

FP002

Scaling up the use of Modernized Climate information and Early Warning Systems in Malawi

Annual Performance Report CY2023 (for projects/programme approved under the PMFs)

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APR CY2023 Section 1: General Information - v2 2024-10-01 23:09 +09:00

[APR CY2023] Section 1: General Information

Please note that this is section 1 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

Reporting Year *

2023

Please indicate reporting year

1.1 Please indicate if information provided in this APR is disclosable outside the Green Climate Fund. *

- Yes - The Accredited Entity agrees that the information reported is disclosable.
- No - The information reported is partly confidential. The disclosable version of the APR will be attached.

If you select the second option [No - The information reported is partly confidential. The disclosable version of the APR will be attached], please follow the below steps.

- Step 1: Fill in all the sections of the APR with disclosable information.
- Step 2: Save each section using the 'PDF' function provided in the top-right corner. (Do NOT submit an APR at this step).
- Step 3: Attach all of the disclosable sections to the attachment boxes below, which will be shown once you check the second option only.
- Step 4: Update all the sections of the APR with non-disclosable information.
- Step 5: Submit the non-disclosable APR which herein enclose the disclosable APR in PDF format.

1.2 Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity

Yes

Once the APR is created in the PPMS, please use the 'Open as PDF' function to download the report in PDF format and to share with relevant authorities (i.e. NDAs) before submission. Select 'Yes' only if shared to ALL the relevant NDA(s).

Please Indicate the date of submission to NDA(s)

2024-03-01

If the APR is submitted to multiple NDAs, please indicate the latest date of submission to NDA, and provide the other dates per NDA in the further explanation box below.

Please provide further explanation, if any:

1.3 Funded Activity Title (Project/Programme Title)

Scaling up the use of Modernized Climate information and Early Warning Systems in Malawi

1.4 Funding Proposal Reference Number

FP002

1.5 Board Meeting Number

11

1.6 Accredited Entity contacts for this APR

Full Name	
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1.7 Executing Entity(ies)

Full Name of Executing Entity
Department of Disaster Management Affairs
<small>Please confirm if the pre-filled name of Executing Entity(es) indicated in the funding proposal document is correct. Please update the information accordingly if there have been any changes since the project implementation. In addition, please clarify the Executing Entity(es) name precisely if needed. For example, if 'local financial institutions' was indicated as an EE in the funding proposal, please put their exact names here. You may want to add/remove rows if needed.</small>
Please write the name of the country where the Executing Entity is headquartered.
Malawi
Actual Outputs delivered by Executing Entities
<small>Please list the Outputs the executing entity is actually implementing whether it is based on the approved Funding Proposal or any other actual outputs that have been delivered.</small>

1.8 Project Duration

From	To
2017-06-28	2024-06-30

Check if the extension request for the project duration was approved by the Secretariat during the reporting period.

Please reach out to the GCF portfolio managers if you need an extension

- Yes (it was extended)
- No

Please enter the extended end date of project implementation.

From	To
2017-06-28	2024-06-30

1.9 Current Year of Implementation

6

Indicate the year number, e.g., '2'

1.10 Annual reporting period covered in this report

From	To
2023-01-01	2023-12-31

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 1 of the Annual Performance Report (APR).

- The accredited entity hereby confirms that the information provided in section 1 is complete and ready for submission.

APR CY2023 Section 2: Implementation Progress (PMFs, B15~B31) - v2 2024-10-01 23:09 +09:00

[APR CY2023] Section 2: Implementation Progress (for projects/programme approved under the PMFs)

Please note that this is section 2 of the five Annual Performance Report (APR) sections for projects/programmes that have been approved from B.15 to B.31. The APR will be considered valid only after all the five sections are filled with relevant details.

2.1 Overall (summary) project progress

The M-CLIMES project registered significant progress in 2023 and achieved the project goal of reaching an estimated 2 million people with lifesaving early warnings and severe weather advisories through improved monitoring, packaging and dissemination of tailored climate information that can save lives and protect livelihoods. The installation of additional hydro-met equipment and systems, including automated weather stations, automated hydro stations, lake-based weather buoys, lightning detection and warning systems and weather data integration systems, has improved the hydromet observation network in Malawi. Similarly, the training of hydromet staff in operation and maintenance, data modelling and improved forecasting has improved the accuracy of weather forecasts and related climate services. Seasonal and short-term agro-weather information and advisories for small-holder farmers have been produced and disseminated to more than 500,000 (53% women) smallholder farmers across 14 districts via PICSA (Participatory Integrated Climate Services for Agriculture) approach using the national agriculture extension network and the Agroweather SMS dissemination Platform. More than 300,000 people (over 30% female) in fishing communities in 4 lakeshore districts have been reached with regular weather and safety advisories through various media including community radio programs and awareness campaigns. The Telemetry Community Based Flood Early Warning System continued to provide live saving advance flood warnings to over 175,000 people (over 50% women) across eight flood prone districts. A comprehensive community-based flood preparedness program in the flood prone communities helped the communities to implement a set of preparedness and preventive actions to save lives and livelihoods.

Provide a narrative report describing the overall progress on the implementation of the funded activity, focusing on implementation achievements, delays, and challenges according to the planned activities. For project/programme with on-lending and equity investment into the projects or companies, kindly provide information on the projects/companies where such investment was made during the calendar year including the implementation status of the invested project or companies' operation. As relevant, include references to other sections of this report (including Annexes or Attachments). Include a description of key milestones of the funded activity achieved during this reporting year (for example, during 2022 only) including any deviations from original expectations. Also, describe challenges encountered and actions undertaken to resolve these challenges, and lessons learned during the implementation, including issues related to non-compliance with GCF standards or conditions, if any. In parallel, include positive achievements and better-than-expected results. 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. Kindly make sure that this section just gives an overall summary and doesn't have overlap with other sections.

2.2 Performance against the GCF investment criteria

Please check the box as applicable.

- The performance of the project/programme against the GCF investment framework criteria remains aligned with the Funding Proposal.
- The performance of the project/programme against the GCF investment framework criteria deviates from the assumptions made in the Funding Proposal.

Relevant Links

[The GCF investment criteria framework](#)

2.3 Project Outputs Implementation Status

Please note the below fields are mandatory but only a one-time activity. Please fill out the project output details regardless of any progress made so far, which will be auto-populated in the next APR and on wards.

Use 'Add Row' button to add multiple outputs and/or activities reported against one output

Project Output Name *

Output 1: Capacity of hydro-met networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Project Activity 1.1 Expanding coverage of Meteorological and hydrological infrastructure

Status * **Implementation Progress ***

Completed 95 %

Original timeline planned for this activity *

Q3 2019 - Q1 2020

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

· In 2023, the Department of Climate Change and Meteorological Services (DCCMS) and Department of Water Resources (DWR) continued with routine operations and maintenance of the hydro-met infrastructure and systems, including for the 33 automated weather stations, 8 lightning detection sensors, 37 hydrological stations and two lake-based weather buoys to ensure that the equipment/systems remain functional.

The project continued with supporting community sensitisation sessions and capacity building on Grievance Redress Mechanisms in Hydromet infrastructure districts. Communities were reminded on the importance of safe-keeping of hydromet installations as well as on how to report and record grievances whenever they arise. EMSP actions were observed during the reporting period and no new issues emerged from the time the environmental screening was conducted.

During the reporting period, the study on private sector engagement and sustainability plan for the hydromet infrastructure was concluded. DCCMS and DWR have used the report to come up with sector specific sustainability plan for the installed infrastructure. Final documents will be concluded in 2024.

Delays and Issues

One hydrological station installed near Lake Chirwa was affected by the Tropical Cyclone Freddy such that data transmission did not take place for months. However, DWR conducted a maintenance exercise to bring back data transmission after the Tropical Cyclone. The project reversed its decision to expand the ODSS system to the Northern region at the request of DWR who indicated that they have shelved plans in order to allow another similar initiative by UNICEF to be implemented.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Continue implementing social and environmental management plan for the hydro-met infrastructure.
- Conduct regular O & M of Automated Weather Stations, Lake Buoys, Lightning Detection Sensors and hydro stations.
- Sensitization of the communities to mitigate vandalism of equipment

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 1: Capacity of hydro-met networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Project Activity 1.2 Capacity-building of hydro-met staff on O&M, data modelling, and forecasting.

Status * **Implementation Progress ***

Completed 95 %

Original timeline planned for this activity *

Q3 2017 - Q3 2020

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

In 2023 alone, the project supported DCCMS in training 41 (7 females) newly recruited Assistant Meteorologists to work as meteorological observers and technicians, and they were all required to undergo the WMO Class IV training in order to ably execute their duties. A total of 21 DCCMS Officers (6 female) had a capacity building session of using time series data and R- Insta statistical software package to develop PICSA climate tools including; seasonal rainfall totals; rainy days; onset dates; cessation dates; season lengthen and projected dry spells for the 2023/2024 rainy season. The development of these climate tools has developed the capacity for DCCMS to support PICSA farmer training which has been rolled out in 14 Districts.

The project supported Department of Water Resources to conduct training to additional 38 Gauge readers (5 females) on Operation and Maintenance of Automated Hydro Stations and basic modern data reading approaches. Gauge readers support routine operations including safekeeping and maintenance of the installations. Furthermore, 25 staff (14 females) were trained on basic hydrological theory and data management. Both activities by DWR were aimed at strengthening sustainability of the installed hydro equipment and hydro -data management.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

- Disseminate tailored climate information products for fishing communities and farmers.
- Full roll out the SMS-based alert dissemination system for thunderstorms and lightning

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 2: Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Project Activity 2.1. Develop tailored weather/climate based agricultural advisories for 14 food insecure districts and disseminate through ICT/mobile, print, and radio channels

Status *

Completed

Implementation Progress *

95

%

Original timeline planned for this activity *

Q2 2017 - Q3 2022

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

During the reporting period, the following progress was made ;

Small-holder farmers in 14 food-insecure districts were provided with critical agro-weather forecasts and advisories that helped them to make informed farming decisions. While the seasonal forecast was provided through the PICSA approach, the short-term agro-weather/farm advisories were sent via SMS. The community radio stations were engaged to provide farming and livestock advisory to farmers.

A total number of 382 agriculture extension officers (92 female) were given refresher training on PICSA approach.

23,880 lead farmers were trained in the use of seasonal forecasts to better plan their farming and livestock activities. Cumulatively 85,815 (58% women) lead farmers in 14 districts have been trained in the interpretation and dissemination of seasonal forecasts in order to aid the small-holder farmers in taking appropriate farming decisions based on the forecast for their respective areas.

242,384 new small-holder farmers (55% of whom are women) benefited from this initiative. Cumulatively the project has reached 1,260,020 smallholder farmers with PICSA in 14 targeted districts.

Crop and area-specific agro-weather advisories and livestock management options were developed for 14 districts and provided to a total of 25,000 farmers in 14 districts through mobile text messaging services (SMS) platform. The project supported DCCMS to downscale forecast to district scale and disseminate the information in 28 districts of Malawi. The information is important for sector-specific planning. Radio programs related to farm and livestock management were broadcasted regularly through community radio stations. 14 Community radios reported to have reached over 350,000 listeners with climate information and radio programs

The Climate and Weather Information System (CWIS) web-platform (<https://wimes-malawi.br.fr/>) which was developed in the previous year is generating area-specific and tailored climate and weather information products for farmers and fishing communities. During the reporting period, the project focused on operationalisation of the system by conducting a refresher training on the system operation and maintenance and user training. A total of 15 DCCMS staff (8 females) were trained as System Operators as part of the operationalisation of the CWIS system and enhancing its sustainability. Similarly, 12 DCCMS staff (5 females) also participated in the refresher training for the operation of the Agro-Weather SMS dissemination Platform which was developed by eCRG consultants.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

- Dissemination of tailored weather products and advisories for project beneficiaries through SMS platform, community radios and other media platforms
- Impact documentation

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 2: Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Project Activity 2.2 Develop and disseminate tailored warnings and advisories for fishing communities of Mangochi, Salima, Nkhata Bay and Nkhotakhota around Lake Malawi

Status *

Activity started - progress on track

Implementation Progress *

85	%
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Original timeline planned for this activity *

Q2 2017 - Q2 2019 and Q3 2021 = Q3 2022

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

During the reporting period, the following progress was made; DoF continued to raise awareness of fishing communities about weather hazards and safety in the lake by producing and disseminating related programs via community radio stations. In 2023, over 300,000 people (over 40% women), including fishermen, fish processors, and people involved in fishing were reached through community awareness programs that aimed to improve their understanding of weather hazards and enhance safety at the lake. During the reporting period the Department of Fisheries reviewed and updated the safety at sea manual. The new manual now includes more graphics and in vernacular language for dissemination to the fisheries communities. The CoU was supported in production of a video documentary on safety and the impact of the project in prevention of disasters at Lake Malawi. 3 Boat operators underwent a training and have since been attached to the Fisheries marine department. Similarly, DoF staff were also trained (refresher) in CWIS and SMS dissemination system.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Full operationalisation of the CWIS and SMS dissemination system by registering prospective recipients of fisheries advisories
- Continued dissemination of weather warnings and advisories

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 2: Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Project Activity 2.3. Develop and deploy the flood and water resource modelling and decision support system to enhance coverage for disaster risk and water resource management

Status *

Activity started - progress on track

Implementation Progress *

85	%
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Original timeline planned for this activity *

Q2 2017 - Q2 2019 and Q3 2021 = Q3 2022

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

DWR continued to monitor the Operational Decision Support System (ODSS) for preparation of flood alerts in the Central Catchments of Bua and Linthipe in the Central region of Malawi. However, plans to upgrade the ODSS were pended due to an ongoing similar exercise in the Shire Basin Catchment which is supported under a different project, that was expanded to the central region of Malawi and covers two river basin catchments, the Bua and Linthipe. DWR will facilitate the activity in the Central region in the following year. The ODSS system assist DWR monitoring and forecasting of floods in targeted areas around the two catchments.

The project supported DWR in production of various hydrological information and products as well as a vernacular video documentary on safety of the Automated Hydrostations.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Continue maintaining the Central Region flood monitoring and forecasting system (ODSS).

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 2: Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Activity 2.4. Enable a demand-based model for climate information and services stimulating private sector engagement

Status * **Implementation Progress ***

Activity started - progress on track 75 %

Original timeline planned for this activity *

Q2 2017 - Q1 2020 and Q1 2021 = Q4 2021

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

The Climate and Weather Information System and the Agro-Weather SMS dissemination systems were rolled out during the reporting period. 36,000 farmers have been registered on the SMS platform and 60 agro advisory SMSs were disseminated.

The study to assess the climate/weather Information needs of potential private sector companies and small and medium enterprises was concluded in the reporting period. Following the study, DCCMS has engaged with a Private Telecom Company, Telekom Networks Malawi, to establish a mutual agreement for reduced Data and SMS rates for its hydromet systems and dissemination of climate information to end- users. The study has also guided DCCMS and DWR on establishment of sustainable maintenance plans for the Hydromet equipment

Delays and Issues

The rollout of the Lightning alert system was further delayed due to the pending legal agreement between DCCMS and Telekom Networks Malawi. The system is set to be rolled out early 2024.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Final roll out of Lightning alerts dissemination system
- Continued engagement with private sector including mobile service providers

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 2: Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Activity 2.5. Knowledge sharing and management for development, dissemination, and use of EWs and CI to enhance resilience

Status * **Implementation Progress ***

Activity started - progress on track 95 %

Original timeline planned for this activity *

Q3 2017 - Q4 2022

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

The project continued to support the development and dissemination of tailored Climate information for farmers and fishers to enhance climate informed livelihood planning and decision-making. Prior to the current agriculture production season, the project supported dissemination of seasonal rainfall forecasts in the 14 food-insecure districts through dissemination workshops at the district level and different media such as radio, SMS platforms and print media.

In 2023, the Department of Fisheries was supported in documentation of a safety at sea documentary which was developed by the departments Community Outreach Unit at Malawi College of Fishers. The video highlights the key safety and how to access messages and experience sharing for fisheries actors including fishers, processors and traders. The project has been supporting the Fisheries Community Outreach Unit with ICT equipment as part of capacity building in development of climate-based fisheries advisory messages and early warnings at Lake Malawi to reduce disasters from extreme weather events

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Dissemination of Agro advisories and Weather alerts through the ICT dissemination systems such as the SMS platform and Community radios.
- Continue documentation of project impact and sharing of lessons learnt.

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *

Output 3: Communities capacities strengthened for use of EWS/CI in preparedness for and response to climate related disasters

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

Project Activity Name *

Activity 3.1. Scale-up community-based EWS in flood-disaster prone areas of Karonga, Salima, Dedza, Nkhotakota, Nkhata Bay, Rumphi, Phalombe and Zomba

Status *

Activity started - progress on track

Implementation Progress *

95	%
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Original timeline planned for this activity *

Q2 2017 - Q1 2021 & Q4 f2021 - Q22022

Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.

Progress for the relevant reporting period

The Telemetry-based Community Flood Early warning system (CBFEWS) continued to support institutions and communities in provision of flood Early Warning in flood prone communities with a beneficiary reach of over 175,000 people in 8 districts across Malawi.

During the reporting period DoDMA, DWR and DCCMS conducted the maintenance of the systems in sites which were not functional and those destroyed by Tropical Cyclone Freddy. TC Freddy washed away 3 river level sensors in Phalombe and Zomba districts. However, the CBFEWS system has build capacity of communities in management of flood alerts and has strengthened the river alliances between upstream and downstream communities (usual flood victims).

DoDMA facilitated installation of 5 Pre-Fabricated Emergency Operation Centres (EoCs) in 5 Districts across all regions. The EoCs will strengthen the capacity of management and coordination of flood preparedness and response activities at District level.

Delays and Issues

The challenge of vandalism of CBFEWS equipment was experienced 2 sites. However, DoDMA continues to engage with local leadership and Malawi Police to combat the malpractice. For instance, in 2023, DoDMA raised awareness of safety of equipment through community radio programmes.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

Key milestones and deliverables for the next reporting period

- Monitoring and maintenance of the Telemetry-based CBFEWS
- Training on EoC Management
- CBFEWS maintenance

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

Project Output Name *	
Output 3: Communities capacities strengthened for use of EWS/CI in preparedness for and response to climate related disasters	
The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.	
Project Activity Name *	
Activity 3.2. Capacity development of national, district and community level actors on disaster and climate risk management	
Status *	Implementation Progress *
Activity started - progress on track	95 %
Original timeline planned for this activity *	
Q3, 2017 & Q42021	
Please refer to the Implementation Plan in the FAA. If the Implementation Plan has been amended in the countersigned Amendment and Restatement Agreement (ARA), please refer to the updated plan in the ARA.	
Progress for the relevant reporting period	
In 2023, the project supported capacity building activities at National, District and Community level in order to enhance community's capacity on disaster preparedness and management. DoDMA facilitated Grievance Redress Mechanisms sessions at Traditional Authority Level for improved reporting and addressing of issues arising from the projects installations.	
Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.	
Key milestones and deliverables for the next reporting period	
<ul style="list-style-type: none"> · Monitoring EoC activities · Continue training of community members in flood preparedness across eight districts 	
Please include a list of key milestones and deliverables expected to be executed in the next reporting period.	

2.4 Progress Update on the Logic Framework Indicators

Under this section, please report the 'annual value' for the reporting year only (for example, during 2023 only). Also report 'cumulative value' achieved as of the end of the reporting year as well as 'baseline', 'midterm target', 'final target', and 'expected lifetime emission reduction target'. Please note that the baseline and the respective target values should be reported for the total funding amount (GCF funding and co-financing) of the project. Also note that all these values should reflect information from the most recent/updated logical framework (logframe) agreed to with the GCF, whether through the FAA amendment process, submission and approval of the inception report, baseline assessment/study, APRs, and/or correspondence with GCF's portfolio managers on any logframe changes. If the most updated logframe deviates from that approved in the funding proposal, please provide clarification as to why there have been changes for each applicable indicator in the 'Remarks' box. For example, the clarification may include but is not limited to: 'the logframe was revised during the FAA negotiation process' or 'a baseline assessment has been completed as of August 2023 and the assessment has been submitted to the GCF for approval' or 'the revised baseline and target values have been submitted via the previous APR cycle and approved by the GCF' or 'the project logframe is being revised, and the FAA amendment process is currently ongoing with the GCF' etc. In case where a measurement methodology has been revised in agreement with the GCF for any indicators in the logframe, please attach supporting documentation describing the calculation methodology of all applicable indicators in APR Section 5 'Annexes and Attachments'.

This sub-section 2.4 is not applicable for REDD+ Results-Based Payments Projects. Please write 'Not Applicable' as the response.

2.4.1 Core Indicators

Select applicable core indicators

- Mitigation Core Indicator 1 - Tonnes of carbon dioxide equivalent (tCO2eq) reduced as a result of GCF funded project/programme
- Mitigation Core Indicator 2 - Cost per tCO2eq decreased for GCF funded project/programme
- Mitigation Core Indicator 3 - Volume of finance leveraged by GCF funding (Disaggregated by public/private source)
- Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme
- Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme
- Adaptation Core Indicator 3 - Number of total beneficiaries relative to total population

Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)

Please provide the "annual value" of the number of direct beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of direct beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

Baseline	Baseline (% of female)
238 000	30 %
Annual Value (Reporting Year)	Annual Value (% of female)
502515	55 %
Cumulative Value	Cumulative Value (% of female)
2 151 618	52 %
Mid-term Target	Mid-term Target (% of female)
500 000	40 %
Final Target	Final Target (% of female)
1 600 000	50 %

Remarks (including changes, if any)

Cumulatively the total number of beneficiaries increased from 3,319,305 in 2022 to 4,126,689 in 2023. The number includes direct beneficiaries of the PICSA training, newly established Community Based Flood Early Warning Systems and those who received CI/WI from SMS platforms and Community Radio Stations and those indirectly benefiting from improved forecasting systems due to enhanced hydro-met coverage.

The increase in direct beneficiaries is attributed to increase in beneficiaries number due to scaling up of PICSA training, increased coverage of community radio stations broadcasting Agro-weather and fisheries climate-related information, SMS advisory services and establishment of Community Based Flood Early Systems.

The number of beneficiaries increased due to the expansion of the hydromet network following the installation of hydro-stations.

Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)

Please provide the "annual value" of the number of indirect beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of indirect beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

Baseline	Baseline (% of female)
675 000	6 %
Annual Value (Reporting Year)	Annual Value (% of female)
1 058 787	52 %
Cumulative Value	Cumulative Value (% of female)
2 707 890	45 %
Mid-term Target	Mid-term Target (% of female)
1 000 000	40 %
Final Target	Final Target (% of female)
1 400 000	9 %

Remarks (including changes, if any)

Select applicable impact indicators

[Important Note] Please note that at least mitigation core indicator 1 (for mitigation projects) and adaptation core indicator 1 and/or 2 (for adaptation projects) must be selected in 2.4.1 above before you select 2.4.2A, even in the case where the FAA does not specifically mention about reporting on core indicators. Since 2.4.2 is a breakdown of 2.4.1, the sum of 2.4.2 should be aligned with 2.4.1. For example, if you select M1.1 and M3.1 in 2.4.2A, 2.4.1 Mitigation Core Indicator 1 must be selected and the sum of the values reported in M1.1 and M3.1 must be entered as Mitigation Core indicator 1 value.

- M1.1 Tonnes of carbon dioxide equivalent (tCO₂eq) reduced or avoided as a result of increased low-emission energy access and power generation
- M2.1 Tonnes of carbon dioxide equivalent (tCO₂eq) reduced or avoided as a result of increased access to low-emission transport
- M3.1 Tonnes of carbon dioxide equivalent (tCO₂eq) reduced or avoided as a result of buildings, cities, industries and appliances
- M4.1 Tonnes of carbon dioxide equivalent (tCO₂eq) reduced or avoided as a result of sustainable management of forests and conservation and enhancement of forest carbon stocks
- A1.1 Change in expected losses of lives and economic assets due to the impact of extreme climate-related disasters in the geographic area of the GCF intervention
- A1.2 Number of males and females benefiting from the adoption of diversified, climate resilient livelihood options (including fisheries, agriculture, tourism, etc.)
- A1.3 Number of Fund funded projects/programmes that supports effective adaptation to fish stock migration and depletion due to climate change
- A2.1 Number of males and females benefiting from introduced health measures to respond to climate-sensitive diseases
- A2.2 Number of food secure households (in areas/periods at risk of climate change impacts)
- A2.3 Number of males and females with year round access to reliable and safe water supply despite climate shocks and stresses
- A3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits (reported where applicable)
- A4.1 Coverage/scale of ecosystems protected and strengthened in response to climate variability and change
- A4.2 Value of ecosystem services generated or protected in response to climate change

2.4.2 B. Fund-level Project/programme Outcome Indicators

Select applicable outcome indicators

Please choose Project Outcome Indicators from the list below. In case you changed your project outcome indicator names from the official ones below to project-specific ones, please choose the most relevant indicators from the below list and write the changed indicator name in the Remark text field at the bottom.

- M5.1 Institutional and regulatory systems that improve incentives for low-emission planning and development and their effective implementation
- M5.2 Number and level of effective coordination mechanisms
- M6.1 Proportion of low-emission power supply in a jurisdiction or market
- M6.2 Number of households, and individuals (males and females) with improved access to low-emission energy sources
- M6.3 MWs of low-emission energy capacity installed, generated and/or rehabilitated as a result of GCF support
- M7.1 Energy intensity/improved efficiency of buildings, cities, industries and appliances as a result of Fund support
- M8.1 Number of additional female and male passengers using low-carbon transport as a result of Fund support
- M8.2 Vehicle fuel economy and energy source as a result of Fund support
- M9.1 Hectares of land or forests under improved and effective management that contributes to CO₂ emission reductions
- M10.1 Number of technologies and innovative solutions transferred or licensed to support low-emission development as a result of Fund support
- A5.1 Institutional and regulatory systems that improve incentives for climate resilience and their effective implementation.
- A5.2 Number and level of effective coordination mechanisms
- A6.1 Use of climate information products/services in decision-making in climate-sensitive sectors
- A7.1 Use by vulnerable households, communities, businesses and public-sector services of Fund-supported tools, instruments, strategies and activities to respond to climate change and variability
- A7.2 Number of males and females reached by [or total geographic coverage of] climate-related early warning systems and other risk reduction measures established/ strengthened
- A8.1 Number of males and females made aware of climate threats and related appropriate responses
- A9.1 Number of technologies and innovative solutions transferred or licensed to promote climate resilience as a result of Fund support

2.4.3 Project/Programme-level Outcome & Output Indicators

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Cumulative Value' on a cumulative basis. If you have multiple outputs to be reported against one outcome, you need to write down the same outcome name for every output. Likewise, if you have multiple indicators to be reported against one output, you need to write down the same output name and corresponding outcome name for every indicator.

Use 'Add row' button to add multiple outcomes, outputs and/or indicators.

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		A1.0 Increased resilience and enhanced livelihoods of the most vulnerable people, communities, and regions	
Output Name (under the afore-mentioned outcome)			
Scaled up action on climate change adaptation and mitigation cross sectors which is funded and implemented			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Total number of direct and indirect beneficiaries (50% of whom is female)			
Unit			
#			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
913600	1 561 302	4 126 689	
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
1 500 000	3 000 000		
Remarks (including changes, if any)			
<p>Cumulatively the total number of beneficiaries increased from 3,319,305 in 2022 to 4,126,689 in 2023. The number includes direct beneficiaries of the PICSA training, , newly established Community Based Flood Early Warning Systems and those who received CI/WI from SMS platforms and Community Radio Stations and those indirectly benefiting from improved forecasting systems due to enhanced hydro-met coverage.</p> <p>The increase in direct beneficiaries is attributed to increase in beneficiaries number due to scaling up of PICSA training, increased coverage of community radio stations broadcasting Agro-weather and fisheries climate-related information, SMS advisory services and establishment of Community Based Flood Early Systems.,</p> <p>The number of beneficiaries increased due to the expansion of the hydromet network following the installation of hydro-stations.</p>			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		A1.0 Increased resilience and enhanced livelihoods of the most vulnerable people, communities, and regions:	
Output Name (under the afore-mentioned outcome)			
Scaled up action on climate change adaptation and mitigation cross sectors which is funded and implemented			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Percentage of beneficiaries relative to total population in Malawi			
Unit			
%			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
6	18	26	
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
9	18		

Remarks (including changes, if any)

The increase in percentage is attributed to increasing in the number of direct beneficiaries, as explained above. The percentage is adjusted based on the current population, estimated at 18,000,000

If applicable, please submit a supporting document describing the calculation methodology for the current values provided.

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)			
A7.0 Strengthened adaptive capacity and reduced exposure to climate risks			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Number of males and females reached by climate-related early warning systems and other risk reduction measures established/ strengthened.			
Unit			
#			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
238000	502.515	2 151 103	
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
500 000	1 600 000		
Remarks (including changes, if any)			
Cumulatively, the number of people reached increased from 1,649,103 (55% women) in 2022 to 2,151,618 in 2023. During the period, 502,515 (55% women) people, including farmers and, fishing communities, were directly reached with CI, and EWS through PICS training, SMS Advisories and Community Radio Stations climate and weather programmes.			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)			
1. Capacity of hydromet networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Percentage of national coverage of climate monitoring network (fully operational)			
Unit			
%			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
21	85.5	85.5	
Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.		Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
32	32		
Remarks (including changes, if any)			
No Change65			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)			
1. Capacity of hydromet networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Percentage of national coverage of climate monitoring network (fully operational)			
Unit			
%			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
28	65	65	
Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.		Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
49	49		
Remarks (including changes, if any)			
No change.			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	

Output Name (under the afore-mentioned outcome)

1. Capacity of hydromet networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

Indicator Name

Percentage of national coverage of climate monitoring network (fully operational)

Unit

%

Baseline	Annual Value (Reporting Year)	Cumulative Value
71	100	100
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
100	100	

Remarks (including changes, if any)

No Change.

If applicable, please submit a supporting document describing the calculation methodology for the current values provided.

Results Areas	Outcome Name
[Adaptation] Health, Food, and Water Security	Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023

Output Name (under the afore-mentioned outcome)

1. Capacity of hydromet networks and staff enhanced to generate climate-related data and forecast extreme weather and climate change

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

Indicator Name

Percentage of national coverage of climate monitoring network (fully operational)

Unit

%

Baseline	Annual Value (Reporting Year)	Cumulative Value
0	40	40
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
40	40	

Remarks (including changes, if any)

No change.

If applicable, please submit a supporting document describing the calculation methodology for the current values provided.

Unit		
#		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	62	226
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
25	50	
Remarks (including changes, if any)		
This year, 21 technical staff (7 female) were trained on the generation of 2023/2024 area-specific rainfall seasonal forecasts and seasonal characteristics information that will be useful to Malawi's early warning system for food security and disaster risk reduction. Additionally, DCCMs recruited and trained 41 meteorological observers (7 female) on generation of EWs/CI and related activities		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name	
[Adaptation] Health, Food, and Water Security	Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)		
2. Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
Percentage of population with access to tailored climate information and early warnings for agriculture, fisheries and flood risk management in the 21 target districts (disaggregated by sex)		
Unit		
%		
Baseline	Annual Value (Reporting Year)	Cumulative Value
2	18	2.52
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
6	12	
Remarks (including changes, if any)		
The percentage increased from 14% in 2022 and 18% in 2023 due to the increase in the number of recipients of tailored information.		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name	
[Adaptation] Health, Food, and Water Security	Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023.	
Output Name (under the afore-mentioned outcome)		
2. Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
Percentage of population in targeted districts that are satisfied by level and quality of services provided by DCICs and other district level information sources		
Unit		
%		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	75	45.6
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
10	25	
Remarks (including changes, if any)		
The agro weather data that they obtained using the PICSA method.		
Most district authorities who were provided with seasonal rainfall forecasts by the project team conveyed their contentment with the provided data.		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas	Outcome Name	
[Adaptation] Health, Food, and Water Security	Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)		
2. Tailored climate information/products and decision-support platforms developed and disseminated for agriculture, fisheries, and flood risk management		
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.		
Indicator Name		
Assessments of private sector engagement and market feasibility for tailored products developed		
Unit		
#		
Baseline	Annual Value (Reporting Year)	Cumulative Value
0	1	1
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.
Mid-term Target	Final Target	
1	2	
Remarks (including changes, if any)		
The assessment was completed in 2023 by RMSI Private limited. The consultant assessed the climate information needs of the private sector and their willingness to pay for CI products. The assessment also came up with sustainability plans for hydro met infrastructure.		
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.		

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)			
3. Communities capacities strengthened for use of EWS/CI in preparedness for and response to climate related disasters			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Number of males and females reached by community-based automated early warning systems and other risk reduction measures established			
Unit			
#			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
0	175 000	275 000	
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
75 000	115 000		
Remarks (including changes, if any)			
Eighteen locations were operational for the Telemetry Community Based Flood Early Warning System (CBFEWS). Over 175,000 people (50% of them women) were alerted by the system to the eight flood-prone regions' eight sites.			
3 sites, however, were destroyed by Cyclone Freddy			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

Results Areas		Outcome Name	
[Adaptation] Health, Food, and Water Security		Targeted vulnerable communities including women in selected areas access and use climate related risk information to enhance livelihoods and increase resilience by 2023	
Output Name (under the afore-mentioned outcome)			
3. Communities capacities strengthened for use of EWS/CI in preparedness for and response to climate related disasters			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
Indicator Name			
Number of district and community level actors in targeted communities that show increased knowledge and use of EWS/DRM			
Unit			
#			
Baseline	Annual Value (Reporting Year)	Cumulative Value	
0	192	960	
	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	Please do not use commas nor periods for thousand separators. Periods are only allowed as decimal separators.	
Mid-term Target	Final Target		
100	300		
Remarks (including changes, if any)			
This year, 192 people (of which 33% are female) were trained in DRM. This involved the establishment, orientation, and supervision of GRM committees at district ad area lever in all the 8 targeted districts.			
If applicable, please submit a supporting document describing the calculation methodology for the current values provided.			

2.5 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.

The project was affected by the impact of the Tropical Cyclone Freddy which had hit Malawi in March 2023. Tropical Cyclone Freddy resulted in destruction of key public infrastructure, loss of lives and livelihoods for communities in the Southern Region. The Cyclone washed away some of the projects CBFEWS installations in Phalombe and Zomba districts. Due to the widespread damage by the cyclone, key project implementing partners including DoDMA (IP) and other RPs staff spent significant amount of time coordinating disaster response activities thereby delaying implementation of project activities. A 6-month No Cost Extension Request was therefore submitted to allow for the project to repair CBFEWS damages and allow for delayed activities to be implemented. Hence the new completion date for the project has moved from 30th December 2023 to 30th June 2024.

The above delays will not have any significant influence on the overall outcome of the project

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.

2.6 Implementation challenges and lessons learned

Below is examples per risk type for reference. N.B. Choose the most relevant type if the challenge is related to multiple types.

Operational: Start-up delays, inadequate or failed internal processes/systems, people management issues, restructuring

Political: Elections and changes in government, humanitarian crises, war, civil disorder, terrorism, sanctions and embargoes, criminal activities, and other country-specific issues

Procurement: Disruption/lapse in supply chain, conflict with suppliers, market failure

Legal: Contractual breach, legal disputes, insurance issues, changes in law and regulations on the ground, third-party liabilities

Sanctions: UN-imposed or any other international sanctions

Covid-19: Covid-19 related

Compliance: Any non-compliance with any GCF policies and procedures

Environmental and Social Safeguards (ESS): Any activities against GCF ESS policy

Gender: Any activities against GCF Gender policy

Indigenous Peoples (IPs): Any activities against GCF IPs policy

Financial: Potential default on loan repayment, and asset-liability management issues

Prohibited practices: Any activities against GCF Prohibited Practices policy

Ethics and conflicts of interest: Any activities against GCF Ethics and conflicts of interest

AML/CFT: Any activities against GCF AML/CFT policy and standards

Fiduciary standards: Any activities against GCF Fiduciary standards

SEAH: Any activities against GCF SEAH policy

Whistle-blowers: Any activities against GCF Protection of whistle-blowers and witnesses policy

Other: E.g., Natural uncertainties (COVID-19), cyber security risks

Challenge encountered

Tropical Cyclone Freddy led to CBFews equipment' destruction and project delays as most RP staff were committed to response activities for a significant period of time

Describe the challenge faced during the last twelve (12) months of implementation and critical risks that may result in a change to the scope and/or timing of the project; please provide a description and how they have impacted the implementation period and could impact other activities and final targets. N.B. Choose the most relevant type if the challenge is related to multiple types.

Challenge type **Impact level on the project implementation**

Operational High

Measures adopted

Requested a No cost extension

Please check if the above-mentioned challenge(s) has been resolved during the reporting period

The challenge(s) has been resolved during the reporting period.

Lesson learned and other remarks

Community Based Installations must be strengthened in the context of civil works

Please check if this challenge is caused by COVID-19 pandemic.

Yes

No

Challenge encountered

Vandalism of the solar panels that power the data acquisition and receiving units disrupted the functioning of community-based flood EWS at a few locations

Describe the challenge faced during the last twelve (12) months of implementation and critical risks that may result in a change to the scope and/or timing of the project; please provide a description and how they have impacted the implementation period and could impact other activities and final targets. N.B. Choose the most relevant type if the challenge is related to multiple types.

Challenge type **Impact level on the project implementation**

Operational Moderate

Measures adopted

Constant community engagement and awareness is key in safeguarding the hydro-met infrastructure.

Please check if the above-mentioned challenge(s) has been resolved during the reporting period

The challenge(s) has been resolved during the reporting period.

Lesson learned and other remarks

Constant community engagement and awareness is key in safeguarding the hydro-met infrastructure.

Please check if this challenge is caused by COVID-19 pandemic.

Yes

No

2.7 Updated implementation timetable for the Funded Activity

Please submit the implementation time table for the Funded Activity

2.8 [Private Sector Co-Investment Platform only] List of the ultimate beneficiaries (asset owners) or the investors (asset managers)

Please provide where GCF's investments are possibly benefitting leading green institutional investors (such as California State Retirement Savings, Norges Bank, Kuwait Investment Authority, Temasek).

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 2 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 2 is complete and ready for submission.

APR CY2023 Section 3: Financial Information - v2 2024-10-01 23:09 +09:00

[APR CY2023] Section 3: Financial Information

Please note that this is section 3 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

3.1 Annual Financial Performance Report

Please download the Financial Performance Report Template in Excel.

[Financial Performance Report Template](#)

Please note that the Financial Performance Report template has been updated with an additional master sheet where you will see a summary of data automatically extracted from multiple worksheets. AEs do not need to make any additional actions in this regard.

Please attach the Annual Financial Performance Report here.

[PIMS 5710_APR_2023_SECTION-3_2024_cleared by QM \(1\).xlsx](#)

Please make sure you use the attached template provided by the GCF. Reports submitted in any other formats would not be accepted.

Please provide any comments as necessary.

3.2 Unaudited Financial Statement

Submit the Unaudited financial statement (as required by FAA)

(Semi-)Annual Audited financial statement, Interim/Final Evaluation Report should be submitted via separate and dedicated submission channels.

Please provide any comments as necessary.

3.3 Disbursement projection

Select reporting currencies *

- USD
- EUR
- GBP
- JPY

This section is for GCF internal planning purposes only. Please provide indicative disbursement projections for 2024 and 2025. The information reported herein will not be published.

Please be mindful of the Undisbursed Balance provided above and avoid overbudgeting the projected values.

Projected disbursements to be requested in all of 2024: January 1st – December 31st, 2024. Please include disbursement requests already submitted in 2024 prior to APR submission.

Projected disbursements to be requested in all of 2025 (USD): January 1st – December 31st, 2025.

Please insert 0 (zero) and elaborate the reasons in the notes box below, if no projection can be provided.

Please insert 0 (zero) if financial instruments are not applicable to this project/programme.

	Approved budget by instrument	Cumulative Amount Disbursed from GCF to AE (until the end of 2023) by instrument	Undisbursed Balance (GCF Approved Funding)-(GCF Disbursed Funds)	Projected disbursements to be requested in all of 2024 (USD)	Projected disbursements to be requested in all of 2025 (USD)	Remaining budget
Equity	<input type="text"/>	<input type="text" value="0"/>	0	<input type="text"/>	<input type="text"/>	0
Grants	<input type="text" value="12294545"/>	<input type="text" value="12294545"/>	0	<input type="text" value="0"/>	<input type="text" value="0"/>	0
Guarantees	<input type="text"/>	<input type="text" value="0"/>	0	<input type="text"/>	<input type="text"/>	0
In-kind	<input type="text"/>	<input type="text"/>	0	<input type="text"/>	<input type="text"/>	0
Results-Based Payment	<input type="text"/>	<input type="text" value="0"/>	0	<input type="text"/>	<input type="text"/>	0
Senior Loans	<input type="text"/>	<input type="text" value="0"/>	0	<input type="text"/>	<input type="text"/>	0
Sub-ordinated Loans	<input type="text"/>	<input type="text" value="0"/>	0	<input type="text"/>	<input type="text"/>	0
Total	<input type="text" value="12294545"/>	<input type="text" value="12294545"/>	0	0	0	0

Notes

Please add any further explanations on the provided disbursement projections above if necessary.

Please confirm that disbursement projections are provided as per the guiding notes above. *

Confirmed

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 3 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 3 is complete and ready for submission.

APR CY2023 Section 4: Environmental and Social Safeguards & Gender - v2 2024-10-01 23:09 +09:00

[APR CY2023] Section 4: Environmental and Social Safeguards & Gender

Please note that this is section 4 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

4.1 Implementation of environmental and social safeguards and gender elements

Please provide information on the project or programme on the following: (1) key risks and impacts as identified; (2) 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.

4.1.1 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.

(4.1.1) 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.

4.1.2 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 specifically addressing ESS & Gender under FAA

Compliance Type
Covenant
Compliance Title & Description
<p>FAA Clause 9.02 In addition to Clause 18.02 of the AMA, the Accredited Entity covenants that as from the Effective Date of this Agreement it shall: [. .] (b) Continuously screen and monitor potential environmental and social risks and impacts arising from the Funded Activity using the social and environmental screening procedure and template provided by the Accredited Entity to the Fund, before the Approval Decision was taken, for the relevant Funded Activity; and</p>
Status of compliance
<p>Compliant</p> <p>No change since the last report</p> <p>(b) There is no change in the project's safeguard risk rating. Continuous screening and monitoring of potential environmental and social risks and impacts are continued. In 2023, the relevant project partners (DCCMS and DWR) visited hydro-met sites to conduct operation and maintenance exercises with no issues reported</p> <p>No change since last report</p> <p>(c) All the hydro-met instruments baring one were installed on Government land. Letters of consent were signed with institutions hosting the equipment.</p>

<p>Compliance Type</p> <p>Law / Regulation</p>
<p>Compliance Title & Description</p> <p>Environment Management Act of 1996; Sections 24-29 relating to Environmental Impact Assessment Audit and Monitoring, and Environmental and Social Impact Assessment process is guided by Environmental Impact Assessment Guidelines of 1997.</p>
<p>Status of compliance</p> <p>Compliant</p> <p>No change since the last report</p> <p>In accordance with the Environmental Management Act of 1996, an Environmental and Social Screening (ESS) was done in the year 2019 prior to the installation of the hydro-met equipment. Potential environmental and social impacts were identified, and the screening concluded that the project's risk rating remains low. In addition, the screening categorized the project as C and recommended that the project proceed with the installation of the equipment. In line with the recommendations of the EAD, generic environmental and social management, plans (ESMPs) were developed in 2019-20. In line with the ESMP recommendations, a range of activities was implemented to mitigate the potential environmental and social impacts arising from the installation of hydro-met equipment.</p>

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

Implementation of ESMPs and ESMFs

<p>Activities implemented during the reporting period, including monitoring</p> <p>1. Following the establishment of district-level grievance redressal committees to register and address issues regarding the non-compliance of the project's environmental and social safeguards, the committee members were trained in their roles and responsibility.</p>
<p>Outputs during the reporting period</p> <p>The District and Area grievance redressal committees were trained.</p>
<p>Key environmental, social and gender issues, risks and impacts addressed during implementation</p> <p>The District and Area grievance committees are now capacitated to record and address grievances related to the project at that level.</p>
<p>Any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention</p> <p>There is no pending key environmental, social and gender issues to report.</p>

<p>Activities implemented during the reporting period, including monitoring</p> <p>2. Regular operation and maintenance activities were carried out by DCCMS and DWR that included interaction with the communities on the safekeeping of the equipment.</p>
<p>Outputs during the reporting period</p> <p>Annual operation and maintenance of the hydro-met equipment were completed successfully in 2023.</p>
<p>Key environmental, social and gender issues, risks and impacts addressed during implementation</p> <p>The objective of the meetings was to address the risk of vandalism and enhance community ownership. DCCMS and DWR also conducted routine operation and maintenance visits and engaged with the communities to further strengthen the community ownership of the equipment.</p>
<p>Any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention</p> <p>None</p>

Activities implemented during the reporting period, including monitoring

3. The CBFEWS Sensitisation meetings continued in 2023. The meetings were led by District Civil Protection Committees and involved local leaders and community-level structures to understand the challenges with the safety of the gadgets and emphasise the importance of the CBFEWS.

Outputs during the reporting period

Community-based flood EWS were maintained in all 8 districts.

Key environmental, social and gender issues, risks and impacts addressed during implementation

Community awareness creation and engagement are the major foundation for establishing CBFEWS. DoD-MA continued to lead on Community sensitization during CBFEWS across the non-functional sites including those affected by Tropical Cyclone Freddy and vandalised sites. DoDMA was supported by UNDP, DCCMS and DWR.

Any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention

None

4.1.4 AEs are obligated to inform executing entities, people and project beneficiaries about the GCF's Independent redress Mechanism and the AE's own Grievance Redress Mechanism. This includes bringing the contact details, accessibility, and basic procedures of such mechanisms to the attention of executing entities, people and project beneficiaries. Please provide detailed information on the steps taken by the AE to fulfill this obligation during the reporting period in the project target area and to the public, including the dissemination of information through meetings, brochures, hotlines, and other means.

Please provide detailed information including dates and venues of activities, number of attendees, confirmation that information was provided on the 1) IRM and 2) AE's grievance redress mechanism 3] project-level grievance mechanism (where applicable).

4.1.4) AEs are obligated to inform executing entities, people and project beneficiaries about the GCF's Independent redress Mechanism and the AE's own Grievance Redress Mechanism. This includes bringing the contact details, accessibility, and basic procedures of such mechanisms to the attention of executing entities, people and project beneficiaries. Please provide detailed information on the steps taken by the AE to fulfil this obligation during the reporting period in the project target area and to the public, including the dissemination of information through meetings, brochures, hotlines, and other means. Please provide detailed information including dates and venues of activities, number of attendees, confirmation that information was provided on the 1) IRM and 2) AE's grievance redress mechanism 3] project-level grievance mechanism (where applicable).

[The projects' GRM which was operationalised in the previous year is functional. The established committees at District and Area levels continued to raise awareness on the existence of the mechanism to various stakeholders including beneficiaries through their regular engagements and forums. The translated Grievance Log Books which were distributed at District and Area levels were being regularly checked by the District civil protection committees. During the reporting period the project supported supervision of Grievance Redress Mechanism in Zomba, Phalombe, Karonga and Dedza districts. The supervision was done on 13th June in Zomba district, 14th June Phalombe district, 15th June 2023 Karonga district and 19th June 2023 in Dedza district. It was done through meetings with the district and area grievance redress committees. 56 members of the District Grievance Redress Committee of which 42 were males and 14 females took part in the supervision meetings in the four districts. From Area grievance redress committees 43 members of which 29 were males and 14 were females took part in the Supervision. No grievances were reported during the sessions and later in the period.]

As per the requirements of the UNDP Accountability Mechanism (see details in link 1 below), which are aligned with the GCF's IRM, information regarding the UNDP corporate mechanisms (Stakeholder Response Mechanism (see case registry in link 2 below) and the Social and Environmental Compliance Unit (see case registry in link 3 below)) and Project-level grievance redress mechanisms (see guidance in link 4 below) is made available to project stakeholders throughout project design and implementation including in Project Inception Workshops as outlined in the reports shared with the GCF. Information on the GCF IRM is also made available to all project stakeholders, and yearly reporting on project-level grievance redress mechanisms and stakeholder engagement events (including dates and venues) where this information is made available can be found in Sections 4.1.5 and 4.1.6 in PPMS.

For further information, please refer to the following web links:

Social and Environmental Compliance Review and Stakeholder Response Mechanism: <https://bit.ly/3Mc6Wqo>

Stakeholder Response Mechanism – Case Registry: <https://bit.ly/3Mldtzd>

Social and Environmental Compliance Unit - Case Registry: <https://bit.ly/3egxB95>

UNDP GRM Guidance: <https://bit.ly/3STllsK>

4.1.5 Include a description of the actions undertaken during the reporting period towards increasing the relevant stakeholders' engagement in the project environmental, social and gender elements.

The information in this subsection should be provided for all projects regardless of the E&S risk category for the project.

Implementation of the stakeholder engagement plan

Activities implemented during the reporting period

The National Disaster Preparedness and Relief Committee, chaired by the Chief Secretary to the Government of Malawi and comprised of Senior Officials from key government departments, NGOs, academia, UN agencies and development partners, met in 2022 to review the progress under the project and provided necessary guidance and directions for efficient project implementation.

Dates and venues of engagement activities

23rd January 2023

Information shared with stakeholders

The project stakeholders were updated on the progress made, and issues faced.

Outputs including issues addressed during the reporting period

The project work plan was approved, and the Committee reviewed progress of the project .

List of stakeholders involved in the engagement process

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

The project engaged with 14 Community Radio Stations for continued work on the development and broadcasting of Agricultural Advisory and fisheries weather warnings programmes

Dates and venues of engagement activities

Meetings were held at the district level.

Information shared with stakeholders

14 Radio stations were engaged in the development of content and broadcasting of programs for farmers and fishing communities

Outputs including issues addressed during the reporting period

- i) Partnership agreements with radio stations
- ii) Regular radio programs are being produced and broadcast for the benefit of farmers and fishers.

List of stakeholders involved in the engagement process

Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.

Activities implemented during the reporting period

Coordination Meetings were held with the Implementation Partner and all the Responsible Parties at least once in two months to discuss the project issues and review the progress.

<p>Dates and venues of engagement activities</p> <p>Quarterly Coordination Meetings June 2023</p> <p>Annual Planning and Review Meeting December 2023, Salima</p>
<p>Information shared with stakeholders</p> <p>Discussions centred around project progress and implementation challenges and solutions</p>
<p>Outputs including issues addressed during the reporting period</p> <p>The meetings helped the project to stay on track and address issues hampering the implementation of the project. Quarterly reports and work plans were jointly developed.</p>
<p>List of stakeholders involved in the engagement process</p> <p>Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.</p>

<p>Activities implemented during the reporting period</p> <p>Community Consultation and Sensitisation meetings with communities on safety of Hydromet Equipment and CBF EWS</p>
<p>Dates and venues of engagement activities</p> <p>January -December 2023</p>
<p>Information shared with stakeholders</p> <p>information was provided on the automated flood early warning system established by the project</p>
<p>Outputs including issues addressed during the reporting period</p> <p>Issues around safety of hydro-met equipment were discussed with the communities Discussions were also held around how to prepare the communities to respond to a flood early warning.</p>
<p>List of stakeholders involved in the engagement process</p> <p>Please provide the list of CSOs, NGOs, or other platforms, initiatives, and organizations that were involved or continue to be engaged according to the approved funding proposal's Annex 7 – Summary of Consultations and Stakeholder Engagement Plan. Please also include the list of any other stakeholders involved in the stakeholder engagement process.</p>

4.1.6 Implementation of the grievance redress mechanism - list on the grievances received in the reporting period with the description of the grievance, the date the grievance was received, and the resolution of the grievance.

<p>Description of issues/complaints received during the reporting period</p> <p>No complaints/Grievances were recorded during the reporting period</p> <p>Please specify to which grievance mechanism the complaint was filed (AE grievance mechanism or project-level grievance mechanism, If known, please explain relationship of the complainant to the project (for example: community member, contractor, business-owner, etc.)</p>	<p>Date of receipt</p> <p>Please provide information on any monitoring and follow-up activities.</p>
<p>Description of resolution</p>	<p>Status of addressing issues/complaints</p> <p>Based on GRM's own policies, provide information related to phase of complaint (for example: including but not limited to Open, Open: Under investigation, Open: Problem Solving/Compliance Review, Closed)</p>

If you wish to share more details on the nature of grievances reported above, please download the Grievance Tracker template below and submit it as an attachment here.

In case you want to keep the file confidential, please choose your preference accordingly in Section 1.1.

Please click the link below to download the grievance tracker template for Section 4.1.6.

[Grievance tracker template](#)

4.2 Gender Action Plan

The project continued to mainstream gender in all its activities at different levels, in accordance with the Gender Action Plan actions and indicators. Progress on gender empowerment and equality continued to be registered especially in the targeted districts where the project has implemented the PICSA approach. Responsible parties continued to capture success stories of women reporting improved joint decision making and joint participation in household productive activities following the PICSA training. Over 50% of farmers benefiting from this PICSA approach and improving their enterprise and agricultural productivity are women.

In 2023, 23,880 (55% women) lead farmers were trained on PICSA and they reached 243,206 (more than 100,000) women follower farmers in 14 districts. According to a profile of fish processors, most of whom are women, women have been getting important weather signals, which help them plan when to carry out their fish processing tasks. Fish losses due to rotting have decreased as people now have continual access to weather alerts via SMS and community radios, compared to the past when they only had restricted access to climate data.

Technical employees, including females from DCCMS and DWR, DoF, and DoDMA, received operation and maintenance training throughout the reporting period and assisted with the installation and upkeep of Hydro-met infrastructure. Furthermore, training was provided to 14 female employees on creating and sharing seasonal weather products and information. Distribution of district-downscaled seasonal/rainfall forecasts is now a crucial task that aids in disaster management affairs, agriculture, health, education, and other critical sectors in making emergency plans before the rainy season. The DCCMS women officers, together with their counterparts from other Responsible Parties, provided help for the distribution of seasonal predictions throughout Malawi's 28 districts.

Implementation Challenges and Lessons Learnt

There were no significant challenges in relation to gender related matters. The only challenge for the project has been that the Gender Analysis was conducted earlier before the implementation started hence some of the actual activities and targets in the action plan did not directly link to the implemented activities. However, the project proceeded to report on the proxy activities and indicators based on what was implemented on the ground. The key lesson learnt is to design or review and redesign the gender action plan during the implementation of the project.

Detailed progress on the implementation of the gender action plan is summarized below.;

Provide a progress report on the gender action plan developed during project preparation stage for the reporting period. This will primarily be a report on activities undertaken and results achieved as a result of completion of an activity. Further it should also indicate if the project is on track to achieving the intended outcome(s). The reporting should be done for activities, targets and indicators already set in the action plan including on vulnerable groups (youth, poor, female heads of households, etc.) as would have been identified in the gender analysis and action plan. If activities or targets are not achieved as per plan, reasons should be provided, and recourse action should be proposed. Please include a reporting on any changes or deviations. Include a Report on implementation challenges and lessons learnt and how these will inform on-going actions and what action will be taken by when to address the challenges faced. Incorporate both quantitative data and qualitative report of the performance of such actions, and on progress on actions identified.

4.2.1 Progress on implementing the project-level gender action plan submitted with the funding proposal

Activity / Action	
Promote O&M employment for women as well as men. (using net-works, social me-dia, etc.).	
Indicator	
Num-ber/percentage of trained personnel installing infra-structure by sex and age group.	
Baseline	Target, including sex-disaggregation
0	Number of women trained.
Budget	Currency
12 000	USD
Report on annual progress	
<p>BRL trained 8 female staff from DCCMS, NASFAM, DAES and DOF on the development and improvement of the Climate and Weather Information (CWIS) system for farmers and fishers. This was highly recom-mended to improve the O&M processes of the system.</p> <p>DWR trained 14 women tech-nical staff on hydrology opera-tion that involved understand-ing the principles of surface water hydrology, developing their skills in field data collec-tion, and analysis, Understand-ing the importance of data quality control</p>	

Activity / Action	
<p>Ensure participa-tion of women and men in O&M, data modelling, fore-casting, training for staff from DCCMS, DWR and the Ma-lawi Defence Force</p> <p>Promote training for women (in sci-ences, physics) through university, college, school network</p>	
Indicator	
<p>Number/percent participants trained in O&M, data modelling, forecasting, CI (and related) training by sex, age group</p> <p>Participant percep-tion of quality of training (meeting needs, learning style, etc.) by sex, age group.</p> <p>Evidence of promo-tion of train-ing/careers for women (in STEM towards climate infor-mation/disaster reduction (e.g. career talks and mentorship pro-grams in the tar-geted districts, websites, social media, mentions in newspapers, radio, expert visits to districts, schools, tv, etc.)</p>	
Baseline	Target, including sex-disaggregation
1	<p>4 women trained.</p> <p>90%</p> <p>Women receiving training are satis-fied</p> <p>10 women advance careers in CI and disaster reduction</p>
Budget	Currency
24 500	USD
Report on annual progress	
<p>5 Females from DWR were trained on how to collect accu-rate hydrological data, take care of the gauging station, and disseminate flood warning messages to the communities in the flood zone.</p> <p>During the year, 7 women staff from DCCMS supported the Seasonal forecast downscaling and development of PICSA products and seasonal fore-casts.</p> <p>7 women technical staff were trained on the generation of 2023/2024 area-specific rainfall seasonal forecasts and season-al characteristics information.</p> <p>7 more women have been re-cruited by DCCMs and have gone under training on genera-tion of EWs/CI and related activities</p>	

Activity / Action

Assess means in which women, men access weath-er/climate (and other information) to tailor climate information out-reach in ways that women will use as well as men. (e.g. women may not have time, be in a place to listen to radio). (This can also build on the work done under the Norway-funded GFCS in Balaka and Nsanje community sensitization on climate)

Ensure women are actively represent-ed, have voice, and are participating - as well as men in developing, test-ing, tailoring modes of outreach and feedback, in-cluding the 3-2-1, ESOKO (used by DAES), NASFAM (two-way system) advisory services inclusion of weath-er climate infor-mation and any other system.

Integrate resilience building approach-es (e.g. Gender Action Learning Systems/GALS) into community-based and gender-responsive partici-patory initiatives and sensitisation, e.g. facilitating dialogues with farmers, communi-ties, schools, wom-en, and faith-based groups.

Integrate resilience building approach-es (e.g. GALS) into capacity building at the district and community levels to provide inter-mediary support (Extension workers and NASFAM lead farmers) for the interpretation and adoption of new products and in-formation, includ-ing coproduction of materials and in-formation prod-ucts.

Work with local women and men in participatory map-ping (to augment other mapping techniques) to highlight important aspects that may not come out in terms of use, crops that are perceived as important to women, men (per-haps in relation to household food security as op-posed to marketa-bility, etc.) that don't come out from other tech-niques. Map out agricultural areas, farming systems, crops, fishing areas, livestock grazing, etc. from women's men's perspective in target districts and communities

Indicator

Num-ber/percentage of participants by sex, age group partici-pating in needs assessment on accessing weath-er/climate infor-mation.

Num-ber/percentage of participants by sex, age group actively involved in deci-sion-making (i.e. representation, voice) in develop-ment, testing, and tailoring modes of outreach and feedback (e.g. re-lated to 3-2-1, ES-OKO, etc.)

Evidence of train-ing of community-based facilitators (by sex/age group) across project area who can incorpo-rate resilience building approach-es (e.g. Gender Action Learning Systems/GALS which NASFAM is already champion-ing) into communi-ty-based dialogues with farmers, communities' farmers, schools, women, faith-based groups, etc.

Num-ber/distribution of community-based dialogues incorpo-rating resilience building approach-es (e.g. Oxfam GALS) by type of group and project site (e.g. farmer group, women's group, faith-based groups, schools, etc.)

Evidence of inte-gration of resili-ence building ap-proaches (e.g. GALS) into capacity building at district and community levels (e.g. training of trainers, incor-poration modules into other district training, extension exercises.

Evidence of partic-ipatory mapping with women, men (e.g. mapping exer-cises conducted with women, men; actual maps rec-orded; women's and men's maps used to support other mapping techniques, inclu-sion of mapping exercise, results in reports, etc.).

<p>Baseline</p> <p>0</p>	<p>Target, including sex-disaggregation</p> <p>30% women participate in assessments.</p> <p>30% women participate in testing and tailoring of CIs/WIs</p> <p>50 women empowered to incorporate resilience building approach.</p> <p>50 women empowered to incorporate resilience building into community dialogue</p> <p>2 types of training to empower women to integrate resilience building at district and community level</p> <p>10 % of women participate in the mapping exercise</p>
<p>Budget</p> <p>65 000</p>	<p>Currency</p> <p>USD</p>
<p>Report on annual progress</p> <p>In year 2023, a total of 25,000 and 11,800 women (40%) were profiled from NASFAM and DAES respectively. This involves agricultural/farm advisories related to weather/climate. The profiling ensures that the participants are registered for receiving SMSs and other tailored weather information/warnings.</p> <p>By 2023, the project has cumulatively trained 77,593 (55% female) lead farmers on PICSA including how to use Climate Information in farm decision making. The farmers further trained women farmers in the communities who then were actively engaged in decision making related to farming and livestock.</p> <p>Cumulatively the lead farmers have reached over to reach over 1,008,426 follower farmers of which 400,000 over are women. PICSA training enhances access to CI and seasonal forecasts for farm decision making</p> <p>Gender issues were mainstreamed through PICSA training, especially the lead farmers were trained to ensure participation of women in decision-making related to agriculture activities and the importance of equal access of women to weather and climate information. A total number of 23,880 lead farmers therefore have a better understanding of gender issues in agriculture.</p> <p>The PICSA approach includes social mapping of existing opportunities, risks and resources available in the communities. More than 4,499 women lead farmers were trained in the use of the tool and over 55,211 women farmers have been reached with PICSA training which included mapping of household resources for decision-making</p>	
<p>Activity / Action</p> <p>Build on needs assessments in Activity 2.1 above to identify and implement most effective ways of communicating warnings and advisories to women and men in fishing communities as well as gender-responsive and socially inclusive messaging.</p> <p>Build this learning into training for extension workers and others working on community outreach</p> <p>Indicator</p> <p>Build on needs assessments in Activity 2.1 above to identify and implement most effective ways of communicating warnings and advisories to women and men in fishing communities as well as gender-responsive and socially inclusive messaging.</p> <p>Build this learning into training for extension workers and others working on community outreach</p>	

<p>Baseline</p> <p>A few receiving general warnings. No tailored warn-ings for fishers</p>	<p>Target, including sex-disaggregation</p> <p>20% of women report receiving warning</p> <p>90% women satis-fied with warning</p> <p>2 products that includes issues related to gender</p>
<p>Budget</p> <p>30 000</p>	<p>Currency</p> <p>USD</p>
<p>Report on annual progress</p> <p>In 2023, 2,687 people of which 21% (565) were women have been added in the SMS platform to receive alerts on weather warning for their fish-ing activities, especially fish processing. They all expressed satisfaction with the warnings and advisories.</p> <p>Over 300,000 people (about 30 percent women) in fishing vil-lages across 4 lakeshore dis-tricts have been reached with weather and cli-mate information through community radio stations.</p> <p>District staff, including staff of the fisheries depart-ment expressed satisfaction with the new weather and climate information prod-ucts and warnings provided by DCCMS.</p> <p>Gender issues were included in the training of Fisheries District staff. Women largely form the fish processing value chain, and staff were trained to cater to the weather information needs of women involved in fish pro-cessing. The weather/climate products currently being de-veloped will consider the women's information needs.</p>	

<p>Activity / Action</p> <p>Ensure dissemina-tion systems and communication channels are estab-lished in a way that is gender respon-sive and socially inclusive.</p>	
<p>Indicator</p> <p>Evidence of gen-der-responsive and socially inclusive dissemination sys-tem and communi-cation channels (e.g. reports, feed-back from users, etc.).</p>	
<p>Baseline</p> <p>Essoko platform and Frontline Webplatform (NASFAM)</p>	<p>Target, including sex-disaggregation</p> <p>1 system estab-lished which is gender responsive</p>
<p>Budget</p> <p>20 000</p>	<p>Currency</p> <p>USD</p>
<p>Report on annual progress</p> <p>Two systems have been designed with gender inclusion issues in mind: the Climate and Weather Information System (CWIS) and the Agro-Weather Advisory SMS dissemination systems. Women employees worked on the systems development. Furthermore, all categories of people, including women, youth, the disabled, and vulnerable communities, have access to the distribution channels for the advisories created by the systems.</p>	

Activity / Action	
In addressing legal and institutional barriers, and the promotion of market development of tailored products, ensure all policy reviews, cost benefit analyses, and market feasibility studies are gender-responsive and socially inclusive, incorporating design elements that allow for understanding needs and constraints of different groups of people (e.g., Women, Youth, people living with disabilities etc)	
Indicator	
Evidence of gender-responsive legal and institutional mechanisms (e.g. gender-responsive and socially inclusive language in documents; supporting capacity building/training on implementing these policies in gender responsive manner, e.g. gender budgeting, gendered work-plans, reports, etc.)	
Baseline	Target, including sex-disaggregation
Limited Evidence	Gender Sensitive assessment reports Gender Sensitive training participation
Budget	Currency
20 000	USD
Report on annual progress	
The project made sure that a gender lens was incorporated into all studies on beneficiary needs assessments, direct project implementation, particularly capacity building and access to climate information and early warning systems, and approaches to data collection and recommended activity design.	

Activity / Action	
Build on Norway-funded GFCS in Balaka and Nsanje, community sensitization on climate through organizing, e.g. of annual World Met Day: awareness campaign in schools, faith based organisations, farmer groups, colleges, and communities; and support for District Climate Centres, highlighting gender and social inclusion related factors (norms, land, assets, youth and climate information/youth as CI intermediaries), etc. – could be a different focus each year). Document and share examples and case studies of successful gender-responsive EWs and CI with senior government and political leaders	
Indicator	
Numbers/percent by type of knowledge sharing/communication product (e.g. policy brief, pamphlet, video, etc.) that consider gender responsiveness and social inclusiveness in design and implementation (e.g. tailoring of messages, medium used, message, etc.). Numbers of people reached by awareness campaigns by sex, age group and type of campaign/activity	
Baseline	Target, including sex-disaggregation
No evidence existing	2 gender sensitive products 20% women reached by awareness campaign.
Budget	Currency
20 000	USD
Report on annual progress	
In 2023, the project through DoF produced a video documentary that conceptualized themes related to weather information and safety at sea and included women. Additionally, DWR Produced TV documentary on Hydrological monitoring equipment to promote safety of the equipment as well as aired TV programs on Malawi Broad Casting Station (MBC) for the dissemination of messages on the importance Hydrological monitoring stations is estimated to have reached over 50% of women. In 2023, over 30% of women participated in awareness campaigns conducted by DoF on Types and seasonality of hazards on Lake Malawi on how to access weather information, Various ways to ensure safety of fisher, Rescue and First Aid at Sea	

All Monitoring and stakeholder engagement activities listed below are ongoing and will be undertaken Q1 and Q2 of 2024:

- Continue to monitor any ESS issues as per projects ESMP
- Continuously monitor and address grievances and issues related to the project
- Community sensitization and awareness-raising meetings to prevent vandalism and enhance community ownership of the hydro-met equipment & EWS
- The project will continue with operation and maintenance of hydro-met infrastructure and community engagement and sensitization to ensure equipment safety. Therefore the project will monitor and capture any emerging social and environmental issues requiring attention.

Provide a list of activities in the ESMP to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products. Please include the monitoring schedule concerning ESS (including other potential vulnerable groups and indigenous people) for the next annual reporting period.

4.4 Planned activities on gender elements for the next reporting period

The following is a list of key activities on gender elements that will take place in Q1 and Q2 of 2024:

- Ensure that gender issues are incorporated in the design of final evaluation for the MCLIMES project. Similarly ensure that the assessment has captured the views of women re results, challenges and lessons on access to climate information and early warnings in the final report. Linked to Action under activity 2.1.
- Documentation of case stories and project completion report including the impact of the project promotion of gender. Linked to action under activity 2.5.

Provide a list of activities in the gender action plan to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products including processes that will be involved to implement the activities effectively. Please include the monitoring schedule concerning gender activities for the next annual reporting period. Report on actions taken on any of the recommendations made by the secretariat (if applicable) to improve the level of integration of gender issues in the project.

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 4 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 4 is complete and ready for submission.

APR CY2023 Section 5: Annexes and Attachments - v2 2024-10-01 23:09 +09:00

[APR CY2023] Section 5: Annexes and Attachments

Please note that this is section 5 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

Annex 1: Accredited Entity compliance reports

Self-assessment reports, Report on Actions pursuant to Clause 18.02, if applicable. Self-assessment reports: In accordance with the AMA requirement in Clause 13.01 of the Accreditation Master Agreement, with the Fiduciary Principles and Standards, ESS and Gender Policy. Report on Actions pursuant to Clause 18.02: Only applicable to International Accredited Entities. In accordance with the Monitoring and Accountability Framework, a report on its actions carried out or planned to be carried out pursuant to Clause 18.02 of the Accreditation Master Agreement.

Please provide comments on the annexes attached above if any.

Procurement information (on a voluntary basis)

Please download the procurement information template available in Excel below.

[Procurement information template](#)

Please attach the procurement information here.

Please provide information on goods and services procured under GCF-funded projects/programmes. The information is being collected to increase transparency of activities undertaken with GCF resources. This exercise does not imply or require any change in the procurement processes already agreed with the GCF and is purely for information purposes. Please provide information on cumulative procurement activities undertaken in each project/programme funded by the GCF.

Attachments

Please submit any attachments (if any).

[PIMS 5710_APR_2023_SECTION-3_2024_cleared by QM \(1\).xlsx](#)

[5710 Malawi_V2_20240223.docx](#)

Confirmation and Acknowledgement of Information *

* This is a required question to submit section 5 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 5 is complete and ready for submission.