

General Template of the Annual Performance Report (APR)

Reference Number (FP072): Strengthening climate resilience of agricultural livelihoods in Agro-Ecological Regions I and II in Zambia
UNDP

Annual Reporting Period Covered in this Report:
(From 01-01-2018 to 31-12-2018)

Sections in this report:

- Section 1: General Information
- Section 2: Implementation Progress
- Section 3: Financial Information¹ (Excel worksheet attached).
- Section 4: Report on Environmental and Social Safeguards & Gender
- Section 5: Annexes
- Section 6: Attachments

SUBMITTED BY	
<i>Ciara Daniels, Gender, Results and Reporting Coordinator</i> Name and title	<i>1 March 2019</i> Date
<i>Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity (Yes/No)</i>	<i>Date of submission to NDA 1 March 2019</i>

¹ Please refer to excel worksheet attached "APR Section 3 (Financial Information)". Provide as attachments to this report any detailed additional financial information if required in the Funded Activity Agreement.

SECTION 1: GENERAL INFORMATION

This section provides general information on the funded activity.

1. Funded Activity Title:	<i>Strengthening climate resilience of agricultural livelihoods in Agro-Ecological Regions I and II in Zambia</i>
2. Funding Proposal Number:	<i>(FP072)</i>
3. Date of Board approval - Board Meeting Number:	<i>3/1/2018 B.19</i>
4. Accredited Entity:	<i>UNDP</i>
5. Focal Point of the Accredited Entity for this Project:	<i>Mr. Benjamin Larroquette Benjamin.larroquette@undp.org +919786293578</i>
6. Executing Entity(ies):	<i>Ministry of Agriculture</i>
7. Implementation Period:	<i>From: 10/12/2018 To: 10/12/2025</i>
8. Current year of Implementation:	<i>year 1</i>
9. Date of Submission of the Report:	<i>3/1/2019</i>
10. Annual Reporting period covered in this report:	<i>From: 10/6/2018 To: 12/31/2018</i>
11. Total Project Budget ² :	<i>137,269,000.00</i>
12. Total amount of GCF Proceeds Approved:	<i>32,000,000.00</i>
13. Total amount of GCF Proceeds disbursed (cumulative) to the Accredited Entity:	<i>3,077,613.00</i>

² Total project budget including co-financing as reflected in the relevant Funded Activity Agreement.

SECTION 2: IMPLEMENTATION PROGRESS

2.1 OVERALL (SUMMARY) PROJECT PROGRESS *(less than one (1) page³)*.

The project was approved by the Board in February 2018 and received a Notice of Effectiveness (NoE) from the GCF in October 2018. Thus, this document reports on less than three months of implementation. Having the NoE in October 2018, the transfer of funds took place around the end of December 2018. Thus, the report is based on the project co-financing that was provided and materialised during the reporting period from the Government and UNDP, amounting to 14,530,871.35. (UNDP + Government expenditure- 569,000 and 13, 961,871.35 respectively)

The project undertook the following preparatory activities:

- Conducted orientation meetings for National, Provincial & District level staff to ensure all stakeholders are familiar with the project objectives and their roles in the project necessitated as it has taken a very long time from Funding Proposal preparation to approval (over 2 Years). The orientation workshop culminated into the 2019 work plan process.
- Commenced the recruitment process of Project Implementation Unit (PIU) staff and set up the PIU to minimize delays in the startup of the project.
- Conducted Harmonised Approach to Cash Transfers (HACT) assessments on the implementing agencies (Ministry of Agriculture (MoA at Head Quarters and 16 districts), Water Resources Management Authority (WARMA), Zambia Meteorological Department (ZMD). The results of these assessments indicated that MoA HQ and districts had low to moderate risks respectively implying that the risk was within the acceptable range that can be managed. WARMA was low risk while ZMD assessment is yet to be concluded with Ministry of Transport and Communication Head Office under which ZMD is based. The moderate risk score will be addressed by UNDP capacity building within the Project Management framework. In this regard, capacity building training for implementing partners has been arranged for the third week of January 2019 to cover among other things project reporting, financial management and communication of the results.
- Ensured that implementing partners and stakeholders were equipped with knowledge on the Learning Oriented Real Time Assessment (LORTA) activities that GCF is implementing in pilot countries that include Zambia. This took place from the 5th to the 9th of November 2019 and was conducted by the GCF Independent Evaluation Unit. The stakeholders who took part in the training include Ministry of Agriculture staff (districts, provincial and national levels), Water Resources Management Authority (WARMA), Zambia Meteorological Department (ZMD), World Food Programme (WFP), Food and Agriculture Organisation of the United Nations (FAO) and UNDP. The LORTA activities have been included in the 2019 workplan.
- Distribution of climate resilient inputs to 79,000 farmers under the Farmer Input Support Programme (FISP) from September to December 2018. The inputs include climate resilient seeds and fertilisers which formed the biggest proportion. For the farmers practicing climate smart agriculture, the crop is performing better than the crop for farmers who are practicing conventional farming. Refer to pictures in Annex 1.
- Disseminated seasonal rain forecast for 2018/2019 to the 16 target districts and the rest of the districts in the country which contributed to farmers making decisions on planting early maturing and climate resilient seeds. Refer to http://www.zmd.gov.zm/index.php?option=com_docman&Itemid=108.
- ZMD has institutionalised dissemination of seasonal rainfall updates on a weekly basis at the national broadcaster for both TV and radio. Further, ZMD has established a WhatsApp group for media houses (10 media houses) to facilitate dissemination of weather information. Furthermore, partnerships with other stakeholders such as mobile telecommunication service providers will be enhanced in the coming years with the project support.
- WARMA has rehabilitated the central water quality laboratory to meet required standards that support water quality monitoring in the country including the 16 project districts. The water quality will be useful for farmers in planning, crop varieties to grow as well as water management.
- FAO with own financing (not captured under co-financing) continued to strengthen selected existing Farmer Field Schools (FFS) in Mambwe and Nyimba districts.

Notwithstanding the above progress, there have been delays in the implementation of project due to the delayed disbursement process, which in turn contributed to delayed recruitment and procurement.

³ Please remove text below to fit report to one page. Additional reports can be provided as other attachment to the APR.

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

Provide a narrative report describing the progress on the funded activity's performance against [the GCF investment criteria framework](#). The performance should be compared against the initial assessment provided in the Board-approved Funding Proposal (section E). The list of the investment criteria as per the current framework is provided below.

For each investment criteria outlined below, please include an assessment of current status, changes, progress and impact of the project as well as any impact of project context on the project during this reporting period against the initial baseline scenario and planned activities as per the assessment presented in the approved Funding Proposal.

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

Potential of the project/programme to contribute to the achievement of the Fund's objectives and result areas

Mitigation / adaptation impact potential

Project implementation is at a very early stage to determine the impact. However, it is expected that from the 79,000 farmers who accessed resilient seeds short term impacts will be seen after the harvest and marketing of the crop.

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

Paradigm Shift Potential

Degree to which the proposed activity can catalyse impact beyond a one-off project/programme investment

Potential for scaling up and replication (Provide a numerical multiple and supporting rationale)

The activities that have been undertaken during this reporting period (Oct – Dec 2018) have the potential for a paradigm shift and change the business as usual approaches. These include the following;

- The ZMD has institutionalised the seasonal rainfall forecasts updates which are being extended beyond project target districts as well as involvement of other stakeholders.
- FISP is institutionalized with annual government budget allocation for provision of farm inputs to small scale farmers including those in the target districts. FISP covers climate resilient inputs such as legumes, weather index insurance, using the e voucher modality that gives the farmers a choice on the selection of climate resilient inputs. Further the involvement of private sector in the value chain in the input and output markets that extends beyond the project target districts thereby assuring sustainability.
- Farmer field schools that are being strengthened and will be established where they do not exist are being institutionalised as part of the extension service delivery.

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

Sustainable Development Potential: Environmental, social and economic co-benefits, including gender-sensitive development impact:

The project has begun to work towards improvement of environmental, social, economic co-benefits and gender-sensitive development impact as outlined below;

- i. Economic benefits
 - Increased prospects of household incomes as a result of improved agriculture production and productivity through conservation farming. A reduction in risks associated with climate change and variability to the small holder farmers through the provision of timely and accurate weather and climate information.
- ii. Social safeguards and gender
 - empowerment of women to access seeds through prioritization of this vulnerable group in the participation of project interventions.

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

Needs of the Recipient

Vulnerability and financing needs of the beneficiary country and population

Vulnerability of country and beneficiary groups (Adaptation only)

Vulnerability remains as it was during formulation. Continued monitoring will be undertaken to changes that will take place over time.

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

The Government has demonstrated ownership through:

- Timely disbursement of Co-finance which enable start of project activities before the GCF grant funds were received: in the reporting period government has provided inputs to 79,000 farmers valued at USD 13,961,871.35 for the 16 target districts. The inputs were planted and at vegetative stage during the reporting period and farmers appreciate the inputs thus received.
- Meetings that involve farmers and extension officers under Ministry of Agriculture took place during the reporting period and farmers emphasised on the need for implementation to roll out expeditiously in view of the vulnerability that the farmers continued to be in.
- NDA has been actively involved in the orientations and work planning processes and have provided support to the processes. The NDA has been particularly impressed with the quick mobilisation to start implementation in good time.
- Government has continued to provide annual budget allocations to established entities such as WARMA, ZMD and Ministry of Agriculture are leading implementation of project activities. Activities so far carried out include government convening and facilitating awareness and planning meetings for approved project details, implementing modalities and final budget and workplan targeting lead farmers, extension officers and senior officers at district, provincial and national levels.
- Government Policies such as National Policy on Climate Change, NAP, 7NDP, NAPA, NDC, Vision 2030, SDGs are in place and have been mirrored by the Project. An agriculture sector NAP is in the process of being developed.
- In addition, WARMA has launched the Strategic Plan for 2017 – 2022 in December 2018. The strategic plan focuses on, among other things, strengthening water resources and water users' associations. The project seeks to establish and strengthen water associations and the SP provides an important framework for operationalisation and administration of the associations.

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

This area will be reported on further in the next reporting period. The co-financing ensured that project activities implementation started in good time which in turn was effective in addressing climate change by building resilience of the participating households who accessed climate resilient seeds.

2.3 PROJECT OUTPUTS IMPLEMENTATION STATUS ⁴			
Project Output	Project Activity	Status ⁵	Implementation progress (%) ⁶
1. Smallholder farmers are able to plan for and manage climate risk to support resilient agricultural production	<i>Project Activity 1.1 Strengthen generation and interpretation of climate information and data collection to ensure timely and detailed weather, climate, crop and hydrological forecasts are available to support smallholder farmers in planning and management of water resources used in resilient agricultural practices</i>	Activity Started - progress delayed	2%
	<p><i>Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, 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.</i></p> <ul style="list-style-type: none"> Engagement of stakeholders on the interpretation and expected impacts of the forecast WARMA recorded an increase in the revenue collection of user fees and charges for use of water resources exceeding the revenue target by 30% during the reporting period. 	<p><i>Please include a list of key milestones and deliverables expected to be executed in the next reporting period.</i></p> <p>Weather, ground, surface water and water quality information generated and disseminated in 5 districts of the project area through the following activities;</p> <ul style="list-style-type: none"> 10 AWSs installed 5 telemetry surface water stations installed 5 ground water monitoring stations installed 1 gauging weir installed Commencement of construction of regional water quality laboratory Procurement of 5 laptops and 5 software packages (hardware for water modelling) 	
	<i>Project Activity 1.2. Strengthen dissemination and use of tailored weather/climate-based agricultural advisories to ensure smallholder farmers receive the information they need for planning and decision-making</i>	Activity Started - progress delayed	
	<ul style="list-style-type: none"> Production and dissemination of seasonal rain forecast for 2018/2019 for the 16 target districts and the rest of the districts in the country as a spill over. ZMD has institutionalised dissemination of seasonal rainfall updates (http://www.zmd.gov.zm/index.php?option=com_docman&Itemid=75) on a weekly basis on the national broadcaster for both TV and radio. ZMD has established an effective link with media houses through a WhatsApp group for media houses that disseminates daily seasonal rainfall updates. 	<ul style="list-style-type: none"> Crop weather bulletins translated into local languages and disseminated. 	

⁴ Outputs and Activities reported here should be aligned with the Activities in the Logic Framework and Implementation Timetable of the project.

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

⁶ Implementation progress on a cumulative basis as of the date of the report.

	<ul style="list-style-type: none"> WARMA launched a brand-new website hosted by the Zambia National Data Centre aimed at increased public sensitisation on water resources management. WARMA has rehabilitated the central water quality laboratory to meet required standards that support water quality monitoring in the country. 		
2. Resilient agricultural livelihoods are promoted in the face of changing rainfall, increasing drought and occasional floods	<i>Project Activity 2.1 Promote irrigation schemes, water storage and capture as well as other resilient water management strategies to increase access to water for agricultural production in the target districts within Agro-Ecological Regions I and II</i>	Activity Not Yet Due	0%
	No progress to report on as this activity has not yet been implemented during this reporting period.	<ul style="list-style-type: none"> Water users associations formed and functional in 60 camps targeted under the project Irrigation infrastructure constructed. 	
	<i>Project Activity 2.2 Increased access to agricultural inputs (e.g. seeds, soil kits, tools) for resilient crops</i>	Activity Started - progress delayed	14%
	79,000 farmers (27,650 females accounting for 35%) have accessed agricultural inputs under the Farmer Input Support Programme (FISP) in the 16 target districts. The packs accessed allowed farmers to have seeds, fertilisers, pesticides.	105,600 farmers access inputs with 99,000 farmers on the FISP and 6,600 from the GCF.	
	<i>Project Activity 2.3 Introduction of new resilient agricultural production practices to strengthen production and diversify crops amidst climate variability and change</i>	Activity Started - progress delayed	14%
	Out of the 79,000 farmers who accessed resilient agricultural practices and inputs that were provided under FISP 6,600 practiced conservation farming.	6,600	
	<i>Project Activity 2.4 Introduce alternative livelihoods to strengthen resilience in target communities</i>	Activity Not Yet Due	0%
	No progress to report on as this activity has not yet been implemented during this reporting period.	8,000 farmers benefiting from alternative livelihood initiatives	
	<i>Project Activity 2.5 Establish farmer field schools and learning centres of excellence to further document and scale up successful practices</i>	Activity Not Yet Due	0%
	None	440 farmer field school strengthened and/or established.	
3. Increasing farmers' access to markets and	<i>Project Activity 3.1 Strengthen processing of resilient products</i>	Activity Not Yet Due	0%

commercialization of resilient agricultural products	None	This activity will commence in 2020		
	Project Activity 3.2 Strengthen storage, aggregation and transportation of resilient products to enhance commercialization and linkages to market and SMEs		Activity Not Yet Due	0%
	None	This activity will commence in 2020		
	Project Activity 3.3 Increase access to finance and insurance products for smallholder farmers by strengthening financial education and facilitating engagement with potential financing sources including public, private, bilateral and multilateral sources		Choose an item.	(e.g. 50%)
	None	This activity will commence in 2020		
	Project Activity 3.4 Identify available markets and promote climate-resilient products		Activity Not Yet Due	0%
	None	This activity will commence in 2020		

2.4 PROGRESS UPDATE ON THE LOGIC FRAMEWORK INDICATORS ⁷					
2.4.1 PROGRESS UPDATE ON FUND-LEVEL IMPACT INDICATORS OF THE LOGIC FRAMEWORK					
Fund-level impact Core indicators ⁸	Baseline	Current value ⁹	Target (mid-term)	Target (final)	Remarks (including changes ¹⁰ , if any)
A1.0 Increased resilience and enhanced livelihoods of the most vulnerable people, communities and regions: Indicator 1.2: Number of males and females benefiting from the adoption of diversified, climate-resilient livelihood options	0	79,000	160,000 female 240,000 male	Female: 378,461 Male: 567,692	The achieved performance is under FISP with 27,650 women farmers (35%) while participation of men farmers stood 51,350 representing 65% participation.
A2.0 Increased resilience of health and well-being, and food and water security: Indicator 2.4: Area (ha) of agricultural land made more resilient to climate change through changed agricultural practices (e.g. planning times, new and resilient native varieties, efficient irrigation systems adopted)	0	0	800 ha	2700 ha	

Project/Programme indicators (Mitigation/Adaptation)	Baseline	Current value ¹¹	Target (mid-term)	Target (final)	Remarks (including changes ¹² , if any)
A7.0 Strengthened adaptive capacity and reduced exposure to climate risks					
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	57,737	0	136,110	245,516 direct (50.2% of whom are female).	Work will commence in 2020
1. Smallholder farmers are able to plan for and manage climate risk to support resilient agricultural production					
Percentage of smallholder farmers demonstrating knowledge to plan for and manage climate risk to support resilient agricultural production disaggregated by gender	0	17% female and male smallholder farmers able to plan & manage risk	45% female and male smallholder farmers able to plan & manage risk	90% female and male smallholder farmers able to plan & manage risk	The current figures are obtained from Kazungula district who have advanced in the use of weather and CC variability information.
Percentage of population with access to improved climate information, weather and agricultural advisories (disaggregated by gender)	0	9% of female population	52% of female population	62% of female population	This obtained in three districts namely Gwembe, Sesheke and Mambwe.
Perception of targeted populations on the timeliness, content and reach of weather, agricultural and water advisories	0	7% of both female and male populations have a positive perception	30% of both female and male populations have a positive perception on timeliness, content and reach of weather, agricultural and water advisories	70% of both female and male populations have a positive perception on timeliness, content and	This obtainable in three districts namely Gwembe, Sesheke and Mambwe.

⁷ Per the approved methodology in and the Logic Framework in the Funding Proposal, please provide an update on the relevant indicators.

⁸ As per the relevant indicators established in the Funding Proposal and the Performance Measurement Framework, including all indicators approved by the Board and relevant updates agreed with GCF, if applicable.

⁹ As of 31December of the relevant year.

¹⁰ Related to the approved indicators and targets in the Logic Framework.

¹¹ As of 31December of the relevant calendar year.

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

Project/Programme indicators (Mitigation/Adaptation)	Baseline	Current value ¹¹	Target (mid-term)	Target (final)	Remarks (including changes ¹² , if any)
		on timeliness, content and reach of weather, agricultural and water advisories		reach of weather, agricultural and water advisories	
2. Resilient agricultural livelihoods are promoted in the face of changing rainfall, increasing drought and occasional floods					
Number of farmers adopting new agricultural practices and alternative livelihoods	0	5250 comprising of 3150 female and 2100 male	Female: 40,000 Male: 60,000	Female: 83,000 Male: 124,510	The figures are from Kazungula and Chongwe
Percentage increase in agricultural incomes in the project sites	0	0	35% of both male and female smallholder farmers show an increase in agricultural incomes by at least 25%	70% of both male and female smallholder farmers show an increase in agricultural incomes by at least 60%	The change will only occur after harvesting of current crop due in June/July 2019.
3. Increasing farmers' access to markets and commercialization of resilient agricultural products					
Percentage of resilient commodities produced by target farmers that are sold on the markets	0	0	40% for both female and male	80% for both female and male	The change will only reflect after harvesting of current crop due in June/July 2019.
Percentage of households accessing financial education programmes related to credit and insurance schemes	0	0	20%	50%	This activity will commence this year 2019.

2.5 IMPLEMENTATION CHALLENGES AND LESSONS LEARNEDS

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

Challenge encountered	Type ¹³	Measures adopted	Impact on the project implementation ¹⁴	Lessons learned and Other Remarks
N.A.	Financial	N.A.	Choose an item.	N.A.
N.A.	Choose an item.	N.A.	Choose an item.	N.A.

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

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

Zambia has been selected by the GCF as a pilot country for the GCF IEU Learning-oriented Real-time Impact Assessment (LORTA). Inclusion of LORTA activities such as control groups and capacity building activities that will require additional resources beyond what has been approved in the funding proposal by the GCF under M & E. the detailed concept note. While waiting for the approval of the concept note and budget for the LORTA, as a precaution in the 2019 budget some activities for LORTA have been included.

No material changes foreseen at this point.

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

¹⁴ Minor/Solved; Moderate; High.

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

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

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

(1) The information includes description on any changes in the key environmental and social risks and impacts as identified and arising from the implementation including any unanticipated risks and impacts (*ex. from changes in laws and regulations*) and, based on these if any change in the project's environmental and social risk category. In case of a change in the E&S risk category for the project, please provide an explanation. This initial social and environmental risks described in the FP and its annexes have not changed yet. During the course of the implementation of the project regular monitoring and assessments of these risks will be carried out by the project management unit and UNDP.

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

*Status of compliance with applicable laws and regulations and the conditions and covenants under FAA –
No activities have started in the reporting period as funds were not yet received.*

Applicable laws and regulations/ conditions and covenants	Status of compliance
FAA Clause 7.01 This Agreement shall enter into effect on the date upon which the Fund dispatches to the Accredited Entity a notice of its acceptance of the evidence specified below ("Effective Date"): (a) A duly authorized and executed copy of this Agreement by the Accredited Entity; (b) A certificate issued by the Accredited Entity's most senior legal officer, in a form that is satisfactory to the Fund, certifying that this Agreement entered into by the Accredited Entity has been duly authorized or ratified by all necessary corporate actions, duly executed and delivered on behalf of the Accredited Entity, and is legally binding and enforceable upon the Accredited Entity in accordance with its terms; and (c) An indicative disbursement schedule by the Accredited Entity indicating month and year for the Disbursement of the GCF Proceeds by the Fund to the GCF Account for the implementation of the Funded Activity.	FAA clause 7.01(a - c) has been fulfilled as of 12 October 2018.
FAA Clause 9.01 The obligation of the Fund to disburse GCF Proceeds in connection with the Funded Activity under this Agreement shall be subject to the following conditions having been fulfilled to the satisfaction, in form and substance, of the Fund: (a) General conditions for all Disbursements: (i) Other than in relation to the first Disbursement, submission to the Fund by the Accredited Entity of evidence that at least seventy per cent (70%) of the funds previously disbursed by the Fund have been spent on Eligible Expenditures; (ii) Other than in relation to the first Disbursement, submission to the Fund by the Accredited Entity of APRs and Financial Information in accordance with the AMA; (iii) Delivery to the Fund by the Accredited Entity of a Request for Disbursement, signed by the person or persons authorized to do so, within thirty (30) calendar days prior to the date on which the Disbursement is requested to be made, which shall not be later than the Closing Date;	FAA clause 9.01(a)(iii - iv) and (b)(i - iv) for first disbursement has been submitted and fulfilled as of 12 December 2018. FAA clause 9.01 (a)(i - iv) for second disbursement will be fulfilled at the second disbursement request period.

<p>(iv) Delivery to the Fund by the Accredited Entity of evidence indicating the status and the amount of the Co-financing funds disbursed and applied to the Funded Activity implementation activities up to the date of the request for funds made by the Accredited Entity; and</p> <p>(b) Conditions precedent to first Disbursement:</p> <p>(i) Effectiveness of this Agreement;</p> <p>(ii) Delivery to the Fund by the Accredited Entity of an executed copy of the Subsidiary Agreement, in the form of a Project Document, between the Accredited Entity and the Executing Entity;</p> <p>(iii) Delivery to the Fund by the Accredited Entity of evidence, satisfactory to the Fund, of the authority of the person or persons authorized to sign each Request for Disbursement (with respect to the GCF Proceeds and the Accredited Entity Fees) under this Agreement, and the authenticated specimen signature of each such person; and</p> <p>(iv) Delivery to the Fund by the Accredited Entity of a completed, detailed evaluation of the Executing Entity's and the Responsible Parties' financial management capacity under the Framework for Cash Transfer to Implementation Partners, indicating that the Executing Entity and the Responsible Parties have financial management capacity to implement the Project.</p>		
<p>FAA Clause 10.02</p> <p>In addition to Clause 18.02 of the AMA, the Accredited Entity covenants that as from the Effective Date of this Agreement it shall:</p> <p>(a) Upon request by the Fund, inform the Fund on the status of the Co-financing funds that have been disbursed and applied to the implementation of the Project activities;</p> <p>(b) Confirm to the Fund, in the APRs to be submitted to the Fund, that the Executing Entity has allocated in its annual budget the relevant Co-financing resources for the implementation of the Project to the satisfaction of the Accredited Entity;</p> <p>(c) Deliver to the Fund an inception report, in accordance with Schedule 4, which shall include the Implementation Plan with an indication of the relevant deliverables in the time line, in form and substance satisfactory to the Fund;</p> <p>(d) Undertake and/or put in place any adequate measures in order to ensure that the management of the environmental and social risks and impacts arising from the Funded Activity complies at all times the recommendations, requirements and procedures set forth in the Environmental and Social Management Framework ("ESMF"), which was provided by the Accredited Entity to the Fund before the Approval Decision;</p> <p>(e) Ensure that the GCF Proceeds will not support or finance, directly or indirectly, any activities with potential environmental and social risks that are equivalent to category A pursuant to the Environmental and Social Risks Categories to be conducted as part of the Project;</p> <p>(f) Obtain, or ensure that the Executing Entity shall acquire, all land and rights in respect of land that are required to carry out the Funded Activity and promptly furnish to the GCF, upon its request, evidence that such land and rights in respect of the land are available for the purposes of the Funded Activity;</p> <p>(g) Prior to commencing any construction works or activities for the implementation of the Project, submit the detailed Environmental and Social Management Plan ("ESMP") related to the relevant construction works or activities to be executed;</p> <p>(h) Ensure that the Co-financing provided by or flowing through UNDP for the execution of the Funded Activity is obtained from and contributed by UNDP in a timely manner;</p>	<p>FAA Clause 10.02</p> <ol style="list-style-type: none"> Please refer to the financial information reporting parts of the APR for the information on the status of co-finance materialisation (disbursement/application). Please refer to financial information reporting parts of the APR. We confirm that the executing entity has allocated in its annual budget the relevant co-financing and it has been applied in line with the implementation progress. Inception Report (including the Implementation Plan) will be submitted within the deadline (6 months after FAA effectiveness). Adequate measures will be undertaken during the implementation of the project. Initial steps include: SOPs and training are being prepared for the PMU to be able to produce ESMPs for each construction. UNDP will ensure that, during the implementation of the project, GCF Proceeds will not support of finance any activities with category A risk. The land in which the project will be carried out is government-owned. In the case that the private-owned land is used by the project, letters of consent will be collected. UNDP will submit the detailed ESMPs prior to commencing construction activities. The expected timeframe is June 2019. UNDP will ensure that, during the implementation of the project, UNDP co-financing will be obtained and contributed in a timely manner. Appropriate measures will be taken during implementation of the project. Appropriate measures will be taken to ensure (i) and (ii) during implementation of the project. UNDP fiduciary principles and standards relating to AMT/CFT will be applied during the implementation of the project. 	

<p>(i) Take appropriate measures to ensure that the Co-financing and the GCF Proceeds are disbursed and/or applied proportionally and simultaneously for the implementation of the Funded Activity;</p> <p>(j) Ensure that (i) in case the access to the land on which the project will be implemented and the access to natural resources thereon are restricted due to the project implementation, for any period of time, prior written consent from the affected communities is obtained and (ii) any such restrictions do not result in temporary or permanent economic displacement of communities;</p> <p>(k) Apply, in accordance with its own policies and procedures, its own fiduciary principles and standards relating to AML/CFT in the implementation of the Funded Activity; and</p> <p>(l) In case of a change of the authorized representative to sign the Request for Disbursement, provide, together with the Request for Disbursement, evidence, satisfactory to the Fund, of the authority of such person to sign the Request for Disbursement and the relevant authenticated specimen signature or such person.</p>		
<p>FAA Clause 10.03</p> <p>Pursuant to Clause 23.04 of the AMA, the Accredited Entity shall inform the Fund, in the final APR, which steps it intends to take in relation to the durable assets and/or equipment purchased with the GCF Proceeds to implement the Funded Activity.</p>	<p>FAA Clause 10.02 is noted and will be fulfilled during the final APR period.</p>	
<p>Environmental Management Act 2011</p> <p>The principal legislation governing environmental management in Zambia is the Environmental Management Act 2011 (EMA). The EMA provides for the sustainable management of natural resources and protection of the environment, and the prevention and control of pollution. Of particular relevance is section 29 of the Act which states that "A person shall not undertake any project that may have an effect on the environment without the written approval of the Agency, and except in accordance with any conditions imposed in that approval". The Act also provides for public participation in decision-making and access to environmental information. The EMA and its regulations provide the overall environmental regulatory framework for the project. Environmental Protection and Pollution Control, (Environmental Impact Assessment) Regulations 1997: The Environmental Impact Assessment Regulations (EIA Regulations) under the EMA requires that before a developer commences implementing a project, an EIS be prepared and submitted to the relevant regulatory authority for review and approval. With respect to the project, the following may be relevant: First Schedule (Regulations 3(2)) lists projects that require Project Briefs, 11n): Pumped Storage schemes is potentially relevant. Second Schedule (Regulation 7(2)) Projects which require EIA; potentially relevant to project are: 3. Dams, rivers and Water Resources a) Dams and barrages: covering a total of 25ha or more b) Exploration for, and use of, groundwater resources including production of geothermal energy: water to be extracted to be more than 2 million cumecs (m3/s) 5. Forestry Related Activities b) Reforestation and afforestation 6. Agriculture (a) Land clearance for large scale agriculture. (b) Introduction and use of agrochemical new in Zambia. (c) Introduction of new crops and animals especially exotic ones new to Zambia. (d) Irrigation schemes covering an area of 50 Ha or more. (e) Fish farms: production of 100 tonnes or more a year. (f) Aerial and ground spraying 10. Nature Conservation Areas (c) Introduction of alien species of flora and fauna to local ecosystems Fees apply for assessment of Project Briefs and EIAs and are listed in Fifth Schedule (Regulation 37)</p>	<p>The implementation of interventions that will have an effect on the environment will only commence in the second quarter of 2019.</p>	

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

Implementation of management plans and programmes

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

N/A

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

The project has begun to work towards improvement of environmental, social, economic co-benefits and gender-sensitive development impact as outlined below:

- iii. Economic benefits
 - Increased prospects of household incomes as a result of improved agriculture production and productivity through conservation farming. A reduction in risks associated with climate change and variability to the small holder farmers through the provision of timely and accurate weather and climate information.
- iv. Social safeguards and gender
 - empowerment of women to access seeds through prioritization of this vulnerable group in the participation of project interventions.

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

Implementation of the stakeholder engagement plan

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

Implementation of the grievance redress mechanism - NONE

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

4.2 GENDER ACTION PLAN

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.

Preparatory activities on ensuring gender sensitive implementation such as identifying women groups and leaders, defining the gender strategy and raising awareness. A SES officer is in the process of being recruited to ensure strong coordination on social and environmental safeguards.

In the reporting year, the activities undertaken with co-financing revolved around providing agricultural inputs (seeds). Out of the 79,000 beneficiaries that received inputs, 27,650 were women, giving a percentage of 35%, though still below Southern Africa Development Community (SADC) gender convention target of 50%.

More details will be provided in the next reporting period.

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

Activities/actions	Indicators	Baseline	Targets, including sex-disaggregated targets	Timeline	Responsibilities	Budget	Report on annual progress
Output 1: Smallholder farmers are able to plan for and manage climate risk to support resilient agricultural production							
Activity 1.1: Strengthen generation and interpretation of climate information and data collection to ensure timely and detailed weather, climate, crop and hydrological forecasts is available to support smallholder in planning and management of water resources used in resilient agricultural practices							
<p>Identification of both men and women's needs when it comes to climate information and weather/agricultural advisories</p> <p>Engagement of both men and women in the generation and analysis of climate-related data</p> <p>Development and promotion of tailored and targeted weather and agricultural advisories that are gender sensitive and take into account the needs of women and men</p>	<p>Number of women and men engaged in the generation and analysis of climate information</p> <p>Type and quality of weather and agricultural advisories produced</p>	0	62% of female population provided with access to improved climate information, weather and agricultural advisories	Year 1 to 7	ZMD in coordination with MOA and WARMA	369,000	-
Activity 1.2: Strengthen dissemination and use of tailored weather / climate-based agricultural advisories to ensure smallholder farmers receive the tailored information they need for planning and decision-making							
<p>Identify differentiated needs related to format and content of weather and agricultural advisories to target both men and women</p> <p>Define specific dissemination channels that would be best able to reach women and men.</p>	<p>Number of dissemination channels designed specifically to target women</p> <p>Number of women and men receiving weather and agricultural advisories</p> <p>Number of women and men smallholder farmers using advisories to inform their</p>			Year 1 to year 7	ZMD in coordination with MOA and WARMA	100,000	-

template

Integration of gender into trainings on interpretation and use of climate information	agricultural planning Number of women and men involved in training on interpretation and use of climate information						
Output 2: Resilient agricultural livelihoods in the face of changing rainfall, increasing drought and occasional floods							
Activity 2.1: Promote irrigation schemes, water storage and capture as well as other resilient water management strategies to increase access to water for agricultural production in the target districts within Agro-ecological Regions I and II							
Identify female smallholder farmers who are working with existing irrigation schemes and / or those who are interested in introducing water management technologies	Number of male and female smallholder farmers adopting new irrigation schemes			Year 1 to year 7	MOA and DWA	200,000	-
Integration of gender and the roles/responsibilities around access and use of water to trainings on water management approaches for water user groups and Water User Associations	Number of men and women participating in trainings on resilient water management approaches						
Define strategies to support increased water access and irrigation for both men and female stallholder farmers	Number of men and women participating in water user groups						
	Number of women in formal leadership positions of Water User Associations						
	Changing role of men and women in water access and use, including water management approaches						

Ensure the involvement of both men and women in water user groups and associations, including equal participation in leadership positions							
Activity 2.2: Increased access to agricultural inputs (e.g. seeds, soil kits) for resilient crops							
Identify differentiated needs and priorities of input types (e.g. type of crop) for men and women in target districts Increase access to seeds of drought, pest-resistant and early maturing crop varieties equally for both men and women farmers Increase adoption of diversified crops equally for both men and women farmers in target communities Engagement of both men and women equally in seed multiplication training and	Number of smallholder farmers receiving agricultural inputs, disaggregated by gender Types of seeds distributed to farmers, differentiated by gender Number of women and men involved in trainings on seed multiplication			Year 1 to year 7	MOA	8,000,000	-

implementati on							
Activity 2.3: Introduction of new agricultural practices to strengthen production and diversify crops in the context of climate variability and change							
<p>Increase adoption of diversified crops for women in target communities</p> <p>Introduce new agricultural practices for both women and men drawing on indigenous knowledge strategies from both genders</p> <p>Identification of agricultural practices that also align with the needs and priorities of both men and women</p> <p>Identify and document indigenous knowledge, practices and coping mechanisms informed by both men and women</p>	<p>Number of participants engaged in training and technical support for introduction of new agricultural practices, disaggregated by gender.</p> <p>Number of female recipients able to strengthen production and diversify amidst climate variability and change with the introduction of new agricultural practices</p> <p>Success rate of new agricultural practices introduced with regards to crop yield</p> <p>Success rate of new agricultural practices introduced with regards to time saved for other activities</p>	0	90% of female recipients are able to strengthen production and diversify amidst climate variability and change with the introduction of new agricultural practices	Year 1 to Year 7	MOA	3,000,000	-
Activity 2.4: Introduce alternative livelihoods to strengthen resilience of target communities							
Community dialogue / conversation and	Number of participants engaged in training and	0	378,461 women benefit from the adoption	Year 1 to Year 7	MOA	4,000,000	-

engagement to identify livelihood options that fit the needs of both men and women	adoption of new alternative livelihoods, disaggregated by gender		of diversified , climate-resilient livelihood options				
Identification of female community members who are interested in becoming champions and leaders for adopting alternative livelihoods members who are working within existing systems and whom are introduced to alternative livelihoods	Number of women in leadership positions in newly established cooperatives or farmer groups for alternative livelihoods						
Engagement of both men and women in training and technical support for introducing alternative livelihoods							
Activity 2.5: Establish farmer field schools and learning centers of excellence to further document and scale up successful practices taking into account gender differing needs							
Take into account gender differentiated needs for knowledge exchange and learning to inform the approach and curriculum of the schools and learning centers	Number of female participants consulted and engaged in the development of farmer field schools and learning centers of excellence (influencing their power of autonomy, exposing them to decision-	0	83,000 female recipients are able to strengthen production and diversify amidst climate variability and change	Year 1 to Year 7	FAO	100,000	-

Community dialogue / conversation and engagement with women and men to determine local context specific and appropriate training methods for farmer field schools and learning centers of excellence	making and leadership opportunities and generating ownership)		with the Introduction of new agricultural practices				
Identification of local context specific female appropriate training methods, identifying their specific needs, priorities and goals, including existing roles and responsibilities (e.g. timing of trainings)	Number of farmers engaged in training programmes, disaggregated by gender						
Integration of gender into the content of training and curriculum of schools and centers	Number of female participants completing training programmes (retention rates)						
Development and promotion of tailored and targeted gender sensitive training manuals /	Number of women trainers or in other leadership positions						
	Number of female recipients able to strengthen production and diversify amidst climate variability and change with the Introduction of new agricultural practices						

guidelines / workshops							
Output 3: Increasing farmers' access to markets and commercialization of resilient agricultural products							
Activity 3.1 Strengthen processing of resilient products							
<p>Identification of processing methods and strategies which align with the roles/responsibilities of both men and women</p> <p>Engage women in training on processing resilient crops, supported by targeted measures to strengthen their leadership in this process</p>	<p>Number of women and men engaged and supported in processing of resilient crops</p> <p>Number of women in leadership positions around processing approaches (e.g. responsibility for maintenance funds, organized cooperatives, training of trainers)</p>			Year 1 to year 7	MOA	200,000	-
Activity 3.2 Strengthen storage, aggregation and transportation of resilient products to enhance commercialization and linkages to market and SMEs							
<p>Engage women in all trainings and provide opportunities for them within the storage, aggregation and transportation networks.</p> <p>Identify approaches that take into account the differing roles and responsibilities of both men and women.</p>	<p>Number of women and men engaged in the new storage, aggregation and transportation networks</p> <p>Number of female small-holder farmers with Improved access to markets</p> <p>Number of women supported in the development of rural enterprises, business training and</p>			Year 1 to year 7	WFP	100,000	-

Identify female community members who are working within existing market systems and those who are interested in joining this form of employment	capac-ity/skills building Number of women en-gaged in leadership and decision-making train-ing Number of women in leadership and decision-making roles						
Promotion of market-orientated and gender sensitive training							
Incorporate gender sensitive training on business skills, leadership and decision-making							
Addition of gender training into the rollout or curriculum of any agricultural, climate change adaption, business, leadership and entrepreneur training							
Activity 3.3 Increase access to finance and insurance products for smallholder farmers by engaging with potential financing sources including public, private, bilateral and multi-lateral sources.							
Identify specific barriers to access to finance for both men	Number of women par-ticipants en-gaged in training on fi-			Year 1 to year 6	WFP	100,000	-

and women, and facilitate dialogue with finance providers	nance, insurance and business						
Ensure all training on finance and business capacity is equally delivered to both men and women	Number of women and men adopting new financial or insurance products						
Integrate gender issues into all training on business skills, leadership and decision-making							
Building and tailoring an asset base for female-headed households and poor women, in addition to improving access to service providers, including micro-credit and insurance providers							
Activity 3.4 Identify available markets and promote climate-resilient products for women							
Engagement of both men and women in campaigns around nutrition and alternative crops	Number of farmers engaged in providing crops to national home-grown school feeding programme (disaggregated by gender)	0	80% of resilient commodities produced by target female farmers are sold on the markets	Year 1 to Year 7	WFP	100,000	-
Ensure procurement of indigenous foods is from	Number of women and						

<p>both male and female smallholder farmers equally</p> <p>Ensure links with private sector actors on resilient crops target both male and female stallholder farmers</p> <p>Identify strategies to target both men and women in nutrition education</p> <p>Identify strategies to target both girls and boys in school garden activities and raising awareness on resilient crops</p>	<p>men targeted for nutrition education, disaggregated by gender</p> <p>Number of school children engaged in establishing school gardens -, disaggregated by gender</p> <p>Number of private sector partnerships between private sector and smallholder farmers, disaggregated by gender</p>						
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4.3 PLANNED ACTIVITIES ON ENVIRONMENTAL AND SOCIAL SAFEGUARDS

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.

The following activities have been planned for 2019 to adhere to the project's ESMF:

- Orientation of beneficiaries and stakeholders on the environmental and social safeguards management during the Inception Workshop, and through implementation of the Stakeholder Engagement Plan and ESMF?
- Regular screening and monitoring of the Environmental and Social Management Framework and the risks associated to it will be done throughout the project period. Based on this assessment the ESMF and the risks will be updated. Updating
- Groundwater pump tests and laboratory testing (broad suite)
- Water Quality Monitoring (monitoring to be undertaken)
- Sediment Sample Field Testing
- Erosion, Drainage and Sediment Control Plan
- Before any construction, as per FAA, a site specific ESMP will be prepared.

4.4 PLANNED ACTIVITIES ON GENDER ELEMENTS

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.

Activities planned for 2019 include:

- Identification of female community members who are engaged in existing systems of climate information
- Identification of female community members who are interested in engaging in strengthening interpretation of climate information
- Identify female community members who are working with existing irrigation schemes and / or those who are interested in introducing water
- Improvement of female smallholder farmers access already to existing irrigation schemes or commence with new water management practices
- Increase access to seeds of drought, pest- resistant and early maturing crop varieties for women farmers
- Identify and document indigenous knowledge, practices and coping mechanisms
- Community dialogue / conversation and engagement
- Identification of female community members who are working within existing systems and whom are introduced to alternative livelihoods
- Identification of female community members who are not working within existing systems, however are introduced to alternative livelihoods Community
- Determination of provincial, district and local plans to incorporate climate risks and opportunities
- Identification of female community members who are interested in training.

SECTION 5: ANNEXES

Annex 1. [Updated implementation timetable for the Funded Activity.](#)

Annex 2. Accredited Entity compliance reports (self-assessment reports¹⁵, report on actions pursuant to Clause 18.02, if applicable¹⁶).

SECTION 6: ATTACHMENTS

Attachment 1. Unaudited/Audited financial statements (as required by FAA). N/A

(If available. If not submitted, indicate date of submission.)

Attachment 2. Interim/Final evaluation report (as required by FAA). N/A

(If available. If not submitted, indicate date of submission.)

Other Attachments (if any). Such as additional budget-related information, loan repayment schedules to GCF (interest/principal), equity investment schedules, other related reports relevant to the Funded Activity, statements of capital account, valuation reports, credit guarantee agreements, investor reports, and others, as specified in the relevant legal agreements (e.g. Funded Activity Agreement, Shareholders Agreement)

¹⁵ In accordance with the Monitoring and Accountability Framework, a self-assessment of its compliance, in accordance with Clause 13.01 of the Accreditation Master Agreement, with the Fiduciary Principles and Standards, ESS and Gender Policy.

¹⁶ 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.