

Annual Performance Report (APR)

Reference Number (FP094): Ensuring climate resilient water supplies in the Comoros Islands

**Annual Reporting Period Covered in this Report:
(From 01-01-2019 to 31-12-2019)**

Sections in this report:

- Section 1: General Information
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SUBMITTED BY	
<i>Mr. Julien Simery Regional Technical Advisor</i>	<i>28 Feb 2020</i>
<i>Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity Yes</i>	<i>Date of submission to NDA: 28/02/2020</i>

SECTION 1: GENERAL INFORMATION	
This section provides general information on the funded activity.	
1. Funded Activity Title:	<i>Ensuring climate resilient water supplies in the Comoros Islands</i>
2. Funding Proposal Number:	<i>(FP094)</i>
3. Date of Board approval - Board Meeting Number:	<i>10/20/2018 B.21</i>
4. Accredited Entity:	<i>United Nations Development Programme</i>
5. Focal Point of the Accredited Entity for this Project:	<i>Julien Simery Email : Julien.simery@undp.org</i>
6. Executing Entity(ies):	<i>Ministry of Agriculture, Fisheries and the Environment</i>
7. Implementation Period:	<i>From:6/25/2019 To:6/25/2027</i>
8. Current year of Implementation:	<i>Year 1</i>
9. Date of Submission of the Report:	<i>2/28/2020</i>
10. Annual Reporting period covered in this report:	<i>From:6/25/2019 To:12/31/2019</i>
11. Total Project Budget ¹ :	<i>Loan: USD 0 Grant: USD 60,751,495</i>
12. Total amount of GCF Proceeds Approved:	<i>Loan: USD 0,00 Grant: USD 41,919,808</i>
13. Total amount of GCF Proceeds disbursed (cumulative) to the Accredited Entity:	<i>Loan: USD 0,00 Grant: USD 2,950,847</i>

¹Total project budget including co-financing as reflected in the relevant Funded Activity Agreement.

SECTION 2: IMPLEMENTATION PROGRESS

2.1 OVERALL (SUMMARY) PROJECT PROGRESS (*less than one (1) page*²).

The following progress was made during the first 6 months of project implementation:

- Effective setting up of the project management unit: At this stage, the national coordinator, the three island technical officers, the communication specialist, the environmental protection expert, the hydrogeologist expert, the finance analyst and the procurement specialist for the project have been recruited through the United Nations Volunteers (UNVs) program;
- Official launch of the Project on 4th November 2019 in Ndzouani Island by the President of the Union of the Comoros in the presence of the populations of the target communities and the technical and financial partners of the Project as well as civil society and private sector organizations³;
- promote the visibility of project activities in traditional media and social networks ⁴;
- Organization of the project start-up workshop from November 6th to 8th 2019, which enabled an assessment of the level of influence (power & interest) of the stakeholders in the sector and the appropriation of the procedures and requirements of the Green Climate Fund by the responsible parties;
- Holding of the first meeting of the project steering committee on November 5th 2019, which enabled the validation of the project planning and management tools, including the annual and multi-year work plan, the procurement plan and the implementation plan of the project activities;
- Purchase of computer equipment for the project team: the project has acquired through UNDP operations services the computer equipment including computers, software licenses as well as printers and projection equipment.
- Acquisition of office furniture from new additional co-financing from UNDP;
- Finalization of the identification process and recruitment of the company in charge of carrying out the geophysical prospecting campaign for the mobilization of potentially exploitable groundwater in the project target areas;
- Completion of the baseline assessment of the project's performance indicators;
- Process launch for the preparation of the draft law on the water code;
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In addition, the advocacy carried out by UNDP to mobilize co-financing for the project made it possible to materialize the commitment of FADES to finance the study of the water supply system in localities in zone 1.

² Please remove text below to fit report to one page. Additional reports can be provided as other attachment to the APR.

³ <https://www.adaptation-undp.org/node/5860>

⁴ <https://www.facebook.com/er2c.comoros/><https://twitter.com/Er2cC>

YouTube: ER2C Comoros

flickr: ER2C COMOROS

2.2 Performance against the GCF Investment Criteria (summary) (max two (2) pages).

2.2.1 Impact Potential (max one (1) page).

The climate impact potential of the project is based on an integrated, comprehensive and participatory approach to reduce hydrological risks (drought and floods) and increase the resilience of a reliable and secure supply to climate stress. At this stage of the project no major impacts were achieved given the project only started in June 2019

2.2.2 Paradigm shift potential (max one (1) page).

The project aims to overcome critical barriers to increase climate resilience in the water sector, in particular lack of financial resources, lack of coordination and cooperation among stakeholders, lack of knowledge and data, and lack of technical capacity. During the reporting period, there is no change in the expected paradigm shift potential as described in the approved FP.

2.2.3 Sustainable development potential (max one (1) page).

As the project is in its start-up phase, during this reporting period no changes were made to the sustainable development potential as described in the approved FP.

2.2.4 Needs of the recipient (max one (1) page).

The first Steering Committee organized just after the project launch gave the project an opportunity to hear the needs of the recipients and take into account some realities and changes that occurred during the years between the project design and the actual launch. This includes taking into account new laws passed by the Government of Comoros for the water sector and ensuring that the SONEDE, a newly created water agency in Comoros, is fully recognized as a main stakeholder in the project, despite not being recognized as such in the FP, which was developed before its creation. The project was launched in the three islands of Comoros, this was especially important to build momentum behind the project, especially towards communities that have anticipated the start of this project for years.

2.2.5 Country Ownership (max one (1) page).

The official launch of the project was made under the high patronage of the President of the Republic. This launch was attended by members of the government and the autonomous islands, civil society, the private sector and the target populations, including the association known as the National Network of Women Mediators for Peace, which is one of the most influential national associations at the national level, participated in the launch of the project. the association is a member of the project steering committee.

Under the National Implementation Modality (NIM) adopted for this Project, the Government of the Union of the Comoros through the Ministry of Agriculture, Fisheries and Environment (MAPE) co-signed letters of agreement with the identified responsible parties to facilitate the implementation of this project (SONEDE, ANACM, DGEME). The country's ownership during the reference period was also confirmed by the signature of commitment letters with the responsible parties of project.

2.2.6 Efficiency and Effectiveness (max one (1) page).

One of the results of this short reference period is the realization of the study of zone 1 on the co-financing of the FADES, which will make it possible to start the drinking water supply works in zone 1 of the Project. The study is necessary to raise the underground water resources potentially exploitable in periods of prolonged drought to carry out water supply infrastructure resilient to climate change UNDP provided additional resources to bring the project team on board before GCF funds were disbursed to UNDP, UNDP also funded activities related to the sensitization of all stakeholders for the official launch of the Project on 04 November 2019. This includes meetings with communities in the target areas to exchange about the project and its implementation. The project team has identified strategies to make procurement of strategic technical services more effective. This includes calls of interests to identify competent firms in the region and the creation of long term agreements to ensure technical expertise can be mobilized upon demand on short notice. This exercise, at the earliest stage of the project start are expected to greatly help the project with implementation and is the result of lessons learnt by UNDP in supporting the implementation of other GCF-funded project.

2.3 PROJECT OUTPUTS IMPLEMENTATION STATUS			
Project Output	Project Activity	Status ⁵	Implementation progress (%)
Output 1 Climate informed water supply planning and management	<i>Project Activity 1.1 Prepare recommendations and legal guidance on the integration of climate change adaptation into the national (federal) and regional (state) water sector agencies governance frameworks, regulations and operations</i>		Activity Started - progress on track (15%)
	<p>Launching of the process of preparing the draft bill on the water code taking into account climate change, gender equity and the principle of the right of access to drinking water. This process mobilized the technical expertise necessary to support the government in preparing this preliminary draft law on the water code. A draft version of the document was the subject of a series of consultations with stakeholders.</p>	<p>Please include a list of key milestones and deliverables expected to be executed in the next reporting period.</p> <ul style="list-style-type: none"> • Mobilization of international and national expertise to support the process of preparation of the preliminary draft and the drafting of the implementing legislation for the Water Code; • Coordination with stakeholders in the water sector on the roles and responsibilities of state institutions in water management issues; • Technical support to the Ministry in charge of water for the preparation and validation of the draft law on the water code at the National Assembly (includes preparation of supporting documents for parliamentary committees). 	
Output2 Climate Informed Water Resources and Watershed Management including forecasting and early warnings of climate risks	<i>Project Activity 2.4 Establish water resource monitoring network and upgrade the existing monitoring infrastructure to enable the collection of the required climate/weather data</i>		Activity Started - progress on track (2%)
	<p>The process of acquiring and installing meteorological/hydrological equipment for the monitoring of climate data has been launched and the provider has been identified.</p>	<p>Please include a list of key milestones and deliverables expected to be executed in the next reporting period.</p> <ul style="list-style-type: none"> • Installation of state-of-the-art meteorological equipment (piezometric, hydrological, climatological and agrometeorological stations) • Training of technicians from the Technical Directorate of Meteorology (ANACM), SONEDE and DGEME for the implementation, installation and maintenance of equipment. 	
Output 3. Improved water access	<i>Project Activity 3.1 Undertake climate risk assessments of existing groundwater abstraction wells to develop risk reduction pumping strategies, and construction of additional boreholes in zones at risk of drought water scarcity in Grande Comore</i>		Activity Started - progress on track (5%)

⁵Activity Not Yet Due; Activity Started -ahead of schedule; Activity started – progress on track; Activity started but progress delayed; Activity start is delayed.

<p>through Climate Resilient Water Supply Infrastructure</p>	<p>The process of recruiting a specialized consulting firm for the geophysical prospecting campaign has led to a contract with a company to identify water resources potentially exploitable drilling zones in the project's target areas. In the same vein, a national consultant specialized in this field was recruited to ensure the validation and the certification of the work methodology and the service (monitoring and quality control) in general.</p>	<p>Please include a list of key milestones and deliverables expected to be executed in the next reporting period.</p> <ul style="list-style-type: none"> • The mid-term report of the hydrogeological study is expected in early February 2020; • The final report on the geophysical survey of the six intervention zones of the project is planned for the end of March 2020; • The final report on the certification of the hydrogeological and prospecting studies is scheduled for early April; • Undertake climate risk assessments of existing groundwater abstraction wells to develop risk reduction pumping strategies, and construction of additional boreholes in zones at risk of drought water scarcity in Grande Comore 	
<p>Project Activity 3.2 Build infrastructure to increase resilience of water supply facilities to extended duration low flow periods, greater intensity flood flow damage and flood flow higher turbidity and bacteria loadings (Grande Comore, Anjouan island and Mohéli island)</p>		<p>Activity Started - progress on track</p>	<p>(5%)</p>
	<p>The detailed design study for the implementation of the climate-resilient drinking water supply system for Zone 1 localities has already been completed. The process of recruiting an international expert to review and certify this study is underway.</p>	<p>Please include a list of key milestones and deliverables expected to be executed in the next reporting period.</p> <ul style="list-style-type: none"> • Recruitment of an international expert to validate the drinking water supply study for zone 1 of the project; • implementation in zone 1 of water storage tanks, treatment units, water supply network; • Recruitment of a consulting engineering firm specialized in the design of water supply systems for the realization of summary and detailed preliminary design studies (APS/APD) and in the drafting of tender documents. • Acquisition and installation of ecotank units • Recruitment of a national consultant for the design of micro-basins • Construction of 30 micro-basins on the three islands (Anjouan Mohéli and Grande Comores) 	

2.4 PROGRESS UPDATE ON THE LOGIC FRAMEWORK INDICATORS⁶

2.4.1 PROGRESS UPDATE ON FUND-LEVEL IMPACT INDICATORS OF THE LOGIC FRAMEWORK

<i>Fund-level impact Core indicators⁷ Adaptation)</i>	<i>Baseline</i>	<i>Current value⁸</i>	<i>Target (mid-term)</i>	<i>Target (final)</i>	<i>Remarks (including changes⁹, if any)</i>
<i>A2.0 Increased resilience of health and well-being, and food and water security</i>	2019	2019	2023	2027	
	13,500 residents in the target zones	13,500	150,000 residents in the target zones 76,500 Females 73,500 Males	450,000 residents in the target zones 229,500 Females 220,500 Males	<i>Baseline value revised following the baseline assessment (the revision of the baseline assessment might determine the current female/male resident ratio)</i>
	<i>No national and island agencies incentivizing climate resilience and forming IWRM Committee</i>	<i>No national and island agencies incentivizing climate resilience and forming IWRM Committee</i>	<i>2 National agencies (DGEME and MEAFE) and 2 Island Agencies (Regional Water and Sanitation Directorates - DREAs) annual workplan and multiyear investment plans include adaptation measures</i>	<i>4 National agencies (DGEME, CSRH, 1 ANACM, DGEF) and 3 Island Agencies (DREAs) annual workplan and multiyear investment plans include adaptation measures</i>	
	<i>Fragmented water governance - no effective coordination mechanism in place Level=1</i>	<i>Fragmented water governance - no effective coordination mechanism in place Level=1</i>	<i>1 National IWRM coordination mechanism/ committee Level=2</i>	<i>1 National IWRM coordination mechanism/ committee Level=4 3 Island IWRM coordination mechanism/ committees Level=4</i>	
<i>A5.0 Strengthened institutional and regulatory systems for climate-responsive planning and development</i>					
<i>A6.0 Increased generation and use of climate information in decision-making</i>	0%	0%	20% of the officials using climate information to	100% of the officials using climate information to	

⁶ Per the approved methodology in and the Logic Framework in the Funding Proposal, please provide an update on the relevant indicators.

⁷ As per the relevant indicators established in the Funding Proposal and the Performance Measurement Framework, including all indicators approved by the Board and relevant updates agreed with GCF, if applicable.

⁸ As of 31 December of the relevant year.

⁹ Related to the approved indicators and targets in the Logic Framework.

			<i>advise watershed risk reduction plans and drinking water safety and security planning</i>	<i>advise watershed risk reduction plans and drinking water safety and security planning</i>	
<u>A7.0 Strengthened adaptive capacity and reduced exposure to climate risks</u>	0	0	<i>150,000 beneficiaries using climate information to increase drought resilience and reduce vulnerability to flooding 76,500 Females 73,500 Males</i>	<i>335,000 beneficiaries using climate information to increase drought resilience and reduce vulnerability to flooding 170,850 Females 164,150 Males</i>	
	0	0	<i>150,000 residents total in target areas 76,500 Females 73,500 Males</i>	<i>335,000 residents total in target areas 170,850 Females 164,150 Males</i>	
<u>A8.0 Strengthened awareness of climate threats and risk-reduction processes</u>	0	0	<i>150,000 residents total in target areas 76,500 Females 73,500 Males</i>	<i>450,000 residents total in target areas 229,550 Females 220,500 Males</i>	

2.4.2 PROGRESS UPDATE ON PROJECT/PROGRAMME LEVEL INDICATORS OF THE LOGIC FRAMEWORK¹⁰					
Project/Programme indicators (Mitigation/Adaptation)	Baseline	Current value¹¹	Target (mid-term)	Target (final)	Remarks (including changes¹², if any)
1. Strengthened enabling environment for climate informed water supply planning and management					
1.1 Number of primary and Secondary³ water related legislations and regulations mainstreaming climate risks/adaptation	0	0	1 Water Code (primary) revised to integrate climate resilient Drinking Water Security and Safety Planning	1 Water Code (primary) formally ratified 2 Climate resilience focused water abstraction and water quality regulation (secondary) drafted and ratified	
1.2 Number of water service providers within target zones using Drinking Water Safety and Security Planning	0	0	6 target zone Water service providers using Water Security Plans that can accommodate climate extremes (drought & flood)	15 target zone Water service providers using Water Security Plans that can accommodate climate extremes (drought & flood)	
1.3 Percentage of Water Management Committees with women leading discussions on the integration of climate-informed practices into water management		0%	40%	100%	
2. Climate Informed Water Resources and Watershed Management including forecasting and early warnings of climate risks					
2.1 Number of IWRM Management Committees established with a climate resilience mandate in target watersheds		0	15 catchment specific committees established that prioritize water sector climate resilience	32 catchment specific committees established that prioritize water sector climate resilience	
2.2 Level⁵ of integration of climate information products and services (CIPS) for EWS in watershed management by IRWM management committees	Level=1	Level=1	Level=2	Level=4	

¹⁰As per the relevant indicators established in the Funding Proposal and the Performance Measurement Framework, including relevant updates agreed with GCF, if applicable.

¹¹As of 31 December of the relevant calendar year.

¹² Related to the approved indicators and targets in the Logic Framework.

2.3 Number of meteorological workers with the capacity to analyze climate information and model flood forecasts	10 workers with relevant capacities	10 workers with relevant capacities	20 workers with relevant capacities	30 workers with relevant capacities	
2.4 Proportion of female and male farmers acting upon advisories for water management out of total number receiving such advisories	0	0	30% target female and male farmers acting upon advisories for water management	55% target female and male farmers acting upon advisories for water management	
3. Improved water access through Climate Resilient Water Supply Infrastructure					
3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits, reported and where applicable	0	0	10 covered storage units, 5 treatment systems, 8 new and protected water sources for a value of US\$ 3,911,551.57	30 covered storage units, 14 treatment systems and 22 new and protected water sources for a value of US\$ 13,989,495.88	The geophysical prospecting campaign is underway to identify potentially exploitable drilling areas. The study will allow drilling and catchments to be carried out. This is how we could track and update the indicator
3.2 Number of households in Grand Comore receiving water throughout in dry season	4785	4785	15,000 total households (of which 7,650 are female headed households) with access to water in dry season	30,000 total households (of which 15,300 are female headed households) with access to water in dry season	The detailed pre-project study for the implementation of the climate change resilient water supply system for the 39 localities of Zone 1 of the project is carried out. The construction works of the water supply network of this locality will start in 2020; in the following years, we will measure the progress made through this indicator
3.3 Number of Households in Anjouan and Moheli receiving drinking water throughout storm events (disaggregated for female headed households).	0	0	5,000 totals households (of which 2,550 are female headed households) with access to water during storm events	20,000 totals households (of which 10,200 are female headed households) with access to water during storm events	

2.5 IMPLEMENTATION CHALLENGES AND LESSONS LEARNED

Describe implementation challenges faced during the last reporting period, including measures adopted and lessons learned. If any issues have arisen in the last twelve (12) months of implementation that may result in a change to the scope and/or timing of the project, please provide a description of those items and how they have impacted the implementation period and final targets.

Challenge encountered	Type¹³	Measures adopted	Impact on the project implementation¹⁴	Lessons learned and Other Remarks
<i>Timely mobilization of the technical expertise required for the implementation of the Project activities.</i>	<i>Procurement</i>	<i>The purchasing and recruitment plans were drawn up well before the start of the project; which made it possible to anticipate certain purchasing and recruitment processes. the use of social networks and local media have made it possible to reach as many potential. candidates as possible during the recruitment process</i>	<i>Minor / Solved</i>	<i>The anticipatory approach materialized by the development of procurement planning tools prior to the launch of the project proved to be a decisive element in the setting up of the technical and project management teams.</i>
<i>The adoption of a schedule for the launch workshop suiting the authorities (almost all the ministries were involved) and other stakeholders in the project and the members of the steering committee</i>	<i>Implementation</i>	<i>Proposal of a calendar with 3 options and taking into account the major events planned, which the stakeholders could be involved in.</i>	<i>Minor / Solved</i>	<i>Plan in advance an inclusive mechanism for consultation on the dates and location of the launch workshop.</i>
<i>The absence of geophysical prospecting companies in the Comoros specializing in the identification of potentially exploitable groundwater.</i>	<i>Procurement</i>	<i>Adoption of an identification approach focusing on the regional market and oriented towards companies with proven experience in this field in the Comoros.</i>	<i>Moderate</i>	<i>Adopt a call for expression of interest approach prior to the launch of the project in order to set up a pool of companies likely to carry out the work.</i>

2.6 REPORT ON CHANGES DURING IMPLEMENTATION (include actual and expected changes)

Describe changes to the project during the reporting period. In particular, the report should cover elements such as change of beneficial ownership structure, management changes of the Accredited Entity, policies and other elements relevant for the project, and any other material change that could influence the overall outcome of the project.

No changes occurred.

¹³Implementation; Legal; Financial; Environmental/Social; Political; Procurement; Other; AML/CFT; Sanctions; Prohibited Practices.

¹⁴ Minor/Solved; Moderate; High.

SECTION 3: FINANCIAL INFORMATION

			GCF Financing Only	
			CUMULATIVE THROUGH TO THE END OF THIS RE- PORTING PERIOD	FOR THE CURRENT REPORTING PERIOD
			USD	USD
3.1.1	Opening Fund balance			
		Opening balance ¹		-
3.1.2	Funded Activity Inflows			
a		Funded Activity Proceeds from GCF to AE:		
i.		Grant Instrument	2,950,847.00	2,950,847.00
ii.		Loan Instrument		
iii.		Equity Instrument		
iv.		Guarantee Instrument		
b		Reflowed funds to the AE		
c	Investment & Other Income			
Total Inflows			2,950,847.00	2,950,847.00
3.1.3	Funded Activity Outflows			
a	Amount used for the Funded Ac- tivity	Grant expenditure	107,384.55	107,384.55
b		Loan disbursed or used ²		
c		Equity paid		
d		Guarantees exercised		
Sub-total Funded Activity Outflows			107,384.55	107,384.55
a	Reflowed Funds	Reflowed funds paid to GCF		
Sub-total Reflowed Funds			-	-
Total Outflows			107,384.55	107,384.55
3.1.4	Closing Balance			2,843,462.45
				2,843,462.45

1/ Opening balance should correspond to the closing balance of the prior reporting period

2/ Loan disbursed or used by the AE out of GCF Proceeds

SECTION 4: REPORT PROJECT SPECIFIC ON ENVIRONMENTAL AND SOCIAL SAFEGUARDS & GENDER

4.1 IMPLEMENTATION OF ENVIRONMENTAL AND SOCIAL SAFEGUARDS AND GENDER ELEMENTS (max 1 page)

Please provide information on the project or program on the following: (1) key risks and impacts as identified; (ii) compliance with applicable laws and regulations including FAA conditions and covenants; and (3) progress in the implementation of environmental and social management plans and programs including monitoring activities undertaken during the implementation of the funded activity.

(1) The information includes description on any changes in the key environmental and social risks and impacts as identified and arising from the implementation including any unanticipated risks and impacts (ex. from changes in laws and regulations) and, based on these if any change in the project's environmental and social risk category. In case of a change in the E&S risk category for the project, please provide an explanation.

During the reporting period on project implementation, there has been no change in the risks and impacts identified during the development of the SESP and the Environmental and Social Management Framework. The project risk is still Moderate.

The safeguard was recruited in November 2019. During this period, the expert's activities focused on the integration of environmental and social measures in the tender dossier for the completion of the geophysical campaign; the study of the water supply of zone 1 of the project; as well as in the draft preliminary laws on the water code

*(2) The information should include status of compliance with applicable laws and regulations of the country as well as the relevant conditions or covenants under the FAA. This can be captured in the table below:
Status of compliance with applicable laws and regulations and the conditions and covenants under FAA*

Applicable laws and regulations/conditions and covenants	Status of compliance
<p>FAA Clause 7.01 This Agreement shall enter into effect on the date upon which the Fund dispatches to the Accredited Entity a notice of its acceptance of the evidence specified below ("Effective Date"):</p> <p>(a) A duly authorized and executed copy of this Agreement by the Accredited Entity;</p> <p>(b) A certificate issued by the Accredited Entity's most senior legal officer, in a form that is satisfactory to the Fund, certifying that this Agreement entered into by the Accredited Entity has been duly authorized or ratified by all necessary corporate actions, duly executed and delivered on behalf of the Accredited Entity, and is legally binding and enforceable upon the Accredited Entity in accordance with its terms; and</p> <p>(c) An indicative disbursement schedule by the Accredited Entity indicating month and year for the Disbursement of the GCF Proceeds by the Fund to the GCF Account for the implementation of the Funded Activity.</p>	<p>FAA clause 7.01(a - c) has been fulfilled as of 25 June 2019.</p>
<p>FAA Clause 9.01 The obligation of the Fund to make any Disbursement under this Agreement shall be subject to the following conditions having been fulfilled to the satisfaction, in form and substance, of the Fund:</p> <p>(a) General conditions for all Disbursements:</p> <p>(i) Other than in relation to the first Disbursement, submission to the Fund by the Accredited Entity of evidence that at least seventy per cent (70%) of the funds previously disbursed by the Fund have been spent for Eligible Expenditures;</p> <p>(ii) Other than in relation to the first Disbursement, submission to the Fund by the Accredited Entity of APRs and Financial Information in accordance with the AMA;</p>	<p>FAA clause 9.01 (a)(iii - v) and (b) for first disbursement has been submitted and fulfilled as of 1st October 2019.</p> <p>FAA clause 9.01 (a) for second disbursement will be submitted at the second disbursement request period which is expected to occur in October 2020.</p>

<p>(iii) Delivery to the Fund by the Accredited Entity of a Request for Disbursement, signed by the person or persons authorized to do so, within thirty (30) calendar days prior to the date on which the Disbursement is requested to be made, which shall not be later than the Closing Date;</p> <p>(iv) Delivery to the Fund by the Accredited Entity of evidence indicating the status and amount of the Co-financing disbursed and applied to the implementation of the Funded Activity up to the date of the Request for Disbursement made by the Accredited Entity; and</p> <p>(v) Confirmation to the Fund by the Accredited Entity that there is no event of default occurring with respect to this Agreement and/or the Subsidiary Agreement.</p> <p>(b) Conditions precedent to first Disbursement:</p> <p>(i) Effectiveness of this Agreement;</p> <p>(ii) Delivery to the Fund by the Accredited Entity of an executed copy of the Subsidiary Agreement, in the form of a Project Document, between the Accredited Entity and the Executing Entity; and</p> <p>(iii) Delivery to the Fund by the Accredited Entity of evidence of the authority of the person or persons authorized to sign each Request for Disbursement (with respect to the GCF Proceeds and Accredited Entity Fees) under this Agreement and the authenticated specimen signature of each such person;</p>	
<p>FAA Clause 10.02</p> <p>In addition to Clause 18.02 of the AMA, the Accredited Entity covenants that as from the Effective Date of this Agreement it shall:</p> <p>(a) Ensure that no GCF Proceeds are transferred to the Executing Entity if a default has occurred under the Subsidiary Agreement;</p> <p>(b) Upon request by the Fund, inform the Fund on the status of the Co-financing funds that have been disbursed and applied to the implementation of the Project activities;</p> <p>(c) Confirm to the Fund, in the APRs to be submitted to the Fund, that the Executing Entity has allocated in its annual budget the relevant Co-financing resources for the implementation of the Project to the satisfaction of the Accredited Entity;</p> <p>(d) Ensure that the Co-financing provided by or flowing through the Accredited Entity for the execution of the Funded Activity is obtained from and contributed by the Accredited Entity in a timely manner;</p> <p>(e) Take appropriate measures to ensure that the Co-financing and the GCF Proceeds are disbursed and/or applied proportionally and simultaneously for the implementation of the Funded Activity;</p> <p>(f) Undertake and/or put in place any adequate measures in order to ensure that the management of the environmental and social risks and impacts arising from the Funded Activity complies at all times with the recommendations, requirements and procedures set forth in the Environmental and Social Management Framework (“ESMF”) which was provided by the Accredited Entity to the Fund before the Approval Decision;</p> <p>(g) Ensure that the GCF Proceeds will not support or finance, directly or indirectly, any activities with potential environmental and social risks that are equivalent to category A pursuant to the Environmental and Social Risks Categories to be conducted as part of the Project;</p> <p>(h) Obtain, or ensure that the Executing Entity shall acquire, all necessary environmental licenses or clearances, land and rights in respect of land that are required to carry out the Funded Activity pursuant to the relevant laws, including deeds of donation or assignment of land use rights for land that will not be compensated, and shall promptly furnish to the GCF, upon its request, evidence, in form and substance satisfactory to the GCF, that such land and rights in respect of land are available for the purposes of the Funded Activity;</p> <p>(i) Ensure that full and prior agreement from the affected communities is obtained in cases where access restrictions to certain areas, for any period of time, are caused due to the implementation of the Project, and that any such restrictions do not result in temporary or permanent economic displacement of communities;</p> <p>(j) Prior to commencing any construction works or activities for the implementation of the Project, the Accredited Entity shall submit the detailed Environmental and Social Management Plan related to the relevant construction works or activities to be executed, in a form and substance satisfactory to the Fund;</p>	<p>FAA Clause 10.02</p> <p>(a) UNDP will ensure that no GCF Proceeds are transferred to the Executing Entity if a default has occurred under the Project Document. (confirmed)</p> <p>(b) Please refer to the financial information reporting parts of the APR for the information on the status of co-finance materialisation (disbursement/application).</p> <p>(c) Confirmation has been provided in the APR. (confirmed)</p> <p>(d) UNDP will ensure that, during the implementation of the project, co-financing provided by or flowing through UNDP is obtained from and contributed by UNDP in a timely manner. (confirmed)</p> <p>(e) Appropriate measures are being taken to ensure that the co-financing is disbursed proportionally with GCF proceeds for the implementation of the project. (confirmed)</p> <p>(f) Adequate measures are being undertaken during the implementation of the project to manage environmental and social risks and impacts arising from the Funded Activities comply with the applicable safeguard requirements. To this end, a safeguard specialist is part of the project team since launch. During the inception workshop, the project team was briefed on environmental and social safeguard measures and safeguard activities have been initiated. (confirmed)</p> <p>(g) UNDP will ensure that, during the implementation of the project, GCF Proceeds will not support or finance any activities with category A risk. (confirmed)</p> <p>(h) The land in which the project will be carried out is government-owned. In the case that the private-owned land is used by the project, the necessary environmental licenses or clearances and letters of consent will be collected. (confirmed)</p> <p>(i) UNDP will ensure this throughout the implementation of the project. (confirmed)</p> <p>(j) The detailed ESMP will be submitted to the GCF during May 2020, prior to commencing any construction works or activities for the implementation of the Project.</p>

<p>(k) In case any amendment or modification is entered into or otherwise agreed by the Accredited Entity with respect to the Subsidiary Agreement, inform of such event and furnish to the Fund the executed copies of the such amendment or modification within ten (10) days from its execution. For the avoidance of doubt, the Accredited Entity shall ensure that such amendment or modification does not contravene the terms and conditions provided in this Agreement and the AMA;</p> <p>(l) Apply, in accordance with its own policies and procedures, its own fiduciary principles and standards relating to AML/CFT in the implementation of the Funded Activity; and</p> <p>(m) In case of a change of the authorized representative to sign the Request for Disbursement, provide, together with the Request for Disbursement, evidence, satisfactory to the Fund of the authority of such person to the Request for Disbursement and the relevant authenticated specimen signature of such person.</p>	<p>(k) No amendment or modification has been made to the Project Document. (confirmed)</p> <p>(l) UNDP fiduciary principles and standards relating to AMT/CFT will be applied during the implementation of the project. (confirmed)</p> <p>(m) Regarding change in authorized representative to sign the Request for Disbursement, evidence was submitted to the GCF Secretariat on 23 October 2018 and confirmation of fulfilment was received on 30 October 2018. (confirmed)</p>
<p>AA Clause 10.03 Pursuant to Clause 23.04 of the AMA, the Accredited Entity shall inform the Fund, in the final APR, which steps it intends to take in relation to the durable assets and/or equipment purchased with the GCF Proceeds to implement the Funded Activity.</p>	<p>FAA Clause 10.03 is noted and will be fulfilled during the final APR period. (confirmed)</p>

(3) Provide a report on the progress made in implementing environmental and social management plans (ESMPs) and frameworks (ESMFs) describing achievements, and specifying details outlined in the tables below.

Implementation of management plans and programs

(i) activities implemented during the reporting period, including monitoring	(ii) outputs during the reporting period	(iii) key environmental, social and gender issues, risks and impacts addressed during implementation	(iv) any pending key environmental, social and gender issues needing the accredited entity's actions and attention
N/A	N/A	N/A	N/A

During the reporting period, the activities undertaken within the framework of the implementation of the Project did not require the application of environmental and social measures.

Additionally, include a description of the actions undertaken towards increasing the relevant stakeholders' engagement in the project environmental, social and gender elements, and a list on the grievances received in the reporting period that will include at least the description of the grievance, the date the grievance was received, and the resolution of the grievance.

Information below in this sub-section should be provided for all projects regardless of the E&S risk category for the project

Implementation of the stakeholder engagement plan

(i) activities implemented during the reporting period	(ii) dates and venues of engagement activities	(iii) information shared with stakeholders	(iv) outputs including issues addressed during the reporting period
N/A	N/A	N/A	N/A

Implementation of the grievance redress mechanism

(i) description of issues/complaints received during the reporting period	(ii) status of addressing issues/complaints
N/A	N/A



4.2 GENDER ACTION PLAN					
Objective	Action	Targets and Indicators	Partner Institution	Timeline	Allocated budget (\$)
TOTAL					2,727,931
Output 1: Climate informed water supply planning and management					
Activity 1.1: Prepare recommendations and legal guidance on the integration of climate change adaptation into the national (federal) and regional (state) water sector agencies governance frameworks, regulations and operations.	<p>1.1.1 Legal consultancy for existing legislation review on Climate Resilience inclusion, drafting of Primary (Water Code) and Secondary legislation, regulations; and 3 rounds of consultation meetings with national agencies.</p> <p>1.1.2 Consultancy providing recommendations on the climate resilient water planning, budgeting and operations with special focus on the project targeted areas (with special focus on gender mainstreaming)</p>	<p>Baseline: 0</p> <p>Target: 50% women and youth beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Gender aspects integrated in the new Water Code. Number of men, women and youth engaged in trainings on best practices for water management 	Gender expert and National Commission for Gender (NCG)	Q3, Year 1 to Q1, Year 4	283,625
Activity 1.2: Develop water sector climate change risk reduction awareness raising programme for national and state agencies and establish CCA knowledge and information exchange mechanisms	<p>1.2.1 Design of awareness raising webinars (with focus on gender)</p> <p>1.2.2 Set-up of an open access (web based) central knowledge platform hub for accessing global/regional climate vulnerability assessments and adaptation awareness materials available to all authorities involved in the water sector and agriculture planning</p>	<p>Baseline: 0</p> <p>Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Number of documents with gender considerations; Collect data on the number of men and women accessing central knowledge platform 	Gender expert, NCG, Gender Representative in in DGEF / DGEME	Q3, Year 1 to Q4, Year 5	174.361
Activity 1.3: Develop and apply criteria for assessing socially sensitive water pricing mechanisms ensuring prices take into account the actual costs of	1.1.3 Technical consultancy services on systematic approaches to water sector climate risk assessment and risk reduction (ie. UNICEF Drinking Water Safety and Security Planning -DWSSP) and assistance	<p>Baseline: 0</p> <p>Target: 50% women beneficiaries</p> <p>Indicator:</p>	Gender expert, NCG, Gender Representative in in DGEF / DGEME	Q3, Year 1 to Q4, Year 5	174.361

production, storage and processing required in view of the projected climate stresses	<p>on inclusion in work programmes and planning.</p> <p>1.3.1 Consultancy services to conduct economic and social analysis/evaluation, on-the-ground survey, evaluation, analysis of water users and service providers across all 3 islands to determine acceptable tariff structures required to sustain climate resilient water supplies.</p>	<ul style="list-style-type: none"> Number of women and youth engaged in the discussion on water tariffs 			
Activity 1.4: Develop planning guidance on source protection and water quality standards in view of climate change, operating procedures during periods of drought/floods; and safety plans	<p>1.4.1 Consultancy services to collect best practises on Drinking Water Safety and Security Planning (DWSSP), including source protection, drought and flood event O&M, and water quality monitoring requirements, tailored to Comoros national state sector planning and regulatory requirements - with consultations on each island.</p> <p>1.4.2. Preparation of Safety Plans under the Water Master Plan to respond to (i) intense precipitation (ii) increased or prolonged drought (iii) saline intrusion</p>	<p>Baseline: 0 Target: 50% women</p> <p>Indicator:</p>	Gender expert, NCG, Gender Representative in in DGEF / DGEME	Q3, Year 1 to Q4, Year 5	174.361
1.5. Design and conduct trainings on best practices and gender-sensitive techniques of climate change adaptation in the context of water management, health and nutrition among national, regional and local water stakeholders	1.5.1 Consultancy services to develop and deliver climate change national and state (island) level training programme (4 x 3-day workshops to 20 agencies) on water adaptation best practices and gender-sensitivity in water management, health and nutrition	<p>Baseline: 0 Target: 50% women and girls, children and youth beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Number of women and girls, youth and children engaged in training programmes on improved health and wellbeing conditions, and improved nutrition 	Gender expert, NCG, Gender Representative in in DGEF / DGEME	Q3, Year 1 to Q4, Year 5	100.000
1.6 Strengthen decentralized water resources management capacities to undertake climate	1.6.3. Train DGEF / DGEME and their decentralized island (DR) agencies in the planning and regulation of climate risk	<p>Baseline: 0 Target: 50% women</p>	Gender expert, NCG, Gender Representative in in	Q3, Year 1 to Q4, Year 5	174.361



<p>risk reduction assessments and develop and deliver awareness campaigns and training programmes to Water Management Committees and users</p>	<p>reduction approaches to water management at the communal level and implement the tariff standards for water</p> <p>1.6.4. Organize 8 participatory workshops to train all members of water management committees to use UNICEF Drinking Water Safety and Security Planning climate risk reduction design and operation procedures</p>	<p>Indicator:</p> <ul style="list-style-type: none"> • Number of men and women trained on the use of UNICEF Drinking Water Safety and Security Planning climate risk reduction and operation procedures • Number of women trained to lead Water Management Committee discussions; • Number of men and women trained in Water Management Committees 	<p>DGEF / DGEME</p>		
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Objective	Action	Targets and Indicators	Responsible Institution(s)	Timeline	Allocated budget (\$)
Output 2: Climate Informed Water Resources and Watershed Management including forecasting and early warnings of climate risks					
<p>Activity 2.1: Establish climate resilience focused IWRM Committees and Watershed Risk Reduction Action Plans in the project intervention areas</p>	<p>2.1.1 Establish and formalize the IWRM management committees in each watershed, prioritising climate resilience and adaptation approaches</p> <p>2.1.2. Carry out a mapping survey of areas vulnerable to climate risks, particularly those exposed to saltwater intrusion to allow analysis of risk scenarios</p> <p>2.1.3. Train IWRM committees understanding of climate risks and adaptation options that ensure access to adequate water quality</p> <p>2.1.4. Develop action plans for river basins, taking into account climate change impacts on rainfall patterns, floods, rising temperatures and increasing salinity</p> <p>2.1.5. Provide expert consultant(s) for the development of Water Code Decrees to integrate IWRM best practices to address the risks of climate change and facilitate knowledge exchange and formal collaboration between IWRM Committees and DG / REF</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Number of reports and surveys with integrated gender considerations; • Number of women and men included in the IWRM Committees (at least 30% women). • Women representative/s included in development of IWRM Plans of Action for expertise and to ensure that women’s situation is taken into account and that women receive the necessary information • Number of women leading community-based soil and water conservation measures. • Number of men and women participating in recharge zone improvement activities. 	<p>NCG and Gender Representative for DGEF</p>	<p>Q4, Year 1 to Q2, Year 5</p>	<p>139,223</p>



<p>Activity 2.2 Implement the water protection and risk mitigating measures on the ground/operationalize the risk reduction plans</p>	<p>2.2.1. Implement soil conservation measures at community level in watersheds of 15 target areas to reduce increase rainfall intensity erosion</p> <p>2.2.2. Upgrade community-based recharge areas in 11 watersheds to protect drought flows through reforestation and to other appropriate techniques</p>	<p>Baseline: 0 Target: 30% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Number of single women-led households receiving awareness training; • Number of public awareness workshops, including a gender component. 	<p>NCG and Gender Representative for DGEF</p>	<p>Q4, Year 1 to Q2, Year 5</p>	<p>119,301</p>
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<p>Activity 2.3 Establish water source protection zones and raise public awareness on climate risk reduction benefits of watershed management</p>	<p>2.3.1. Legal advisory services to be provided to IWRM committees for the implementation of climate resilience establishing watershed-specific zoning regulatory frameworks for the protection of recharge areas</p> <p>2.3.2. 8 training to Train IWRM committee trainers in mainstreaming climate change adaptation, integrated water resources management strategy, planning and budgeting, business models, management fees and performance monitoring.</p> <p>2.3.3. Organize 5 public awareness workshops on increasing watershed resilience to climate change and ensuring the preservation of water resources good water management practices, including soil and water conservation, and reforestation</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Gender disaggregated % of population with access to improved water management information on floods and drought periods; • Number of men and women as lead trainers. • Number of public awareness workshops, including a gender component. • Number of men and women participants in training of trainers' sessions. 	<p>NCG and Gender representative in DGEF / ANACM</p> <p>University of Comoros</p> <p>Meteorology Department</p>	<p>Q4, Year 1 to Q3, Year 5</p>	
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<p>Activity 2.4 Establish water resource monitoring network and upgrade the existing monitoring infrastructure to enable the collection of the required climate/weather data</p>	<p>2.4.1. Strengthen the dissemination of information on the water cycle and seasonal forecasts through the media and communication networks 2.4.2. Acquire and install 6 agrometeorological stations in the targeted areas of the three islands 2.4.3. Acquire and install 20 automatic rain gauges covering the three islands 2.4.4. Acquire and install radar to improve protection of water resources and storage units during periods of heavy rainfall 2.4.5. Acquire and install 9 flow measurement equipment on two islands 2.4.6. Acquire and install 43 piezometric probes for the monitoring of saline intrusion in Grand Comore 2.4.7. Strengthen the structure (climate proof) of the national hydrometeo services infrastructure to withstand with climate shocks and disasters</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Number of women farmers and other rural stakeholders receiving and using advisories for water management. 	<p>NCG and Gender representative in DGEF / ANACM</p>	<p>Q4, Year 1 to Q4, Year 4</p>	<p>115,872</p>
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<p>2.5: Build the capacities of the meteorological services to analyse and produce drought and flood forecasts for targeted users, including for flood early warning system</p>	<p>2.5.1. Design and provide training to the staff of the meteorological services to develop and apply dynamic and statistical tools for seasonal forecasting</p> <p>2.5.2. Develop standardized operational procedures (SOPs) for the collection, processing and analysis of water cycle data as well as alert thresholds</p> <p>2.5.3. Design and provide training for 20 field workers on the installation and maintenance of measurement equipment</p> <p>2.5.4. Expert training design and delivery for 10 staffs of meteorological services on (i) drought indexing, (ii) preparation of annual, quarterly and monthly rainfall prediction, (iii) water resource projections based on water balance analysis; (iv) assessments/reporting to notify the relevant authorities on the droughts and floods (EW basis)</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Number of women and men receiving and using advisories for water management. 	<p>NCG and Gender representative in DGEF / ANACM</p> <p>University of Comoros</p> <p>Meteorology Department</p>	<p>Q4, Year 1 to Q4, Year 4</p>	<p>115,872</p>
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<p>2.6 Build the capacity of the key government, local authorities and committees to interpret the climate information and raise awareness of the local population to act upon the forecasts and EWS.</p>	<p>2.6.1 Conduct 8 trainings for the key government and local officials, committee trainers (that will be appointed within the committees) to interpret the climate information provided by the meteo services and identify the appropriate communication channels (e.g. different information for water services providers vs. rural farmers).</p> <p>2.6.2. Conducting awareness raising campaigns (through media) to sensitize communities to the use of forecasting and alert information on the impacts of climate risks on water resources</p> <p>2.6.3. Design new university web-based modules (1 for undergraduate and 1 for graduate students to be rolled out in the relevant specialisations/degrees such as engineering etc.) with focus on the climate change reduction</p> <p>2.6.4. Acquire hydrogeological control equipment to supporting existing university research to enable them to have capacity to conduct water quality and specific groundwater analysis, documenting the effects of climate change on the water cycle, in particular the intrusion of saltwater</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Number of government officials (men and women) trained in the interpretation of climate information • Number of community members (men and women) taking part of sensitization campaigns • Number of women enrolled in web-based modules and learning about climate change • Number of women and men receiving training through vocational and educational programmes. 	<p>NCG and Gender representative in DGEF / ANACM</p> <p>University of Comoros</p> <p>Meteorology Department</p>	<p>Q4, Year 1 to Q4, Year 4</p>	<p>115,872</p>
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Objective	Action	Targets and Indicators	Responsible Institution(s)	Timeline	Allocated budget (\$)
Output 3: Climate Resilient Water Supply Infrastructure					
Activity 3.1 Undertake climate risk assessments of existing groundwater abstraction wells to develop risk reduction pumping strategies, and construction of additional boreholes in zones at risk of drought water scarcity in Grande Comore	3.3.1. Site selection confirmation for new production borehole siting based upon review of groundwater piezometer installations. 3.1.2. Step test salinity pumping tests of 6 existing production boreholes in Zones 1 to 5 to determine optimum pumping rate 3.1.3. Design of 5 new production boreholes in Zones 1, 2, 3 and 4. 3.1.4. Drilling, testing and commissioning of new production boreholes	Baseline: 0 Target: 50% of beneficiaries are men, women and youth engaged in information dissemination activities. Indicator: <ul style="list-style-type: none"> • Ensure equitable access to potable water resources for men, women and youth; • Ensure that women and youth are informed of the project activities; • Grievance mechanism established. 	NCG and Gender Representative in DGEF / DGEME	Q4, Year 1 to Q1, Year 6	346,900



<p>Activity 3.2 Build infrastructure to increase resilience of water supply facilities to extended duration low flow periods, greater intensity flood flow damage and flood flow higher turbidity and bacteria loadings (Grande Comore, Anjouan island and Moheli island)</p>	<p>3.2.1 Grand Comore Island Construction of reservoir tanks, treatment plants, distribution network extensions and irrigation impluviums</p> <p>3.2.2. Anjouan Island Flood protection upgrades to surface water intakes, treatment plants, storage tanks and network extensions, and livestock and irrigation watering basins and troughs</p> <p>3.2.3 Moheli Island Flood protection upgrades to surface water intakes, treatment plants, storage tanks and network extensions, and livestock and irrigation watering basins and troughs</p>	<p>Baseline: 0 Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Number of women, men and youth with access to safe water; • Time saved for water collection by women and girls; • Number of women involved in Water User Associations. • Number of schools with improved water supply and number of children benefited. 	<p>NCG and Gender Representative in DGEF / DGEME</p>	<p>Q4, Year 1 to Q4, Year 7</p>	<p>346,900</p>
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<p>Activity 3.3. Installation of flowmeters to support climate resilient tariff adjustments, and leakage reduction programmes to improve the water pricing and management system taking into account the additional costs associated with climatic hazards</p>	<p>3.3.1. Installation of meters to improve the water pricing and management system taking into account the additional costs associated with climatic hazards</p> <p>3.3.2 Training to the water providers on the leakage detection and leakage reduction programming, operations and maintenance of meters</p> <p>3.3.3. Consultancy to analyse the consumption patterns and draft guidance for the water providers with respect to tariffs/pricing</p>	<p>Baseline: 0</p> <p>Target: 50% women and youth beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> • Number of women staff members involved in flow meter installation; • Ensured equitable access to potable water resources for men, women and youth; 	<p>NCG and Gender Representative in in DGEF / DGEME</p>	<p>Q4, Year 1 to Q4, Year 7</p>	<p>346,900</p>
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During the reporting period, no action has been taken to date on the implementation of the Gender Action Plan.

At the 31 December 2019, the recruitment process for the gender expert was unsuccessful; following an initial publication, only one application had been registered. The publication was opened for a second time and the publication link was shared and disseminated on social networks. It is expected to be onboard by February 28, 2020.

4.2.1 PROGRESS ON IMPLEMENTING THE PROJECT-LEVEL GENDER ACTION PLAN SUBMITTED WITH THE FUNDING PROPOSAL.

Activities/actions	Indicators	Baseline	Targets, including sex-disaggregated targets	Timeline	Responsibilities	Budget	Report on annual progress

4.3 PLANNED ACTIVITIES ON ENVIRONMENTAL AND SOCIAL SAFEGUARDS

Project activities planned for 2020 requiring application environmental and social measures (Environmental and Social Impact Assessments) are:

- Infrastructure works for drinking water supply systems for domestic use,
- Installation of eco-tanks,
- Construction of micro-basins,
- Six boreholes.

The activities (management measures) of the ESMF to be implemented for the year 2020 are:

- Regular monitoring of surface water and groundwater quality in areas where groundwater is likely to be affected, including an assessment of changes in groundwater quality
- Conduct a daily check of all vehicles, equipment and storage materials for possible leaks of fuel, oils and chemicals.
- Limit land clearing activities and reduce habitat disturbance through proper protection and management of vegetation.
- Implement an EROSION AND SEDIMENT CONTROL PLAN (ESCP) to reduce the spread of weeds through erosion and sediment entering and spreading in streams.
- Establish storage areas away from waterways, waterways and sensitive areas.
- Conducting community consultation prior to undertaking activities
- Environmental monitoring and surveillance
- The establishment of a project-level grievance redress mechanism
- The development of site-specific ESMP for each drilling site and drinking water supply system
- The establishment of a project-level grievance redress mechanism
- The development of site-specific ESMP for each drilling site and drinking water supply system
- Environmental monitoring and surveillance

4.4 PLANNED ACTIVITIES ON GENDER ELEMENTS

Objective	Activities	Indicators and targetss
Activity 1.1: Prepare legal recommendations and guidance on integrating climate change adaptation into the governance frameworks, regulations and operations of national (federal) and regional (state) water sector agencies.	<p>1.1.1 Legal advice for the review of existing legislation on the inclusion of climate resilience, drafting of primary (water code) and secondary laws, regulations; and 3 rounds of consultation meetings with national agencies.</p> <p>1.1.2 Consultancy providing recommendations on climate change resilient water planning, budgeting and operations with a particular focus on project target areas. (with particular emphasis on gender mainstreaming)</p>	<p>Order No.: 0 Target: 50% women and young beneficiaries</p> <p>Indicator: - Gender aspects integrated in the new Water Code. - Number of men, women and youth engaged in training water management practices.</p>
Activity 2.1: Establish IWRM committees focusing on climate resilience and watershed risk reduction action plans in project intervention areas	<p>2.1.1 Establish and formalize IWRM management committees in each watershed, with a focus on climate resilience and adaptation approaches</p> <p>2.1.3. Train IWRM committees to understand climate risks and adaptation options that ensure access to adequate water quality</p> <p>2.1.5. Provide expert consultants for the development of water code decrees to incorporate IWRM best practices to address climate change risks and facilitate knowledge exchange and formal collaboration between IWRM committees and DG/REF.</p>	<p>Order No.: 0 Target: 50% women beneficiaries</p> <p>Indicator: - Number of reports and surveys incorporating gender considerations; - Number of women and men included in IWRM Committees (at least 30% women). - Women's representative(s) included in the development of IWRM action plans for expertise and to ensure that the views of women is taken into account and that women receive necessary information. - Number of women conducting community-based soil conservation measures. - Number of men and women involved in recharge area improvement activities.</p>

<p>Activity 2.4 Establish a water resources monitoring network and upgrade existing monitoring infrastructure to enable the collection of required climate/meteorological data</p>	<p>2.4.1. Strengthening the dissemination of information on the water cycle and seasonal forecasts through the media and communication networks</p> <p>2.4.2. Acquire and install 6 agro-meteorological stations in the target areas of the three islands.</p> <p>2.4.3. Acquire and install 20 automatic rain gauges covering the climatic risks on the three islands on water resources</p> <p>2.4.5. Acquire and install 9 pieces of flow measurement equipment on two islands</p> <p>2.4.6. Acquire and install 43 piezometric probes for monitoring saltwater intrusion in Grande Comore</p>	<p>Reference: 0</p> <p>Objective: 50% female beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> Number of female Farmers and other rural stakeholders receiving and using advice on water management
<p>Activity 3.1. Undertake climate risk assessments of existing wells and water catchments in order to develop risk-appropriate pumping strategies and the construction of additional boreholes in areas at risk of drought and water scarcity in Grande Comore).</p>	<p>3.1.1. Confirmation of site selection for the new production well location based on review of the groundwater piezometer facilities.</p> <p>3.1.2. Salinity pumping test stage of 6 existing production wells in Zones 1 to 5 to determine the optimum pumping flow rate</p> <p>3.1.3. Design of 5 new production wells in Zones 1, 2, 3 and 4.</p>	<p>Order No.: 0</p> <p>Target: 50% of the beneficiaries are men, women and young people involved in information dissemination activities.</p> <p>Indicator:</p> <ul style="list-style-type: none"> - Ensure equitable access to drinking water resources for men, women and youth; - Ensure that women and youth are informed about project activities; - Establishment of a complaints mechanism.



<p>Activity 3.2 Construct infrastructure to increase the resilience of water supply facilities to extended periods of low flow, higher flood damages and higher turbidity and bacterial loads (Grande Comore, Anjouan Island and Moheli Island).)</p>	<p>3.2.1 Grande Comore Island Construction of storage reservoirs, processing plants, distribution network extensions and irrigation impluviums</p> <p>3.2.2. Island of Anjouan Improving flood protection in surface water intakes, treatment plants, storage reservoirs and network extensions, and livestock and irrigation ponds and troughs</p> <p>3.2.3 Moheli Island Improved flood protection in surface water intakes, treatment plants, storage reservoirs and network extensions, and livestock and irrigation ponds and troughs</p>	<p>Order No.: 0</p> <p>Target: 50% women beneficiaries</p> <p>Indicator:</p> <ul style="list-style-type: none"> - Number of women, men and youth with access to safe drinking water; - Time saved for water collection by women and girls; - Number of women involved in water users' associations. - Number of schools with improved water supply and number of children benefiting from it.
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SECTION 5: ANNEXES

Annex 1. Updated implementation timetable for the Funded Activity.

SECTION 6: ATTACHMENTS