.25	0.04
b. Environmental Safeguards	0.29	0.25	0.04
c. Construction Supervision	3.47	3.02	0.45
d. Project Management Unit (local staff)	0.24	-	0.24
e. Green Port Policy Practice Manual	0.84	0.73	0.11
f. Support to SPA Miscellaneous Individuals	0.12	0.12	-
5. Equipment Maintenance (scanner and tugboat)	2.58	-	2.58
<b>Subtotal (A)</b>	<b>61.28</b>	<b>50.85</b>	<b>10.43</b>
<b>B. Contingencies <sup>b</sup></b>	<b>13.75</b>	<b>11.41</b>	<b>2.34</b>
<b>Total (A+B)</b>	<b>75.03</b>	<b>62.26</b>	<b>11.77</b>

ADB = Asian Development Bank; SPA = Samoa Ports Authority.

Notes: Numbers may not sum precisely because of rounding.

<sup>a</sup> In mid-2019 prices includes taxes and duties of \$7.85 million. Such amount does not represent an excessive share of the project cost. The government will finance taxes and duties (VAGST) from its own resources and administer VAGST provisions in accordance with its regulations.

<sup>b</sup> Physical contingencies computed at 18.2% and price contingencies at 3.58%.

Source: Asian Development Bank.

## II. IMPLEMENTATION PROGRESS

### A. Project Outputs and Scope or Implementation Changes

There have been no changes to the scope or implementation arrangements of the Project to date. Scope and implementation arrangements may be found in the Project Administration Manual available at <https://www.adb.org/projects/documents/sam-47358-002-pam>. Similarly, there have been no changes to the project's expected outputs and outcomes. The Design and Monitoring Framework may be found as a linked document to the RRP at <https://www.adb.org/projects/documents/sam-47358-002-rrp>.

### B. Project Progress

The progress toward achieving the outputs of the overall project (including PDA) is estimated to be 38.14%, with 66% of the implementation period completed. Weightings assigned to the various activities and assessed progress to date is at **Appendix 2**. Progress towards achievement of the outputs and the weighting assigned to each output is in Table 4. Achievement of project outcomes is dependent on achievement of the project outputs and cannot be assessed at this stage.

**Table 4: Progress towards key outputs**

DMF ref	Description	Weight (%)	Actual (%)	Status
1b	Wave-monitoring system implemented (2019 baseline: not applicable)	2	0	On track
1c	One new tugboat delivered to replace tugboat that is past its design life (Baseline: not applicable)	8	8.0	Completed
1d	SPA gender audit and assessment completed with recommendations to increase the number of women in the workplace, particularly in technical and management roles (Baseline: No gender audit).	1	0.80	On track
2a	100 meters of existing breakwater reconstructed	72	26.58	Delayed

DMF ref	Description	Weight (%)	Actual (%)	Status
2b	Gender-responsive multihazard disaster preparedness plan for Apia port delivered	3	2.40	On track
3a	One new container x-ray scanner commissioned by 2020 (Baseline: 0).	8	1.84	Delayed
3b	100% of MFR staff (38 staff) upskilled to manage effective border control, including the use of an x-ray scanner, with all women staff (6) attending (Baseline: 0 men, 0 women trained).	0.5	0.40	Delayed
4a	Gender-responsive green port policy delivered by SPA (2019 baseline: not applicable).	3.5	2.80	On track
4b	At least three new proposals to promote gender-responsive GPIs completed by SPA (2019 baseline: not applicable).	2	2.80	On track
	<b>Total</b>	<b>100</b>	<b>45.62%</b>	

DMF=Design and Monitoring Framework; SPA=Samoa Ports Authority

### 1. ESSAP-W-01 Port Civil Works

The contract agreement for the Port Civil Works was signed with China Harbour Engineering Company Limited (CHEC) on the 29<sup>th</sup> of March 2021. Advance payment was made on the 25<sup>th</sup> of October 2021. As of 31<sup>st</sup> March 2023, cumulative expenditure is at USD\$8.776 million.

Works is progressing in Sections 1 and 2 within the Customs inspection areas and Container Area 2. Overall progress has been slow with only 24% of the contract disbursed with 77% of the contract time elapsed. On-going issues including ineffective planning and managing of staff as well as delay in delivery of materials is leading to the delay of progress. The quality of the pavement concrete works so far has been below standard, and the Contractor has been advised to engage a concrete specialist to review concrete production and placement.

The Contractor is progressing with the installation of the quarry equipment and production is expected to commence mid-April 2023. ADB, Beca and SPA undertook a site visit to the quarry in March and several issues have been highlighted including stabilisation of fill batters above the river and storage of quarry materials. A proposal by the Contractor to tip aggregate off the mountain and collecting it at the base has raised safety concerns and CHEC has been directed to review this in accordance with the consent documents.

The development consent for the temporary access road and wharf has been received from PUMA and construction is expected to commence early April.

The Contractor has casted 109 X-blocks as at the end of March 2023. As with the pavement works, there is concern in the quality of the concrete being used in the Xbloc production and the Contractor has been requested to request specialist help from the Xbloc designers (DMC).

The completion date for Section 1 (12<sup>th</sup> February 2023) has passed and the Contractor has been given Notice of Intention to claim delay damages by the Employer.

The estimated completion dates based on the progress to date is as follows:

**Table 4: Estimated Completion Dates**

Contract Milestone	Contract Completion Date	Estimated Completion Date
<b>Section 1</b> X-ray building and Customs	12 February 2023	31 December 2023
<b>Section 2</b> Remaining Terminal Works	3 April 2023	31 December 2023
<b>Section 3</b>		

Breakwater Reconstruction	8 September 2023	November 2024
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Worker's mobilization

Table 5 below presents workers numbers as of 30 March 2023.

**Table 5: Estimated Completion Dates**

Worker type	Male	Female
Chinese staff and workers	56	2
Chinese Boat men	11	0
Samoans	42	4
Total	109	6

The next mobilization is scheduled for 17 April 2023.

## **2. ESSSAP-G-01 Container X-Ray Scanner**

The construction of the X-ray scanner building is delayed because of the civil works component. It is now forecasted to be completed in December 2023. As such the delivery of the X-ray scanner will need to be delayed and MCR has requested the supplier (Nutech) to delay the delivery of the scanner to February 2024 as there is no suitable storage in Samoa. Nutech has indicated that this may incur additional costs.

## **3. ESSSAP-G-02 Tugboat**

The component has been completed.

## **4. ESSSAP-CS-01 Construction Supervision**

The contract for construction supervision was signed with BECA International Consultants Limited on the 8<sup>th</sup> of February 2021.

The Deputy Resident Engineer (Matt Sheppard) and Site Engineer (Amy Sheppard) have demobilised from Samoa and a new Deputy Resident Engineer (Steve Christensen) commenced in January 2023. The new Site Engineer (Andy Boakes) is expected to mobilise to Samoa in April 2023. The environment specialist mobilized on 21 to 31 March 2023.

Due to the delay in the civil works contract, it is expected that the supervision consultant contract will be extended to provide supervision for the works.

## **5. ESSSAP-CS-02 Green Port Initiatives**

The contract for the green port Initiative was signed with Royal Haskoning DHV Nederland B.V. (RHDHV) on the 18<sup>th</sup> of November 2020 with the date of effectiveness set at Monday 19<sup>th</sup> January 2021. A kick-off meeting was held on 21<sup>st</sup> January 2021 and the Inception report was submitted on 14<sup>th</sup> June 2021.

The consultant was on island in March 2023. During this mission, the RHDHV presented the prioritization framework, pre-feasibility studies and agreement was reached on GPIs to implement. It is anticipated the pilot GPI project will be completed in November 2024. Under the contract, about \$128,000 excluding taxes remains to support implementation of some of the priority GPIs.

The prioritization framework assessed the shortlisted GPIs against impact (safety, environmental, health & equality, business continuity and reputation) and effort (cost, time, stakeholders and external expertise). The shortlisted GPIs and agreed implementation is in Table 6 below.

In addition to the GPIs, RHDHV will also develop an iReport<sup>1</sup> to support SPA's Green Port Awareness and share information with the public on the GPIs which are being implemented.

**Table 6: Estimated Completion Dates**

GPI	Cost Estimate (USD, excl. taxes)	Time to implement	Notes	Indicative Financing Source
<b>High Impact / Low Effort</b>				
Green Port Awareness	\$24,000	2-3 months	Immediate implementation	RHDHV contract
Rainwater Collection	\$24,000?	2-3 months	Immediate implementation	SPA
Disaster Preparedness	\$21,000	3 months	Immediate implementation; will need to be repeated annually and can be provided in 2023 and 2024 with a train-the-trainers component.	RHDHV contract
Training Relevance Review	\$10-15,000	12 months	RHDHV to develop TOR.	SPA
<b>High Impact / Moderate Effort</b>				
Environmental Management & Enhancement	\$42,000	12 months	Will include audits of the domestic ports.	RHDHV contract
Yard and Traffic Management Plans	\$18,000	6-8 months	Additional estimated \$75,000 for road markings and signage.	Ongoing project
Solid Waste Management	\$4-8,000	3-6 months	Additional cost required for wharf fees and landside transport.	RHDHV contract
Harbour Instructions for Vessels	\$40,000	3-6 months		RHDHV contract
<b>High Impact / High Effort</b>				
Review of Safety Policy (24/7)	\$54,000	9-12 months	To be implemented at a later date once SPA has achieved safe pilotage.	To be identified
Strategic Asset Management	\$60,000	16 months		To be identified
Solar PV	\$1.8 million	12+ months	Requires additional funding. Recommend that it is taken forward as a separate project; potentially could be financed under the Pacific Renewable Energy Facility.	To be identified. ADB will discuss with the energy sector team if this work can be taken forward through TA to develop a feasibility study. Discussions on financing, particularly with ADB's private sector operations and other development partners will also be undertaken.
Vehicle Low Emission Zone	\$18,000	18 months	To be implemented at later date once SPA has demonstrated to external stakeholders a commitment to becoming a Green Port	To be identified
<b>Transfer to Project Civil Works</b>				
Smart Lighting	Variable	6-8 months	LED lighting upgrades already being implemented	Ongoing project

<sup>1</sup> A website hosted by RHDHV showcasing the project.



GPI	Cost Estimate (USD, excl. taxes)	Time to implement	Notes	Indicative Financing Source
			under the project. Recommend automated or centralized lighting control.	

Note: Disaster preparedness is already covered under the contract with RHDHV; the cost estimate is for additional tasks to develop the evacuation instructions, signage and assessing the disaster management storeroom

### C. Progress Photographs

Progress photographs are provided in **Appendix 7**.

## III. FINANCIAL PERFORMANCE

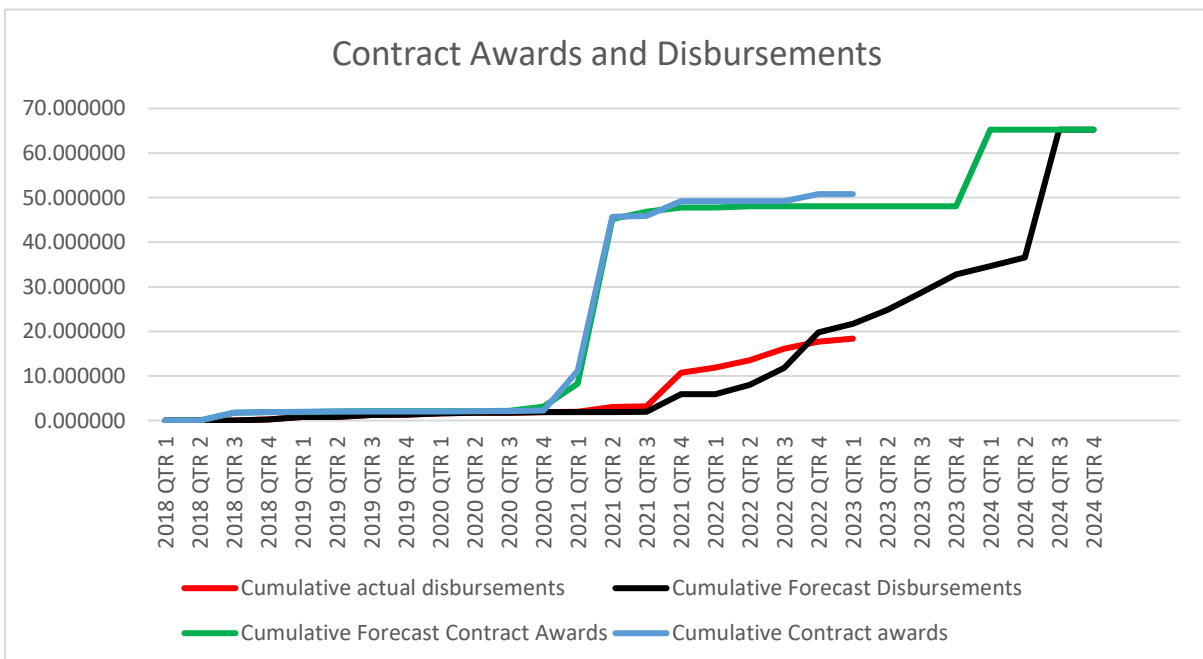
### A. Contract Awards and Disbursements.

Progress measured against the value of contracts awarded and disbursements from the grant accounts is currently *on track*. For this purpose, contract awards and disbursements from the PDA and the Project are combined, and projections for each are similarly combined. Actual Contract awards and disbursements versus projected awards and disbursements are in Table 4. Projected financial performance is illustrated graphically in Figure 1 and the base data is presented in **Appendix 1A**.

**Table 6: Cumulative Contract awards and disbursements vs projected**

	Projected (\$m)	Actual (\$m)	Status
<b>Contract awards</b>	48.08	50.68	On track
<b>Disbursements</b>	21.69	18.38	On track

<sup>1</sup> This amount represents the USD\$ equivalent on the date of signing for all contracts.



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**Figure 1. Projected Financial Performance**

**B. Contract awards**

No new contracts were awarded in thin the last quarter. The Grant Fund G0654-SAM and 6013-PROJ to date has committed a current equivalent Total Value USD\$50 million through nine (9) contract awards equivalent to seventy eight percent (78%) of the current available fund.

A summary of the contract awards and their status is in Appendix 1B.

### C. Contract disbursements

**Table 7: Summary of Disbursements**

FUNDING SOURCE	AMOUNT	CONTRACTED	DISBURSED	COMMITMENTS OUTSTANDING	UNALLOCATED FUNDS	DISBURSEMENT
	USD\$	USD\$	USD\$	USD\$	USD\$	%
6013- PDA	\$3,000,000	\$2,091,292.49	\$2,091,292.49	0	0	70%
0654- PROJ	\$62,260,000	\$48,620,163.45	\$15,567,696.85	\$ 33,052,466.60	\$ 13,639,836.55	25%
Total Grant Funding (ADB)	\$65,260,000	\$50,711,456	\$17,658,989	\$33,052,467	\$13,639,837	27%
GOS Counterpart Funding	\$6,406,238	\$6,406,238	\$1,459,687	\$4,946,551	\$ 0.00	23%
Total Project	\$71,666,238	\$57,117,694	\$19,118,676	\$37,999,018	\$13,639,837	27%

*\*All contracts have been translated into USD as at 31 Mar 23*

Overall, seventy eight percent (78%) of the grant funding has been committed with USD\$20.1 million disbursed equivalent to twenty seven percent (28%) of available funding.

Total disbursement by ADB under both Grant funds (6013-PROJ and 0654-SAM) is currently USD\$18.3 million.. Details against each contract is in Appendix 1B. As of 31<sup>st</sup> March 2023, all the conditions for grant withdrawal have been met.

### D. Costs to completion

The current Total Outstanding of Contracts committed under Grant 0654-SAM is estimated USD\$ 32m. All packages in the approved procurement plan are now committed.

Based on the above there remains an estimated USD\$13.64 million (22% of available funds) unallocated funds available under the main Grant 0654-SAM as of 31<sup>st</sup> March 2023.

## IV. PROGRESS WITH IMPLEMENTATION ACTIVITIES

A Gantt chart illustrating actual progress against the overall implementation plan in the PAM is at **Appendix 5**. Actual achievement is 14-15 months behind the original schedule due to slow progress in the civil works component.

Procurement of all major components of the project is now completed. Completion dates originally planned for all project components will be no later than originally planned, barring significant implementation issues.

## V. COMPLIANCE WITH COVENANTS

### E. The Project covenants.

The status of grant covenants and assurances associated with the Project 0654-SAM is tabulated in Appendix 4. There are no significant instances of non-compliance by the EA or IA.

## VI. MANAGING KEY RISKS AND ISSUES

### F. Changes to Key Risks

Key risks and mitigation measures envisaged during project preparation and included in the RRP are presented and reviewed at **Appendix 3**. Thus far, envisaged risks have not eventuated, or have otherwise been mitigated as planned.

However, a critical risk, not envisaged during project preparation emerged with potential to disrupt project implementation, namely the global pandemic (COVID-19). A Project Level risk assessment was conducted to identify and assess the implications of this risk on the Project. The assessment was undertaken as a variation to the contract of the Detailed Design consultant and financed from contract contingencies.

On the 1<sup>st</sup> of August 2022, the government reopened its borders and all travellers from around the world can now freely travel to and out of Samoa.

## **VII. SOCIAL AND ENVIRONMENTAL SAFEGUARDS.**

The required SMR submission is up to date and the next planned submission is for Jan-June 2023 period due on 31 July 2023.

### **Permits/Development Consent**

Social and environmental safeguards for ESSAP are governed by ADB's SPS 2009 and the relevant laws of Samoa, mainly the PUMA Act 2004 and PUMA (EIA) Regulation 2007. The PUMA Act 2004 and Regulation 2007 require the issuing of a Development Consent (DC) for all development works. The DC is based on an application by the Developer supported by the prescribed documentation among them the environmental assessment reports, and environmental management plans (EMP). PUMA DC for port operations and the Laulii quarry (DC 276/22) have been received and are being monitored regularly.

### **G. Social Safeguards.**

#### **Land acquisition for material sourcing - quarry at Lauli'i**

The Laulii quarry began operations during the 4<sup>th</sup> quarter of 2022 following receipt of PUMA's DC dated 30 August 2022. There are no outstanding resettlement issues related to the land acquisition.

Several Lauli'i villagers voiced concerns about pollution and increased siltation of the Ma'anila River, the 'cloudy' quality of their drinking water and low pressure during a recent consultation meeting (23 March 2023). These issues were further discussed with the Contractor during Progress Meeting # 46 and the causes of the loss of pressure are being investigated by the contractor before appropriate remedial measures are determined and actions taken. Regarding the discoloration in the river and the 'cloudiness' observed in the drinking water, CHEC attributed both to a recent slip upstream of the water intake.

PUMA issued a stop notice for the quarry on 21 March 2023 over CHEC non-compliance with the construction of the tyre-bay wash. PUMA's follow-up visit on 29 March found the stop-notice had been ignored with the facility construction almost completed.

#### **Temporary Works**

PUMA issued DC 018/23 for the temporary works (temporary wharf and access road). With the DC, the following documents are in turn approved –

- Wharf EIA, dated 17 January 2023
- CEMP, dated December 2022
- Combined EMP, dated February 2023

CHEC requested extending working hours to after-hours for the overall port operation including temporary works. The application (SSEMP) requires consent of the nearby village of Matautu and this consent is being sought. SPA is working with the Ministry of Women, Communities and Social Development (MWCSD) to consult with and seeking village support for this extension. This issue is pending.

### **Code of Conduct Agreements (CoC)**

Code of Conduct agreements for CHEC and their workers are mandatory requirements of the contractor. CoC agreements set out standards and expectations of all CHEC employees behavior in and off-site to ensure respect for and sensitivity to local traditions and practices and amicable co-existence with surrounding local communities and populations. This is especially relevant where workers (especially foreign workers) are accommodated in camps or clustered in groups in locations where the possibility of regular interaction with local populations is high.

This requirement has been satisfied. CoC agreements were requested by PMU, were received and reviewed during this reporting period. CHEC was required to have CoC agreements translated into Samoa and Chinese so workers understand them. All workers have since signed CoC agreement. Copy of signed CoC is attached.

## **H. Environmental Safeguards.**

### **1. Project CEMP and TMP Part 1- Landside Works**

Monitoring CEMP Part 1, approved during the Progress Report No.9 period continues under the leadership of the Beca (CSC). More detailed of issues faced are discussed in the various sections below.

### **2. Project EIA, CEMP and TMP Part 2 – Quarry and Marine Works**

PUMA issued a stop notice for truck tyre-wash bay construction after finding non-compliance on 21 March 2023. Subsequent follow-up inspection by PUMA on 29 March found the stop-notice had been ignored with the tyre-bay wash almost completed. Subsequent dialogue between CHEC and PUMA had since clarified the matter with work resumed but under closer PUMA and Beca scrutiny. A number of remedial measures are being considered including removal of the wind break cloth from the river bank at the crusher site and tree planting. CHEC proposed this activity for Quarter 2, 2023. PMU will be followed up.

The scheduled consultation with Lau'i'i village to disclose the TMP and provide road training was conducted by CHEC on 23 March 2023. The consultation identified the need for specific training for school teachers to enable on-going reinforcement of road safety requirements especially for school kids. This is planned for Quarter 2.

The consultation also provided an opportunity for the village to air other issues, the main one being the reported impacts of the quarry activities on the village's drinking water supply. These concerns have been discussed earlier.

Several other malpractices have been identified by Beca during regular site visits for which remedial measures have been discussed with CHEC. These include

- uncontrolled discharge of sedimentation from the tyre wash bay construction,
- ignoring PUMA Stop Notice;
- on-going inconsistent use of PPE by workers
- incorrect reporting of PPG aggregate testing results
- changes in methodologies that deviate from those approved in CEMP

Beca is assisting CHEC to improve self-monitoring by preparing daily and weekly environmental audit checklists for both quarry and port site, to improve monitoring and reporting. A trial audit was completed at the port Site on 28 March and Lauli'i quarry on 29 March 2023. Audit results will be provided to Beca weekly, and formally appended to their monthly reports.

CHEC plans to source rocks from other operating quarries were discussed in the previous progress report. PMU and Beca advised to ensure such other quarries are properly permitted as required under ADB SPS 2009. CHEC have since been informed that the Alafua quarry operated by PPG, which CHEC recently engaged, no longer has PUMA approval. A second quarry, OTT at Saleimoa, has a valid DC.

### **3. Health and Safety**

No incidents, accidents or near misses were reported by CHEC during this reporting period. Notwithstanding this, the following areas of concern were reported by Beca during on-going monitoring:

- On-going inconsistent use of PPE; with workers working with concrete particularly at risk;
- Safety of workers under suspended loads
- Ear protection for workers around noisy machinery and equipment
- Safety of compound access (use of convex mirrors for congested entrance)
- General health and safety of workers at the Lauli'i quarry
- CHEC failure to submit HSE audit reports.

Health and safety issues for Laulii villagers and the public along the haulage route are on-going concerns and were the focus of the CHEC/Laulii consultation on 23 March 2023. This meeting was to enabled CHEC to present and discussed the Traffic Management Plan for the quarry and its safety requirements, mindful of the safety of students and pedestrians along the haulage route for heavy machinery and trucks to and from the quarry. A follow up training for teachers of the Laulii Primary School is scheduled for Quarter 2 to ensure safety requirements are reinforced continually with students and others.

CHEC followed up the HIV AIDS/Communicable diseases awareness trainings from November and December 2022 with another training workshop on 22 March 2023. This training included HIV testing for Samoan and Chinese staff.

#### **4. Grievance Redress Mechanism**

During this quarter, one anonymous grievance was received by PMU from a Laulii villager (who requested anonymity) relating to increased river siltation, the 'cloudy' quality and low pressure of the village drinking water from its recently relocated water intake. The complaint echoed those expressed by several Lauli'i village members to CHEC during the community consultation to disclose and discuss the Traffic Management Plan (TMP) on 23 March 2023. The complaints have been registered in the GRM database.

These issues were further discussed with PMU and Beca during Progress Meeting No. 46 (13 April 2023). CHEC is investigating the causes of the low pressure for remedy and had indicated to the Laulii village that they will report back. Of the 'cloudiness' quality of the drinking water, CHEC explained this is the result of a recent slip upstream of the intake. Both issues are being followed up.

### **VIII. FINANCIAL MANAGEMENT AND GOVERNANCE**

The cumulative expenditure for the project to date amounts to USD\$20.16m from all three funding sources ADB (Grant 6013-SAM and 0654-SAM) and Government of Samoa.

All activities in the current approved procurement plan have been committed.

Based on the current estimates there is grant savings (from Grant 0654-SAM) USD\$13.64m. Although there have been some delays on the decisions for utilisation of these grant savings is expected to be finalised in the next quarter.

**Table 9: Cumulative Expenditures**

Account	Disbursement to Date	Total Outstanding Commitments	Total Actuals + O/Commitments	Total Budget	Variance (Budget- Total Actuals+T O/Commitments)
	USD\$	USD\$	USD\$	USD\$	USD\$
<b>Receipts</b>					
Grant 6013-SAM	\$ 2,091,292.49	\$ -	\$ 2,091,292.49	\$ 2,091,292.55	\$ -
Grant 0654-SAM	\$ 16,277,955.87	\$ 32,339,296.91	\$ 48,617,252.78	\$ 62,260,000.00	\$ 13,642,747.22
Government contribution	\$ 1,792,631.04	\$ 4,601,877.11	\$ 6,394,508.15	\$ 6,391,819.40	\$ -
<b>Total Receipts</b>	<b>\$ 20,161,879.40</b>	<b>\$ 36,941,174.02</b>	<b>\$ 57,103,053.42</b>	<b>\$ 70,743,111.95</b>	<b>\$ 13,642,747.22</b>
<b>Grant 6013-SAM</b>					
1. Detailed Engineering designs	\$ 1,799,586.01	\$ -	\$ 1,799,586.01	\$ 1,799,586.01	\$ -
2. Hydrographic & Geotechnical surveys	\$ 16,655.45	\$ -	\$ 16,655.45	\$ 16,655.45	\$ -
3 TA for X-Ray facilities	\$ 3,268.83	\$ -	\$ 3,268.83	\$ 3,268.83	\$ -
4 Project Management	\$ 271,782.26	\$ -	\$ 271,782.26	\$ 271,782.26	\$ -
<b>Total Grant 6013-SAM Payments</b>	<b>\$ 2,091,292.55</b>	<b>\$ -</b>	<b>\$ 2,091,292.55</b>	<b>\$ 2,091,292.55</b>	<b>\$ -</b>
<b>Grant 0654-SAM</b>					
1.0 Port Civil Works	\$ 8,776,156.39	\$ 28,077,354.47	\$ 36,853,510.86	\$ 37,480,000.00	\$ 626,489.14
2.0 Container Xray Scanner	\$ -	\$ 1,610,000.00	\$ 1,610,000.00	\$ 3,000,000.00	\$ 1,390,000.00
3.0 Tug Boat	\$ 5,150,000.00	\$ -	\$ 5,150,000.00	\$ 6,000,000.00	\$ 850,000.00
4.0 Consultants	\$ 2,351,799.48	\$ 2,651,942.44	\$ 5,003,741.92	\$ 4,370,000.00	\$ -633,741.92
Contingency				\$ 11,410,000.00	\$ 11,410,000.00
<b>Total Grant 0654-SAM Payments</b>	<b>\$ 16,277,955.87</b>	<b>\$ 32,339,296.91</b>	<b>\$ 48,617,252.78</b>	<b>\$ 62,260,000.00</b>	<b>\$ 13,642,747.22</b>
<b>Counterpart Costs by Government of Samoa</b>					
1. Detailed Engineering designs	\$ 79,901.15		\$ 79,901.15	\$ 79,901.15	\$ -
2. Hydrographic & Geotechnical surveys	\$ -		\$ -	\$ -	\$ -
3 TA for X-Ray facilities	\$ -		\$ -	\$ -	\$ -
4 Project Management	\$ 44,772.16		\$ 44,772.16	\$ 44,772.16	\$ -
1.0 Port Civil Works	\$ 1,328,434.04	\$ 4,211,603.17	\$ 5,540,037.21	\$ 5,540,037.21	\$ -
2.0 Container Xray Scanner			\$ -	\$ -	\$ -
3.0 Tug Boat	\$ -		\$ -	\$ -	\$ -
4.0 Consultants	\$ 339,523.69	\$ 390,273.94	\$ 729,797.63	\$ 729,797.63	\$ -
					\$ -
<b>Total Counterpart Payments</b>	<b>\$ 1,792,631.04</b>	<b>\$ 4,601,877.11</b>	<b>\$ 6,394,508.15</b>	<b>\$ 6,394,508.15</b>	<b>\$ -</b>
<b>Total Project (Cumulative)</b>	<b>\$ 20,161,879.46</b>	<b>\$ 36,941,174.02</b>	<b>\$ 57,103,053.48</b>	<b>\$ 70,745,800.70</b>	<b>\$ 13,642,747.22</b>

**I. Current Financial Year FY22/23**

A total USD\$0.81 million was disbursed in this FY Quarter 3 covering 1 January – 31 Mar 23. All payments made under the Grant 0654-SAM were processed via the online Client Portal for Disbursements (CPD) through thirteen Withdrawal applications submitted. This represented USD\$0.71 million of project expenditure this quarter.

Cumulative Disbursements in this Financial Year equate to USD\$5.26m.

The Consolidated Interim Financial Report for the quarter ending 31 March 2023 is found in Appendix 1C.



**Table 10: Statement of Receipts and Payments as at 31 March 2023**

Receipts:	FY 2022/2023 ( 1 Jul - 31 Mar 23)		
	Receipts and Payments controlled by the Entity	Receipts and payments by third parties	Total Payments FY2022/2023
	USD	USD	USD
<b>External Assistance:</b>			
Asian Development Bank Grant No 47358-003 SAM 6013			\$ -
Asian Development Bank Grant No 47358-003 SAM 0654		\$ 4,854,259.07	\$ 4,854,259.07
<b>Counterpart Funds:</b>			
Counterpart Costs by Government of Samoa (GoS)	\$ 412,693.76		\$ 412,693.76
<b>Total Receipts</b>	<b>\$ 412,693.76</b>	<b>\$ 4,854,259.07</b>	<b>\$ 5,266,952.83</b>
<b>Payments:</b>			
Consulting Services	\$ 150,997.47	\$ 1,063,472.11	\$ 1,214,469.58
Goods		\$ 2,060,000.00	\$ 2,060,000.00
Works	\$ 259,618.04	\$ 1,730,786.96	\$ 1,990,405.00
<b>Total Payments</b>	<b>\$ 410,615.51</b>	<b>\$ 4,854,259.07</b>	<b>\$ 5,264,874.58</b>

**J. Project Annual Financial Statements**

There is currently no outstanding audit of the annual project annual financial statements. The Project Annual Financial Statements FY2023 (ending 30 Jun 23) will be due for submission before 31 Dec 23.

**K. Financial Management Reform in SPA**

All activities in the Project FM Risk Mitigation Action Plan have been resolved.

**L. Governance.**

No governance issues have been identified to date.

**IX. EFFICACY OF PROJECT IMPLEMENTATION ARRANGEMENTS**

The Project implementation arrangements are satisfactory to date.

**X. PROJECT ISSUES**

The forecasted completion date for the port civil works contract is expected to be around Q4 of 2024. This would require an extension of the grant closing date.



## **Appendices**

Appendix 1 Contract awards and disbursement.

Appendix 2 Achievement of Outputs and Outcomes

Appendix 3 Risk Management Plan

Appendix 4. Compliance with covenants and assurances

Appendix 5. Implementation Plan: Actual vs Planned

Appendix 6. Gender Aspects Monitoring

Appendix 7. Progress Photos

Appendix 8: Code of Conduct Agreements (CoC)

## Appendix 1 A Contract awards and disbursements

### Achievement and forecast data (\$millions)

	Actual Contract awards	Actual Disbursements	Forecast Contract Awards	Forecast Disbursements
2018 QTR 1	0.000000	0.000000	0.000000	0.000000
2018 QTR 2	0.000000	0.000000	0.000000	0.000000
2018 QTR 3	1.744985	0.000000	1.721262	0.000000
2018 QTR 4	0.172958	0.232686	0.172958	0.232686
2019 QTR 1	0.028151	0.564969	0.028448	0.564969
2019 QTR 2	0.075886	0.035482	0.123667	0.035482
2019 QTR 3	0.038809	0.441356	0.041573	0.441356
2019 QTR 4	0.000000	0.031422	0.000000	0.031422
2020 QTR 1	0.000000	0.292564	0.000000	0.292564
2020 QTR 2	0.054537	0.115915	0.000000	0.115915
2020 QTR 3	0.000000	0.022515	0.060000	0.022515
2020 QTR 4	0.132931	0.160166	0.952403	0.160167
2021 QTR 1	8.878652	0.032565	5.200000	0.000000
2021 QTR 2	34.587711	1.077972	36.899713	0.000000
2021 QTR 3	0.211660	0.164640	1.682899	0.048011
2021 QTR 4	3.328363	7.565277	0.907742	3.980410
2022 QTR 1	0.000000	1.1204017	0.000000	0.002391
2022 QTR 2	- 0.062000	1.663056	0.290000	2.063787
2022 QTR 3	0.000000	2.61445074	0.000000	3.824777
2022 QTR 4	1.61000	1.529549	0.000000	7.939994
2023 QTR 1	0.000000	0.710259	0.000000	1.929280
2023 QTR 2			0.000000	3.107309
2023 QTR 3			0.000000	3.990675
2023 QTR 4			0.000000	3.964066
2024 QTR 1			17.179335	1.926888
2024 QTR 2			0.000000	1.929280
2024 QTR 3			0.000000	28.656056
2024 QTR 4			0.000000	0.000000
	50.802643	18.375245	65.260000	65.260000

## Appendix 1B

### Status of Contract Awards and Disbursements As of 31 March 2023

#### Grant 0654-SAM: ESSAP

Contract No.	Description	Contractor/ Consultant	Date of award	Current contract amount (inclusive of variations)	ADB-financed contract amount (100% of tax- exclusive amount) US\$ equivalent	Disbursement to date	Remarks
ESSAP-W-01	Civil works Landside upgrade and breakwater replacement	China Harbour Engineering Ltd.	29/3/21	USD\$36,853,510.56 SAT\$15,377,414.20	USD\$36,853,510.86	USD\$8,776,156	Progress payments up to IPC 12 (Works claimed Nov 22)
ESSAP-G-01	X-ray Container Scanner	Nuctech Company	27/10/22	USD\$1,610,000	USD\$1,610,000	Nil	Contract signed Oct 22
ESSAP-G-02	Tugboat	Cheoy Lee Shipyards Ltd	9/01/21	USD\$5,150,000.00	USD\$5,150,000.	USD\$5,150,000	Complete
ESSAP-CS-01	Construction supervision	Beca International Consultants Ltd	8/02/21	USD\$3,676,180	USD\$3,676,180	USD\$1,803,791.36	Claims processed to Feb 23
ESSAP-CS-02	Piloting Green Ports Initiative	HaskoningDHV Nederland B. V	18/11/20	USD\$1,035,260.59	USD\$1,035,260.59	USD\$90,307.91	Ongoing.
ESSAP-CS-03	Project Manager (PMU)	Leasi Galuvao	29/03/19 (current variation approved 23 Dec 21)	SAT\$1,167,933	USD\$158,109	USD\$101,136	Ongoing
ESSAP-CS-04	Gender and Social Safeguards Specialist	Tui Tuaifaiva Sam Sesega	17/08/21	USD\$115,026	USD\$115,026	USD\$35,600	Ongoing
ESSAP-CS-05	Project Implementation Consultant	Richard Phelps	17/06/2020	USD\$86,376	USD\$87,376	USD\$36,259.	Ongoing
ESSAP-CS-06	Project Accountant	Rachel Vaai	4/08/21	SAT\$216,108	USD\$73,130	USD\$21,329	Ongoing

## Appendix 1C Interim Financial Report for FY 22/23 (Quarter ending 31 Mar 2023)

ENHANCING SAFETY, SECURITY & SUSTAINABILITY OF APIA PORTS PROJECT (ESSAP)						
STATEMENT OF RECEIPTS AND PAYMENTS						
FOR THE YEAR ENDED 30 JUNE 2023						
Current to 31 Mar 23 (Quarter 3)						
Receipts:	FY 2022/2023 ( 1 Jul - 31 Mar 23)			FY 2021/2022		
	Receipts and Payments controlled by	Receipts and payments by third parties	Total Payments FY2022/2023	Receipts and Payments controlled by	Receipts and payments by third parties	Total Payments FY2021/2022
<i>External Assistance:</i>	USD	USD	USD	USD	USD	USD
Asian Development Bank Grant No 47358-003 SAM 6013			\$ -		\$ 119,677.85	\$ 119,677.85
Asian Development Bank Grant No 47358-003 SAM 0654		\$ 4,854,259.07	\$ 4,854,259.07		\$ 10,393,696.80	\$ 10,393,696.80
<i>Counterpart Funds:</i>			\$ -			
(GoS)	\$ 412,693.76		\$ 412,693.76	\$ 1,271,649.41		\$ 1,271,649.41
<b>Total Receipts</b>	<b>\$ 412,693.76</b>	<b>\$ 4,854,259.07</b>	<b>\$ 5,266,952.83</b>	<b>\$ 1,271,649.41</b>	<b>\$ 10,513,374.65</b>	<b>\$ 11,785,024.06</b>
<b>Payments:</b>						
Consulting Services	\$ 150,997.47	\$ 1,063,472.11	\$ 1,214,469.58	\$ 202,833.41	\$ 1,408,005.22	\$ 1,610,838.63
Goods		\$ 2,060,000.00	\$ 2,060,000.00		\$ 2,060,000.00	\$ 2,060,000.00
Works	\$ 259,618.04	\$ 1,730,786.96	\$ 1,990,405.00	\$ 1,068,816.00	\$ 7,045,369.43	\$ 8,114,185.43
<b>Total Payments</b>	<b>\$ 410,615.51</b>	<b>\$ 4,854,259.07</b>	<b>\$ 5,264,874.58</b>	<b>\$ 1,271,649.41</b>	<b>\$ 10,513,374.65</b>	<b>\$ 11,785,024.06</b>

# Statement of Comparison of Budgets and Actuals

ENHANCING SAFETY, SECURITY & SUSTAINABILITY OF APJA PORTS PROJECT (ESSSAP)  
 STATEMENT OF COMPARISON OF BUDGET AND ACTUALS  
 FOR THE YEAR ENDED 30 JUNE 2023  
 Current to 31 Mar 23 (Quarter 3)  
 Currency USD\$

Account	Total Cumulative (FY2019- FY 22)	FY 2022/ 2023					Total Project to Date	Total Outstanding Commitments	Total Actuals + O/Commitments	Total Budget	Variance (Budget- Total Actuals+O/Commitments)
		Q1 (Sep 22)	Q2 (Dec 22)	Q3(Jan23)	Q4 (Mar23)	Total FY 23					
<b>Receipts</b>											
Grant 6013-SAM	2,091,292					-	2,091,292	-	2,091,292.55	-	
Grant 0654-SAM	11,423,697	2,614,451	1,529,549	710,259		4,854,259	16,277,956	32,339,296.91	48,617,252.78	13,642,747.22	
Government contribution	1,379,937	79,750	227,604	105,340		412,694	1,792,631	4,601,877.11	6,394,508.15	-	
<b>Total Receipts</b>	<b>14,894,927</b>	<b>2,694,200</b>	<b>1,757,154</b>	<b>815,599</b>	<b>-</b>	<b>5,266,953</b>	<b>20,161,879</b>	<b>36,941,174</b>	<b>57,103,053</b>	<b>70,745,801</b>	<b>13,642,747</b>
<b>Payments</b>											
<b>Uses of Grant 6013-SAM</b>											
<b>1. Detailed Engineering designs</b>											
1.1 Design Engineering design consultant	\$ 1,630,615.13					-	1,630,615	-	1,630,615.13	1,630,615.13	-
1.2 Design Peer Review	\$ 168,970.88					-	168,971	-	168,970.88	168,970.88	-
<b>2. Hydrographic &amp; Geotechnical surveys</b>											
2.1 Asbestos survey and report	\$ 16,655.45					-	16,655	-	16,655.45	16,655.45	-
<b>3.1A for X-Ray facilities</b>											
3.1 Radiation Specialist for the X-Ray facility	\$ 3,268.83					-	3,269	-	3,268.83	3,268.83	-
<b>4 Project Management</b>											
4.1 Project management TA	\$ 225,852.39					-	225,852	-	225,852.39	225,852.39	-
4.2 Project implementation consultant	\$ 25,800.00					-	25,800	-	25,800.00	25,800.00	-
4.3 Safeguards Specialist	\$ 9,973					-	9,973	-	9,973.23	9,973.23	-
4.4 Project Accountant	\$ 10,157					-	10,157	-	10,156.64	10,156.64	-
<b>Total Uses of Grant 6013-SAM</b>	<b>2,091,293</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,091,293</b>	<b>-</b>	<b>2,091,293</b>	<b>2,091,293</b>	<b>-</b>
<b>Uses of Grant 0654-SAM</b>											
<b>1.0 Port Civil Works</b>											
2.0 Container Xray Scanner	\$ 7,045,369	253,982	1,068,117	408,688		1,730,787	8,776,156	28,077,354	36,853,510.86	37,480,000.00	626,489.14
3.0 Tug Boat	\$ 3,090,000	2,060,000				2,060,000	5,150,000	-	5,150,000.00	6,000,000.00	850,000.00
<b>4.0 Consultants</b>											
4.1 Project Manager	\$ 30,303	20,117	28,281	22,435		70,833	101,136	56,973.44	158,109.67	250,000.00	81,890.33
4.2 Environmental Safeguards	\$ 15,038	10,108	11,043	2,813		23,963	39,000	79,426.77	118,426.77	250,000.00	131,573.23
4.3 Construction Supervision	\$ 1,146,677	257,566	399,549	263,374		920,489	2,067,166	1,603,706.37	3,670,872.02	3,020,000.00	650,872.02
4.4 Project Management Unit (Local)	\$ -					-					
4.5 Green port Policy Practice Manual	\$ 90,308					-	90,308	809,918.69	900,226.60	730,000.00	170,226.60
4.6 Project Implementation Support Specialist	\$ 6,002	12,678	12,187	7,995		32,860	32,860	50,116.16	82,976.00	40,000.00	22,976.00
4.7 Project Accountant Services	\$ 6,002		10,373	4,955		15,328	21,330	51,801.01	73,130.86	60,000.00	13,130.86
Contingency										11,410,000.00	11,410,000.00
<b>Total Uses of Grant 0654-SAM</b>	<b>11,423,697</b>	<b>2,614,451</b>	<b>1,529,549</b>	<b>710,259</b>	<b>-</b>	<b>4,854,259</b>	<b>16,277,956</b>	<b>32,339,297</b>	<b>48,617,253</b>	<b>62,260,000</b>	<b>13,642,747</b>
<b>Total Uses of Grants 6013-SAM and 0654-SAM</b>	<b>13,514,989</b>	<b>2,614,451</b>	<b>1,529,549</b>	<b>710,259</b>	<b>-</b>	<b>4,854,259</b>	<b>18,369,248</b>	<b>32,339,297</b>	<b>50,708,545</b>	<b>64,351,293</b>	<b>13,642,747</b>
<b>Uses of Government Contribution</b>											
<b>1. Detailed Engineering designs</b>											
1.1 Design Engineering design consultant	\$ 79,901					-	79,901	-	79,901.15	79,901.15	-
1.2 Design Peer Review	\$ -					-	-	-	-	-	-
<b>2. Hydrographic &amp; Geotechnical surveys</b>											
2.1 Asbestos survey and report	\$ -					-	-	-	-	-	-
<b>3.1A for X-Ray facilities</b>											
3.1 Radiation Specialist for the X-Ray facility	\$ -					-	-	-	-	-	-
<b>4 Project Management</b>											
4.1 Project management TA	\$ 32,891					-	32,891	-	32,891.50	32,891.50	-
4.2 Project implementation consultant	\$ -					-	-	-	-	-	-
4.3 Operational costs	\$ 8,861.18					-	8,861	-	8,861.18	8,861.18	-
4.3 Safeguards Specialist	\$ 1,495.98					-	1,496	-	1,495.98	1,495.98	-
4.4 Project Accountant	\$ 1,523.50					-	1,523	-	1,523.50	1,523.50	-
<b>1.0 Port Civil Works</b>											
2.0 Container Xray Scanner	\$ 1,068,816	38,097	160,217.57	61,303.13		259,618	1,328,434	4,211,603.17	5,540,037.21	5,540,037.21	-
3.0 Tug Boat	\$ -					-	-	-	-	-	-
<b>4.0 Consultants</b>											
4.1 Project Manager	\$ 13,546	3,018	4,242	3,365		10,625	24,171	8,546.02	32,717.13	32,717.13	-
4.2 Environmental Safeguards	\$ -					-	2,078	11,914.02	13,992.27	13,992.27	-
4.3 Construction Supervision	\$ 172,002	38,635	59,932	39,506		138,073	310,075	240,555.96	550,630.80	550,630.80	-
4.4 Project Management Unit (Local)	\$ -					-	-	-	-	-	-
4.5 Green port Policy Practice Manual	\$ -					-	-	121,487.80	121,487.80	121,487.80	-
4.6 Project Implementation Support Specialist	\$ -					-	-	-	-	-	-
4.7 Project Accountant Services	\$ 900		1,556	743		2,299	3,199	7,770.15	10,969.63	10,969.63	-
Contingency & Equipment Maintenance	\$ -					-	-	-	-	-	-
<b>Total Uses of Government Contribution</b>	<b>1,379,937</b>	<b>79,750</b>	<b>227,604</b>	<b>105,340</b>	<b>-</b>	<b>412,694</b>	<b>1,792,631</b>	<b>4,601,877</b>	<b>6,394,508</b>	<b>6,394,508</b>	<b>-</b>
<b>Total Payments</b>	<b>14,894,927</b>	<b>2,694,200</b>	<b>1,757,154</b>	<b>815,599</b>	<b>-</b>	<b>5,266,953</b>	<b>20,161,879</b>	<b>36,941,174</b>	<b>57,103,053</b>	<b>70,745,801</b>	<b>13,642,747</b>

## Appendix 2: Achievement of Outputs and Outcomes

### Progress by assessed achievement

Project effective date	18/10/2019
Grant closing date	31/03/2024
Implementation period (days)	1626
Current date	31/03/2023
Implementation days elapsed	1260
% implementation period elapsed	77%

Principal activity	Weighting	Actual Progress
Civil Works	61%	18.99%
X-ray Scanner	8%	1.84%
Tugboat	8%	8.00%
Construction supervision	6%	4.88%
Piloting Green Ports Initiative	10%	8.00%
Wave monitoring	2%	0.00%
Project Manager (PMU)	3%	1.78%
Gender and Social Safeguards Specialist	1%	0.72%
Project Implementation Consultant	1%	0.93%
Total progress		45.14%

Breakdown for civil works	Weight	Achievement	Weighted achievement
Complete detailed design and bid docs	8%	100%	8%
ADB/TB approval of bid evaluation report	1%	100%	1%
Contract award	1%	100%	1%
Contractor mobilization	5%	96%	5%



Complete yard pavement and other works	10%	26%	3%
Complete X-ray facility	6%	17%	1%
Complete other buildings	5%	15%	1%
Complete electrical and lighting	3%	12%	0%
Establish quarry material source	5%	100%	5%
Establish casting yard	3%	100%	3%
Cast X-blocks	30%	12%	4%
Place quarry run and X blocks	30%	0%	0%
Demobilization	1%	0%	0%

Total Civil Works 31%

**Breakdown for X-ray scanner**

Invite bids	2%	100%	2%
ADB/TB approval of bid evaluation report	2%	100%	2%
Contract award	1%	100%	1%
Delivery	90%	20%	18%
Commissioning and training	5%	0%	0%

Total X - ray scanner 23%

**Breakdown for Tugboat**

Invite bids	2%	100%	2%
ADB/TB approval of bid evaluation report	2%	100%	2%
Contract award	1%	100%	1%
Advance payment made	5%	100%	5%
Keel laid	35%	100%	35%
Engine install	35%	100%	35%
Sea trials complete	10%	100%	10%
Acceptance	10%	100%	10%

Total Tugboat 100%

	<b>Weight</b>	<b>Achievement</b>	<b>Weighted achievement</b>
<b>Construction supervision</b>			
Contract award	25%	100%	25%
Implementation (3% per month)	75%	75%	56%
Total construction supervision			81%
<b>Piloting Green Ports Initiative</b>			
Shortlist	2%	100%	2%
Tech and financial eval.	3%	100%	3%
Negotiations and award	2%	100%	2%
Output 1	28%	100%	28%
Output 2	25%	100%	25%
Output 3	20%	100%	20%
Output 4	20%	0%	0%
Total for Green Ports Initiative			80%
<b>Wave monitoring</b>			
1-year data collection	50%	50%	25%
Implementation of real time monitoring	50%	50%	25%
Total for Wave monitoring			50%
<b>Breakdown for PMU Project Manager</b>			
Advertise	15%	100%	15%
Award	15%	100%	15%
Implement (3% per month)	70%	42%	29%
Total for Project Manager			59%
<b>Breakdown for Gender and Social Safeguards Specialist</b>			

Advertise	15%	100%	15%
Award	15%	100%	15%
Implement (3% per month)	70%	60%	42%

Total for Safeguards Specialist 72%

**Breakdown for Project Implementation Specialist**

Advertise	15%	100%	15%
Award	15%	100%	15%
Implement (3% per month)	70%	90%	63%

Total for Project Implementation Specialist 93%

## Design and Monitoring Framework Outputs Progress

Ref	Description	Weighting		Remarks
1a	Container throughput capacity at Apia Port increases to 53,700 TEUs (Baseline: 29,000 TEUs).	0.0%		Treated as an outcome with no weighting given to it.
1b	Wave-monitoring system implemented (2019 baseline: not applicable)	2.0%	0.00%	Allocated weighting is 50% to 1 year wave monitoring and 50% for actual delivery, with 2% overall weighting.
1c	One new tugboat delivered to replace tugboat that is past its design life (Baseline: not applicable)	8.0%	8.00%	As per main monitoring weighting
1d	SPA gender audit and assessment completed with recommendations to increase the number of women in the workplace, particularly in technical and management roles (Baseline: No gender audit).	1.0%	0.80%	Weighting is 10% of overall GPI
2a	100 meters of existing breakwater reconstructed	72.0%	26.58%	Part of civil works. This is a proxy for the whole of the civil works and measured accordingly. Achievement of breakwater works will be at the late stages of construction and not reflect civil works overall progress. Include construction supervision and Project Management
2b	. Gender-responsive multihazard disaster preparedness plan for Apia port delivered	3.0%	2.40%	Weighting is 30% of overall GPI
3a	One new container x-ray scanner commissioned by 2020 (Baseline: 0).	8.0%	1.84%	Delayed.
3b	100% of MFR staff (38 staff) upskilled to manage effective border control, including the use of an x-ray scanner, with all women staff (6) attending (Baseline: 0 men, 0 women trained).	0.5%	0.40%	Weighting is 5% of overall GPI
4a	Gender-responsive green port policy delivered by SPA (2019 baseline: not applicable).	3.5%	2.80%	Weighting is 35% of overall GPI
4b	At least three new proposals to promote gender-responsive GPIs completed by SPA (2019 baseline: not applicable).	2.0%	2.80%	Weighting is 20% of overall GPI
	<b>Total</b>	<b>100.0%</b>	<b>45.62%</b>	

### Appendix 3: Risk Assessment and Risk Management Plan

Risk Description	Rating	Mitigation Measures or Risk Management Plan	Responsibility	Remarks
<b>Procurement</b>				
SPA and MFR as the implementing agencies do not have experience with major procurement and the administration of major donor-financed contracts.	H	The government's Tenders Board and its Procurement Division (which have experience in the procurement of donor-financed contracts) will oversee the procurement processes. The PDA-financed DDC will support the procurement of civil works, and the project-financed construction supervision consultant, and the PMU will support contract supervision and administration.	Government (Tenders Board, Procurement Division, and PMU); DDC; and ADB	Risk mitigation measures successfully implemented. All major procurement completed except the Container X-Ray Scanner
SPA and MFR lack technical expertise to develop cost estimates for the proposed procurement.	M	Detailed engineering design and cost estimation will be undertaken by an experienced DDC (engaged under PDA).	DDC	Risk mitigation measures successfully implemented. Bids received were well within DDC cost estimate.
Samoa's legislation for arbitration is basically tied to court proceedings and may not provide an independent alternative process before the courts are involved. Also, Samoa is not a signatory to the New York Convention on Arbitration, so arbitral awards in Samoa are not enforceable internationally.	L	ADB's standard bidding documents will be used. An international arbitration tribunal will be stipulated for internationally competitively bid contracts.	Government (SPA and MFR)	Risk mitigation measures have been implemented. All contracts are based on ADB's standard bidding document.
Delays in approval of bid evaluation reports and subsequent approval of proposed contract awards by bid evaluation committees, Tenders Board, attorney general, and cabinet.	L	The government's Tenders Board and its Procurement Division have experience with donor-financed procurement, including that of ADB. Procurement delays at this level will be mitigated by succinct and well-prepared bid evaluation reports and close monitoring by the implementing agencies (supported by the DDC). Emerging delays will be referred to the high-level PSC.	Government (Tenders Board and Procurement Division) and DDC	No delays attributable to higher-level government approval processes have been experienced to date.

Risk Description	Rating	Mitigation Measures or Risk Management Plan	Responsibility	Remarks
Samoa's geographical isolation may deter bidders for the civil works component.	M	An expression-of-interest exercise to ascertain the interest of bidders in undertaking the civil works package will be conducted to enhance confidence in the bidding process. This will also allow timely identification of potentially interested specialist subcontractors likely to be needed by the contractors.	Government (PMU)	Mitigation measures successfully implemented. A strong response from bidders for the civil works was elicited.
Specifications for certain package components, such as the mobile x-ray machine and tugboats, require specific expertise that is not readily available in Samoa or from the engaged PDA consultant.	M	ADB is supporting the contracting of specific expertise for the mobile x-ray machine. The independent review firm engaged to review the technical outputs of the DDC has the necessary expertise for the tugboat component.	ADB and independent peer reviewer.	Specific expertise has been recruited to support procurement of tugboat and X-ray scanner
<b>Governance and Financial Management</b>				
SPA and MFR have not previously acted as implementing agencies for an ADB project.	M	The recently recruited finance manager of SPA has experience with ADB procedures from her previous organization. SPA will host a PMU with the necessary expertise.	Government (SPA)	SPA Financial Controller has been employed for over 12 months now and has contributed immensely to the project with her wealth of ADB projects processes and procedures from previous employment with EPC.
Internal audit function in SPA does not report directly to the audit committee.	S	As an interim measure, the audit committee will hold meetings with the head of internal audit, without management present, at least once a year.	Government (SPA)	Internal Auditor reports direct to the Audit Committee for internal audit issues / reports etc but to the GM for administration matters.
Material deficiencies in accounting and financial reporting system of SPA	H	SPA will adjust the financial statements within the first year of the grant approval to rectify any identified material accounting deficiencies. SPA will procure a new integrated financial management information system that will reduce off-	Government (SPA)	A material prior accounting error was corrected and financial statements have been adjusted in the last financial year during

Risk Description	Rating	Mitigation Measures or Risk Management Plan	Responsibility	Remarks
		system spreadsheet use. The project will be audited separately by an auditor acceptable to ADB and the government, similar to other ADB projects in Samoa.		annual audit. Finalising procurement of the new financial software, should be available by Q4 2021. First audit of quarterly financial statements for the project have been completed by the Government Audit Office.
Monthly, quarterly, and annual reporting is on time, but formats must be improved to show operational results separately from financing and other adjustments.	M	SPA will separate expenditure into operational, financing, and other items.	Government (SPA)	The categorization of expenditure has been completed and reflected in new financial statements.
<b>Financial Sustainability</b>				
Inadequate maintenance leads to the degradation of assets.	S	As per the grant agreement, SPA will create a separate reserve fund in its balance sheet with annual provisions from its profits, and inform ADB annually of the manner in which these reserves have been expended. MFR will implement tariff adjustments to ensure that operation and maintenance costs of the new x-ray scanner equipment are recovered.	Government (SPA)	SPA Board approved the establishment of a special maintenance fund which has been established with monthly injection of \$70k. Fund is established at the Unit Trust of Samoa.
<b>Post-Implementation Risks</b>				
Climate change impacts contribute to accelerated port navigation and operability challenges during wet seasons.	S	Under the project, a wave-monitoring system will be implemented to collect and analyze data on offshore wave activity, and to develop an early-warning system to enhance port navigation safety.	Government (SPA)	Wave monitoring system installed and data collection underway.
It is uneconomical and impractical to fully mitigate the seismic risks using structural measures.	S	The DDC concluded that even in the defined serviceability-limit state, a the rehabilitated breakwater is expected to experience subsidence resulting in reduced crest height, potential overtopping, and	Government (SPA)	Risks mitigated in the detailed design of the works to the extent practical and economic.

Risk Description	Rating	Mitigation Measures or Risk Management Plan	Responsibility	Remarks
		<p>likelihood of exposure of the breakwater core during future storms.</p> <p>Notwithstanding, the DDC concluded that the operation of the port would still be effective in sheltering the port in normal conditions in the aftermath of the earthquake, thereby satisfying the resilience criterion. However, urgent repairs would be needed to rearrange the existing armor units and add new ones, to raise the crest back to the 7.1 m level.</p> <p>A multihazard disaster and emergency plan for Apia Port will be delivered to mitigate the residual risks that cannot be managed with structural measures.</p>		<p>Procurement of consulting services to prepare a multi-hazard disaster and emergency plan is complete and consultant contracted awarded.</p>
<b>External Risk</b>				
Slow implementation due to high turnover of trained staff and unexpected demands on PMU.	M	Such risk is uncertain and outside the project's control.	Government	Specified risk not experienced to date.

ADB = Asian Development Bank, DDC = detailed design consultant, H = high, L = low, M = medium, MFR = Ministry for Revenue, PDA = project design advance, PMU = project management unit, PSC = project steering committee, SPA = Samoa Ports Authority.

<sup>a</sup> The serviceability-limit state of the breakwater design is defined as a seismic event that has Annual Probability Exceedance of 1 in 25 years.

Source: Asian Development Bank.



#### Appendix 4: Compliance with Covenants Grant 0654-SAM Project Agreement

A.	Covenant	IA/EA response
2.01(a)	SPA shall carry out the Project with due diligence and efficiency, and in conformity with sound applicable technical, financial, business, and development practices.	Compliant
2.01(b)	In the carrying out of the Project and operation of the Project facilities, SPA shall perform all obligations set forth in the Grant Agreement to the extent that they are applicable to SPA.	Compliant
2.02	SPA 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 Grant, for the carrying out of the Project.	Compliant
2.03(a)	In the carrying out of the Project, SPA shall employ competent and qualified consultants and contractors, acceptable to ADB, to an extent and upon terms and conditions satisfactory to ADB.	Compliant
2.03(b)	Except as ADB may otherwise agree, SPA shall procure all items of expenditures to be financed out of the proceeds of the Grant in accordance with the provisions of Schedule 3 to the 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.	Compliant
2.04	SPA shall carry out the Project in accordance with plans, design standards, specifications, work schedules and construction methods acceptable to ADB. SPA 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.	Compliant
2.05(a)	SPA 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.	Compliant
2.05(b)	Without limiting the generality of the foregoing, SPA 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. Section 2.06	Compliant
2.06	SPA shall maintain, or cause to be maintained, records and accounts adequate to identify the items of expenditure financed out of the proceeds of the Grant, 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.	Compliant
2.07(a)	ADB and SPA shall cooperate fully to ensure that the purposes of the Grant will be accomplished.	Compliant
2.07(b)	SPA 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 Grant.	Compliant
2.07(c)	ADB and SPA shall from time to time, at the request of either party, exchange views through their representatives with regard to any matters relating to the Project, SPA and the Grant	Compliant
2.08(a)	SPA shall furnish to ADB all such reports and information as ADB shall reasonably request concerning (i) the Grant 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 SPA; and (v) any other matters relating to the purposes of the Grant.	Compliant
2.08(b)	Without limiting the generality of the foregoing, SPA 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,	Compliant

	steps taken or proposed to be taken to remedy these problems, and proposed program of activities and expected progress during the following period.	
2.08(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, SPA 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 SPA of its obligations under this Project Agreement and the accomplishment of the purposes of the Grant	Not yet due
2.09(a)	SPA shall (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with financial reporting standards acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with auditing standards acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report, which includes the auditors' opinion(s) on the financial statements and the use of the Grant proceeds, 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.	(i) compliant (ii) compliant (iii) compliant (iv) Not yet due (v) Not yet due
2.09(b)	ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 14 days of the date of ADB's confirmation of their acceptability by posting them on ADB's website.	Not yet due
2.09(c)	In addition to annual audited financial statements referred to in subsection (a) hereinabove, SPA shall (i) provide its annual financial statements prepared in accordance with 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 auditing standards acceptable to ADB; (iii) as part of each such audit, have the auditors prepare the auditors' opinion(s) on the financial statements and compliance with the financial covenants of the Grant Agreement; and (iv) furnish to ADB, no later than 1 month after approval by the relevant authority, copies of such audited financial statements and auditors' opinion(s), 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.	Compliant
2.09(d)	SPA shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and SPA and its financial affairs where they relate to the Project with the auditors appointed by SPA pursuant to subsections (a)(iii) and (c)(ii) 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 SPA, unless SPA shall otherwise agree.	Not requested to date
2.10	SPA shall enable ADB's representatives to inspect the Project, the Goods and Works and any relevant records and documents.	Compliant
2.11(a)	SPA 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.	Compliant
2.11(b)	SPA 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.	Compliant
2.11(c)	SPA shall at all times operate and maintain its plants, equipment and other property, and from time to time, promptly as needed, make all necessary repairs and renewals thereof, all in accordance with sound applicable technical, financial, business, development, operational and maintenance practices.	Compliant
2.12	Except as ADB may otherwise agree, SPA 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.	Compliant

2.13	Except as ADB may otherwise agree, SPA shall apply the proceeds of the Grant to the financing of expenditures on the Project in accordance with the provisions of the Grant Agreement 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.	Compliant
2.14	SPA 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. SPA shall afford ADB an adequate opportunity to comment on such proposal prior to taking any affirmative action thereon.	No relevant proposals



## Appendix 6: Gender Aspects Monitoring

### ACHIEVEMENT OF GENDER-SPECIFIC TARGETS IN THE DESIGN AND MONITORING FRAMEWORK (DMF)<sup>2</sup>

Gender-Specific Targets		Progress
1.	Outcome: Efficiency, safety, and environmental sustainability of Apia International Port improved	
	By 2023:  1b. Gender-responsive green port policy mainstreamed in port operations manuals	Draft Green Port Policy submitted
2.	Output 1. Safety and capacity of port infrastructure enhanced	
	1d. SPA gender audit and assessment completed with recommendations to increase the number of women in the workplace, particularly in technical and management roles (Baseline: No gender audit).	SPA gender audit underway
3	Output 2. Preparedness and resilience and preparedness of port operations to climate change and natural hazards enhanced	
	2b. Gender-responsive multihazard disaster preparedness plan for Apia port delivered	Draft MHPP submitted
4	Output 3. Border security and trade facilitation capacity enhanced	
	By 2023:  3b. 100% of MFR staff (38 staff) upskilled to manage effective border control, including the use of an x-ray scanner, with all women staff (6) attending (Baseline: 0 men, 0 women trained).	Not yet due
5	Output 4. Gender-sensitive GPIs piloted	
	By 2023:	Not yet due

<sup>2</sup> Gender mainstreaming category is Some Gender Elements (SGE)

	4a. Gender-responsive green port policy delivered by SPA (2019 baseline: not applicable).	
	By 2023:  4b. At least three new proposals to promote gender-responsive GPIs completed by SPA (2019 baseline: not applicable).	Not yet due

**Appendix 7: Progress Photos**



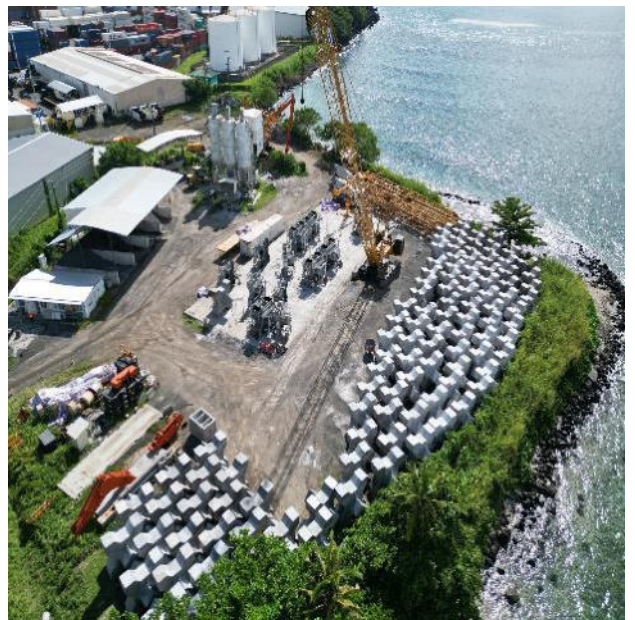
Laulii Quarry Site



Laulii Quarry Site



Xbloc Pre-casting



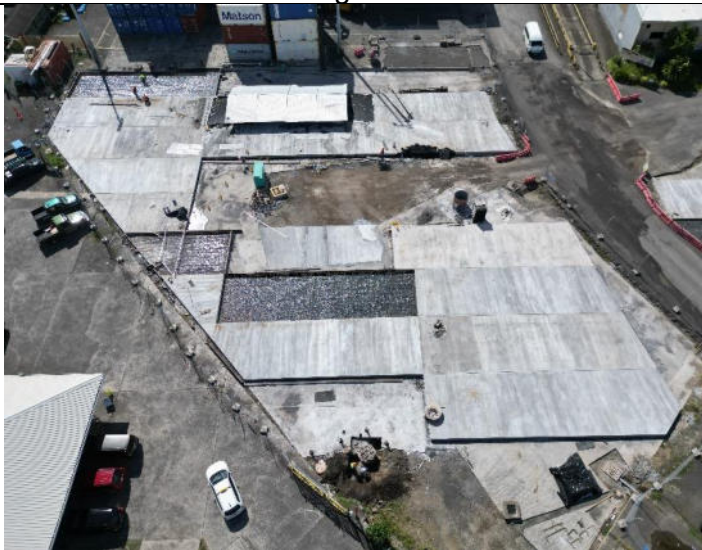
XBloc Precasting Yard



Drainage works



Drainage Outfall



Pavement Works



Lean-to Foundation



## **Appendix 8: Code of Conduct Agreements (CoC)**