

## QUARTERLY PROGRESS REPORT Q2 2023 (APR-JUN 2023)

**PROJECT TITLE:** Enhancing Disaster and Climate Resilience in the Republic of Marshall Islands through improved Disaster Preparedness and Infrastructure

**PROJECT NUMBER:** 00115304

**Applicable Output(s) from the Multi Country Programme Document (MCPD) (2023-2027):**

- Cooperation Framework Outcome involving UNDP #1: By 2027, people, communities and institutions are more empowered and resilient to face diverse shocks and stresses, especially related to climate variability impacts and ecosystems and biodiversity are better protected, managed and restored.
- Related Strategic Plan Outcome: Resilience built to respond to systemic uncertainty and risk
- Output 1.2: Governance systems are risk-informed to manage and finance disasters and shocks

**Gender Marker:** GEN2 (Gender equality as a significant objective)

**PIMs ID Number:** N/A

**Implementing Partners:** UNDP (Direct Implementation Modality)

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**PART 1: DESCRIBE THE KEY ACTIVITY RESULTS ACHIEVED IN THIS QUARTER:**

- As of 30 June, the Emergency Operation Center in Ebeye is under construction to enhance disaster preparedness capacity in Ebeye and surrounding communities. The following has been achieved (Activity 2.2):
  - o UNDP and MoWIU mobilized engineers to Ebeye. The contractor mobilised its team and equipment at site.
  - o Fencing of construction site and construction of site office and workshops completed.
  - o Pipes and fittings, cement, sand, gravel, and rebars have been delivered at site.
  - o Demolition of concrete structures and relocation of utilities completed.
  - o Earthwork in excavation in foundation, concreting on foundation footings, beams on grade, back filling up to bottom of beam on grade and block wall up to grade on slab at ground level completed.
  - o Waterproofing and tanking inside the building completed.
  - o Procurement and delivery of materials is continuing.
- Procurement of equipment after the cancellation of EOC Majuro is in progress in order to strengthen disaster communication and disaster readiness capacity. (Activity 1.4 and 2.3).
  - o PO issued: Submersible and aerial drones, Back-up generators, Pick-up truck, Furniture for Ebeye, Water trucks
  - o Obtaining quotes: ICT equipment for Ebeye, Furniture for Majuro

- Specification to be finalized: ICT equipment for Majuro

**RESULTS RESOURCE FRAMEWORK QUARTETLY PROGRESS** (\*\*In some projects, Outputs in Project Documents are equivalent to Activity Results level in ATLAS)

EXPECTED ATLAS ACTIVITY RESULTS	ACTIVITY INDICATORS	RESULTS	BASELINE	ANNUAL TARGETS	OUTPUTS INDICATORS RESULTS	EVIDENCE (SOURCE, LINK)
<b>Output 1</b> Strengthened gender sensitive disaster communication and climate and inundation monitoring Systems GEN 2	<b>1.1</b> # of islands with upgraded (i.e. redundancy, marine grade, energy efficient, gender sensitive) climate and tsunami early warning system installed and operational		0	9	<b>1.1:</b> 0 [Buoys were shipped to Majuro, awaiting for the confirmation of bathymetry data for deployment]	
	<b>1.2</b> # of men and women with access to early warning information through the upgraded gender sensitive disaster communications, climate and tsunami early warning systems		0	54,705 <i>Projection 2019 (from Census 2011)</i>	<b>1.2:</b> 0	
<b>Output 2</b> Enhanced national and state disaster responders readiness capacity and better resourced to minimise loss of lives and damages GEN 2	<b>2.1</b> Scale (%) of upgrading of the National Emergency Operational Centre with appropriate infrastructure and equipment to facilitate information management and effective coordination		0	100%	<b>2.1:</b> [46.7% [EOC is under construction.] <b>2.2:</b> 0 [EOC is under construction.]	- <a href="#">Tender document</a> - Monitoring reports
	<b>2.2</b> # staff and members of the Emergency Operational Centre and Disaster Management Team have improved their capacities in information management and coordination (equipment and gender sensitive guidelines)		0	20 <i>(Women=8)</i>		
	<b>2.3</b> # men and women benefitted from the improved disaster preparedness in water sector		0	32,398 <i>(16,417 men and 15,981 women)<sup>1</sup></i>	<b>2.3:</b> 0 [Procurement is in progress]	

**PART 2: PLANNED ACTIVITIES FOR NEXT QUARTER**

Activity 1.1: Install chatty beetles

- Receive chatty beetles from the University of Hawai'i.
- Transport chatty beetles and provide trainings at outer islands.

<sup>1</sup> to be adjusted after consultations with MWSO and KAJUR

Activity NWSO to verify the potential location of waverider deployment in South of Kwajalein.

- NWSO and UH to deploy a waverider.
- Amend the LOA to include additional funds for additional procurement of equipment.

Activity 1.4: Provide communication equipment for disaster preparedness and response

- Issue POs for ICT equipment for EOC Ebeye and Majuro.
- Organize a training for drones.
- Confirm timeline of FM transmitter and obtain approval from the Government of Japan if the procurement can be completed before the project closure.

Activity 2.2: Construction of EOC in Ebeye

- Monitoring of the construction progress
- Completion of back filling and compaction on the ground floor.
- Completion of block walls on both floors.
- Completion of DPC, waterproofing and tanking.
- Casting of concrete staircase, slabs on both floors including fixing of formworks and arrangement of steel bars.
- Fabrication and installation roof frame and roof covering.
- Installation of doors and windows
- Rough-in of electrical, mechanical and plumbing works.
- Ceiling work in ground floor.
- Procurements and delivery of materials will continue.

Activity 2.3: Supply and upgrade critical infrastructure and equipment for emergency response and preparedness

- Monitor manufacturing process for generators, water trucks, pick-up trucks, furniture for EOC Ebeye.
- Issue PO for EOC Majuro.
- Organize trainings for generators and water trucks.

### PART 3: PARTNERSHIP

Implementing Partner (IP) and Focal Point Contact (Title, email, fax, phone, address)	Type of Partnerships/Role	Duration of Partnership	Progress of Deliverables from Partnership (**)
Kino Kabua Office of the Chief Secretary to the President, Majuro Chief Secretary Email: <a href="mailto:dcskabua.rmi@gmail.com">dcskabua.rmi@gmail.com</a>  Office telephone: 692-625-3234 Fax:	<ul style="list-style-type: none"> <li>- Lead the overall intervention and responsible for strategic oversight</li> <li>- Member of Project Board</li> </ul>	Whole project	

692-625-7393			
<p>Catalino Kijiner Office of the Chief Secretary to the President, Majuro Deputy Chief Secretary for Physical, Environment &amp; NDMO Email: <a href="mailto:dcskijiner.rmi@gmail.com">dcskijiner.rmi@gmail.com</a></p> <p>Office telephone: 692-625-3234 Fax: 692-625-7393</p>	<ul style="list-style-type: none"> <li>- Lead the overall intervention</li> <li>- Member of Project Board</li> </ul>	Whole project	
<p>Abacca Anjain-Maddison Office of the Chief Secretary to the President, Ebeye, Kwajalein Deputy Chief Secretary for Social, Justice &amp; Culture Email: <a href="mailto:dcsanjainmaddison.rmi@gmail.com">dcsanjainmaddison.rmi@gmail.com</a></p> <p>Office telephone: 692-329-6074</p>	<ul style="list-style-type: none"> <li>- Lead the overall intervention</li> <li>- Member of Project Board</li> </ul>	Whole project	
<p>Ishidore Robert National Disaster Management Office Director <a href="mailto:ndmo.ishidore@gmail.com">Email:ndmo.ishidore@gmail.com</a></p> <p>Office telephone: 692-625-5181 Fax: 692-625-6074</p>	<ul style="list-style-type: none"> <li>- Lead coordinator for overall intervention</li> <li>- Member of the Project Board</li> <li>- Implementing partner for EOC and telecommunication improvement</li> </ul>		
<p>Reginald White National Weather Service Office Director NOAA Affiliate Email: <a href="mailto:reginald.white@noaa.gov">reginald.white@noaa.gov</a></p> <p>Office telephone: 692-247-5705 Fax: 692-247-3078</p>	<ul style="list-style-type: none"> <li>- Implementing partner for the NWSO improvement</li> <li>- Member of Project Board</li> </ul>	Whole project	
<p>Tommy Kijiner National Telecommunication Authority Chief Executive Officer Email: <a href="mailto:tkijiner@minta.mh">tkijiner@minta.mh</a></p> <p>Yoshi Kaneko National Telecommunication Authority Chief Operations Officer Email: <a href="mailto:ytkaneko@minta.mh">ytkaneko@minta.mh</a></p> <p>Office telephone: 692-625-3852 Fax: 692-625-3618</p>	<ul style="list-style-type: none"> <li>- Facilitate the land for the construction of the NEOC</li> <li>- Counterpart for the construction of the ministerial back-up information centre</li> <li>- Members of Project Board</li> </ul>	Whole project	
<p>Anjojo Kabua III Kwajalein Atoll Development Authority Director Email: <a href="mailto:jimikekabua@gmail.com">jimikekabua@gmail.com</a> Cell phone: 692-235-5634</p>	<ul style="list-style-type: none"> <li>- Counterpart for the construction of the GOB/EOC Ebeye</li> </ul>	Whole project	

Ariston Santiago Kwajalein Atoll Development Authority Chief Engineer Email: <a href="mailto:aqsantiago0222@yahoo.com.ph">aqsantiago0222@yahoo.com.ph</a>	- Members of Project Board		
Noriyuki Nakamura Embassy of Japan First Secretary Email: <a href="mailto:noriyuki.nakamura@mofa.go.jp">noriyuki.nakamura@mofa.go.jp</a>  Office telephone: 692 625-3311	- Donor representatives in RMI	Whole project	
Jefferson Barton Ministry of Public Works, Infrastructure & Utilities Permanent Secretary Email: <a href="mailto:secwiubarton.rmi@gmail.com">secwiubarton.rmi@gmail.com</a>  James Myazoe PMU Manager Email: <a href="mailto:vinnymyazoe@gmail.com">vinnymyazoe@gmail.com</a>  Melvin Dacillo Email: <a href="mailto:architectpmurmi2005@gmail.com">architectpmurmi2005@gmail.com</a>  Albert Collantes Email: <a href="mailto:albert_collantes73@yahoo.com.ph">albert_collantes73@yahoo.com.ph</a>  Office telephone: 692 625-8911 / 8931	- Counterpart for the construction activity - Members of Project Board	Whole project	
Damien Capelle Majuro Water & Sewer Company General Manager Email: <a href="mailto:mwsc.generalmanager@gmail.com">mwsc.generalmanager@gmail.com</a>	-		
Mr. Joseph Pedro Kwajalein Atoll Joint Utilities Resources General Manager Email: <a href="mailto:jpedro@kajur.net">jpedro@kajur.net</a>	-		

#### PART 4: RISK and ASSUMPTIONS

Update the **Risk Log** on this section.

Risk	Mitigation Action	Timeframe	Mitigation Action Progress
Construction of GOB/EOC/Warehouse will be delayed due to local hurdles in acquiring permits and approvals	Strong existing and new partnerships with organisations that are on the ground and have the experience and connections	Whole project duration	The land tenure issue was resolved both for Majuro and Ebeye in January 2020. The board agreed that the current plan for Ebeye EOC would be implemented without change to

			minimize the possibility of further delays.
Funds to support the construction of one GOB/EOC in Ebeye are insufficient	Additional funds to be sought to complete the construction of the GOB/EOC facility	Whole project duration	<p>[Updated in Sep 2021] There is a huge gap between the bid offers and the budget. Raw materials, shipping cost and labour cost have been increasing due to the COVID-19 pandemic. UNDP and MoWIU are re-working the scope of work and specification of 2 EOCs and determine if the available budget is feasible for the construction of 2 EOCs.</p> <p>[Updated in June 2022]</p> <p>Due to the insufficient funds to construct 2 EOCs, the cabinet decided to proceed with construction of EOC in Ebeye and cancel the EOC in Majuro.</p>
Natural Disasters in the North Pacific	Preparedness activities will need to be activated and cease project implementation in the event of warnings issues by the National Disaster Management Office (NDMO). The intention is to avoid loss of life, damage to project assets and residual unforeseen circumstances.	Whole project duration	Project continues monitoring the situation.
Engagement and coordination within RMI and Development Partners	Consultation space need to be very open, frank and accommodative being mindful of the parameters of the funding modality, contingencies and allow room for flexibility.	Whole project duration	The project shares monthly progress and communicate with the counterparts and development partners.
Availability of Equipment from Suppliers and procurement delays	Mapping of preferred supplies and/or existing suppliers and internal arrangements can still be made based on best practises consistent with UNDP Procurement guidelines.	Whole project duration	[Updated in Sep 2021] Longer construction duration is required due to the longer lead time required for importing the materials and lack of skilled labours in the country impacted by the COVID-19.
Staff Turnover	Need to ensure at least three or four personnel from the relevant government line Ministries are part of the project design, conceptualisation and implementation for ownership and sustainability purposes.	Whole project duration	Need to ensure at least three or four personnel from the relevant government line Ministries are part of the project design, conceptualisation and implementation for ownership and sustainability purposes.
Logistics challenges (e.g. disease epidemic, land tenure issues)	Preparedness on preventive/containment measures and consultation with key stakeholders	Whole project duration	Please see the last risk related to COVID-19.

Inadequate early warnings system do not reach the potential affected communities	Integration of the equipment to be provided into the efforts of the communication cluster and other entities with presence at community level (e.g. Min. Education and Health, WUTMI, Red Cross)	Whole project duration	The project also coordinates with other partners (such as WB or WFP).
Population affected by human rights violations and environmental degradation	Proper training of all partners and contractors	Whole project duration	Project continues monitoring the situation.
<b>NEW RISK added in Feb 2020]</b> Ongoing Covid-19 pandemic creates huge risk on travel, trade and supply of goods and services which affects project implementation.	UNDP will intensify monitoring of ongoing activities, maximize use of virtual meetings and increase coordination with suppliers and potential bidders.	From February 2020	Please see the last risk related to COVID-19.
<b>[NEW RISK added in Feb 2021]</b> Disposal of hazardous materials during demolition of existing building	UNDP requested the RMI government to provide a report to make sure that there is no hazardous material.	Whole project duration	KADA confirmed that no asbestos was found in the old KALGOV building.

### Activities (to be) affected by the COVID-19

Activity	Challenges caused (will be caused) by COVID-19
Chatty Beetles/Waverider (Activity 1.1 and 1.2)	<ul style="list-style-type: none"> <li>NWSO and UH are fully engaged to COVID19 response which caused further delay of implementation.</li> <li>The 5th board meeting held in October 2020 requested NWSO to follow up with the UH to accelerate the process.</li> <li>It was agreed that NWSO would finalize the agreement by March 2022 during the 8th board meeting held in December 2021.</li> <li>The agreement between NWSO and UH was concluded in June 2022.</li> <li>[Updated Sep 2022] The first COVID-19 cases was announce in 8 Aug 2022 in RMI. Travel restriction to some atolls was imposed which will cause delay in dispatching mission to install chatty beetles. The Project will closely monitor the situation.</li> </ul>
Construction of EOCs in Majuro and Ebeye (Activity 2.1 and 2.2)	<p><b>A&amp;E Design:</b></p> <ul style="list-style-type: none"> <li>During the evaluation stage, additional time was spent to make clarification and evaluate on the risk mitigation plan caused by travel restriction.</li> <li>Considering the travel restriction imposed, the project implemented the design work remotely without having the missions by the consulting firm to be appointed in order to expedite the implementation.</li> <li>MoWIU has provided local information to the design company</li> </ul> <p><b>Construction:</b></p>

	<ul style="list-style-type: none"> <li>• We experienced less interest from potential companies to participate in the tender. 3 companies mentioned that they did not participate in the tender due to the current workload, shortage of manpower and the risk during the project execution. Based on this, a detailed local construction market analysis focusing on the COVID19 impact was conducted in cooperation with MoWIU.</li> <li>• There was a huge gap between the bid offers and the budget. Raw materials, shipping cost and labour cost have been increasing due to the COVID-19 pandemic. Additional process of value engineering was required which took more time and cost.</li> <li>• For example, timber/lumber cost was increased by 300%, and other construction materials were also increased by 30-40% in average. Unavailability and frequent shortage also caused extra price increases; for instance, RMI has recently experienced shortage of cement and prices has gone up sharply. Shipment cost and lead time has also increased by around 100% compared to pre-COVID. Mandatory procedure for cargo ships quarantine entering RMI also caused additional cost increase. Shortage of labour has also affected the construction cost. Labour cost has increased by average \$2-3 per hour. Due to the small population, RMI is relying on specialist and skilled workers abroad such as Philippines, Fiji and other Pacific countries. However, it is not possible to bring new manpower from abroad and the contractors are required to retain current labour by motivating them with extra bonuses and increased salaries.</li> <li>• In addition, bidders were not able to meet the required contract duration because of the shortage of manpower and longer lead time for shipment.</li> <li>• Construction work may be delayed further due to the limited supply-chain and travel restrictions.</li> <li>• Construction was only possible for Ebeye EOC due to the increase of the cost after two tender processes.</li> </ul> <p><b>Supervision:</b></p> <ul style="list-style-type: none"> <li>• Recruitment of an engineer (international) by MoWIU was delayed due to the travel restrictions. Existing MoWIU staff has been playing the supervisory role until an engineer is recruited. Engineer was recruited in March 2022.</li> </ul>
<p>UNDP RMI team composition</p>	<ul style="list-style-type: none"> <li>• UNDP Project staff including Country Project Coordinator (CPC) left an organization due to the changing work environment and COVID-19 situation at home.</li> <li>• UNDP held recruitment process of CPC due to the travel restrictions since the previous CPC's departure in March 2020. Instead, the project engaged a consultant as home based.</li> <li>• A new Procurement Specialist was replaced in February 2021 (home based awaiting for travel to FSM).</li> <li>• UNDP recruited a full-time engineer from 15 April. Assignment travel has been delayed due to the changing situation of the COVID-19 (both country of origin (Nepal) and transit (Fiji)). He arrived RMI in August 2021.</li> </ul>

**PART 5: KNOWLEDGE MANAGEMENT AND COMMUNICATION**



## Project Inception Board Meeting

### Marshall Islands Journal

is all suspended for probation. High Court Judge Witten Philippo said the probation conditions include that Lanki "cause to be

be of good behavior during the 12-month probation period, pay a fine of \$1,000 and not leave Majuro without court approval.

# Climate project launched

The UNDP Pacific office, along with the RMI government, will conduct a project inception meeting and convene its first board meeting in Majuro this Friday for the \$7.4 million Disaster Risk Management project, funded by Japan through its Supplementary Budget program.

Through the UNDP – Japan Partnership Fund, RMI was awarded US\$7.4 million for the implementation of the Disaster Risk Management project, "Enhancing Disaster and Climate Resilience through improved Disaster Preparedness and Infrastructure," to be implemented in RMI.

The project aims to improve RMIs ca-

capacity for preparedness and mitigation to geo-physical and climate related hazards; and enhance resilience to climate change impact in order to protect lives, sustain livelihoods, preserve the environment and safeguard the economy from consequences of different hazards.

The project will be directly implemented by UNDP Pacific office in Fiji. The project inception meeting is at Marshall Islands Resort this Friday. The RMI along with FSM and Palau are recipients of the UNDP-Japan grant implemented by UNDP. The project commenced in March 2019 and will end on March 2020.

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### UNDP Twitter:

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<https://twitter.com/PaulaCirikiyas3/status/1167197403583115265>

<https://twitter.com/PaulaCirikiyas3/status/1159958867620454401>

[https://twitter.com/UNDP\\_Pacific/status/1191879532409581569](https://twitter.com/UNDP_Pacific/status/1191879532409581569)

[https://twitter.com/UNDP\\_Pacific/status/1289006337314103297](https://twitter.com/UNDP_Pacific/status/1289006337314103297)

### UNDP Facebook

**UNDP in the Pacific**  
September 5, 2019

Enhancing disaster and climate resilience in the Republic of Marshall Islands, the Republic of Palau and the Federated States of Micronesia is a key objective of the new Japan-funded project implemented by the UN Development Programme.

Over 72-thousand people in RMI will benefit from the project outcomes of a strengthened disaster communication and climate and inundation monitoring system, an enhanced national disaster responder's readiness capacity, and better resources to minimise loss of lives and damages.

The Project will respond to Outcome 1 of the UN Pacific Strategy 2018 – 2022: by 2022, people and ecosystems in the Pacific are more resilient to the impacts of climate change, climate variability and disasters, and environmental protection is strengthened.

This cooperation with the Government of Japan will contribute to achieving the goals of the Sendai Framework for Disaster Risk Reduction.

#disasterresilience #Japan



**UNDP in the Pacific**  
1 hr

The Republic of the Marshall Islands is taking a number of steps to increase safety measures during a time of disaster, protect natural ecosystems and restore community livelihoods. First through data recorded in Waverider Buoys, which is a floating recording device that provide critical data on oceanographic measurements and predict wave patterns and erosion through storm damage. Second is the construction of a new Emergency Operation Centre in Majuro and third, is getting small portable satellite terminals called Chatty Beettes that allow remote communities without access to internet and telecommunications, to send text-based alerts and messages to the main island when a disaster strikes. These developments are part of the Enhancing Disaster and Climate Resilience in RMI Project, and were part of its recent board meeting discussions. The project is being implemented by UNDP in partnership with the Government of RMI and funding from the Government of Japan.

#RMI #DisasterPreparedness #ClimateResilience Ministry of Foreign Affairs of Japan



## Ebeye EOC Ground-Breaking Ceremony (Dec 2022)

UNDP Press Release: <https://www.undp.org/pacific/press-releases/emergency-operation-center-ebeye-support-emergency-response-capacity-marshall-islands>

RMI OCE Ebeye Facebook:

<https://www.facebook.com/OCS.Ebje/posts/pfbid06ENDY9bvZRW1CqxPBwG88NvtfYxr61fNWN4AhtEEwWMSPanx3HmoWmsYx56VDMYBI>

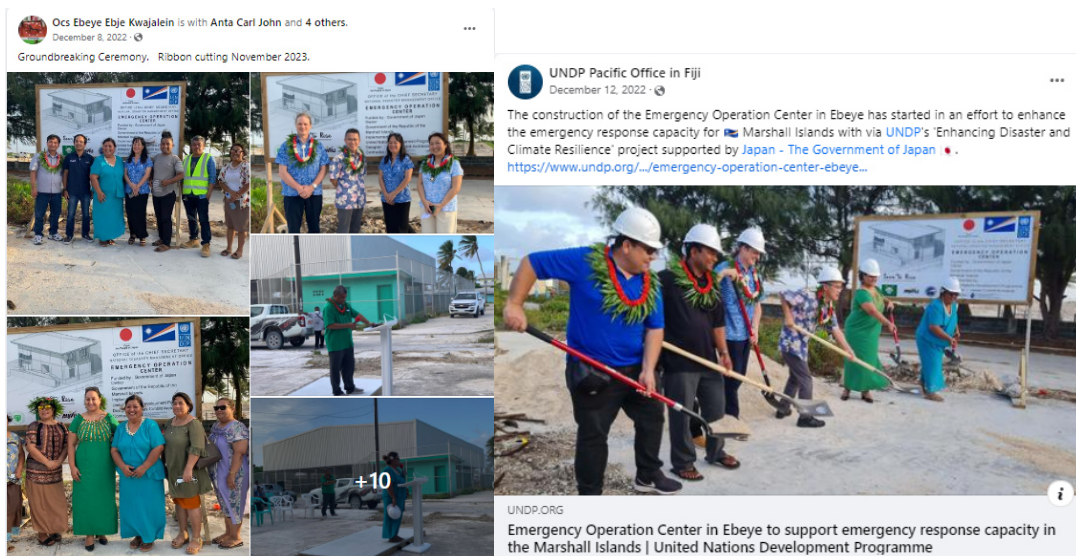
UNDP Facebook:

<https://www.facebook.com/UNDP.Pacific/posts/pfbid02gPJaPx25oqo7roB3Ny9Q7m9i257whwh eZ5oEPhN9SRi1xPSksiz4MGwCDHTaPkQjl>

UNDP Twitter: [https://twitter.com/UNDP\\_Pacific/status/1602164033829842945](https://twitter.com/UNDP_Pacific/status/1602164033829842945)

Embassy of Japan in RMI:

[https://www.facebook.com/permalink.php?story\\_fbid=pfbid02y7SYDR9jXqDBAmuCuT3qPNkN4nwB7cSbQEdYNTVaas3eXa2g3HVngAkE7HJFzaVgl&id=100064354674958](https://www.facebook.com/permalink.php?story_fbid=pfbid02y7SYDR9jXqDBAmuCuT3qPNkN4nwB7cSbQEdYNTVaas3eXa2g3HVngAkE7HJFzaVgl&id=100064354674958)





在マーシャル日本国大使館 Embassy of Japan in the Republic of the Marshall Islands

December 14, 2022 · 🌐

平成30年度補正予算UNDP経由による災害対応・防災分野支援（イバイ緊急オペレーションセンター起工式）

Support for enhancing Disaster Response Capacity in partnership with UNDP by Japan's supplementary budget in FY 2018 (Ground breaking ceremony of Emergency Operation Center in Ebeye)

On December 6, 2022, the ground breaking ceremony for the Emergency Operation Center in Ebeye was held under the Project for Enhancing Disaster and Climate Resilience in the Republic of the Marshall Islands through Improved Disaster Preparedness and Infrastructure, in partnership of UNDP, which was funded by Japan's supplementary budget for FY 2018.

The ceremony was attended by Honorable Kitiang Kabua, Minister of Foreign Affairs and Trade, Ms. Abacca Anjain- Maddison, Deputy Chief Secretary and Mr. Kevin Petrini, Deputy Resident Representative and Country Manager for the UNDP Pacific Office, as well as officials from RMI Government and UNDP, and Mr. NAKAMURA Noriyuki, First secretary from the Embassy of Japan in RMI.

This groundbreaking ceremony is one of the great progress for this project, and we would like to thank all concerned for their efforts over the years.

12月6日、我が国の平成30年度補正予算によるUNDPを通じた「災害対応能力及びインフラの改善を通じた災害及び気候変動への強靱性強化プロジェクト」によるイバイ島における緊急オペレーションセンターの起工式が執り行われました。

同式典には、キトラン・カプア外務・貿易大臣、アバッカ・マディソン官房副長官、ケビン・ペトリニUNDP太平洋事務所次長兼ミクロネシア地域担当カントリーマネージャのほか、マーシャル政府及びUNDP関係者等が出席し、当館からは中村書記官が出席しました。

本件起工式は本プロジェクトにとって大きな進捗の一つであり、これまでの関係者のご尽力に感謝いたします。

## PART 6: KEY LESSONS LEARNT AND CHALLENGES

- All meetings during the project planning phase should be minuted and the minutes of meeting shared with all stakeholders to confirm the agreements on project activities to avoid changes later.
- The Project timeframe should be decided with due consideration to the constraints in the country of implementation.
- All the project costs should be accurately budgeted in the AWP.
- It is important to hold pre-bid meetings in order to ensure obtaining required documentations from the potential bidders.
- For the project implementation, it is important to assess the required information available to start the activities so that we could estimate the realistic timeline and include necessary actions to obtain information. Required bathymetry information is not available, it took extra time to identify the location of waverider buoy.

## PART 7: SUSTAINABILITY AND SCALING UP

Regarding sustainability of the infrastructure, the following factors should be considered ahead of its operational phase for the smooth operation of the facilities.

- A responsible institution to take care of the facilities.
- Assurance of availability of technical service within the reach of the institution to maintain it.
- A regular source of income/fund to pay for the maintenance.

A sustainability plan has been prepared by MoWIU.

## PART 8: QUARTERLY FINANCIAL REPORT

	Funding Sources	2019 (USD)	2020 (USD)	2021 (USD)	2022 (USD)	2023* (USD)	Total (USD)
O1- Strengthened disaster communication and climate and Tsunami monitoring systems	GOJ	46,736	238,388	53,331	9,928	17,773	366,155
O2- Enhanced national and state disaster responders readiness capacity and better sourced to minimise loss of lives and	GOJ	90,878	315,753	333,618	132,266	302,137	1,174,652
O3- Program Management Unit	GOJ	387,301	306,733	209,660	41,283	52,819	997,795
	UNDP (TRAC 1)				73,903		73,903
	UNDP (TRAC 2)	0	0	7,167	20		7,186
<b>Total Expenditure</b>		<b>524,915</b>	<b>860,873</b>	<b>603,776</b>	<b>257,399</b>	<b>372,728</b>	<b>2,619,692</b>
- Funded by GOJ		524,915	860,873	596,609	183,477	372,728	2,538,602
- Funded by UNDP		0	0	7,167	73,923	0	81,089

\* Tentative figure retrieved from Quantum on 06 August 2023

## PART 9: LIST OF EVIDENCE PROVIDED AS ANNEX

- Annex 1: Monthly Progress Reports (April – June 2023)


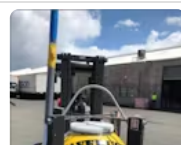


# Enhancing Disaster and Climate Resilient in the Republic of the Marshall Islands

## Monthly Update



### EDCR RMI Monthly Update April-May 2023

Output	Activities	Activity Details	Status as of April 2023	Status as of May 2023	Next Action	Pictures
Output 1	1.1 Install inundation and tsunami and multi-hazard warning redundancy and climate data conduit through <b>Chatty Beetles</b> in 9 locations with 3 spares	<p>Chatty beetles are still the most reliable mean of communication with the outer islands. The possibility of sending warning sound alarm and text messages through satellite signal complements the HF/VHF communication and allow redundancy.</p> <p>9 Location: (to be stored at the weather stations)</p> <p>1) Ujae 2) Lae, 3) Wotho, 4) Likiep, 5) Ailuk, 6) Mejit, 7) Maloelap, 8) Aur, 9) Namu (changed from Arno), 10-12 Spare</p>	<ul style="list-style-type: none"> <li>NWSO has still been waiting from the University of Hawaii to ship chatty beetles.</li> </ul>	<ul style="list-style-type: none"> <li>NWSO has still been waiting from the University of Hawaii to ship chatty beetles.</li> <li>During the Board meeting held on 5 May, NWSO Director mentioned that they would target completing this activity by July by using the available spare chatty beetles.</li> </ul>	<ul style="list-style-type: none"> <li>Follow up with the shipment of chatty beetles.</li> </ul>	
Output 1	1.2 Provide 2 <b>Wave-Riders</b> that will support wave modelling and Boaltimo	<p>Considering their proximity to the coast lines, the Waverider Buoys will enable NWSO to plan and predict level of erosion and salt water intrusion through storm damage and tsunami wave on coastal</p>	<ul style="list-style-type: none"> <li>MIMRA shared their boat information where bathymetry equipment will be mounted once procured</li> </ul>	<ul style="list-style-type: none"> <li>KPMG who is conducting HACT Micro Assessment for NWSO mentioned that they can only dispatch a mission to collect missing information</li> </ul>	<ul style="list-style-type: none"> <li>KPMG to dispatch a mission to finalize the HACT Micro Assessment.</li> </ul>	

real-time inundation forecasting and warning for coastal communities and long-term oceanographic measurements in strategic and vulnerable locations.

damage and tsunami wave on coastal areas; and to make decisions oriented to the protection of natural ecosystems.

Location:

1. South of Jaluit, or
2. North East of Kwajalein (pending subject to the budget availability)
3. Spare

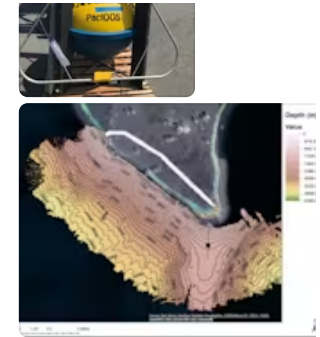
procured.

- HACT Micro Assessment which has been conducted since Oct 2023, NWSO, UNDP and third Party (KPMG) who is assessing agreed to dispatch a mission to collect missing information.


collect missing information from 1 June. NWSO Director assured supports during their mission.

- Depending on the assessment results, the project activity would need adjustment.
- During the Board meeting held on 5 May, NWSO Director mentioned that the deployment of a wave rider buoy would be completed by July.

- NWSO will send an official request to MIMRA for using their boat for verification of potential deployment location of waverider buoy in South of Kwajalein and actual deployment.
- Dispatch a mission to Kwajalein to verify the site of potential deployment.
- Target for deployment of a buoy would be June 2023 (during the calm sea).
- PacIOOS to design and build the mooring system for deployment once the potential location is verified.



Output 1	1.3 Link the Northern Meteorological Offices with HF radio as per Pacific Island Communication and Infrastructure (PCI) Panel Workplan 2019	Activity was cancelled as per Project Board decision.	Cancelled	Cancelled	<ul style="list-style-type: none"> <li>• No action is required.</li> </ul>
Output 1	1.4 Provide appropriate and improved disaster	The project will provide the National EOC with the required equipment for information management, monitoring and	Drones (Majuro & Ebeye) <ul style="list-style-type: none"> <li>• UNDP obtained quotes</li> </ul>	Drones (Majuro & Ebeye) <ul style="list-style-type: none"> <li>• UNDP adjusted quotes based</li> </ul>	<ul style="list-style-type: none"> <li>• Issue POs for Drones</li> <li>• Obtain quotes from</li> </ul>

	<p>preparedness and response communication and other equipment to GOB/EOC.</p>	<p>coordination. This may include: computers and software, multimedia equipment, communication equipment (telephone, WIFI and fibre optic, if possible).</p> <p>HF/VHF, Furniture, equipment for national EOC HF/VHF radios</p>	<p>or drones for Ebeye and Majuro EOC, pending discussion about the on-site training.</p> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>Spec was finalized, waiting for obtaining quotes.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>Initial request was received, awaiting for detailed information from NDMO.</li> </ul>	<p>on the discussion with WB PREP II project.</p> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>UNDP has obtained quotes from the LTA holders and had a clarification session with Wesley, OCS Ebeye.</li> <li>As the procurement process was not successful, UNDP will request for quotes again.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>UNDP discussed with NDMO and World Bank PREPP II project to finalize the items to procure for ICT equipment for Majuro.</li> </ul>	<ul style="list-style-type: none"> <li>Obtain quotes from the potential supplier for ICT equipment.</li> </ul>	
Output 2	<p><b>2.1 Construct NDMO centre</b> (including NEOC and a disaster warehouse) facility in Majuro that meets disaster preparedness, international and functional standards</p>	<p>A new building will be constructed for the Emergency Operations Centre (EOC) in a two-story building. A warehouse will be accommodated on the ground floor (containing 2-3 level steel storage racks and storage room for chemicals), while the second floor will be used for office rooms (EOC management, information management, logistics and communication) and conference room. Facilities such as generator, fuel storage, potable water storage and water treatment plant will be accommodated on the ground floor. In addition, a separate building will be constructed in addition to the EOC as a back-up information centre for the whole of government. since the National Telecommunication Authority (NTA) has provided the land for these facilities.</p>	<ul style="list-style-type: none"> <li>This activity was cancelled.</li> </ul>	<ul style="list-style-type: none"> <li>This activity was cancelled.</li> </ul>	N/A	
Output 2	<p><b>2.2 Support construction of one GOB/EOC in Ebeye</b> including</p>	<p>Considering the appalling conditions of the government building in Ebeye, a new facility will be constructed to accommodate public servants. In case of</p>	<p>Progress for the month of April 2023:</p> <ul style="list-style-type: none"> <li>Of the total 69 submittals approved</li> </ul>	<p>Progress of the month of May 2023:</p> <ul style="list-style-type: none"> <li>A total of 81 submittals have been approved so far Among</li> </ul>	<p>Next action for the month of June 2023:</p> <ul style="list-style-type: none"> <li>Submittals for the remaining materials</li> </ul>	

feasibility option, design and technical file preparation, and finalize construction subject to availability of funds and Government of Japan approval

disasters, this building will be used as an Emergency Operations Centre. The building will be constructed in an area of 2,907 sqft. in two storeys. The ground floor will be used as an evacuation centre and for distribution of humanitarian assistance. The second floor will be used for the Deputy Chief Secretary Office and the disaster management team.

submittals approved, 19 were approved in April 2023.

- PVC pipes and fittings have been delivered at site.
- A ship has been loaded with gravel, sand and equipment at Majuro port to send to Ebeye.
- Demolition of structure at construction has been completed.
- Relocation of utilities under the construction site completed.
- Excavation of earth up to the formation level of the building completed.
- Trial Test of SL cement completed

been approved so far. Among them 12 submittals have been approved in May.

- 60 CY of sand and grave(each), cement 4,000 bags (20kg/bag), Cement blocks 11,200 pcs, Silkaflex and joint tape, Fosroc primer, and Waterproofing materials have been delivered at site.
- Form works, rebars and concrete pouring on Foundation footings completed.

remaining materials including RFA.

- Obtain the remaining permits.
- Procurement and delivery of construction materials at site.
- CHB wall construction up to plinth level.
- Back filling in foundation and below slab on grade.
- Formworks for columns & tie beams.
- Fabrication of rebar for columns, beams and slab.
- Pouring of concrete on beams and slab on grade.



Output 2 2.3 Supply and upgrade critical infrastructure and equipment for emergency response and preparedness

Procure followings:

- Furniture and fixtures for Majuro/Ebeye EOC
- Backup generators for MWSC
- Water trucks for MWSC and KAJUR
- Utility (pick-up) truck for Ebeye NDMO

Generator:

- Change of order after requested after MWSC confirmed the voltage of the pumps. Supplier has reverted and the quotes were revised.

Pickup trucks:

- Second tender was issued from 3-21 Apr.

Furniture Ebeye:

- PO has been issued. Estimated Ex-factory date is end of Jun

Generator:

- Revised PO was issued. Estimated date of ex-factory is Oct-Nov 2023.

Pickup trucks

- the 2nd tender was not successful, LTA option was explored.

Furniture Ebeye

- PO has been issued in Apr 2023. Estimated Ex-factory date is end of Jun 2023.

Furniture Majuro

PO has been issued

- Issue PO for a pick up truck.
- Arrange a transportation of pick up truck from Majuro to Ebeye.
- Finalize the items for furniture of NDMO.
- Arrange for training on water trucks.



2023.

Furniture Majuro:

- UNDP suggested NDMO for the items from the LTA catalogue.

Water truck:

- PO has been issued. Estimated date of Ex-factory is end of Aug 2023.

- Discussed with NDMU, awaiting for the confirmation of items to be procured.

Water truck


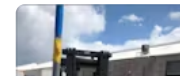
- PO has been issued. Estimated date of Ex-factory is mid July 2023.
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# Enhancing Disaster and Climate Resilient in the Republic of the Marshall Islands


## Monthly Update



### EDCR RMI Monthly Update June 2023

Output	Activities	Activity Details	Status as of June 2023	Next Action	Pictures
Output 1	1.1 Install inundation and tsunami and multi-hazard warning redundancy and climate data conduit through <b>Chatty Beetles</b> in 9 locations with 3 spares	Chatty beetles are still the most reliable mean of communication with the outer islands. The possibility of sending warning sound alarm and text messages through satellite signal complements the HF/VHF communication and allow redundancy. 9 Location: (to be stored at the weather stations) 1) Ujae 2) Lae, 3) Wotho, 4) Likiep, 5) Ailuk, 6) Mejit, 7) Maloelap, 8) Aur, 9) Namu (changed from Arno), 10-12 Spare	<ul style="list-style-type: none"> <li>NWSO has still been waiting from the University of Hawaii to ship chatty beetles.</li> <li>KPMG dispatched a mission of information collection in June 2023 and provided draft report.</li> </ul>	<ul style="list-style-type: none"> <li>Follow up with the shipment of chatty beetles.</li> </ul>	
Output 1	1.2 Provide 2 <b>Wave-Riders</b> that	Considering their proximity to the coast lines, the Waverider	<ul style="list-style-type: none"> <li>KPMG dispatched a mission of information collection in June 2023 and provided draft</li> </ul>	<ul style="list-style-type: none"> <li>KPMG to dispatch a mission to finalize the HACT Micro Assessment.</li> </ul>	

	will support wave modelling and Realtime inundation forecasting and warning for coastal communities and long-term oceanographic measurements in strategic and vulnerable locations.	Buoys will enable NWSO to plan and predict level of erosion and salt water intrusion through storm damage and tsunami wave on coastal areas; and to make decisions oriented to the protection of natural ecosystems.  Location: 1. South of Jaluit, or 2. North East of Kwajalein (pending subject to the budget availability) 3. Spare	report.	<ul style="list-style-type: none"> <li>NWSO will send an official request to MIMRA for using their boat for verification of potential deployment location of waverider buoy in South of Kwajalein and actual deployment.</li> <li>Dispatch a mission to Kwajalein to verify the site of potential deployment.</li> <li>Target for deployment of a buoy would be June 2023 (during the calm sea).</li> <li>PaclOOS to design and build the mooring system for deployment once the potential location is verified.</li> </ul>	 
Output 1	1.3 Link the Northern Meteorological Offices with HF radio as per Pacific Island Communication and Infrastructure (PICI) Panel Workplan 2019	Activity was cancelled as per Project Board decision.	Cancelled	<ul style="list-style-type: none"> <li>No action is required.</li> </ul>	
Output 1	1.4 Provide appropriate and improved disaster preparedness and response communication and other equipment to GOB/EOC.	The project will provide the National EOC with the required equipment for information management, monitoring and coordination. This may include: computers and software, multimedia equipment, communication equipment (telephone, WIFI and fibre optic, if possible).  HF/VHF, Furniture, equipment for national EOC HF/VHF radios	<p>Drones (Majuro &amp; Ebeye)</p> <ul style="list-style-type: none"> <li>PO was issued and both aerial surveillance and submersible drones which completed production.</li> <li>Aerial: UNDP requested additional payloads attachments, which requires confirmation of budget availability.</li> </ul> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>Mini-bid was initiated.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>Specification is under finalization.</li> </ul>	<p>Drones (Majuro &amp; Ebeye)</p> <ul style="list-style-type: none"> <li>Aerial: confirm budget availability and prepare shipping docs.</li> <li>Submersible: Supplier working on shipping docs.</li> </ul> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>Evaluation after bid closure in end July</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>Launch mini-bid</li> </ul>	
Output 2	2.1 <b>Construct</b>	A new building will be	<ul style="list-style-type: none"> <li>This activity was cancelled.</li> </ul>	N/A	

	<p><b>NDMO centre</b> (including NEOC and a disaster warehouse) facility in Majuro that meets disaster preparedness, international and functional standards</p>	<p>constructed for the Emergency Operations Centre (EOC) in a two-story building. In addition, a separate building will be constructed in addition to the EOC as a back-up information centre for the whole of government. since the National Telecommunication Authority (NTA) has provided the land for these facilities.</p>			
<p>Output 2</p>	<p>2.2 Support construction of one <b>GOB/EOC in Ebeye</b> including feasibility option, design and technical file preparation, and finalize construction subject to availability of funds and Government of Japan approval</p>	<p>Considering the appalling conditions of the government building in Ebeye, a new facility will be constructed to accommodate public servants. In case of disasters, this building will be used as an Emergency Operations Centre. The building will be constructed in an area of 2,907 sqft. in two storeys. The ground floor will be used as an evacuation centre and for distribution of humanitarian assistance. The second floor will be used for the Deputy Chief Secretary Office and the disaster management team.</p>	<p>Progress of the month of June 2023:</p> <ul style="list-style-type: none"> <li>• CHB wall at ramp area completed and it has reached below slab on grade level on the building.</li> <li>• Tanking and waterproofing below plinth level completed.</li> <li>• Back filling inside the building up to the bottom of grade beame completed.</li> <li>• Casting of RCC grade beam completed.</li> <li>• Pipe work for sanitary works, electricity and communication have been laid below the first floor.</li> <li>• Site fence has been extended and additional signboards for safety have been installed.</li> <li>• A totle of 90 submittals have been approved so far and 13 of them have been approved in this month.</li> </ul>	<p>Next action for the month of July 2023:</p> <ul style="list-style-type: none"> <li>• Submittals for the remaining materials including RFA.</li> <li>• Obtain the remaining permits.</li> <li>• Procurement and delivery of construction materials at site.</li> <li>• CHB wall construction up to second level.</li> <li>• Back filling in foundation and below slab on grade.</li> <li>• Formworks for columns &amp; tie beams.</li> <li>• Fabrication of rebar for columns, beams and slab.</li> <li>• Pouring of concrete on beams and slab on grade.</li> </ul>	
<p>Output 2</p>	<p>2.3 Supply and upgrade critical infrastructure and equipment for emergency response and preparedness</p>	<p>Procure followings:</p> <ul style="list-style-type: none"> <li>• Furniture and fixtures for Majuro/Ebeye EOC</li> <li>• Backup generators for MWSC</li> <li>• Water trucks for MWSC and KAJUR</li> <li>• Utility (pick-up) truck for Ebeve NDMO</li> </ul>	<p>Generator:</p> <ul style="list-style-type: none"> <li>• In production</li> <li>• Estimated date of ex-factory is Oct-Nov 2023.</li> </ul> <p>Pickup trucks</p> <ul style="list-style-type: none"> <li>• In production</li> <li>• Date of ex-factory is early Sep 2023.</li> <li>• Quote was received for transport from</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor the progress of items which are under production.</li> <li>• Issue PO for transportation of pick up truck from Majuro to Ebeye.</li> <li>• Launch the bid among LTA holders for Majuro EOC furniture on the UNDP system.</li> <li>• Arrange for training on water trucks.</li> </ul>	

Ebeye HDMS

Majuro to Ebeye

Furniture Ebeye

- Production completed
- Freight company working on shipping docs

Furniture Majuro

- Quotes received from LTA holder

Water truck

- In production
- Estimated date of Ex-factory is mid July 2023.