

# Pacific Resilience Project Phase II (PREP II)

Republic of the Marshall Islands



**CEA Monthly Report**

For the period ended 31<sup>st</sup> May 2022

MWIU purposes only

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## 1. PROJECT BACKGROUND

The Pacific Resilience Program (PREP) is a 'Series of Projects', implemented in two phases at this stage, with the potential for more phases in the future. The PREP helps Pacific Island Countries to: (i) strengthen early warning and preparedness; (ii) create a framework and enabling environment for stronger governance and for better, prioritized investments for climate and disaster resilience; and (iii) improve the post-disaster response capacity of the countries through strengthened financial resilience to disaster events. PREP Phase I included activities in Samoa, Tonga, Vanuatu and the Republic of the Marshall Islands (RMI), along with a range of activities which are implemented by the Pacific Community (SPC) and the Pacific Islands Forum Secretariat (PIFS). Phase II of the PREP includes a broader range of initiatives for RMI, including a combination of nationally implemented activities by RMI, and regionally implemented activities by SPC. Regionally implemented activities will provide technical assistance to RMI, with a particular focus on strengthening capacity for Disaster Risk Management (DRM) and climate change institutions; while also supporting the integration of RMI's early warning, preparedness and response capacity with a regional platform which is being developed by SPC. This Report for the MWIU focusses on three PREPII projects, the DSS Ebeye Seawall, the CVA study for Majuro and the design of the proposed new NDMO warehouse and office accommodation building.

## 2. EXECUTIVE SUMMARY

Ongoing COVID-19 travel restrictions have affected project activities since March 2020. Nevertheless, significant progress has been achieved, and whilst many activities have not been able to progress in the manner originally intended, the project has taken a case-by-case approach to modifying activity implementation according to context. Significantly, more than half the PREP II team and all current firms contracted to undertake work for PREP II are now working remotely. Whilst this situation can be managed in the preparation and design stages, for the projects momentum to be maintained, travel restrictions will need to return to normal before detailed technical field works and construction can commence. The design of the seawall can continue to progress remotely up until May 2022, after which the Consultant will need to mobilise to progress the design works or procure local subcontractors (which it has now done) to assist with the geotechnical and survey works. This report covers progress on three PREPII projects:

1. Design and Social Safeguards (DSS)- Ebeye Seawall
2. Coastal Vulnerability Assessment (CVA)- Majuro
3. Proposed new NDMO Warehouse and Office accommodation and Structural Analysis of the Existing NDMO Building

Critical developments during the period have included:

- **RHDHV**- Submitted Preliminary design Report (D 13) on 11 March 2022 and Client consolidated comments sent to RHDHV on 27 April 2022.
- Physical Modelling preparation (D17) commenced 11 April 2022. A summary presentation was provided to the Clients team on Stage 1 works on 27 May 2022

- PQ Documentation (D10)- SPN was uploaded onto STEP fro WB NO on 25 May 22, with a release date of 1st June 2022.
- **Deltares** Training for Stakeholder Consultation planned 15 June 2022 and 22 June 2022
- Submitted final Draft of Majuro CVA on 11 March 22 for Client Team Review. Consolidated comments sent to Client for endorsement on 25 April 22. Client endorsed on 6 June 2022 and forwarded to WB (for information) and Deltares to action.
- **NDMO Building and Structural Analysis of existing NDMO building- RFP**  
Received NO, subject to minor comments from WB on 1 May 2022. Require MWIU to correct Quit Claim Boundary line on figures in ToR. RFP sent to the shortlisted consultants on 12 May 22. Pre-Proposal meeting held with the consultants on 27 May 22. Submissions required by 23 June 22.

### 3. PROJECT SUPERVISION

The Ministry of Works Infrastructure and Utilities and (MWIU) is implementing the Project on behalf of the Government of Republic of Marshall Islands. The MWIU has established a Project Management Unit (PMU) to manage and administrate the Project. MWIU acts as the Client under the supervision consulting services agreements.

The PREPII Consulting team supports the PMU and assists the MWIU in the overall administration and management of the project.

#### 3.1 PREP II Consultant Staff

No Changes to Project personnel have occurred during the period. Staff include:

- Mr. Bruce Jackson is the PIU Project Manager (PM).
- Mr. Kevan Wheeler is the PIU Civil Engineering Adviser (CEA)
- Ms. Helene Jacot Des Combes is the PIU DRM/CCA Adviser
- Ms. Elin Axel is the PIU Implementation Support Specialist (has resigned with last day on 12<sup>th</sup> November 2021) A replacement will be procured in due course
- Ms. Lori Debrum is the PIU Communications and M&E Officer
- Ms. Sonyia Andrike is the PIU Project Officer.
- Mr. Garry Venus is the CIU Environmental Safeguards Advisor
- Ms. Colleen Peacock-Taylor is the CIU Social Safeguards Advisor
- Ms. Yumiko Crisotomois the CIU Ebeye Representative
- Mr. Rolito Rillo is the CIU Procurement Advisor
- Bond CM Ltd is the Value Engineering Adviser.

#### 3.2 Government of the Republic of Marshall Islands

MWIU is the Client under the PREPII projects. Mr. Jefferson Barton is the Secretary of Works, Infrastructure and Utilities. The MWIU representative and Director for Project Management Unit is Mr. Melvin Dacillo. Mr James Myazoe is the MWIU representative for Melvin Dacillo as of February 2022, II Mr. Lobaj Kaminega is the MWIU Inspector/Draftsman and is being mentored by the CEA and providing on Island technical assistance for the Projects.

Kwajalein Development Authority (KADA) are the local government authority for the proposed Seawall works on Ebeye and are represented by Mr. Anjojo Kabua (Executive Director) and Mr. Ariston Santiago (Engineer). Mr. Scott B Paul is the City Manager for Kwajalein Atoll Local Government.

#### **4. MEETINGS AND CORRESPONDENCE**

##### **4.1 DSS Ebeye Seawall – Consultant -RHDHV**

Fortnightly Meetings are held on a Friday and commenced on 28 October 2020. 40 design update meetings have been held as of 31 May 2022. The main discussion points this month included:

- Preliminary design report (Deliverable 13) RHDHV submitted final draft on 26 May22. Following Client team review, comments were sent to RHDHV on 6 June 2022. Awaiting RHDHV response.
- Physical Modelling (Deliverable 17) presentation on findings of stage 1 provided on 27 May 22
- PQ Documentation (D10)- RHDHV updated PQ Document (with WB comments received on 15 April 2022) and uploaded onto STEP on 3 May 2022 for WB NO. WB provided NO to the PQ Document on 20 May 22 and following this the SPN was uploaded onto STEP on 25 May 22, with a release date of 1st June 2022.

##### **4.2 Majuro CVA Study- Consultant – Deltares**

No Meetings in this period

##### **4.3 Proposed new NDMO Warehouse and Office accommodation and Structural Analysis of the Existing NDMO Building**

No meetings in this period

##### **4.4 Bond CM Value Engineering Advisor Contract**

No meetings in this period

## 5. CURRENT WORK IMPLEMENTATION SCHEDULE

The Contract details i.e., Contract sum, start date, completion date and Consultant details are as follows:

### 5.1 DSS Seawall – Consultant -RHDHV

#### PART 1

Contract Sum (US Dollar) (Lump Sum) (inclusive of indirect taxes)	\$1,416,666.67
Date of Effectiveness (signing Contract) (SCC 11.1)	21 October 2020
Commencement of Services (SCC 13.1) (not later than 30 Days after date of Effectiveness)	20 November 2020
Time Period -(SCC 14.1)	20 Months
Original Date for Expiration of the Contract (SCC 14.1 i.e., 20 months after Effectiveness date)	21 June 2022
Amended Completion Date (Contract Amendment dated 27 <sup>th</sup> April 2022)	21 December 2022
Consultant	ROYAL HASKONINGDHV (RHDHV)
Team Leader/Project Manager	Robert Hancock /Martin Budd

#### PART 2

Contract Sum (US Dollar) PART 2 (Time Based) (inclusive of indirect taxes)	\$1,802,798.33
Date of Effectiveness (signing Contract) (SCC 11.1 -On Receipt by the Consultant of the Notice to Proceed from the Client)	TBA (assumed 15 May 22 based on status of Approvals of PQ Documentation -Deliverable 10)
Notice to Commence (no later than 30 Days after Date of Effectiveness)	TBA (Date of effectiveness should have been 21 March 2021, but now 15 May 22 based on status of Approvals of PQ documentation -Deliverable 10)
Original Commencement of Construction	(21 July 2022, i.e., 21 months after Appointment)
Revised Commencement of Construction	TBA (14 September 2023, i.e., (21months - 5months=16 months) after Date of Effectiveness based on RHDHV updated timeline)
Time Period -(SCC 14.1)	44 Months after the Effective Date-
Proposed Completion Date Part 2 (includes 12 Months DLP)	Should be 19 November 2024, i.e., 44 Months after Notice to commence see below*
Amended Completion Date Part 2 (yet to be approved) (includes 12 Months DLP)	TBA (Should be 20 September 2025 i.e., 44 Months after Notice to commence based on RHDHV updated timeline) (but now more likely 13 August 26 based on RHDHV amended program dated 11 April 2022)
Consultant	ROYAL HASKONINGDHV (RHDHV)
Team Leader/Project Manager	Robert Hancock /Martin Budd

\*Contract for Part 1 has a duration of 20 months. Part 2 has a duration of 44 Months and was expected to start after 5 months from the commencement of Part 1 i.e., April 2021, (but now more likely April 2022). The "49 months" indicated for the end of the Defects Notification Period is reckoned from the commencement of Part 1. End of construction is "37 months" after commencement of Part 1. Actual construction supervision period is 18 months (but table in Part 2 ToR Cl-4 indicates 16 months am checking with CIU Procurement?). Please refer to TOR - Clause 7. As per TOR, Part 2 overlaps Part 1 by 15 months.

### 5.2 Majuro CVA Study- Consultant – Deltares

Contract Sum (US Dollar) Section A (Lump Sum)	<del>\$592,782.00</del> \$446,621.00- CA2
Section B (Provisional Sum)	<del>\$100,000.00</del> \$146,161.00- CA2
Date of Effectiveness (signing Contract (by Client))	24 April 2020
Notice to commence (Part 2)	20 April 2020
Proposed Completion Date (Part 2)	19 April 2022
Amended Completion Date	31 December 2022 – CA3
Consultant	Stichting Deltares
Project Manager	<del>Alessio Giardino</del> / Robert McCall

### 5.3 Proposed new NDMO Warehouse and Office accommodation and Structural Analysis of the Existing NDMO Building

Contract Sum (US Dollar)	TBA
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### 5.4 Value Engineering Adviser- Consultant – Bond CML

Contract Sum (US Dollar) Section A (Lump Sum)	\$167,705.00
Remaining as of 31 May 2021	124,522.00
Date of Effectiveness (signing Contract)	1 July 2020
Notice to Commence (Part 2)	1 July 2020
Proposed Completion Date (Part 2)	31 December 2021
Amended Completion Date	28 April 2023 (CA No. 1)
Consultant	Bond Construction Management Ltd
Project Manager	Bernard Hill

## 6. CURRENT STATUS OF WORKS

The status of the contracts is summarised in the Sections below. This gives the basic details of the contract. i.e., consultant, contract amount, summary of the deliverables and completion date and shows the total amount certified to date. The contract progress is assessed in terms of certified progress and estimated progress to the end of the current Month. Financial progress is assessed in terms of actual payments due to the Contractor (allowing for advance payments and retention) while physical progress is assessed as the financial value of work done excluding preliminaries and dayworks.

### 6.1 DSS Seawall – Consultant -RHDHV

Item No.	Item	Contract Amount (US\$)	Estimated Final (US\$)	Certified to Date (US\$)
1.1	Initial visit to Majuro and Ebeye to meet stakeholders and inspect the work site. (D 1)	28,333.33	28,333.33	28,333.33
1.2	Draft Levels of Service discussion document for consultation of initial levels of service (at initial visit) (D2 i.e. same as D6)	28,333.33	28,333.33	28,333.33
1.3	Design Concepts Report for discussion of the broad range of design options (at initial visit) including recommendation on works procurement method (D3)	28,333.33	28,333.33	28,333.33
1.4	Investigation protocols in detail for the collection of environmental and social data.(D4)	28,333.33	28,333.33	28,333.33
2.1	Levels of Service Review and Approval Process document approved. (D7)	28,333.33	28,333.33	28,333.33
2.2	Levels of Service Review and Approved (D8)	28,333.33	28,333.33	0.00
2.3	Initial multiple design concepts presented and reported. Four to five recommended for costing (for approval). (D9)	141,666.67	141,666.67	141,666.67
2.4	Constructor Prequalification Document provided for review (including Steering Committee). (D10)	56,666.67	56,666.67	0.00
3.1	Expanded Construction Risk Review Report (D12)	42,500.00	42,500.00	0.00
3.1	Procurement process approved (D11)	28,333.33	28,333.33	28,333.33
3.3	Multiple (approx. 4-5) preliminary design options costed and presented to the Client for approval. (D13)	212,500.00	212,500.00	0.00
4.1	Three semi-final designs chosen (D14)	42,500.00	42,500.00	0.00
4.2	Three final designs fully completed (IFB/1FP) and fully costed. Design reports at 60% and 90%. (D15)	141,666.67	141,666.67	0.00
4.3	3xPreliminary ESIA/ESMP; 1x draft Resettlement Action Plan (all items combined in one document). (D16)	56,666.67	56,666.67	0.00
5	Physical wave modelling fully completed (IFB) (D17)	283,333.33	283,333.33	0.00
6	Design revisions post physical wave modelling completed, cost estimates, ESIA / ESMP and resettlement action plans etc. updated for Client review. (D18)	99,166.67	99,166.67	0.00
7.1	Final ESIA / ESMP and resettlement action plans as final design, during Standstill Period. For approval. (D19)	70,833.33	70,833.33	0.00
7.2	Final design reports including Maintenance and Operations Manual. (D20)	70,833.33	70,833.33	0.00
	<b>Sub Total</b>	<b>\$1,416,666.67</b>	<b>1,416,666.67</b>	<b>311,666.67</b>
	<b>Less 10% GRMI Tax</b>	<b>\$1,275,000.00</b>	<b>1,275,000.00</b>	<b>280,500.00</b>
	<b>Plus Advance Payment</b>			<b>141,666.67</b>
	<b>Sub Total</b>	<b>\$1,275,000.00</b>	<b>1,275,000.00</b>	<b>422,166.67</b>
	<b>Less Adv. Payment Reimbursement</b>			<b>(106,250.00)</b>
	<b>Nett Amount Certified to date</b>			<b>315,916.67</b>
	<b>Start Date</b>	21-Oct-20		
	<b>Completion Date</b>	22-Dec-22		
	<b>Total Certified (US\$)</b>	<b>315,916.67</b>		
	<b>Advance Payment Outstanding</b>	<b>35,416.67</b>		
	<b>Date of last Certificate</b>	<b>30-Mar-22</b>		
	<b>Status</b>	Ongoing		
%	<b>Time</b>	<b>66.3%</b>		
<b>Certified Progress</b>	<b>Financial</b>	<b>24.8%</b>	Note: Financial and physical progress assessed in relation to the	
	<b>Physical</b>	<b>22.0%</b>	amended scope of works including any	
<b>% Estimated Progress to 30-May-22</b>	<b>Time</b>	<b>74.0%</b>	additional works	
	<b>Financial</b>	<b>24.8%</b>		
	<b>Physical</b>	<b>65.0%</b>		
	<b>% Progress This month</b>	<b>43.0%</b>		
	<b>Comments</b>	CA No 1 Replacement Procurement Expert approved. CA No.2 EoT to 22 Dec 22		

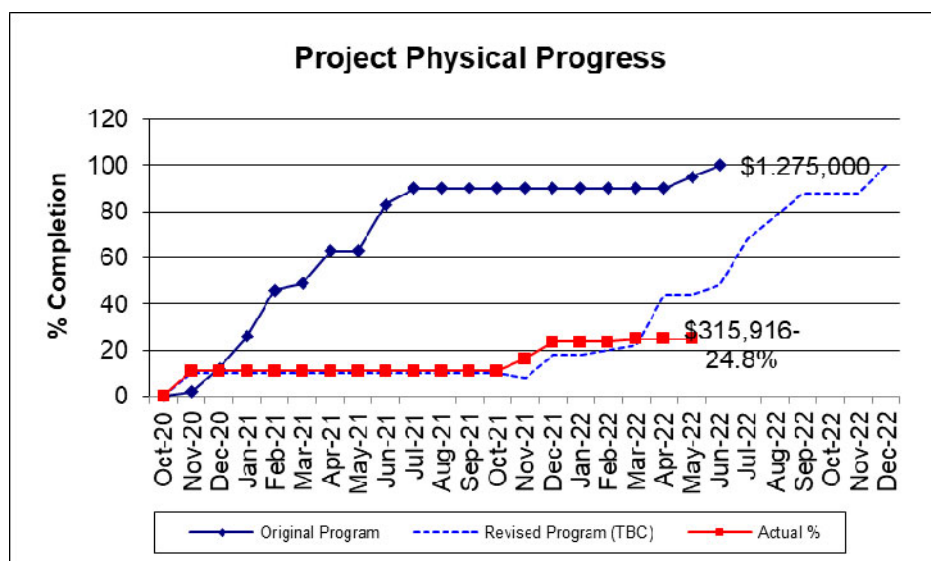
Note: The % progress figures are calculated as follows:

- % Time elapsed is measured to the date of the Contractors statement (certified progress) or to date stated (estimated progress)
- % Financial is the sum of all payments, including advance, net of all deductions compared to the original Contract Sum
- % Physical progress is the value of work certified, excluding preliminaries and dayworks, compared to the corresponding total in the Contract Sum.
- % Programmed progress is in accordance with the Consultants latest Programme
- Estimated progress this month is the difference between the estimated physical progress to date and the actual physical progress as at last month.



**Note:** Tables and Graphs have been amended as of 31 January 2022 CEA Report, now using values with GRMI Tax deducted. This does not affect the percentages. The Revised Program has also changed based on latest draft updated program issued by RHDHV in April 2022.

The overall project completion as at the end of this month is estimated as 24.8% in financial terms, based on payments certified and 65% in physical terms, based on ToR Deliverables progress to date. The Contractor has been granted an extension of time to 21 December 2022 based on an amended Programme of Works submitted April 2022.



### Financial Status

Claim No 4 submitted on 15 March 22 and approved by Client for payment on 18 March 22. CIU Finance paid on 3 March 22 but returned by RHDHV's bank on 4 May 2022 due to error (to be determined). Notified by CIU finance to PIU on 10 June 2022.

### Contract Amendments

CA1 Change of Procurement Key expert approved 8 March 2022  
 CA2 (EOT to 22 Dec 22) approved 27 April 2022.

### Site Works and Mobilisation

Haskoning Australia is entering into a subcontract with Scott Howe to undertake the physical works on site. Pallet of equipment has arrived in Majuro and was loaded into a container for transport via boat to Ebeye. Arrive in Ebeye in mid/late May 2022. Survey team commenced works June 2022. Site investigations to commence Monday Late May with Scott Howe (Joemar) undertaking the work. RHDHV is aiming for the various testing and core sample sent to Australia for Laboratory analysis by June 2022

PREPII PM is dealing directly with DIDA- Assistant Secretary MoFBPS (Malie Tarbillin) regarding the Expat mobilisation.

## Budget and Value Engineering

The current preliminary designs (Deliverable 13) are showing construction costs for all five options well above the stated budget;

- Construction cost range between USD \$79m to \$112m
- Current construction budget is USD \$36m
- Relying on physical modelling / risk allocation will not halve the current estimate
- It will be harder to reduce costs significantly as the project continues

Due to budgetary issues, current consultation is with the Government decision makers and it was discussed at the meeting with RHDHV/CIU/PIU/MWIU/KADA/KALGov on 19 April 2022 that the messaging is based on acknowledging that we are limited by budget and therefore cannot strictly meet the LoS and will be leaving the well-built revetment in place and design and construct the remainder of the seawall (at a lower LoS if necessary), but that we have left provision for the protection to be upgraded/expanded in the future by others. Other meetings/ consultations included:

- VE session held with Ebeye team on 23 March 22 and a follow up, held on 30 March 2022.
- RHDHV Presented PDR finding and VE findings to WB on 25 March 2022
- Meeting with DCS Catalino was held on 5 April 2022 to discuss the options below
- Steering Committee meeting was held on 12 April 2022 to discuss 6 Monthly report including discussion on the proposed VE options below
- A meeting with RHDHV/CIU/PIU/MWIU/KADA/KALGov was held on 19 April 2022 confirming that messaging and acceptance by the EBEYE team of most of the high VE option apart from option 2 (see below)

Key stakeholders will be involved at various times through the value engineering process including the Client's team, the Ebeye team, RHDHV, Bond, prequalified contractors, and winning contractor to undertake Value Engineering right up until the final design. Below is a "bulk" summary of Value Engineering ideas that were suggested, following initial Value Engineering Workshops.

Number	Option	Price	KADA Response
1	Leave well built revetment in place (400m)	\$ 14,000,000	This will be supported
2	Do not construct power station component (250m)	\$ 9,000,000	This will not be supported
3	Remove Waste water treatment	\$ 1,900,000	This will be supported
4	Remove Desalination plant	\$ 1,500,000	This will be supported
5	Remove import tax	\$ 9,500,000	This is with RMI Govt. BJ / RMI Govt to advise
6	Remove part / all maintenance corridor	\$ 6,000,000	Require an entry / exit area for the hardpan along the project wall
		<b>\$ 41,900,000</b>	Note: this is to be confirmed once actual details have been resolved and more accuracy in the design would allow for more accurate pricing.

## Program

The program has and will be affected by the Covid Travel Restrictions

Part 1 of Design Contract commenced on 21 Oct 2020 and expiration is due on 21 June 2022. However, based on the RHDHV revised program (April 2022), RHDHV submitted

a Contract Amendment No 2 on 11 April 22 with a revised completion date for Part 1 of 21 December 2022 and Client approved the CA on 27 April 2022.

Part 2 commenced following a “Notice to Proceed from the Client” on 8 June 2022 following the WB NO to the Special Procurement Notice on 1st June 2022.

RHDHV’s program currently indicates that construction will commence October 2023 and end by September 2026 (includes a 12-month Defects Liability Period). Please note that both these END dates fall after the current END date of PREP II project, which is 12 Feb 2024.

### **Deliverables Status**

- D1 Site visit and Stakeholder consultation 12-24th May 21 & 20-21st Oct 21
- D2 Draft Levels of Service approved by Client on 15 Sept 21
- D3 Design Concepts Report (10 options) approved by Client 11 Sept 21
- D4 Detailed Investigation Protocols- Client approved 7 March 22
- D5- Promoting Project- Project Website AND Linked-In articles approved by Client on 9/3/22 and 22/3/22 respectively
- D7 Final LOS- Client approved 21 Feb 22.
- D9 Preliminary Design Phase (5 options) submitted on 2 Dec and approved by Client 8 Dec
- D 10 (Constructor Prequalification Document). RHDHV updated PQ Document (with WB comments received on 15 April 2022) and uploaded onto STEP on 3 May 2022 for WB NO. WB provided NO to the PQ Document on 20 May 22 and following this the Special Procurement Notice was uploaded onto STEP on 25 May 22, with a release date of 1st June 2022.
- D12 Expanded Construction Risk Review Report (to be carried out during PQ of Contractors)
- D13- RHDHV submitted final draft on 26 May22. Following Client team review, comments were sent to RHDHV on 6 June 2022. Awaiting RHDHV response.
- D14 Following approval of D13, three semi-final designs will be recommended to take forward to detailed design and costings. Client approved 17 May 2022
- D17 Physical modelling – commenced 11 April and will run for approximately 8 weeks. CEA and PM to attend and witness on behalf of the Client.

Status of Contract Deliverables is as follows:

Deliverables/ Comments Register		Completed							
Value	\$1,416,666.67								
Item No	Deliverable/ Milestone (SCC 41.2)	% of Contract Value	Price	Date original submitted by RHDHV	Date Client team provided last comments to RHDHV	Date Final Version Submitted by RHDHV	Date submitted to Client for Approval/signature	Client Approval	Comments
1.1	Initial visit to Majuro and Ebeye to meet stakeholders and inspect the work site. -D1	2%	\$28,333.33	01-Apr-21	26-Apr-21	12-24th May 21 & 20-21st Oct 21	N/A	N/A	1st and 2nd Workshops on Ebeye completed. Includes approval of SECP, which is not a Deliverable
1.2	Draft Levels of Service discussion document for consultation of initial levels of service (at initial visit) D2/D6	2%	\$28,333.33	25-Jun-21	21-Jul-21	see comments	06-Sep-21	15-Sep-21	Submitted draft version to Client for approval. RHDHV advised on 6 Sept 21 that comments will be addressed in final version i.e. item 2.1
1.3	Design Concepts Report for discussion of the broad range of design options (at initial visit) including recommendation on works procurement method -D3	2%	\$28,333.33	03-Aug-21	18-Aug-21	02-Sep-21	10-Sep-21	11-Sep-21	
1.4	Investigation protocols in detail for the collection of environmental and social data. -D4	2%	\$28,333.33	02-Feb-21	13-Jan-22	04-Feb-22	17-Feb-22	07-Mar-22	Reviewed by Clients team (CIU/WB Safeguards teams) and comments returned to RHDHV on 5th Oct 21. RHDHV submitted rev3 6 Dec 21 - Fwdd to Client team 7 Dec 21 response requested by 21 Dec 21. CIU Safeguards provided comments on 15 Dec 21. Arranged meeting with GV and RHDHV on 13 Jan 22 to finalise comments. RHDHV submitted final version on 18 Jan 22. GV approval 4 Feb 22 and fwd to WB for review by 16 Feb 22. WB Approved 16/2/22 and sent to Client for approval on 17/2/22
2.1	Final Levels of Service Review and Approval Process document approved. D7	2%	\$28,333.33	29-Nov-21	13-Jan-22	25-Jan-22	31-Jan-22	22-Feb-22	Submitted by RHDHV on 29 Nov 21, reviewed and comments returned by Client team on 13 Jan 22. Final version submitted by RHDHV 25 Jan 22. Checked and forwarded to Client on 31/1/22 for approval. Client approved 22/2/22
2.2	Updated Levels of Service Review and Approved -D8	2%	\$28,333.33						
2.3	Initial multiple design concepts presented and reported. Four to five recommended for costing (for approval). -D9	10%	\$141,666.67	12-Nov-21	26-Nov-21	30-Nov-21	02-Dec-21	07-Dec-21	Fwdd to Client team 12 Nov 21 requested response by 18 Nov 21. Client Approved 7 Dec 21
2.4	Constructor Prequalification Document provided for review (including Steering Committee). -D10	4%	\$56,666.67	08-Feb-22	13-Mar-22	24-Mar-22	01-Jun-22		Replacement Procurement Expert Contract Amendment No 1 - STEP NO on 7/2/22. RHDHV Submitted 4 March 22 for Client Team review. Comments sent to RHDHV on 13/3/22. RHDHV Submitted final on 21/3/22 and BJ uploaded onto STEP on 24/3/22. Initial comments received from WB and RHDHV updated PQ Document and BJ re-uploaded onto STEP on 5 May 2022. WB provided NO to the PQ Document on 20 May 22 and following this the SPN was uploaded onto STEP on 25 May 22, with a planned release date of 1st June 2022. KW requested Client approval on 1/6/22. Awaiting shortlisting of Contractors before we request Steering Committee
3.1	Expanded Construction Risk Review Report -D12	3%	\$42,500.00						
3.2	Procurement process approved- D11	2%	\$28,333.33	01-Sep-21	01-Sep-21	01-Sep-21	11-Oct-21	21-Oct-21	On 1 Sept 21, RHDHV advised that the Procurement Process was included in the Procurement Strategy. On 2 Sept 21 CIU Procurement confirmed that this was acceptable. Emailed WB on 9 Sept 21 and WB confirmed acceptance on 10 Oct 21.
3.3	Multiple (approx. 4-5) preliminary design options costed and presented to the Client for approval. -D13- HOLD POINT	15%	\$212,500.00	11-Mar-22	27-Apr-22	26-May-22			RHDHV submitted draft for Client review on 11/3/22. KW requested comments from Clients team by 31/3/22. Received Bond Comments 31/3/22 and WB comments on 4/4/22. Client endorsed consolidated comments on 25/4/22 and WB then approved comments to be sent to RHDHV on 27 April 2022. RHDHV submitted final draft on 26 May 22. Following Client team review, comments were sent to RHDHV on 6 June 2022. Awaiting RHDHV response
4.1	Three semi-final designs chosen -D14	3%	\$42,500.00	06-May-22	10-May-22	13-May-22	13-May-22	17-May-22	Met on 10/5/22 with RC, MD, Scott Ariston, RHDHV, BJ KW to discuss RHDHV reasons. Also received comments from Bond on 11/5/22. Client Approved 17/5/22.
4.2	Three final designs fully completed (IFB/IFP) and fully costed. Design reports at 60% and 90%. -D15	10%	\$141,666.67						
4.3	3x Preliminary ESIA/ESMP; 1x draft Resettlement Action Plan (all items combined in one document). -D16	4%	\$56,666.67						
5	Physical wave modelling fully completed (IFB) -D17	20%	\$283,333.33	11-Apr-22					Commenced setting up of model 11/4/22. Stage 1 Presentation provided to Clients team on 27/5/22. Stage 2 Live feed on 2/6/22
6	Design revisions post physical wave modelling- D18	7%	\$99,166.67						
7.1	Final ESIA / ESMP and resettlement action plans as final design, during Standstill Period. For approval. -D19	5%	\$70,833.33						
7.2	Final design reports including Maintenance and Operations Manual. -D20	5%	\$70,833.33						

## 6.2 Majuro CVA Study- Consultant – Deltares

Item No.	Item	Amended Contract Amount (US\$)	Estimated Final (US\$)	Certified to Date (US\$)
1	<b>Section A: Staged Payment items</b>			
1	Signing of contract	\$49,278	\$49,278	\$49,278
2	Submission and client's acceptance of deliverable D1 (Field Visit and Inception Report)	\$68,991	\$68,991	\$68,991
3	Submission of three chapters of the Technical Report: (1) Quantification of coastal hazards, (2) Effects of coastal hazards, and (3) Coastal	\$123,195	\$123,195	\$123,195
4	Submission of two chapters of the Technical Report: (1) Coastal risk assessment and (2) Selection of priority areas (Tasks 5 and 6)	\$57,323	\$57,323	\$57,323
5	Submission of one chapter of the Technical Report: Conceptual designs and cost estimates (Task 7)	\$49,278	\$49,278	\$49,278
6	Client's acceptance of complete and final Technical Report (D2)	\$49,278	\$49,278	\$0
7	Submission of the updates for the Ebeye and Majuro CVA (D4, Task 8) and capacity building/training (D6, Task 9)	\$24,639	\$24,639	\$0
8	Delivery of the list of information, reports, and data (D5, Task 10)	\$24,639	\$24,639	\$0
	<b>Section B: Task Note Payment items</b>			\$0
1	Technical Assistance to RHDHV for Ebeye Seawall- CRA	\$4,164	\$4,164	\$4,164
2	New RMI Building Code -Flood Load Parameters Early works	\$3,023	\$3,023	\$3,023
3	New RMI Building Code -Flood Load Parameters	\$29,609	\$29,609	\$29,589
4	Others to be confirmed	\$109,365	\$109,365	\$0
	<b>Sub Total</b>	592,782.00	592,782.00	384,841.20
	<b>Less 10% GRMI Tax</b>	\$533,503.80	533,503.80	346,357.08
	<b>Plus Advance Payment</b>			0.00
	<b>Sub Total</b>	\$533,503.80	533,503.80	346,357.08
	<b>Less Adv. Payment Reimbursement</b>			0.00
	<b>Nett Amount Certified to date</b>			346,357.08
	<b>Start Date</b>	20-Apr-20		
	<b>Completion Date</b>	31-Dec-22		
	<b>Total Certified (US\$)</b>	<b>346,357.08</b>		
	<b>Advance Payment Outstanding</b>	<b>0.00</b>		
	<b>Date of last Certificate</b>	29-Sep-21		
	<b>Status</b>	Ongoing		
%	<b>Time</b>	53.5%		
<b>Certified</b>	<b>Financial</b>	64.9%	Note: Financial and physical progress now assessed in relation to the amended scope of works including additional works	
<b>Progress</b>	<b>Physical</b>	64.9%		
% Estimated	<b>Time</b>	78.2%		
<b>Progress to 30-May-22</b>	<b>Financial</b>	64.9%		
	<b>Physical</b>	64.9%		
	<b>% Progress This month</b>	0.0%		
	<b>Comments</b>	CA2 Approved 3 March 22- No travel and moved funds to Part B + New team Leader (Robert McCall). CA 3 EOT 31 Dec 22		

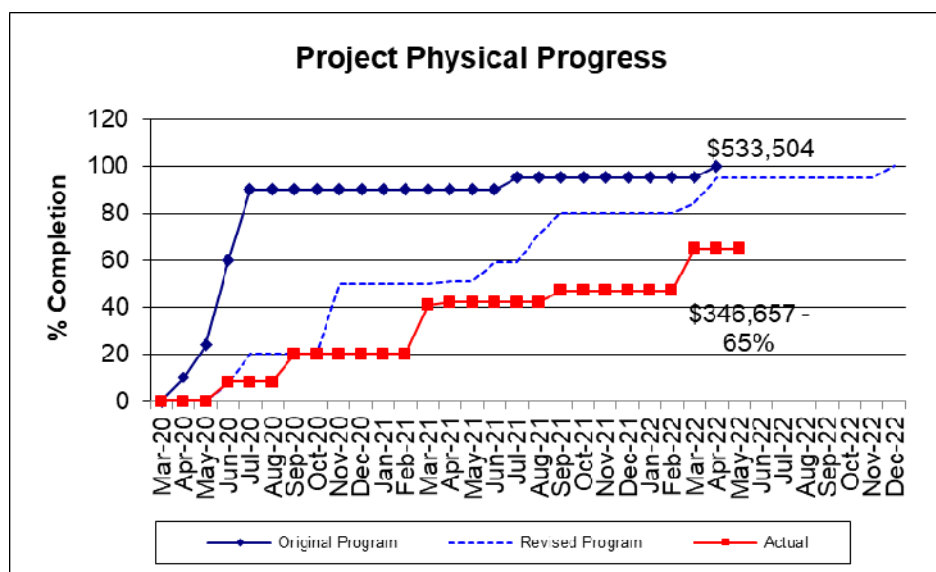
Note:

The % progress figures are calculated as follows:

- % Time elapsed is measured to the date of the Contractors statement (certified progress) or to date stated (estimated progress)
- % Financial is the sum of all payments, including advance, net of all deductions compared to the original Contract Sum
- % Physical progress is the value of work certified, excluding preliminaries and dayworks, compared to the corresponding total in the Contract Sum.
- % Programmed progress is in accordance with the Consultants latest Programme
- Estimated progress this month is the difference between the estimated physical progress to date and the actual physical progress as at last month.

**Note:** Tables and Graphs have been amended as of 31 January 2022 CEA Report, now using values with GRMI Tax deducted. This does not affect the percentages.

The overall project completion as at the end of this month is estimated as 65% in financial terms based on the payments certified and 85% in physical terms, based on Deliverables received.



The major activities during the month were as follows:

**Task 7- Conceptual designs of Adaption Options and Cost estimates**

Deltares submitted final draft on 11/3/22 and circulated to Client team on 13/3/22. Forwarded consolidated comments to Client on 25 April 22. Client approved comments on 6 June 2022 and forwarded to Deltares to review and update Majuro CVA. Expect final version on 17 June 2022

**Task 8: Annual updates to risk assessments**

Updated Ebeye CRA approved by Client on 2 March 2022

**Task 9: Capacity Building**

Deltares provided a remote training sessions on the use of the (GIS) data produced in the CVA study on 21 April 2022.

In addition Deltares have proposed a second training course on in two parts on Stakeholder engagement on 15 June 2022 and 22 June 2022

**Task 10: Data Delivery**

Deltares submitted on 22 March 2022- and this was forwarded to Clients team on 25 March 2022 for review by 15 April 22. This will need to include the updated CVA (Task 7) once comments are addressed (awaiting comments from WB).

**Under Part B of the Contract**

Deltares has been issued task notes including technical assistance to ICC in relation to the new RMI Building Code being developed for the MWIU. Other works under this section include updates to the CVA report after SPC works are complete.

Client has approved Task Note No 4 and this was issued to Deltares on 8 March 22. Deltares to commence works on a Synthesis Report for NAP, with works programmed for completion in 10 Weeks. This is for works under Component 1 and will assist in the NAP for the preparation of the ToR for the vulnerability and adaptation option assessment contract.

**Finance-** Over this period, no claims have been received

**Contract Amendments.**

CA2 was approved by the Client on 3 March 2022. CA3 for an extension of time to 31 Dec 20/22 was approved by the Client on 7 April 2022

**Revised Schedule CVA for Majuro Atoll (CVA) 08-07-2021**

The Table is an update of the Work Plan as presented in the Inception Report submitted on 13-07-2020

N°	Activities & Deliverables	2020												2021												2022			
		5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4				
1	Inception phase and field visit	df																											
2	Quantification of offshore and nearshore forcing conditions						d	f																					
3	Quantification of coastal hazards							d	f																				
4	Coastal condition classification							d	f																				
5	Coastal risk assessment									d	f																		
6	Selection priority area for intervention												d			f													
7	Conceptual design of adaptation options and cost estimate																d	f											
8	Annual updates to risk assessments																d	f											
9	Workshops / Capacity building / training <sup>1</sup>													dw			dw				m			m					
10	List of information, reports, and data																		F										

d indicates submission of a deliverable in draft format  
 f indicates submission of a deliverable in its final version  
 m indicates mission to Majuro if current travel restrictions allow that  
 dw indicated a digital workshop

### 6.3 Proposed new NDMO Warehouse and Office Accommodation and Structural Analysis of the Existing NDMO Building

**Tables to be added**, following appointment of a consultant.

Background and major activities during the month were as follows:

Under the original funding for RMI PREP II, \$700k was committed to assess the structural integrity of the existing NDMO building (Anne's Palace) and conduct necessary works to either reinforce it or to renovate the NDMO offices. Subsequently to this, a new OCS/NDMO/EOC building is being proposed and financed by the Japanese Government. Hence whilst the structural Analysis of Anne's Palace is still to proceed, with some refurbishment possible, a Proposal for the Design of a New NDMO Warehouse and Office Accommodation and Structural Analysis of the Existing NDMO Building was approved by the GRMI at the Steering Committee held on 9th November 2020.

The new building is proposed to serve as office and warehousing space for the MoF (including Supply), NDMO and DIDA.

A new Procurement line was uploaded onto STEP and approved by the WB on 6<sup>th</sup> February 2021.

A ToR was prepared by the CEA and a revised Road map for Component 1 drafted by the Disaster risk management & Climate change adaptation adviser. This was uploaded onto STEP on 25<sup>th</sup> February 2021.

WB provided comments on the ToR on Monday 12<sup>th</sup> April 2021, and this was circulated to the PREPII CIU and PIU for review and comments. Regarding the proposed mobile EOC being stored at the new building, the WB required that the new NDMO building should be constructed to Risk Category IV. However, following discussions with the Director of NDMO, Timmy Langrine, about the proposed Mobile EOC, he advised via email on 9<sup>th</sup> June 2021, that no Mobile EoC is required at the new NDMO building as NDMO are now looking at a Marine EOC (Boat). As a result, the Director PMU, Melvin Dacillo confirmed in an email on 11<sup>th</sup> June 2021, that based on International Building Code 2018, this proposed project titled "New Warehouse and Office Accommodation" is Group B Occupancy and should be constructed to Risk Category II.

CEA revised the ToR accordingly and this was upload onto STEP on 12<sup>th</sup> August 2021 for WB NO before preparing the Procurement package. WB have advised NO on 16<sup>th</sup> September 2021, but with some changes to be made to the ToR to suit the new Proposed Republic of the Marshall Islands Urban Resilience Project (RMIURP).

Assistant Secretary MoFBPS, Malie Tarwillin, advised in a meeting with PIU on 31st Aug 2021 (confirmed by the WB on 10<sup>th</sup> September, that this project may get funding out of the proposed budget of \$6.5-\$9.0m, for Component 3 (Resilient Public Building and Spaces) out of a total proposed grant of \$20-\$30m being sought for the RMIURP.

The ToR was updated and a Request for Expressions of Interest (REOI) with the revised ToR was uploaded onto STEP on 1 Dec 21 closing on 7<sup>th</sup> February 2022 (originally 22 Dec 21 but extended due to low number of submissions). Six submissions were received and CEA carried out an assessment of EOI's. As there were only six (6) EOIs received



and since the Bank's Procurement Regulations specifies a shortlist of 5 to 7 firms, the shortlisting process did not require a detailed scoring/ ranking of the firms and instead, the evaluation is reduced to a simple pass or fail assessment to the Consultants' qualifications against the minimum qualification requirements as specified in the TOR and the REOI. The Evaluation Panel agreed that all Consultants meeting all the minimum requirements shall be shortlisted.

This was reviewed and accepted on 22 Feb 22 by Mr. Melvin Dacillo, Director, Project Management Unit and Mr. Catalino Kijiner Deputy Chief Secretary and uploaded onto STEP for WB NO on 23 Feb 22.

WB then requested REOI included strengths and weaknesses of consultants on 17 March 22. This was completed and approved by evaluation team and then re-uploaded onto STEP on 29 March 22. RFP completed and awaiting WB NO on REOI assessment before we can upload onto STEP. WB provided NO to the REOI assessment on 14 April 22 and RFP uploaded onto STEP on the same day. Received NO subject to minor comments from WB on 1 May 2022 (including MWIU to correct Quit Claim Boundary line on figures in ToR). RFP was approved by WB to be sent to the shortlisted consultants on 12 May 22. A Pre-Proposal meeting was held with the consultants on 27 May 22, with Submissions required by 23 June 22. Estimated critical dates following submission are as follows:

- Contract negotiations - 12 September 2022
- Commencement of the Services - 15 November 2022
- Contract completion by 15 July 2023 (8 months duration)

Estimated design budget is USD 550,000.

## **7. FINANCIAL REPORT**

See attached Financial Report, extracted from the PREPII 6 monthly Report.

## Financial Management

### Contract Register (formally called Commitment Register)

On the 5th of each month FM CIU issue an updated Contract Register. This register provides a summary of overall expenditure for each contract, and details of each individual payment made. This has been particular assistance in providing the PIU with up-to-date financial status.

The latest update has been provided to the PIU effective EOM September 2021

Annex 27 PREP II Project Commitment Register

### PREP II Budget

The updated budget now reflects the requirement to split the Budget according to the 45%/55% split between both the Original IDA funds and the GCF; and the Additional IDA funds and the GCF. The updated budget reflects the timing differences (relevant to when the different funds have become available to the project and to when the aforementioned stipulations are to become effective), system limitations (in both the GoRMI and Project accounting systems), and stipulations from both donors (World Bank and GCF) around total allocations, Component Totals, and the ability to vary the budget according to same.

The latest updated Budget was forwarded to the World bank on the 29th September for review and approval. The updated POM (section 7.6) has been revised with a section to assist with the review and update of the PREP II budget.

### Pacific Resilience Project II (PREP II) – Financial Report as of August 31, 2021

#### Grant Disbursements Cash Flow and Conversion

An additional XDR 11,200,000.00 was granted by World Bank through National IDA D5690 on April 24, 2020, which converts to USD 15,367,000.00. This has now been incorporated in project report attached with an updated budget proposed by the project team to the bank.

However, to-date only the National IDA D1830 grant has utilized for project expenditures. Withdrawals from this is used to replenish designated bank account and reimbursement to Government General Fund. Below shows the cash flow of the National IDA grant fund, including disbursements already completed:

	<u>Date</u>	<u>XDR</u>	<u>Conversion to USD</u>
Total Grant Awarded	9/1/2017	14,500,000.00	20,551,865.00
PPA Disbursement Refund*	9/1/2017	141,106.42	200,000.00
IDAD1830 No.1 Withdrawal (Project Designated Account Advance)	2/28/2018	345,807.77	500,000.00
IDAD1830 No.3 Withdrawal	12/19/2018	167,625.79	232,300.85
IDAD1830 No.4 Withdrawal	5/28/2019	265,532.64	265,532.64
IDAD1830 No.6 Withdrawal	7/9/2019	304,597.01	420,279.91
IDAD1830 No.7 Withdrawal	2/12/2020	324,857.59	445,142.61
IDAD1830 No.9 Withdrawal	9/10/2020	566,083.13	900,000.00
IDAD1830 No.10 Withdrawal	4/21/2021	<u>696,883.54</u>	1,000,000.00
Balance as of	2/28/21	<u>11,760,594.51</u>	16,750,144.34

\*This amount was advanced by World Bank to the project during preparation phase, which was subsequently refunded out of the project financing once it became effective.

Note: Withdrawal sequences No. 2, No. 5, and No. 8 were applications submitted in World Bank's FM System (Client Connection) to either report use of advance for a period that did not require any disbursement or has been canceled/deleted due to error. Therefore, no actual withdrawal of fund was associated.

Figures above only covers the national IDA D1830 grant with remaining XDR 12,457,478.05 as of August 30, 2021 converting to USD 16,750,144.34 after disbursements. Additional financing given by World Bank to the PREPII project effectively on June 3, 2020 is in the amount of XDR 11,200,000.00 converting to USD 15,951,712 as of August 30, 2021. Total remaining IDA funding for project is USD 32,701,856.34 plus the USD 25,000,000.00 from the Green Climate Fund, the total remaining project funding as of reporting date is USD 57,701,856.34. In the planned activities already budgeted for the project excluding actual expenditures to-date, still remains USD 56,128,431.94 of budgeted activities. If XDR exchange rate to USD continues to appreciate or be consistent with the current rate, the project could allocate more than USD 1.5 million funding for other project activities.

The PREP II Budget is currently under review by the World Bank, once approved CIU (FM) will initiate the next project withdrawal. It is estimated that this will occur in November 2021 and include the initial drawdown of GCF funding.

### **Project Activities and Expenditures**

Project activities incurring expenditures continues to come from Components 1, 2, and 4. The statement of expenditures for PREP II against the project available funding can be seen in the table in the next page. Total actual expenditures as of August 31, 2021 is USD 3,841,568.08.

One activity was committed during the period of this six-monthly report coming from Component 1, which is the Community DRM and Emergency Communications Training contracted with IOM-UN for USD500,000.

Outstanding commitments for ongoing activities can be seen in the table of the Statement of Expenditures. All other expenditures were from incremental operating costs to support project activities and other completed consultant contracts.

## Statement of Expenditures as of August 31, 2021 – Budget vs. Actual

	Current IDA	AF	Fin. Nat. IDA	GCF	TOTAL	Expenditures	%	Balance	Remaining Commitments	Available Balance
Component 1: Institutional strengthening, early warning and preparedness										
1.1 National										
1.1.1 Institutional Strengthening and central agency capacity building in risk governance	1,949,200.00	-	1,949,200.00	324,000.00	2,273,200.00	908,851.18	39.98%	1,364,348.82	350,348.82	1,014,000.00
1.1.2 Early Warning Communication Systems	135,100.00	850,000.00	985,100.00	1,000,000.00	1,985,100.00	55,842.50	2.81%	1,929,257.50	500,000.00	1,429,257.50
1.1.3 Develop a roadmap and implement priority improvements to modernize the NDMO	100,000.00	300,000.00	400,000.00	650,000.00	1,050,000.00	-	0.00%	1,050,000.00	-	1,050,000.00
1.2 Strengthen Adaptation Capacity	575,000.00	2,303,000.00	2,878,000.00	25,000.00	2,903,000.00	97,500.15	3.36%	2,805,499.85	269,379.85	2,536,120.00
<b>COMPONENT 1 TOTAL</b>	<b>2,759,300.00</b>	<b>3,453,000.00</b>	<b>6,212,300.00</b>	<b>1,999,000.00</b>	<b>8,211,300.00</b>	<b>1,062,193.83</b>	<b>12.94%</b>	<b>7,149,106.17</b>	<b>1,119,728.67</b>	<b>6,029,377.50</b>
Component 2: Strengthening coastal resilience planning										
2.1 National										
2.1.1 Priority coastal protection works investments including investigations, design, and c	10,961,022.00	10,000,000.00	20,961,022.00	19,477,930.00	40,438,952.00	928,622.25	2.30%	39,510,329.75	3,534,484.93	35,975,844.82
2.1.2 Improve and expand the coastal vulnerability assessment for Ebeye and Majuro	992,782.00	-	992,782.00	150,000.00	1,142,782.00	248,651.20	21.76%	894,130.80	344,130.80	550,000.00
<b>COMPONENT 2 TOTAL</b>	<b>11,953,804.00</b>	<b>10,000,000.00</b>	<b>21,953,804.00</b>	<b>19,627,930.00</b>	<b>41,581,734.00</b>	<b>1,177,273.45</b>	<b>2.83%</b>	<b>40,404,460.55</b>	<b>3,878,615.73</b>	<b>36,525,844.82</b>
Component 3: Contingency Emergency Response										
3.1 Contingency Emergency Response Component (CERC)	500,000.00	667,000.00	1,167,000.00	-	1,167,000.00	-	0.00%	1,167,000.00	-	1,167,000.00
<b>COMPONENT 3 TOTAL</b>	<b>500,000.00</b>	<b>667,000.00</b>	<b>1,167,000.00</b>	<b>-</b>	<b>1,167,000.00</b>	<b>-</b>	<b>0.00%</b>	<b>1,167,000.00</b>	<b>-</b>	<b>1,167,000.00</b>
Component 4: Project and Program management										
4.1 Project management for all nationally implemented activities, and collaboration wit	2,225,175.00	1,040,000.00	3,265,175.00	530,000.00	3,795,175.00	1,602,100.78	42.21%	2,193,074.22	167,988.35	2,025,085.87
4.2 CONTINGENCY	2,161,721.00	210,000.00	2,371,721.00	2,843,070.00	5,214,791.00	-	0.00%	5,214,791.00	-	5,214,791.00
<b>COMPONENT 4 TOTAL</b>	<b>4,386,896.00</b>	<b>1,250,000.00</b>	<b>5,636,896.00</b>	<b>3,373,070.00</b>	<b>9,009,966.00</b>	<b>1,602,100.78</b>	<b>17.78%</b>	<b>7,407,865.22</b>	<b>167,988.35</b>	<b>7,239,876.87</b>
<b>GRAND TOTAL</b>	<b>19,600,000.00</b>	<b>15,370,000.00</b>	<b>34,970,000.00</b>	<b>25,000,000.00</b>	<b>59,970,000.00</b>	<b>3,841,568.06</b>	<b>6.41%</b>	<b>56,128,431.94</b>	<b>5,166,332.75</b>	<b>50,962,099.19</b>

### **Grant Disbursement Projections**

Using project details available and budget for each project activity, disbursement of grant funds has been projected monthly for the next year as shown below in USD:

August 2021	442,111
September 2021	1,152,829
October 2021	1,236,268
November 2021	1,236,268
December 2021	724,269
January 2022	1,136,768
February 2022	650,139
March 2022	491,390
April 202	1,111,991
May 2021	352,614
June 2021	366,317
2022 – 2023	19,243,912
2023 – 2024	28,48,361

Projections above for the next year have reflected the adjustments in planned effectivity of project activities.