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MALDIVES GLOBAL CLIMATE CHANGE (GCC) QUARTERLY PERFORMANCE REPORT

**ENHANCE CLIMATE RESILIENCY AND WATER SECURITY IN
THE MALDIVES**

JANUARY- MARCH 2016

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ACRONYMS

BMP	Branding and Marking Plan
COP	Chief of Party
COR	Contracting Officer's Representative
DWSOM	Drinking Water System Operations and Maintenance
EMMP	Environmental Mitigation and Monitoring Plan
EIA	Environmental Impact Assessment
EPA	Maldives Environmental Protection Agency
FENAKA	Fen (water) Narudhama (sewerage) Karantu (electricity) (National Utility Corporation)
FET	Faculty of Engineering Technology
FSc	Faculty of Science
GCC	Global Climate Change
GoM	Government of Maldives
GST	Goods and Services Tax
HWSS	Hinnavaru Water Supply System
IR	Intermediate Result
M&E	Monitoring and Evaluation
MED	Ministry of Economic Development
MEE	Ministry of Environment and Energy
MEP	Monitoring and Evaluation Plan
MoFT	Ministry of Finance and Treasury
MIRA	Maldives Inland Revenue Authority
MNU	Maldives National University
MOU	Memorandum of Understanding
MWSC	Maldives Water and Sewerage Company
O&M	Operations and Maintenance
PAC	Public Awareness Campaign
PMP	Performance Management Plan
RO	Reverse Osmosis
RWQL	Regional Water Quality Laboratory
RWH	Rainwater Harvesting
STTA	Short-term Technical Assistance
SOW	Scope of Work/Statement of Work
SWRO	Sea Water Reverse Osmosis
UNOPS	United Nations Office of Project Services
USAID	United States Agency for International Development
USG	United States Government
WQLP	Water Quality Laboratory Procedures
WWTP	Wastewater Treatment Plant

EXECUTIVE SUMMARY

The Enhance Climate Resiliency and Water Security in the Maldives project focused this reporting period on the translation of the Environmental Monitoring and Mitigation Plan (EMMP) and the Emergency Plan developed in 2015 to prepare for the documents' submission to project stakeholders. The project also saw the commencement of its two laboratory and operations courses this quarter, and facilitated the provision of important Enterprise Resource Planning financial software to FENAKA. The project also completed production of awareness materials and project communication documents in this reporting period.

Main technical activities and deliverables:

Task 1: Assessment, Design, and Mobilization. The project completed the translation of the Emergency Plan and the documents were submitted to stakeholders.

Task 2: Institutional Strengthening. In this quarter, the Certificate 3 in Laboratory Procedures course and Certificate 3 in Drinking Water Systems operations and maintenance course began, with 10 students enrolled in each course. In addition, the project facilitated the provision of financial software licenses to FENAKA through local subcontractor Focus Computers, and conducted the water management planning workshop in Hinnavaru.

Task 3: Enhancing Community Knowledge, Skills and Attitudes. During this reporting period, the project completed production of the user pay factsheet, installation of a noticeboard in support for UNOPS construction activities and E-newsletters with updates of the project activities for January, February and March 2016.

Challenges faced this quarter:

The main challenge Maldives GCC encountered during this reporting period was closing down the project offices and having staff work remotely. Despite the challenges in coordination that this arrangement poses, the team has executed high quality technical activities and has had no issues with coordination between members of the team. UNOPS has been supportive in allowing the team to use office space for meetings between team members.

SECTION I—BACKGROUND

USAID’s Maldives GCC is a five-year, \$5.3 million project scheduled to be completed on May 31, 2016. The objective is to demonstrate processes and outcomes that will allow island communities to increase their resiliency to the impacts of global climate change. The project provides assistance to the GoM, primarily through MEE. Additional stakeholders include residents and the island council of Lh. Hinnavaru, targeted to become a “climate resilient island” with USAID assistance; FENAKA, the national utility company; and local utility operators/managers.

Maldives GCC is the second major USAID initiative in the Maldives. After the 2004 Indian Ocean tsunami, USAID provided approximately \$12 million in relief and reconstruction assistance focused on improving water supply and sewerage services, harbor and breakwater construction, power systems repair and public accounting systems. Maldives GCC aims to move from a focus on reconstruction work to sustainable operations for FENAKA, and a resilient population.

On June 12, 2013, USAID issued a Stop Work Order (SWO) directing Chemonics to curtail all activities other than minimal operating expenses and to remain prepared to respond to requests from USAID. Through extensive negotiations, USAID and MEE agreed upon a revised Statement of Work (SOW) which removed all activities on the island of HA Dhidhdhoo, focused activities specifically on support of the water infrastructure on Hinnavaru, and removed all engineering, construction and procurement activities from the Chemonics task order. The engineering, construction, and procurement activities are now borne by United Nations Office of Project Services (UNOPS) through a Public International Organization (PIO) grant. Chemonics coordinates project activities with UNOPS for seamless implementation of project deliverables to the island of Hinnavaru and provides technical assistance to the utility, primarily to support the sustainability of island infrastructure and implement a robust public awareness campaign on topics of user-pay, climate change, and concepts to develop an island water management plan. Task Order Modification #3 was executed on March 28, 2014 and the SWO was lifted. Chemonics reopened the Male’ project office and the Hinnavaru field office on April 2, 2014.

On October 22, 2015 USAID issued the Modification #5 to the Task Order revising the total budget amount to \$5,256,015, updating the scope of work (SOW), and changing the project end date to May 31, 2016.

SECTION II—TECHNICAL ACTIVITIES

Task 1: Assessment, Design, and Mobilization

The revised SOW provided as part of Modification #5 details eight subtasks under Task 1 designed to facilitate planning and collection of necessary data to enable the implementation of technical assistance and communication activities defined under the other two tasks of the project. Task 1 includes administrative and reporting subtasks not associated with specific deliverables. Below is a summary table of progress on all eight subtasks.

Table 1: Task 1 Progress Summary

Subtask	Activity	Status/Estimated Completion
1.1	Year 3 and 4 Work Plan Year 5 Work Plan	Approved by MEE on August 10, 2014. Approved by USAID on August 13, 2014. Approved by USAID on November 19, 2015
1.2	Monitoring and Evaluation Plan	Approved by USAID on November 12, 2014.
1.3	Operational phase EMMP for Hinnavaru water facilities	EMMP and Emergency Plan approved on by USAID on October 13, 2015. The EMMP is being translated into Dhivehi before it is submitted to stakeholders.
1.4	Review of existing cost recovery assessments	Removed from the project's SOW in Modification # 5.
1.5	Cost Recovery data collection and analysis	This subtask's scope was modified. Only subtask 1.5(b) remains in the current project's SOW.
1.5(a)	Cost Recovery Data Collection/Analysis	Removed from the project's SOW in Modification # 5.
1.5(b)	Value Engineering Review	Approved on July 9, 2015
1.6	RWH support to UNOPS	Activity completed; data provided to UNOPS.
1.7	Communications log and meeting minutes	Ongoing; log and minutes on file at Chemonics' Male' office.
1.8	MEE concurrence sought on all activities	Ongoing
1.9	Notification to USAID of any delays in project implementation	Ongoing; notifications provided on an as-needed basis.

1.a. Activities and Progress toward Results

The main activity completed in this quarter was the translation of the Emergency Plan before the documents are submitted to stakeholders.

A summary of progress toward individual subtasks is presented below:

Task 1.1: USAID approved the Y5 work plan on November 19th, 2015. The work plan detailed the activities the project will be completing through May 31, 2016.

The Y5 work plan, although submitted at the end of September, considered the revised SOW defined in the contract's Modification #5.

Task 1.2: The Maldives GCC project is revising the Monitoring and Evaluation Plan (MEP) to reflect the changes to the project scope and targets as per the contract's Modification #5, and will submit it in Q2 2016 for approval.

Tasks 1.3: USAID approved the Environmental Monitoring and Mitigation Plan and the Emergency Plan for the new water utility facility and the regional water laboratory on October 13, 2015. The EMMP was developed to address potential negative impacts that could occur during the operation phase of the new drinking water facility and the regional laboratory currently under construction through the USAID grant agreement awarded to UNOPS.

The project received the Dhivehi version of the Emergency Plan in December and approved the document on December 28, 2015. The Emergency Plan was submitted to FENAKA during this reporting period.

The project is preparing a translation of the EMMP before it is handed over to the stakeholders to ensure comprehensibility and to facilitate easy referencing and related practical actions. The original EMMP document in English and the translated Dhivehi document will be submitted to the stakeholders including MEE, EPA and FENAKA during the next quarter.

Task 1.4: Considering that this subtask was removed from the projects' SOW in the Modification #5, no further activities will be completed under this subtask.

Task 1.5: On October 22, 2015 USAID modified the scope of this subtask removing the Cost Recovery Data Collection/Analysis activity. The other activity under this subtask, the value engineering review, was already completed and approved in July 2015.

Task 1.6: This activity was completed in Q3 2014.

Task 1.7: Chemonics maintained a communications log of all meetings and other substantive communications with all GoM parties and UNOPS. We distributed minutes of all meetings attended to all stakeholders on a weekly basis.

Task 1.8: The Maldives GCC project complied with this subtask mandate of receiving the Ministry of Environment and Energy's concurrence for all technical activities implemented during this quarter. The project sought and obtained MEE's concurrence for the following main activities in this reporting period:

- Develop and finalize the user pay factsheet
- Conduct the water management planning workshop.

Task 1.9: On a weekly basis the project submits a bullet points report with the project activity highlights.

1.b Activities Planned for Next Quarter

In accordance with the approved work plan, during the next quarter Chemonics plans to:

- Hand over the EMMP documents (English and Dhivehi versions) to FENAKA, MEE and EPA.
- Continue with the coordination of the stakeholders' weekly meetings.

Task 2: Institutional Strengthening

Institutional strengthening focuses on improving the capacity of the island council and utility company on Hinnavaru to provide water supply, sewerage, and solid waste management services to residents of Hinnavaru. Under Task 2, Chemonics supports the strengthening of FENAKA, the utility company responsible for water supply to most of the islands, and builds the regulatory capabilities of the MEE and EPA. The project's primary objective is to provide comprehensive training and operational and management tools to enable the utility to operate and manage the facilities built under the UNOPS portion of this project well into the future. Chemonics will develop in-depth training for the utility operators applying a variety of methods which can be used by others in future training programs.

Table 2: Task 2 Progress Summary

Subtask	Activity	Status/Estimated Completion
2.1	MGCC partnership TOR	Activity completed.
2.2	Establish project coordination bodies	Activity completed; weekly meetings ongoing.
2.3	Operator Training and Capacity building of Hinnavaru utility staff	May 2016
2.3(a)	Development of operator training modules in collaboration with vendors and stakeholders	February 2016
2.3(b)	Classroom training component	March 2016
2.3(c)	Hands-on and on-the-job training	April 2016. This activity will depend on the progress made in the construction of the facilities.
2.3(d)	Equipment maintenance training with vendors	March 2016. Activity linked to the procurement UNOPS will conduct for this equipment.
2.3(e)	Operators final examination	April-May 2016. Linked to tasks 2.3 c and d.
2.3(f)	Laboratory technician training	April 2016
2.3(g)	Laboratory technician final examination	April-May 2016
2.4	Capacity building of FENAKA	May 2016
2.4(a)	Develop framework of national water system operator certification program	Removed from the project's SOW in Modification # 5.

Subtask	Activity	Status/Estimated Completion
2.5	Water connection application and financing protocol developed	Removed from the project's SOW in Modification # 5.
2.5(a)	Service connection application procedure agreed between stakeholders	Removed from the project's SOW in Modification # 5.
2.5(b)	Service connection fee structure and financing mechanism identified	Removed from the project's SOW in Modification # 5.
2.6	Cost Recovery Plan developed and approved by stakeholders	Removed from the project's SOW in Modification # 5.
2.6(a)	Formation of Cost Recovery working group in Hinnavaru	Removed from the project's SOW in Modification # 5.
2.6(b)	Working group to study cost recovery data collected under Task 1.5	Removed from the project's SOW in Modification # 5.
2.6(c)	Working group to study models of cost recovery	Removed from the project's SOW in Modification # 5.
2.6(d)	Working group to study models of tariffs, taxes and subsidies as they relate to Maldives utilities	Removed from the project's SOW in Modification # 5.
2.6(e)	Working group to formulate recommendations on tariffs and how to achieve full cost recovery in Hinnavaru	Removed from the project's SOW in Modification # 5.
2.6(f)	Chemonics to support FENAKA development of formal Cost Recovery Plan	Removed from the project's SOW in Modification # 5.
2.7	Obtain cost projections from UNOPS/UNDP	Removed from the project's SOW in Modification # 5.
2.7(a)	Determine estimated operations costs of proposed Hinnavaru facilities from UNOPS	Removed from the project's SOW in Modification # 5.
2.7(b)	Determine estimated maintenance costs of proposed Hinnavaru facilities from UNOPS	Removed from the project's SOW in Modification # 5.
2.7(c)	Review and verify cost assumptions made during design stages	Removed from the project's SOW in Modification # 5.
2.7(d)	Determine actual or estimated costs of O&M of similar facilities on other islands	Removed from the project's SOW in Modification # 5.
2.8	Financial management systems	January 2016
2.8(a)	QA support in development and rollout of billing software	Activity Completed
2.8(b)	Development and rollout of fixed asset management tool	April 2015
2.8(c)	Development of financial modeling tool	March 2015. FENAKA informed Maldives GCC that this tool is not a need the utility has at this moment.
2.8(d)	Demonstrate financial model with data obtained in Task 1.5	March 2015. FENAKA informed Maldives GCC that this tool is not a need the utility has at this moment.
2.9	Tariff application	Removed from the project's SOW in Modification # 5.
2.9(a)	Evaluation with FENAKA of all data from Tasks 1.4, 1.5 and 2.7 and recommendations from 2.6	Removed from the project's SOW in Modification # 5.
2.9(b)	Analysis of cost recovery goals and available mechanisms to cover shortfall	Removed from the project's SOW in Modification # 5.
2.9(c)	Development of draft tariff structure with cost justifications	Removed from the project's SOW in Modification # 5.

Subtask	Activity	Status/Estimated Completion
2.9(d)	Negotiations with EPA to agree in principle on new tariffs for Hinnavaru	Removed from the project's SOW in Modification # 5.
2.9(e)	Application and formal approval of tariff structure for Hinnavaru	Removed from the project's SOW in Modification # 5.
2.9(f)	Implementation of tariffs on Hinnavaru	Removed from the project's SOW in Modification # 5.
2.10	Operations management procedures	Removed from the project's SOW in Modification # 5.
2.10(a)	Development of O&M manuals for all new facilities, including maintenance schedules, environmental management and health and safety components	Removed from the project's SOW in Modification # 5.
2.10(b)	Development of Water Quality Laboratory Procedures Manual	Removed from the project's SOW in Modification # 5.
2.10(c)	Development and rollout of Customer Service tool	Removed from the project's SOW in Modification # 5.
2.11	Public Rainwater Harvesting systems management	Scope was revised in Modification # 5.
2.11(a)	Development of template for right-of-way agreement between utility and property owner to grant management of RWH system to utility	Removed from the project's SOW in Modification # 5.
2.11(b)	Develop utility staff training module on design and O&M of RWH systems	January 2016. Incorporated in the training module – operator course
2.11(c)	Train utility staff on public RWH system design and O&M	March 2016. Incorporated in the training module – operator course
2.12	Ground water monitoring program	Removed from the project's SOW in Modification # 5.
2.13	Supply chain management	January 2016
2.13(a)	Develop and rollout inventory control tools paired with management tools developed in Task 2.8	November 2015
2.13(b)	Assess potential to develop favorable agreements with vendors/suppliers	November 2015
2.13(c)	Develop streamlined process for procurement and control of process and lab chemicals	January 2016
2.14	Regulatory awareness	January 2016
2.14(a)	Develop a performance monitoring system	October 2015
2.14(b)	Train MEE and EPA staff on performance management system	November 2015
2.15	Materials delivered to MEE	May 2016

2.a. Activities and Progress Toward Results

Three main activities were the focus of our efforts this reporting period: monitoring of the two certification courses, provision of the financial software licenses and the water management planning workshop conducted in Hinnavaru.

A summary of progress toward individual subtasks is presented below:

Task 2.1: This activity was completed in Q4 2014.

Task 2.2: During this reporting period, 10 Coordination Meetings were held and documented through minutes.

Task 2.3: The orientation program and classes for the Certificate 3 in Laboratory Procedures course and Certificate 3 in Drinking Water Systems operations and maintenance course commenced in the last week of January 2016. Ten students were enrolled in each of the courses 15 participants from FENAKA, 3 from EPA and 2 from State Electric Company (Government Company).

During the orientation program, the project received feedback from the MNU Faculty of Science that one of the students enrolled in the Laboratory Procedures course withdrew from the course. During the late application and enrollment period of MNU, the project was able to successfully enroll a new student from FENAKA in the course to fill-up the vacant seat.

The project provides monthly allowance for students (staff) from FENAKA from other islands (outer islands) and initially 14 students from FENAKA were given this opportunity, which was formalized in an MOU between the project and FENAKA. The student who withdrew from the course was a staff from EPA stationed in Male'. FENAKA was informed that the project may not be able to fund the allowance for the new student and FENAKA agreed to provide the monthly allowance for him.

Both MNU and MWSC have demonstrated excellent efforts in delivering the certification courses by engaging their most experienced and most competent trainers. The list of trainers includes the dean of faculty of science, the Manager of the MWSC laboratory and senior engineers of MWSC.



Laboratory Procedures course, Practical training at the MWSC laboratory



Drinking water systems operations and maintenance course, Practical training at the MWSC laboratory

Task 2.4, 2.5, 2.6, 2.7, and 2.9: These subtasks were removed from the project's SOW through the contract Modification # 5.

Task 2.8: Maldives GCC project awarded a fixed price subcontract to FOCUS Computers to provide 45 licenses of a fully functional ERP software (Microsoft Dynamix Nav 2016). The package consisted of 1 starter pack, 3 full licenses, 12 full user licenses and 30 limited user licenses for FENAKA. The aim of this assistance is to provide support for improvement of FENAKA's financial management capacity; in particular, the ability to use financial data in short-term decision making and long-term planning.

FOCUS computers completed all of the activities specified under the agreement by 30th March 2016 including the provision of training for 15 staff members from FENAKA. The training was delivered by Microsoft certified trainers during an intensive six day training program covering all the important modules of the software. The contract FENAKA made with Microsoft through this assistance would also allow the users to gain access to training resources and materials directly from Microsoft. FENAKA also received technical assistance to download and activate the software with license keys provided and eventually installed the software on a designated system running with a test database to simulate exercises and practice using the software while the implementation and customization process is completed.



Training delivered to FENAKA on the use of finance software provided by the project

Task 2.10: This subtask was modified to remove the overlapping deliverables between the MGCC contract and the grant agreement USAID awarded to UNOPS. The deliverables removed from this subtask were the operations manual, the health and safety protocol and the water quality laboratory procedures. Additionally, due to the reduction in the project's budget, Maldives GCC will not be completing the consultancy to develop the customer service tool that was previously included in the project SOW.

As previously reported, the international consultant Scott Tobias developed the environmental best practices and made them part of the water system plant and water quality laboratory Environmental Mitigation and Management Plans. The project hired a consultant (technical expert) to translate the EMMPs into Dhivehi. The project planned to hand over the EMMP document to the stakeholders in February 2016. However, the consultant hired to translate the document was not able to complete the task within the agreed schedule and the task had to be handed over to the translator hired by the project. The translator is expected to hand over the document in April 2016. The expected project will submit the EMMP document to the stakeholders during the next quarter.

The Emergency Plan was delivered to FENAKA on 30th January 2016.

Task 2.11: The training module on Public Rainwater Harvesting Systems was included in the Drinking Water System Operations and Maintenance (WSOM) course curriculum.

Task 2.12: This subtask was removed from the project SOW through the contract Modification #5.

Task 2.13: CH2MHILL consultant Mr. James Borton completed the recommendations for the chemical supply chain management and delivered the document on November 14th, 2015. This deliverable, along with the consultant's final report, was submitted to FENAKA on 18th March 2016.

Task 2.14: On October 21st, 2015, the project completed the second consultation with the regulators and utilities on key performance indicators and the steps to follow for the rollout of the Performance Evaluation and Monitoring System (PEMS). Mr. Thomas Helgeson and the Maldives GCC COP met with the MEE’s Permanent Secretary, Mr. Ajwad Mustafa, and with Mr. Mohamed Fazeeh, MEE Water Department Assistance Director, to present the tools developed under this consultancy and to request their concurrence on the final deliverables. MEE was pleased with the deliverables and requested support for the rollout of the PEMS system in early 2016. Chemonics submitted the final deliverables of this consultancy to MEE on 10th February 2016.

Task 2.15: This activity will be completed in May 2016.

2.b. Activities Planned for Next Quarter

In accordance with the approved work plan, during the next quarter Chemonics plans to:

- Complete the delivery of the Drinking Water System Operations and Maintenance (WSOM) course and the Water Quality Laboratory Procedures (WQLP) course to the 10 participants registered in each course (20 participants total).
- Deliver the Dhivehi and English versions of the EMMP to FENAKA Corporation Ltd.

Task 3: Enhancing Community Knowledge, Skills, and Attitudes

Task 3 is focused on social marketing to increase Hinnavaru resident knowledge with respect to three core objectives: user-pay principles; understanding the linkages between climate change and water resource and environmental management; and developing the skills to enable the island leadership to develop an island water management plan. Chemonics developed a Public Awareness Campaign (PAC) Plan, which was designed to be a comprehensive strategy and set of activities aimed at raising public awareness about climate change, water resources, and environmental management issues. These activities help to educate island residents about approaches to improve resource availability and publicize project-supported events to promote these objectives.

Table 3: Task 3 Progress Summary

Subtask	Activity	Status/Estimated Completion
3.0	Public awareness campaign planning	Activity completed.
3.0(a)	Public Awareness Campaign Plan	PAC plan was revised and approved by USAID
3.0(b)	Public Awareness Campaign graphic templates	Activity completed.
3.0(c)	Public Awareness Campaign Baseline data/monitoring	Activity completed.
3.1	Public awareness campaign – user-pay principles	February 2016
3.1(a)	Flyers, posters, factsheets	February 2016
3.1(b)	Public meetings	Exhibition held on December 2015. The water day will not be executed in 2016 due to budget limitations.

Subtask	Activity	Status/Estimated Completion
		Focus group meeting to evaluate PAC materials to be held in April 2016.
3.1(c)	Testimonials from Cost Recovery Working Group	This activity was complementary of the Cost Recovery activity cancelled through Modification # 5 of the contract.
3.2	Public awareness campaign – climate change	December 2015 - Completed
3.2(a)	Factsheet	December 2015
3.2(b)	Sponsor World Water Day celebration	Activity cancelled due to budget limitations
3.2(c)	Youth activities and field trips	Activities completed in 2015. No additional activities will be completed in 2016.
3.3	Public awareness campaign – Island Water Management Plan	May 2016
3.3(a)	Water management assessment tools	December 2015 - Completed
3.3(b)	Water Management Plan workshops	March 2016 - Completed
3.3(c)	Public messaging about water management planning	December 2015 - Completed
3.3(d)	Water Management Factsheets	May 2015 - Completed
3.3(e)	Public awareness to support UNOPS' activities TBD	Notice board installed in Feb 2016 E-newsletter for Jan, Feb and March completed.
3.4	Public awareness materials delivered to MEE	May 2016

3.a. Activities and Progress toward Results

During this reporting period, the project completed the production of the user pay factsheet, installation of a noticeboard in support for UNOPS construction activities and produced E-newsletters with updates of the project activities for January, February and March 2016.

A summary of progress toward individual subtasks is presented below:

Task 3.0: USAID approved the PAC plan on 25th February, 2015. Based on the contract Modification # 5, the project submitted a revised version of the Public Awareness Campaign plan to USAID for their review and information on 5th February, 2016. USAID informed Maldives GCC on 18th February that they did not have any comments or modifications to the plan.

Task 3.1: The design of the user pay factsheet was finalized with input from MEE, USAID and the project coordination committee members in February 2016. 500 copies of the factsheet were printed, 250 were submitted to MEE and 150 were provided to UNOPS for distribution in

Hinnavaru. The remaining 100 will be distributed during the remaining technical activities by the project team in Hinnavaru.

Task 3.2: Chemonics received USAID and MEE approval for all remaining graphic materials during this quarter. The materials were printed and distributed in Hinnavaru. A portion of the printed materials were also submitted to the MEE Water Department.

The following table shows the status of the 24 graphic designs and their production as of 31st March, 2016:

Thematic Area	Type of Tool	Subject	Status
Composting	Poster	Waste a hidden treasure	Approved, printed and 92% distributed
	Factsheet	Good and bad practices of WM	
	Factsheet	Aid to composting	
	Billboard	Waste a hidden treasure	
	Booklet	Composting handbook	
Groundwater Recharge	Poster	Groundwater lens	Approved, printed/installed, 92% distributed.
	Factsheet	Ground water recharge options	
	Factsheet	Groundwater depletion	
	Billboard	Groundwater depletion and recharge	
E-newsletter	E-newsletter	Design and content for e-newsletter	E-newsletter for January, February and March were finalized and displayed on the project notice board in Hinnavaru – FENAKA premises
Rainwater Harvesting/ Climate Change	TV Spot	Rainwater harvesting techniques	Approved and disseminated through community sessions
	Poster	Rainwater harvesting techniques	Approved, printed and 92% distributed
	Factsheet	Rainfall patterns and projected changes due to climate change	Approved, printed and 50% distributed
	Billboard	Rainwater harvesting techniques	Approved - Installed
	Factsheet	Rainwater harvesting techniques	Approved, printed and 92% distributed

Thematic Area	Type of Tool	Subject	Status
Groundwater Pollution	Factsheet	Causes of water pollution	Approved, printed and 50% distributed
	Poster	Causes of water pollution	
	Factsheet	How to safeguard water	
	Poster	How to safeguard water	
Marine Pollution	Factsheet	Causes and effect of marine pollution	Approved, printed, 50% distributed
	Poster	Causes and effect of marine pollution	
Water Conservation	Poster	Water conservation	Approved, printed and 92% distributed
	Factsheet	Water conservation	
User pay principles	Factsheet	True cost of providing piped water to homes	Approved, printed, 30% distributed

The project team met with FENAKA in March and had a discussion about how the remaining material could be distributed in Hinnavaru. FENAKA offered to distribute the materials to the households in Hinnavaru with each monthly electricity bill.

Tasks 3.3: The project completed the SMS (phone text messages) activity in which we disseminated information on water management, composting, groundwater recharge and safer rain harvesting practices. The Maldives GCC project sent text messages with best practices tips to 480 school parents in Hinnavaru. The impact and feedback on this activity will be analyzed during the second calendar quarter of 2016.

Task 3.4: Chemonics recruited a consultant to develop the Water Management Plan for Hinnavaru during this quarter. The consultant conducted a workshop in Hinnavaru from 28th – 30th March. Personnel from all key entities from the island including the Island Council, Health Center, School, FENAKA and NGOs participated in this workshop.

The facilitator used a handbook developed by Chemonics to deliver the workshop. The handbook served as a guide to train a cohort of leaders from the island who would later on work as the “water management planning committee” in Hinnavaru. The training program - enabled the consultant to lead the participants through a process to develop their own conception of the components of an integrated water resource management plan, identify regulations that apply and assisted the participants to generate ideas to include in the island water management plan.. The consultant will compile the ideas proposed by the participants into a draft water management plan that will be shared with the Hinnavaru Island Council for their review and acceptance.

This activity will be completed in May 2016.

3.b. Activities Planned for Next Quarter

In accordance with the approved work plan, during the next quarter Chemonics plans to:

- Finalize and issue the e-newsletter for stakeholders for the months of April and May 2016
- Submit the water management plan to Hinnavaru Council.
- Distribute PAC materials on climate change, marine pollution, ground water pollution and user pay to the Hinnavaru community
- Conduct the evaluation of the awareness campaign

Challenges Encountered

The main challenge Maldives GCC encountered during this reporting period was closing down the project offices (Male' and Hinnavaru) and having staff work remotely. Despite the challenges in coordination that this arrangement poses, the team has executed high quality technical activities and has had no issues with coordination between members of the team.

SECTION III—CROSS CUTTING ACTIVITIES

1. Project Establishment

General Services Tax (GST) reimbursement: Chemonics submitted reimbursement claim number 3 on 23rd February to MEE and USAID covering the period of July 2014 to September 2015. We are awaiting a response from MEE whether the funds have been deposited into Chemonics account.

The project received reimbursements for deposits made to rent project office in Hinnavaru, project office in Male', the COP accommodation apartment and temporary office space at Hotel Octave. The project also received reimbursements for security deposits made to the telephone company, Dhiraagu.

2. Communications

The Maldives GCC project submitted project reports as per the contract's terms and reporting schedule. Additionally, during this quarter we contributed one project highlight to the Embassy's Office Information report.

The Ministry of Environment and Energy is continuing to upload photos of the project awareness materials on their Facebook account.

3. Performance Management

The TraiNet report with the training activities information for this period will be submitted in the last week of the project.

4. Gender

For all project awareness activities we have made special efforts to gain participation from both male and female participants. Personnel from Government institutions get formal release to attend activities by the project. However, most women who work in offices find it difficult to attend sessions in the day time as they also tend to household chores during the breaks they get. For the water management planning workshop we were only able to get participation from one woman, despite making many requests to the Island Councils to increase participation of women in the activity. The target group for this activity is government institutions and NGO's.

SECTION IV—QUARTERLY FINANCIAL REPORT

Line Items	Total Estimated Cost	January Invoice	February Invoice	March Invoice	Total Funds Expended Through March 2016	Pipeline (Funds Obligated - Expended Funds)	Pipeline as Percentage	Projected Funds Required
Total Salaries	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Total Fringe Benefits	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Total Overhead	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Travel & Transportation	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Allowances	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Other Direct Costs	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Equipment, Vehicles & Freight	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
Commodities/Construction/Other Plug Total	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Salaries</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Fringe Benefits</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Overhead</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Travel & Transportation</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Allowances</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████
<i>Other Direct Costs</i>	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████

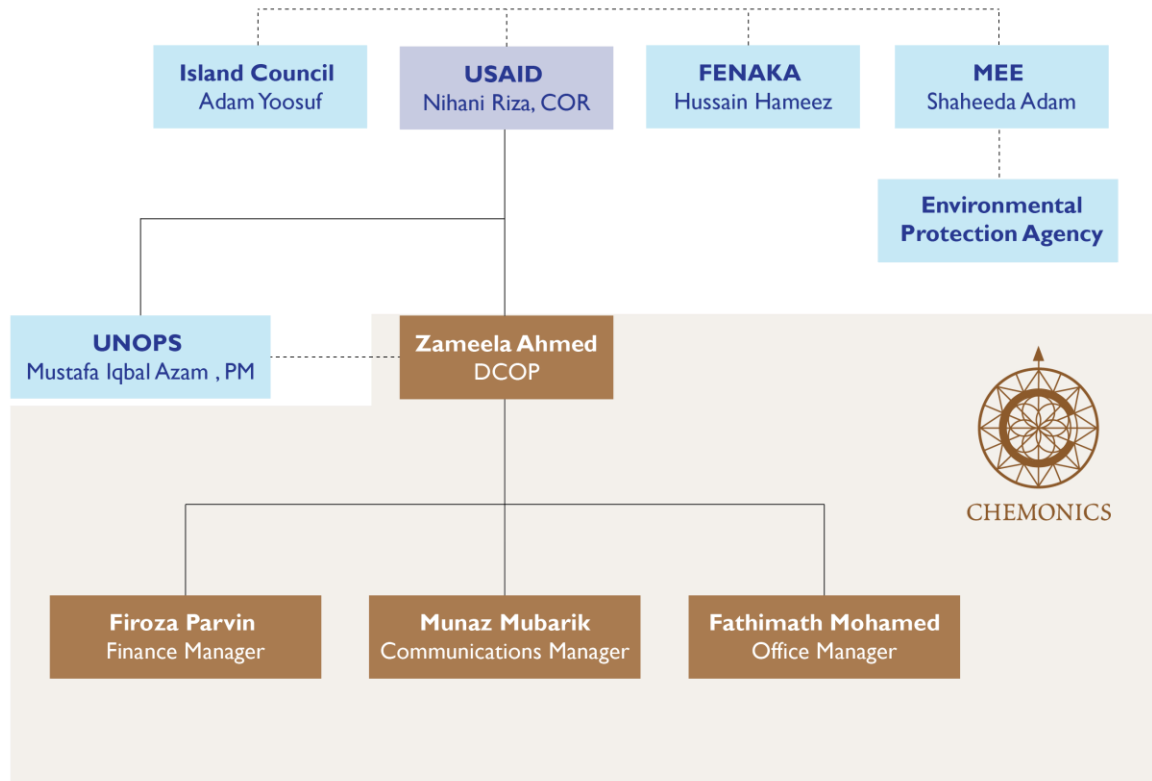
<i>Subcontractors</i>	██████	██████	██████	██████	██████	██████	██████	██████
<i>General & Administrative</i>	██████	██████	██████	██████	██████	██████	██████	██████
Training	██████	██████	██████	██████	██████	██████	██████	██████
Subcontractors	██████	██████	██████	██████	██████	██████	██████	██████
Grants	██████	██████	██████	██████	██████	██████	██████	██████
Subtotal, Items I-XI	██████	██████	██████	██████	██████	██████	██████	██████
General & Administrative	██████	██████	██████	██████	██████	██████	██████	██████
Subtotal, Items I-XII	██████	██████	██████	██████	██████	██████	██████	██████
Fixed Fee	██████	██████	██████	██████	██████	██████	██████	██████
Total	██████	██████	██████	██████	██████	██████	██████	██████

ANNEX A—MEP SUMMARY PROGRESS REPORTING TABLE

Std Indicator Number	Indicator	Agreed Program Targets		Previous Results (Y1-Y2)		New Baseline Value		Actual Targets Achieved for Quarter		Actual Cumulative Targets Achieved to Date	
IR 1: Increased island resident capacity to adapt to the impacts of climate change											
4.8.2-26	Number of stakeholders with increased capacity to adapt to the impacts of climate change as a result of USG assistance.	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		195	195	83	87	0	0	0	0	66	140
<i>Sub IR 1.1: Increased island resident awareness of climate change adaptation and water resource management principles</i>											
Custom 1	Number of island residents receiving information about global climate change and water resource management best practices.	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		979	979	521	457	0	0	0	0	119	594
4.8.2-6	Number of people receiving training in global climate change as a result of USG assistance.	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		148	147	37	40	0	0	11	1	106	225
<i>Sub IR 1.2: Increased availability of climate change adaptation tools and technologies for island residents</i>											
Custom 2	Number of climate adaptation and water resource management tools and technologies developed and tested for island residents.	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM
		13	14	1	1	0	0	0	1	11	15
IR 2: Service providers have the technology and capacity needed for sustainable, environmentally-sound service delivery											
4.8.2-14	Number of institutions with improved capacity to address climate change issues as a result of USG assistance.	GOM	NGO/Local	GOM	NGO/Local	GOM	NGO/Local	GOM	NGO/Local	GOM	NGO/Local
		4	9	1	2	0	0	0	0	4	3
Custom 3	Proportion of Hinnavaru utility customers who pay their water bill in full within 30 days of presentation.	Paid/All Customers		Paid/All Customers		Paid/All Customers		Paid/All Customers		Paid/All Customers	
		475 / 700		N/A		25 / 50		0		0	
<i>Sub IR 2.1: Service providers trained in water resource management processes</i>											
Custom 4	Number of person hours of training completed in water resource management processes.	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
		1,791	200	541	0	0	0	394.7	381.3	494.42	198.05
<i>Sub IR 2.2: Increased availability of climate change adaptation tools and technologies for service providers</i>											
Custom 5	Number of climate adaptation and water resource management tools and technologies developed and tested for service providers.	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM	Adaptation	WRM
		1	15	0	4	0	0	1	6	1	6

ANNEX B—MALDIVES GCC ORGANIZATIONAL CHART

Organization Chart | USAID Maldives GCC Project



MEE - Ministry of Environment and Energy
Island Council - Hinnavaru Island Council
USAID - United States Agency for International Development
UNOPS - United Nations Office for Project Services
FENAKA - Maldives National Utility for Water (Fen), Sewage (Narudhama), and Electricity (Karantu)
DCOP - Deputy Chief of Party
PM - Project Manager

Chemonics International
 Project Stakeholders

ANNEX C—MALDIVES GCC PRODUCTS

Technical

Title	Type	Status
Climate Vulnerability Assessment – Islands of Dhidhdhoo and Hinnavaru, The Maldives	Assessment	Approved, February 2012
Maldives Water and Sewer Tariffs: Current Framework and Policies	Assessment	Approved, June 2012
Financial Analysis of Water and Sewer Sector Infrastructure Alternatives – Islands of Dhidhdhoo and Hinnavaru	Assessment	Approved, June 2012
Utility Service Delivery and Institutional Capacity Assessment	Assessment	Approved, June 2012
Improving Water Security through Effective Rainwater Harvesting in Dhidhdhoo and Hinnavaru, the Maldives: Balancing Local Water Use with Rainfall for Sustainable Water Resources	Assessment	Submitted, December 2012
Social and Community Development Assessment report of Hinnavaru and Dhidhdhoo	Assessment	Submitted, December 2012
Island Communication Strategy and Plans	Plan	Approved, August 2012
Preliminary Assessment Report	Assessment	Approved, December 2012
Assessment of SWRO Plant in Dhidhdhoo	Report	Approved, August 2012
Household profiling survey in Dhidhdhoo and Hinnavaru	Survey	Completed, October 2012
Survey of Public Rainwater Harvesting Systems in Dhidhdhoo and Hinnavaru	Survey	Completed, October 2012
Survey of household septic tanks and connections to central sewerage system In Dhidhdhoo and Hinnavaru	Survey	Completed, October 2012
Presentation to Maldives GCC Project Steering Committee (PowerPoint)	Presentation	Completed, June 27, 2012
Presentation at GIZ Workshop (PowerPoint)	Presentation	Completed, July 2, 2012
Presentation of PAR to Ministry (PowerPoint)	Presentation	Completed, December 17, 2012

Maldives Water and Sewer Tariff-Setting Policy and Procedures	Report	Approved, May 2013
Assessment of Management Systems - FENAKA	Report	Approved, February 2015
Assessment of New Billing System - FENAKA	Report	Approved, February 2015
Value Engineering	Report	Approved, July 9, 2015
Environmental Mitigation and Monitoring Plan	Report	Approved, October 13, 2015
Emergency Plan for FENAKA utility in Hinnavaru	Report	Approved, October 13, 2015
Recommendations for Supply Chain Management	Report	Submitted to stakeholders on March 18, 2016
Recommendations for Supply Chain Management	Report	Submitted to stakeholders on March 18, 2016
Performance Evaluation and Monitoring System	Tool	Submitted to stakeholders on February 10, 2016

Management

Title	Type	Status
Branding Implementation Plan and Marking Plan	Plan	Approved April 2012
Performance Management Plan	Plan	Approved, March 2012
Performance Management Plan (Year 2 Revision)	Plan	Approved, December 2012
Performance Management Plan Year 2 Update	Report	Approved, December 2012
Grants Management Manual	Plan	Approved, February 2012
Year 1 Work Plan	Work Plan	Approved, March 2012

Title	Type	Status
Year 2 Work Plan	Work Plan	Approved, January 2013
Memorandum of Understanding between Maldives Environmental Management Project(MEMP) and USAID's Enhancing Climate Resiliency and Water Security Project in the Maldives (Maldives GCC)	MOU	Final, July 9, 2012
Quarterly Performance Report for October –December 2011	Report	Approved, March 2012
Quarterly Performance Report for January – March 2012	Report	Approved, June 2012
Quarterly Performance Report for April – June 2012	Report	Approved, August 2012
Quarterly Performance Report for July – September 2012	Report	Approved, November 2012
Quarterly Performance Report for October—December 2012	Report	Approved, March 2013
Quarterly Performance Report for January—March 2013	Report	Approved, May 2013
Quarterly Performance Report for April-June 2013	Report	Approved, July 2013
Quarterly Performance Report for July-September 2013	Report	Approved, October 2013
Quarterly Performance Report for October – December 2013	Report	Approved, January 2014
Annual Work Plan, Years 3 & 4	Report	Approved, August 2014
Quarterly Performance Report for January--March 2014	Report	Approved, April 2014
Quarterly Performance Report for April--June 2014	Report	Approved November 2014
Quarterly Performance Report for July--September 2014	Report	Approved November 2014
Quarterly Performance Report for October—December 2014	Report	Approved March 2015

Title	Type	Status
Quarterly Performance Report for January – March 2015	Report	Approved May 8, 2015
Quarterly Performance Report for April – June 2015	Report	Approved August 6, 2015
Annual Work Plan – Year 5	Report	Approved November 19, 2015
Quarterly Performance Report for July – September 2015	Report	Approved on November 2, 2015
Quarterly Performance Report for October – December 2015	Report	Approved on March 27, 2016

ANNEX D—MALDIVES QUARTERLY EXPENDITURES BY TASK

Task Order Component/Task Based Budget	Budget	Billed thru FY2016 Q1	FY2016 Q2 Expenditures	Cumulative Expenditure thru FY2016 Q2	Balance
Task 1: Assessment, Design, Mobilization	██████████	██████████	██████████	██████████	██████████
Task 2: Institutional Strengthening	██████████	██████████	██████████	██████████	██████████
Task 3: Enhancing Community Knowledge, Skills, and Attitudes	██████████	██████████	██████████	██████████	██████████
Task 4: Service Delivery and Technological Innovation	██████████	██████████	██████████	██████████	██████████
Task 5: Expanded Focus on Provincial Utility Capacity	██████████	██████████	██████████	██████████	██████████
Task 6: Expanded Focus on Utility Regulatory Oversight	██████████	██████████	██████████	██████████	██████████
Total	██████████	██████████	██████████	██████████	██████████