

## QUARTERLY PROGRESS REPORT Q3 2023 (JUL-SEP 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 September 2023, 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 Slab casting on staircase, ground floor and second floor completed.
  - o Block wall up to roof level completed.
  - o Tool joints at both levels completed.
  - o Materials for lift; water tank and water treatment plant; back-up generator and roof delivered at site.
  - 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 Item received: Aerial and Submersible drones
  - o PO issued: ICT equipment for Ebeye, Back-up generators, Pick-up truck, Furniture for Ebeye and Majuro, Water trucks
  - o Obtaining quotes: ICT equipment for Majuro, Consultant for installation of ICT equipment
  - o Specification to be finalized: Spare radio equipment

**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, chatty beetles were shipped to Majuro]	
	<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	2.1 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> 57.20% [EOC is under construction.] <b>2.2:</b> 0 [EOC is under construction.]	- <a href="#">Tender document</a> - Monitoring reports
	2.2 # 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 (Women=8)		
	2.3 # men and women benefitted from the improved disaster preparedness in water sector		0	32,398 (16,417 men and 15,981 women) <sup>1</sup>	<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.

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

- NWSO and UH to deploy a waverider.

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

Activity 1.4: Provide communication equipment for disaster preparedness and response

- Issue POs for ICT equipment for EOC Majuro and contract for consultant to install ICT equipment
- 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
- Installation of Lift
- Installation of backup generator
- Installation of Water storage tank and water treatment plant.
- Fabrication and installation of roof frame and roof covering.
- Rough-in of electrical, mechanical and plumbing works
- Construction of Ramp
- Procurement 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 and 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 (**)
<p>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></p> <p>Office telephone: 692-625-3234 Fax: 692-625-7393</p>	<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	
<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>	<ul style="list-style-type: none"> <li>- Lead the overall intervention</li> <li>- Member of Project Board</li> </ul>	Whole project	

Office telephone: 692-625-3234 Fax: 692-625-7393			
Abacca Anjain-Maddison Office of the Chief Secretary to the President, Ebeye, Kwajalein Deputy Chief Secretary for Social, Justice & Culture Email: <a href="mailto:dcsanjainmaddison.rmi@gmail.com">dcsanjainmaddison.rmi@gmail.com</a>  Office telephone: 692-329-6074	- Lead the overall intervention - Member of Project Board	Whole project	
Ishidore Robert National Disaster Management Office Director <a href="mailto:ndmo.ishidore@gmail.com">Email:ndmo.ishidore@gmail.com</a>  Office telephone: 692-625-5181 Fax: 692-625-6074	- Lead coordinator for overall intervention - Member of the Project Board - Implementing partner for EOC and telecommunication improvement		
Reginald White National Weather Service Office Director NOAA Affiliate Email: <a href="mailto:reginald.white@noaa.gov">reginald.white@noaa.gov</a>  Office telephone: 692-247-5705 Fax: 692-247-3078	- Implementing partner for the NWSO improvement - Member of Project Board	Whole project	
Tommy Kijiner National Telecommunication Authority Chief Executive Officer Email: <a href="mailto:tkijiner@minta.mh">tkijiner@minta.mh</a>  Yoshi Kaneko National Telecommunication Authority Chief Operations Officer Email: <a href="mailto:ytkaneko@minta.mh">ytkaneko@minta.mh</a>  Office telephone: 692-625-3852 Fax: 692-625-3618	- Facilitate the land for the construction of the NEOC - Counterpart for the construction of the ministerial back-up information centre - Members of Project Board	Whole project	
Anjojo Kabua III Kwajalein Atoll Development Authority Director Email: <a href="mailto:limikekabua@gmail.com">limikekabua@gmail.com</a> Cell phone: 692-235-5634  Ariston Santiago Kwajalein Atoll Development Authority Chief Engineer Email: <a href="mailto:aqsantiago0222@yahoo.com.ph">aqsantiago0222@yahoo.com.ph</a>	- Counterpart for the construction of the GOB/EOC Ebeye - Members of Project Board	Whole project	

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

## 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 Ebey 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	Additional funds to be sought to complete the construction of the GOB/EOC facility	Whole project duration	[Updated in Sep 2021] There is a huge gap between the bid offers and the budget. Raw materials,

GOB/EOC in Ebeye are insufficient			<p>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	<p>The project shares monthly progress and communicate with the counterparts and development partners.</p> <p>[Updated in Sep 2023] University of Hawaii took longer time for reviewing and proceeding the agreement.</p>
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/RESPACatUNDP/status/1160656697548922880>

<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>

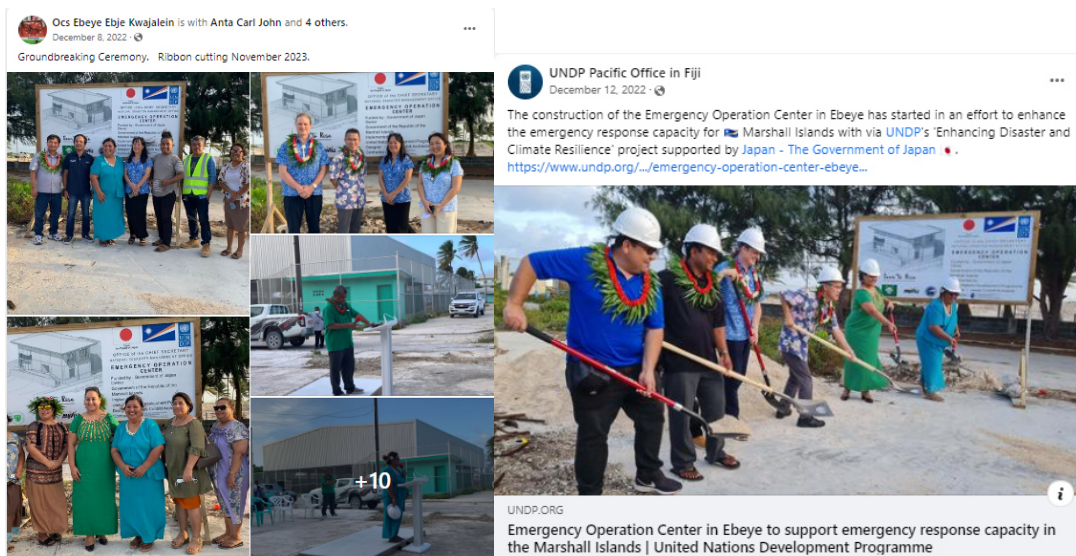
UNDP Facebook:

<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=pfbid02y7SYDR9jXqDBAmuCuT3qPNkN4nwB7cSbQEdYNTVaas3eXa2g3HVngAkE7HJFzaVql&id=100064354674958](https://www.facebook.com/permalink.php?story_fbid=pfbid02y7SYDR9jXqDBAmuCuT3qPNkN4nwB7cSbQEdYNTVaas3eXa2g3HVngAkE7HJFzaVql&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	176,987	525,369
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	705,262	1,577,778
O3- Program Management Unit	GOJ	387,301	306,733	209,660	41,283	153,415	1,098,391
	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>1,035,663</b>	<b>3,282,627</b>
- Funded by GOJ		524,915	860,873	596,609	183,477	1,035,663	3,201,537
- Funded by UNDP		0	0	7,167	73,923	0	81,089

\* Tentative figure retrieved from Quantum on 17 October 2023

## PART 9: LIST OF EVIDENCE PROVIDED AS ANNEX


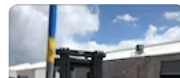
- Annex 1: Monthly Progress Reports (July – September 2023)


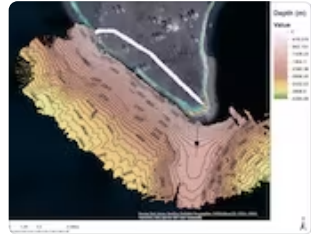
# Enhancing Disaster and Climate Resilient in the Republic of the Marshall Islands

## Monthly Update



### EDCR RMI Monthly Update July 2023

Output	Activities	Activity Details	Status as of July 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>Management response is pending to complete the HACT Micro Assessment.</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>There is no update on the deployment of a wave rider buoy or</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	procure additional bathymetry equipment and buoy.  • Management response is pending to complete the HACT Micro Assessment.	<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>PacIOOS 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	Drones (Majuro & Ebeye) <ul style="list-style-type: none"> <li>Submersible drones were arrived at Majuro.</li> <li>Aerial drones are ready for shipping.</li> </ul> ICT equipment (Ebeye) <ul style="list-style-type: none"> <li>Mini-bid was not successful. Another round of request for quotes was launched.</li> </ul> ICT equipment (Majuro) <ul style="list-style-type: none"> <li>Specification is finalized.</li> </ul>	Drones (Majuro & Ebeye) <ul style="list-style-type: none"> <li>Aerial: drones to be received. Plan for training.</li> <li>Submersible: Plan for training</li> </ul> ICT equipment (Ebeye) <ul style="list-style-type: none"> <li>Evaluation after bid closure on 14 Aug.</li> </ul> ICT equipment (Majuro) <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>			
Output 2	<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>Activities completed in the month of July 2023:</p> <ul style="list-style-type: none"> <li>• 15 submittals were approved.</li> <li>• 16 purchase orders were confirmed.</li> <li>• Back filling and compaction in interior of the building completed.</li> <li>• Pouring of concrete on slab on grade at Level 01 completed.</li> <li>• Casting of stair from Level 01 to landing completed.</li> <li>• CHB wall from Level 01 to soffit of Level 02 completed.</li> </ul>	<p>Next action for the month of August 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>• Form works for beams, stairs, and slab at Level 02.</li> <li>• Fixing of rebars on beam, stairs and slab at Level 02.</li> <li>• Finishing of exterior CHB wall up to Level 02.</li> <li>• Concrete pouring on beam, stair and slab at Level 02.</li> <li>• Laying of pipes for water, sanitation, electricity and communication system at Level 02.</li> <li>• CHB wall construction from Level 02 to roof level.</li> </ul>	
Output 2	<p>2.3 Supply and upgrade critical infrastructure and equipment for emergency response and</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> </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>• 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 as the UNDP</li> </ul>	

preparedness

- Water trucks for MWSC and KAJUR
- Utility (pick-up) truck for Ebeye NDMO

- In production
- Date of ex-factory is early Sep 2023.
- Quote was received for transport from Majuro to Ebeye

Furniture Ebeye

- Production completed
- Items are on shipment

Furniture Majuro

- Quotes received from LTA holder

Water truck

- In production
- Estimated date of Ex-factory is end Aug 2023.

- Majuro EOC furniture on the UNDP system.
- Arrange for training on water trucks.






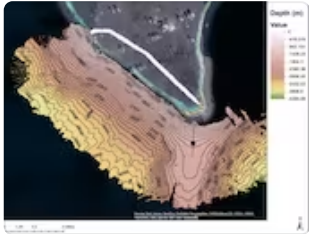

# Enhancing Disaster and Climate Resilient in the Republic of the Marshall Islands

## Monthly Update



### EDCR RMI Update August-September 2023

Output	Activities	Activity Details	Status as of August 2023	Status as of September 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>HACT Micro Assessment was finalized by concluding management response.</li> </ul>	<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>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>There is no update on the deployment of a wave</li> </ul>	<ul style="list-style-type: none"> <li>There is no update on the deployment of a</li> </ul>	<ul style="list-style-type: none"> <li>Dispatch a mission to Kwajalein to verify the site</li> </ul>	

	<p>will support wave modelling and Realtime inundation forecasting and warning for coastal communities and long-term oceanographic measurements in strategic and vulnerable locations.</p>	<p>Buoys will enable NWSU 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.</p> <p>Location:</p> <ol style="list-style-type: none"> <li>1. South of Jaluit, or</li> <li>2. North East of Kwajalein (pending subject to the budget availability)</li> <li>3. Spare</li> </ol>	<p>rider buoy or procure additional bathymetry equipment and buoy.</p> <ul style="list-style-type: none"> <li>• HACT Micro Assessment was finalized by concluding management response.</li> </ul>	<p>wave rider buoy or procure additional bathymetry equipment and buoy.</p>	<p>or potential deployment.</p> <ul style="list-style-type: none"> <li>• Follow up on the date for deployment of a buoy (previously targeted by June or July 2023)</li> <li>• PacIOOS to design and build the mooring system for deployment once the potential location is verified.</li> </ul>	 
Output 1	<p>1.3 Link the Northern Meteorological Offices with HF radio as per Pacific Island Communication and Infrastructure (PICI) Panel Workplan 2019</p>	<p>Activity was cancelled as per Project Board decision.</p>	<p>Cancelled</p>	<p>Cancelled</p>	<ul style="list-style-type: none"> <li>• No action is required.</li> </ul>	
Output 1	<p>1.4 Provide appropriate and improved disaster preparedness and response communication and other equipment to GOB/EOC.</p>	<p>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).</p> <p>HF/VHF, Furniture, equipment for national EOC HF/VHF radios</p>	<p>Drones (Majuro &amp; Ebeye)</p> <ul style="list-style-type: none"> <li>• Aerial drones are on delivery.</li> <li>• Training was scheduled from 3 to 10 October. Travel arrangement was initiated.</li> </ul> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>• Bid is under evaluation.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>• Bid is under evaluation.</li> </ul>	<p>Drones (Majuro &amp; Ebeye)</p> <ul style="list-style-type: none"> <li>• Both Submersible and Aerial received.</li> <li>• Preparation of the drone training (3 to 10 October) is ongoing.</li> </ul> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>• PO was issued.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>• Bid is under evaluation.</li> </ul>	<p>Drones (Majuro &amp; Ebeye)</p> <ul style="list-style-type: none"> <li>• Conduct drone trainings 3-10 October.</li> </ul> <p>ICT equipment (Ebeye)</p> <ul style="list-style-type: none"> <li>• Monitor ETA.</li> </ul> <p>ICT equipment (Majuro)</p> <ul style="list-style-type: none"> <li>• Finalize evaluation and Issue PO(s).</li> </ul>	
Output 2	<p>2.1 <b>Construct</b></p>	<p>A new building will be</p>	<ul style="list-style-type: none"> <li>• This activity was</li> </ul>	<ul style="list-style-type: none"> <li>• This activity was</li> </ul>	<p>N/A</p>	

	<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>cancelled.</p>	<p>cancelled.</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>Activities completed in August 2023:</p> <ul style="list-style-type: none"> <li>• 14 submittals have been approved.</li> <li>• Ordering, procurement and delivery of construction materials at site is continuing.</li> <li>• Form works for beams, stairs, and slab at Level 02 completed.</li> <li>• Fixing of rebars on beam, stairs and slab at Level 02 completed.</li> <li>• Block work up to the slab at 02 Level completed.</li> <li>• Finishing of CHB wall up to Level 02 completed.</li> <li>• Concrete pouring on beam, stair and slab at Level 02 completed.</li> <li>• Laying of pipes for water, sanitation, electricity and communication system at Level 02 completed.</li> </ul>	<p>Progress of the month of September 2023:</p> <ul style="list-style-type: none"> <li>• 3 submittals have been approved.</li> <li>• Ordering, procurement and delivery of construction materials at site is continuing.</li> <li>• Installation of anchor bolts on walls below roof.</li> <li>• All CHB wall and cap beam below roof completed.</li> <li>• Removing of formwork completed.</li> <li>• Tool joints of exterior wall completed.</li> <li>• Fabrication and installation of roof truss started.</li> <li>• Rough-ins of electrical, communication, plumbing and mechanical installation going on.</li> <li>• Materials/equipment for lift, water tank, water</li> </ul>	<p>Next action for the month of October 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>• Complete roofing.</li> <li>• Complete tool joints on interior walls.</li> <li>• Rough-ins of electrical, communication, plumbing and mechanical installations.</li> </ul>	 <p>The images show various construction activities: the top photo shows workers in safety gear performing a ground ceremony; the middle photo shows a large-scale construction site with concrete structures and scaffolding; the bottom photo shows a group of about ten people, including officials and workers, standing for a group photo in front of a building.</p>

treatment and back-up generator arrived.

Output 2	2.3 Supply and upgrade critical infrastructure and equipment for emergency response and preparedness	<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 Ebeye 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 Majuro to Ebeye</li> <li>Logo's PO was issued</li> </ul> <p>Furniture Ebeye</p> <ul style="list-style-type: none"> <li>Production completed</li> <li>Items are on shipment</li> </ul> <p>Furniture Majuro</p> <ul style="list-style-type: none"> <li>PO was issued. Under manufacturing.</li> <li>PO for shipping issued</li> </ul> <p>Water truck</p> <ul style="list-style-type: none"> <li>In production</li> <li>Pre delivery Inspection for 10k Ltrs is 15th Sept. 40k Ltrs is 30th Sept</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>Production completed. A vehicle for Ebeye in transit.</li> <li>PO is under preparation for shipment from Majuro to Ebeye</li> </ul> <p>Furniture Ebeye</p> <ul style="list-style-type: none"> <li>Production completed, items are in transit.</li> </ul> <p>Furniture Majuro</p> <ul style="list-style-type: none"> <li>PO was issued. Monitoring the manufacturing.</li> </ul> <p>Water truck</p> <ul style="list-style-type: none"> <li>In production</li> <li>Pre delivery Inspection for 10k Ltrs is 15th Sept. 40k Ltrs is 30th Sept</li> </ul>	<p>Generator:</p> <ul style="list-style-type: none"> <li>Monitor production and Ex-works date</li> <li>Discuss on the training</li> </ul> <p>Pickup Truck</p> <ul style="list-style-type: none"> <li>Receipt of the vehicle, send to Ebeye</li> </ul> <p>Furniture Ebeye</p> <ul style="list-style-type: none"> <li>Monitor ETA</li> </ul> <p>Furniture Majuro</p> <ul style="list-style-type: none"> <li>Monitor Ex-works date</li> </ul> <p>Water Trucks</p> <ul style="list-style-type: none"> <li>Follow-up on pre-delivery inspection and shipping</li> <li>Discuss on the training</li> </ul>
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