



PASIDP\_II  
MONITORING AND EVALUATION SYSTEM

## **Preamble**

In monitoring and evaluation planning, one of the things that managers have to work out are a set of indicators that will be used to measure outputs against program goals. Understandably, questions often arise regarding what indicators are, their importance and what to consider when choosing them.

An indicator is a variable that is normally used as a benchmark for measuring program or project outputs. It shows that an undertaking has had the desired impact. It is on the basis of indicators that evidence can be built on the impact of any undertaking. Most often, indicators are quantitative in nature, however, in some few cases, they are qualitative. Most often indicators are confused with other project elements such as objectives or targets. Indeed, understandably so. Unlike targets or results which specify the level of achievement, indicators do not. For example, in a project on access to safe water, statements such as “*an increase in the proportion of households reporting the consistent use of chlorinated drinking water*” or “*70% of households reporting the consistent use of chlorinated drinking water*” are not indicators. Rather, an indicator could be “*The proportion of households reporting the consistent use of chlorinated drinking water.*”

## **Importance of Indicators**

Indicators are an important for any project, particularly for monitoring and evaluation purposes. Some of the benefits of indicators are highlighted below.

- I. At the initial phase of a project, indicators are important for the purposes of defining how the intervention will be measured. Through the indicators, managers are able to pre-determine how effectiveness will be evaluated in a precise and clear manner.
- II. During project implementation, indicators serve the purpose of aiding program managers assess project progress and highlight areas for possible improvement. In this case, when the indicators are measured against project goals, managers can be able to measure progress towards goals and inform the need for corrective measures against potential catastrophes.
- III. At the evaluation phase, indicators provide the basis for which the evaluators will assess the project impact. Without the indicators, evaluation becomes an audacious responsibility.

## **Types of indicators**

The three widely acknowledged types of indicators are process indicators, outcome indicators and impact indicators.

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- a) **Process indicators:** are those indicators that are used to measure project processes or activities. For example, in a Safe Water project, this could be “the number of chlorine dispensers installed at water points” or “the number of households that have received training on chlorination of water.”
- b) **Outcome Indicators:** Are indicators that measure project outcomes. Outcomes are medium impacts of a project. For example, in the case of a Safe Water project, outcome indicators could be “the proportion of households using chlorinated drinking water” or “the percentage of children suffering from diarrhea.”
- c) **Impact Indicators:** Are indicators that measure the long term impacts of a project, also known as the project impact. In the case of the Safe Water project, it could be, “the prevalence of under 5 mortality.”

### Factors to consider when selecting project indicators

Any appropriate M&E indicator must meet particular thresholds. They must be:

- 1) **Precise/Well defined:** Probably the most important characteristic of indicators is that they should be precise or well defined. In other words, indicators must not be ambiguous. Otherwise, different interpretations of indicators by different people implies different results for each
- 2) **Reliable:** Reliability here implies that the indicator yields the same results on repeated trials/ attempts when used to measure outcomes. If an indicator doesn't yield consistent results, then it is not a good indicator.
- 3) **Valid:** Validity here implies that the indicator actually measures what it intends to measure. For example, if you intend to measure impact of a project on access to safe drinking water, it must measure exactly that and nothing else.
- 4) **Measurable:** Needless to say that an indicator must be measurable. If an indicator cannot be measured, then it should and must not be used as an indicator.
- 5) **Practicable:** In other cases, although an indicator can be measured, it is impracticable to do so due to the cost or process constraints. An indicator must be able to utilize locally available resources while at the same time being cost effective.

Based on this thoughts the program has developed detail monitoring and evaluation indicators, source of data, frequency for data collection, responsibility, data collection tools and others as follow.

## A. Programme higher level Outcomes and Indicators

Higher Level Outcome	Outcome Indicators	Unit	Appraisal Target	Source of Data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
1. <b>Goal:-</b> Increased prosperity and improved resilience to shocks in food insecure areas of Ethiopia	1.1. Number of HH participating in the Programme graduated above the poverty line 3/4 years after schemes are operational	Number of HH		Baseline and completion report	Y1 and Y7	M&E	Yes	No	survey	Consultant
	1.2. Percentage increase in value of assets of participating households	Percentage		Baseline and completion report	Y1 and Y7	M&E	Yes	No	survey	Consultant
	1.3. Percentage of reduction in prevalence of child malnutrition (stunting high for age)	Percentage		Baseline and completion report	Y1 and Y7	M&E	Yes	No	survey	Consultant
	1.4. Poor smallholder household members supported in coping with the effects of climate change	HH members	480000	Progress report	Quarterly	ESS and Capacity building	Yes	No	Questionnaire	DAs and Woreda focal
	1.5. Percentage of HH reporting improved resilience to climate shocks	Percentage	50%	Outcome survey	Annually	M&E	No	No	Questionnaire	DAs and Woreda focal
2. <b>Development Objective:-</b> Improved income and food security	2.1. Percentage Increase in household income from project support	Percentage	100%	Outcome survey	Y3 and Y7	M&E	Yes	No	Questionnaire	DAs and Woreda focal
	2.2. Percentage of children age 6-23 month with	Percentage	50%	Outcome survey	Y3 and Y7	M&E	No	No	survey	Consultant

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Higher Level Outcome	Outcome Indicators	Unit	Appraisal Target	Source of Data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
for rural households on a sustainable basis	minimum dietary diversity score									
	2.3. Percentage of women age 15-49 years with minimum dietary diversity score	Percentage	50%	Outcome survey	Y3 and Y7	M&E	No	No	survey	Consultant
	2.4. Percentage of HH having at least three meals a day	Percentage	80%	Outcome survey	Annually	M&E	No	No	Questionnaire	DAs and Woreda focal
	2.5. Percentage of farmers reporting on net profit at least 10% from crop production	Percentage	82%	Outcome survey	Annually	M&E	No	No	Questionnaire	DAs and Woreda focal
	2.6. Number of rural youth benefited from created jobs	Full time equivalent	15000	Outcome survey and others	Annually	M&E	No	No	Questionnaire	DAs and Woreda focal

**B. Programme Outcomes and Indicators**

Outcomes	Indicators	Unit	Appraisal target	Source of data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
1. Farmers have sustainable access to irrigation schemes	1.1. Number of HHs that have access to irrigation schemes	HHs	46250	List of beneficiary	Quarterly	Engineers	Yes	No	List of beneficiary	DA
		MHHs	37000							
		FHHS	9250							
		Youth	9250							
		Male youth	4625							
		Female youth	4625							
		Non youth (Adult)	37000							
	1.2. Number of HHs reporting reduced water shortage vis-à-vis production needs	HHs	80000	Outcome survey	Annually	M&E federal and regional	Yes	1.2.3	Questionnaire	Woreda focal person and DA
		Male headed	64000							
		Female headed	16000							
	1.3. Number of HHs reporting improved access to land, forests, water or water bodies for production purposes	HHs	80000	Outcome survey	Annually	M&E federal and regional	No	1.2.1	Questionnaire	Woreda focal person and DA
		Male headed	64000							
		Female headed	16000							
		Youth	16000							
		Male youth	8000							
Female youth		8000								
Non youth(Adult)		64000								
1.4. Number of IWUAs covering O&M costs	IWUAs	150	IWUAs report	Annually	M&E and ESS expert	No	NO	IWUAs form	Woreda focal person and DA	
1.5. New or existing rural infrastructure protected from climate events (US\$' 000/Km)	USD	80000	survey report	Py4&7	ESS expert, watershed and M&E	Yes	No	Survey	consultant	

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Outcomes	Indicators	Unit	Appraisal target	Source of data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
	1.6. Number of IWUAs reporting about benefiting from having legal certification	IWUAs	150	Focus group discussions	Annually	ESS expert and M&E	NO	NO	FDG guideline	M&E
2. Farmers have increased market-oriented skills and capacity for sustainable agriculture.	2.1. Number of producer cooperatives having contract with buyers	Coops	100	Coop reports	annually	Agribusiness experts	No	NO	Coop forms	Woreda focal person and DA
	2.2. Number of farmer selling through cooperatives	Farmers	46250	Coop reports	Annually	Agribusiness experts	No	NO	Coop forms	Woreda focal person and DA
	2.3. The percentage of farmers output sold through coops	Percentage	20%	Outcome survey	Annually	M&E and Agribusiness	No	NO	Questionnaires	Woreda focal person and DA
	2.4. Value of farm outputs sold through the cooperatives	USD		Coop reports	Annually	Agribusiness experts	No	NO	Coop forms	Woreda focal person and DA
	2.5. Percentage of farmers receiving inputs from cooperatives	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.6. Percentage of inputs requested by farmers supplied by cooperatives	Percentage	70%	Coop reports	Annually	Agribusiness experts	No	NO	Coop forms	Woreda focal person and DA
	2.7. Percentage of farmers satisfied with services delivered by primary cooperatives	Percentage	70%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.8. Percentage of reduction on postharvest losses	Percentage	10%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.9. Number of farmers utilizing farm gate storage facilities	Farmers	15000	IWUAs report	Annually	M&E	No	NO	Farm gate facility form	Woreda focal person and DA
	2.10. The volume of product stored in the	Percentage	20%	IWUAs report	Annually	M&E	No	NO	Farm gate facility form	Woreda focal person and DA



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Outcomes	Indicators	Unit	Appraisal target	Source of data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
	farm gate storage facilities									
	2.11. Number of value chains fully operating by MAA	Commodity value chain	5	FGD	Annually	M&E	No	NO	Focus group guideline	M&E
	2.12. Percentage of farmers satisfied from MAA services	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.13. Percentage of households reporting using rural financial services	Percentage	60%	Outcome survey	Annually	M&E	No	1.2.5	Questionnaires	Woreda focal person and DA
	2.14. Number of households reporting an increase in production	HHs	46250	Outcome survey	Annually	M&E and Agronomist	Yes	1.2.4	Questionnaires	Woreda focal person and DA
	2.15. Vegetables MT/ha - Area (ha)	Percentage	100%	Outcome survey	Annually	M&E and Agronomist	Yes	1.2.4	Questionnaires	Woreda focal person and DA
	2.16. Pulses MT/ha - Area (ha)	Percentage	40%	Outcome survey	Annually	M&E and Agronomist	Yes	1.2.4	Questionnaires	Woreda focal person and DA
	2.17. Cereals MT/ha - Area (ha)	Percentage	90%	Outcome survey	Annually	M&E and Agronomist	Yes	1.2.4	Questionnaires	Woreda focal person and DA
	2.18. Percentage of households reporting adoption of new/improved inputs, technologies or practices	Percentage	80%	Outcome survey	Annually	M&E	No	1.2.2	Questionnaires	Woreda focal person and DA
	2.19. Percentage of farmers practiced high value crops	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.20. percentage of farmers benefited from nurseries	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA



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Outcomes	Indicators	Unit	Appraisal target	Source of data	Frequency	Responsibility	Logframe	ORMS	Data collection tools	Who collects data
	2.21. Average measure of soil erosion in watershed areas	m3		LDSF	Y4&Y7	Watershed and ESS	No	NO	LDSF	ICRAF
	2.22. Average measure of land degradation in watershed areas			LDSF	Y4&Y7	Watershed and ESS	No	NO	LDSF	ICRAF
	2.23. Percentage of youth and women who have practiced IGAs in watershed areas	Percentage	40%	Outcome survey	Annually	M&E	No	NO	IGA beneficiary form	Woreda focal person and DA
	2.24. Percentage of farmers adopting climate change adaptation technologies and practices in watershed areas	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA
	2.25. Percentage of FHHs who use small scale alternative sources of energy in watershed areas	Percentage	80%	Outcome survey	Annually	M&E	No	NO	Energy saving form	Woreda focal person and DA
	2.26. Percentage of farmers practicing CA	Percentage	50%	Outcome survey	Annually	M&E	No	NO	Questionnaires	Woreda focal person and DA

**C. Programme Outputs and Indicators**

<b>Output</b>	<b>Indicators</b>	<b>Unit</b>	<b>Appraisal Target</b>	<b>Source of data</b>	<b>Frequency</b>	<b>Responsibility</b>	<b>Logframe</b>	<b>ORMS</b>
1.1. Selection of irrigation schemes for investment	1.1.1. # of feasibility studies approved	Studies	210	Feasibility study documents	Quarterly	Program engineers	Yes	No
	1.1.2. Area under feasibility studies	ha	22,000	Feasibility study documents	Quarterly	Program engineers	Yes	No
	1.1.3. Number of beneficiaries	Number	55,298	Feasibility study documents	Quarterly	Program engineers	No	No
	1.1.4. Number of baseline studies conducted	Studies	1	Baseline study document	once	M&E	No	No
	1.1.5. Number of community members sensitized	Session	150	Workshop report	Quarterly	ESS experts, and Engineers	No	No
	1.1.6. Number of community members sensitized	Participants	32375	Workshop report	Quarterly	ESS experts, and Engineers	No	No
		Male	25900	Workshop report	Quarterly	ESS experts, and Engineers	No	No
		Female	6475	Workshop report	Quarterly	ESS experts, and Engineers	No	No
	1.1.7. Number of IWUAs established	No IWUAs	210	Feasibility study documents	Quarterly	Program engineers and ESS experts	Yes	No
	1.1.8. Number of IWUA members	No IWUAs	150	progress report	Quarterly	ESS experts	No	NO
		Total	46250	progress report	Quarterly	ESS experts	No	NO
		Male	27750	progress report	Quarterly	ESS experts	No	NO
		Female	18500	progress report	Quarterly	ESS experts	No	NO
		Youth	9250	progress report	Quarterly	ESS experts	No	NO
		Male	4625	progress report	Quarterly	ESS experts	No	NO
		Female	4625	progress report	Quarterly	ESS experts	No	NO
		Non youth	37000	progress report	Quarterly	ESS experts	No	NO
	1.1.9. Number of IWUAs executive committee members	Total	1050	progress report	Quarterly	ESS experts	No	NO
		Male	735	progress report	Quarterly	ESS experts	No	NO
Female		315	progress report	Quarterly	ESS experts	No	NO	
Youth		210	progress report	Quarterly	ESS experts	No	NO	
Male		105	progress report	Quarterly	ESS experts	No	NO	
Female		105	progress report	Quarterly	ESS experts	No	NO	
Non youth		840	progress report	Quarterly	ESS experts	No	NO	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	1.1.10. Number of IWUAs committee members trained	Total	1950	Training report	Quarterly	ESS experts	No	NO
		Male	1365	Training report	Quarterly	ESS experts	No	NO
		Female	585	Training report	Quarterly	ESS experts	No	NO
		Youth	390	Training report	Quarterly	ESS experts	No	NO
		Male	195	Training report	Quarterly	ESS experts	No	NO
		Female	195	Training report	Quarterly	ESS experts	No	NO
		Non youth	1560	Training report	Quarterly	ESS experts	No	No
	1.1.11. Number of quality assurance conducted for schemes	No of schemes	150	Quality assurance report	Quarterly	Regional and federal technical staff	No	No
	1.1.12. Number of ESIA documents reviewed	No of documents	150	ESIA document	Quarterly	Regional and federal technical staff	No	No
	1.1.13. Number of studies on scheme based climate analysis scenario and alternative adaptation options	No of studies	4	Study report	two times in the program life time	Agronomist, ESS and watershed experts,	No	No
	1.1.14. Number of trainings on ESMF, ESIA, EMP, RAP and climate risk analysis for zone and Woreda experts	Sessions	16	Training report	Quarterly	ESS Experts	No	No
	1.1.15. Number of zone and Woreda experts trained on ESMF, ESIA, EMP, RAP and climate risk analysis	Experts	370	Training report	Quarterly	ESS Experts	No	No
1.1.16. Number of workshops conducted at federal level (public consultation, FPIC, RAP...etc.)	Sessions	5	Workshop report	Quarterly	ESS Experts	No	No	
1.1.17. Number of workshops conducted at federal level (public consultation, FPIC, RAP...etc.)	Participants	63	Workshop report	Quarterly	ESS Experts	No	No	
1.1.18. Number of workshops conducted at regional level (public consultation, FPIC, RAP...etc.)	Sessions	20	Workshop report	Quarterly	ESS Experts	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	1.1.19. Number of workshops conducted at regional level (public consultation, FPIC, RAP...etc.)	Participants	442	Workshop report	Quarterly	ESS Experts	No	No
	1.1.20. Number of TOT on SECAP for PCMU staff and implementing partners	Sessions	2	Progress report	Quarterly	ESS Experts	No	No
	1.1.21. Number of staff strained on SECAP	Staff	25	Progress report	Quarterly	ESS Experts	No	No
	1.1.22. Number of trainings for implementing partners on SECAP(regional)	Sessions	2	Progress report	Quarterly	ESS Experts	No	No
	1.1.23. Number of implementing partners staff trained on SECAP	Staff	402	Progress report	Quarterly	ESS Experts	No	No
	1.1.24. Number of schemes that the ESMF procedures are fully followed	scheme	150	Progress report	Quarterly	ESS Experts	No	No
	1.1.25. Number of schemes IPM is implemented	scheme	150	Progress report	Quarterly	ESS Experts	No	No
	1.1.26. Number of schemes environmental flow is maintained at all times during operation	scheme	150	Progress report	Quarterly	ESS Experts	No	No
	1.1.27. Number of schemes FPIC is conducted during scheme selection	scheme	150	Progress report	Quarterly	ESS Experts	No	No
	1.1.28. No. of grievances registered and resolved in schemes	grievance	300	Progress report	Quarterly	ESS Experts	No	No
1.2. Irrigation schemes developed or upgraded	1.2.1. Hectares of farmland under water-related infrastructure constructed/rehabilitated	ha	18400	Handover report	Quarterly	Program engineers	Yes	1.1.2
	1.2.2. Number of schemes constructed	Schemes	150	Handover report	Quarterly	Program engineers	No	No
	1.2.3. value of beneficiaries contribution for the construction of schemes	USD	4,713,460	Financial report	Quarterly	Regional and federal accountants	No	No

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	1.2.4.Number of irrigation engineers trained on programme implementation	No	84	Training report	Quarterly	capacity building experts	No	No
	1.2.5.Number of irrigation engineers trained on GIS	No	110	Training report	Quarterly	capacity building experts	No	No
	1.2.6.Number of group ponds constructed	Pond	180	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.7.Area under group ponds constructed	ha	231.3	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.8.Number of HH benefited	Total	1080	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Male headed	864	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Female headed	216	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.9.Number of group shallow well-constructed	Shallow well	300	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.10. Area under group shallow well-constructed	ha	600	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.11. Number of HH benefited	Total	2400	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Male headed	1920	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Female headed	480	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.12. Number of HH ponds constructed	Pond	400	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.13. Area under HH ponds constructed	ha	160	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.14. Number of women benefiting from HH ponds	Women	400	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.15. No of Low lift pump provided	Pump	300	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.16. Area under low lift pump	ha	1500	Handover report	Quarterly	Program engineers & watershed experts	No	R

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	1.2.17. Number of HH benefiting from low lifting pump	FHH	6000	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.18. Number of Drip irrigation and sprinkler distributed	Set	800	Handover report	Quarterly	Program engineers & watershed experts	No	No
	1.2.19. Number women/youth benefiting from drip irrigation and sprinkler	Total	800	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Women	640	Handover report	Quarterly	Program engineers & watershed experts	No	No
		Youth	160	Handover report	Quarterly	Program engineers & watershed experts	No	No
2.1. Improved access to appropriate inputs, access to agricultural and financial services for smallholder producers	2.1.1. Program engineers & watershed experts	Organizations	150	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
	2.1.2. Number of members of rural producers supported	Total	46250	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Male	37000	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Female	9250	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Youth	9250	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Male youth	4625	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Female youth	4625	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
		Non youth	37000	progress report	Quarterly	Agribusiness experts	Yes	2.1.3
	2.1.3. Number of rural producers' organizations supported with women in leadership position	Organizations	150	progress report	Quarterly	Agribusiness experts	No	No
	2.1.4. Number of coop leaders trained	Total	2100	Training report	Quarterly	Agribusiness experts	No	No
		Male	1680	Training report	Quarterly	Agribusiness experts	No	No
		Female	420	Training report	Quarterly	Agribusiness experts	No	No
		Youth	420	Training report	Quarterly	Agribusiness experts	No	No
		Male youth	210	Training report	Quarterly	Agribusiness experts	No	No
		Female youth	210	Training report	Quarterly	Agribusiness experts	No	No
Non youth		1680	Training report	Quarterly	Agribusiness experts	No	No	
2.1.5. Number of coop members trained on FAB ( farm is a business)	Total	19500	Training report	Quarterly	Agribusiness experts	No	No	
	Male	15600	Training report	Quarterly	Agribusiness experts	No	No	
	Female	3900	Training report	Quarterly	Agribusiness experts	No	No	
	Youth	3900	Training report	Quarterly	Agribusiness experts	No	No	
	Male youth	1950	Training report	Quarterly	Agribusiness experts	No	No	
	Female youth	1950	Training report	Quarterly	Agribusiness experts	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.1.6. Number of learning visit for producer groups/irrigation coops	Non youth	15600	Training report	Quarterly	Agribusiness experts	No	No
		Visit	27	visit report	Quarterly	capacity building experts	No	No
		Region	24	visit report	Quarterly	capacity building experts	No	No
		federal	3	visit report	Quarterly	capacity building experts	No	No
	2.1.7. Number of learning visit participants	Total	1080	visit report	Quarterly	capacity building experts	No	No
		Male	864	visit report	Quarterly	capacity building experts	No	No
		Female	216	visit report	Quarterly	capacity building experts	No	No
		Youth	216	visit report	Quarterly	capacity building experts	No	No
		Male youth	108	visit report	Quarterly	capacity building experts	No	No
		Female youth	108	visit report	Quarterly	capacity building experts	No	No
		Non youth	864	visit report	Quarterly	capacity building experts	No	No
	2.1.8. Number of forums conducted on access to input sources for farmers cooperative	Forum	15	Forum report	Quarterly	capacity building experts	No	No
		Region	12	Forum report	Quarterly	capacity building experts	No	No
		Federal	3	Forum report	Quarterly	capacity building experts	No	No
	2.1.9. Number of forum participants	Total	1800	Forum report	Quarterly	capacity building experts	No	No
		Male	1440	Forum report	Quarterly	capacity building experts	No	No
		Female	360	Forum report	Quarterly	capacity building experts	No	No
		Youth	360	Forum report	Quarterly	capacity building experts	No	No
		Male youth	180	Forum report	Quarterly	capacity building experts	No	No
		Female youth	180	Forum report	Quarterly	capacity building experts	No	No
		Non youth	1440	Forum report	Quarterly	capacity building experts	No	No
	2.1.10. Number of persons in rural areas trained in financial literacy and/or use of financial products and services	Total-Number	19500	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.7
		Males - Number	11700	Training report	Quarterly	capacity building experts and agribusiness	Yes	
		Females-Number	7800	Training report	Quarterly	capacity building experts and agribusiness	Yes	
		Young Number - Total	3900	Training report	Quarterly	capacity building experts and agribusiness	Yes	
		Young male - Number	1950	Training report	Quarterly	capacity building experts and agribusiness	Yes	
		Young female - Number	1950	Training report	Quarterly	capacity building experts and agribusiness	Yes	



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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Non-young Number - Total	15600	Training report	Quarterly	capacity building experts and agribusiness	Yes	
	2.1.11. Number of rural producers accessing production inputs and/or technological packages	Total-Number	13500	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Females	5400	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Males	8100	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Young Total	2700	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Young male	1350	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Young female	1350	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		Non-Young	10800	Training report	Quarterly	capacity building experts and agribusiness	Yes	1.1.3
		2.1.12. Number of marketing chain studies conducted	Studies	4	Study report	Quarterly	Agribusiness experts	No
	2.1.13. No of trainers trained on marketing chain development	Trainers	60	Training report	Quarterly	Agribusiness experts and capacity building	No	No
	2.1.14. No of MAAs established and strengthened	MAAs	114	progress report	Quarterly	Agribusiness	No	No
	2.1.15. No of MAAs members trained	Total	798	Training report	Quarterly	capacity building experts	No	No
		Male	638	Training report	Quarterly	capacity building experts	No	No
		Female	160	Training report	Quarterly	capacity building experts	No	No
		Youth	160	Training report	Quarterly	capacity building experts	No	No
		Male youth	80	Training report	Quarterly	capacity building experts	No	No
		Female youth	80	Training report	Quarterly	capacity building experts	No	No
		Non youth	638	Training report	Quarterly	capacity building experts	No	No
	2.1.16. No of Woreda experts trained on market chain development	Experts	360	Training report	Quarterly	capacity building experts	No	No
	2.1.17. Number of persons trained in income-generating activities or business management	Participants	15,000	Training report	Quarterly	capacity building experts	Yes	2.1.2
		Male	9000	Training report	Quarterly	capacity building experts	Yes	2.1.2
		Female	6000	Training report	Quarterly	capacity building experts	Yes	2.1.2

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Young	3000	Training report	Quarterly	capacity building experts	Yes	2.1.2
		Young male	1500	Training report	Quarterly	capacity building experts	Yes	2.1.2
		Young female	1500	Training report	Quarterly	capacity building experts	Yes	2.1.2
		Non-young	12000	Training report	Quarterly	capacity building experts	Yes	2.1.2
	2.1.18. No of PPD on output market conducted	PPDs	60	PPD reports	Quarterly	capacity building	No	No
		Federal	12	PPD reports	Quarterly	capacity building	No	No
		Region	48	PPD reports	Quarterly	capacity building	No	No
	2.1.19. No of participants in PPD on output market conducted	Person	6000	PPD reports	Quarterly	capacity building	No	No
		Male	4800	PPD reports	Quarterly	capacity building	No	No
		Female	1200	PPD reports	Quarterly	capacity building	No	No
		Youth	1200	PPD reports	Quarterly	capacity building	No	No
		Male youth	600	PPD reports	Quarterly	capacity building	No	No
		Female youth	600	PPD reports	Quarterly	capacity building	No	No
		Non youth	4800	PPD reports	Quarterly	capacity building	No	No
	2.1.20. No of learning visits conducted for experts	Visit	12	Visit report	Quarterly	Capacity building expert	No	No
	2.1.21. No of participants on learning visits	Marketing experts	456	Visit report	Quarterly	Capacity building expert	No	No
	2.1.22. No of business plans prepared for schemes	Plans	150	Progress report	Quarterly	Agribusiness expert	No	No
	2.1.23. No of assessments conducted on lending institutions requirements	Assessments	4	Assessment report	Quarterly	Agribusiness expert	No	No
	2.1.24. No of workshops conducted on financial linkages	Workshop	244	Workshop report	Quarterly	Agribusiness expert	No	No
	2.1.25. No of participants on financial linkages workshop	Participants	1618	Workshop report	Quarterly	Agribusiness expert	No	No
Male		1294	Workshop report	Quarterly	Agribusiness expert	No	No	
Female		324	Workshop report	Quarterly	Agribusiness expert	No	No	
2.1.26. Number of farm gate storage facilities constructed	Storage facilities	150	progress report	Quarterly	Agribusiness expert	No	No	
2.1.27. Number of orientation meetings for agriculture producers/coop experts at Woreda and kebele level	Meetings	150	meeting report	Quarterly	capacity building expert	No	No	
	Participants	600	Meeting report	Quarterly	capacity building expert	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.1.28. No of participants in orientation meetings	Male	480	Meeting report	Quarterly	capacity building expert	No	No
		Female	120	Meeting report	Quarterly	capacity building expert	No	No
2.2. Improved productivity in intervention areas	2.2.1. Number of programme facilitators trained at kebele level	Facilitators	450	Training report	Quarterly	capacity building expert	No	No
		Male	360	Training report	Quarterly	capacity building expert	No	No
		Female	90	Training report	Quarterly	capacity building expert	No	No
	2.2.2. Number of orientation meetings for Woreda focal person	Session	24	Meeting report	Quarterly	capacity building expert	No	No
	2.2.3. Number of participants in orientation meetings for Woreda focal person	Participants	110	Meeting report	Quarterly	capacity building expert	No	No
		Male	88	Meeting report	Quarterly	capacity building expert	No	No
		Female	22	Meeting report	Quarterly	capacity building expert	No	No
	2.2.4. Number of orientation meetings for subject matter experts at Woreda watershed management team	Session	110	Meeting report	Quarterly	capacity building expert	No	No
	2.2.5. No of participants in orientation meetings or subject matter experts at Woreda watershed management team	Participants	1540	Meeting report	Quarterly	capacity building expert	No	No
		Male	1232	Meeting report	Quarterly	capacity building expert	No	No
		Female	308	Meeting report	Quarterly	capacity building expert	No	No
	2.2.6. Number of TOT Session for PCMU and partners on irrigation agronomy	Sessions	2	Training report	Quarterly	capacity building expert	No	No
	2.2.7. Number of trainers from PCMU and partners trained on irrigation agronomy	Trainers	30	Training report	Quarterly	capacity building expert	No	No
	2.2.8. Number of trainings Sessions for zonal and Woreda BOA experts on irrigation agronomy	Sessions	24	Training report	Quarterly	capacity building expert	No	No
2.2.9. Number of zonal and Woreda BOA experts trained on irrigation agronomy	Experts	362	Training report	Quarterly	capacity building expert	No	No	
2.2.10. Number of agriculture development plans prepared	ADP	192	ADP document	Quarterly	agronomist	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.2.11. Number of farmer research groups established	FRG	534	progress report	Quarterly	agronomist and watershed specialist	No	No
	2.2.12. Number of farmer research group members trained	Members	10680	progress report	Quarterly	agronomist and watershed specialist	No	No
		Male	8544	progress report	Quarterly	agronomist and watershed specialist	No	No
		Female	2136	progress report	Quarterly	agronomist and watershed specialist	No	No
		Youth	2136	progress report	Quarterly	agronomist and watershed specialist	No	No
		Male	1068	progress report	Quarterly	agronomist and watershed specialist	No	No
		Female	1068	progress report	Quarterly	agronomist and watershed specialist	No	No
		Non youth	8544	progress report	Quarterly	agronomist and watershed specialist	No	No
		2.2.13. Number of extension groups trained on irrigation agronomy	Extension groups	192	Training report	Quarterly	capacity building expert	No
	2.2.14. Number of members of extension groups trained	Members of EGs	3840	Training report	Quarterly	capacity building expert	No	No
		Male	3072	Training report	Quarterly	capacity building expert	No	No
		Female	768	Training report	Quarterly	capacity building expert	No	No
		Youth	768	Training report	Quarterly	capacity building expert	No	No
		Male	384	Training report	Quarterly	capacity building expert	No	No
		Female	384	Training report	Quarterly	capacity building expert	No	No
		Non youth	3072	Training report	Quarterly	capacity building expert	No	No
	2.2.15. Number of training on home garden development for FHH	Session	384	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.16. Number of FHH trained on home garden development	FHH	1920	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.17. Number of training on climate smart agriculture to community members	Session	192	Training report	Quarterly	capacity building expert and agronomist	No	No
		Members	19200	Training report	Quarterly	capacity building expert and agronomist	No	No

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.2.18. Number of community members trained on climate smart agriculture	Male	15360	Training report	Quarterly	capacity building expert and agronomist	No	No
		Female	3840	Training report	Quarterly	capacity building expert and agronomist	No	No
		Youth	3840	Training report	Quarterly	capacity building expert and agronomist	No	No
		Male	1920	Training report	Quarterly	capacity building expert and agronomist	No	No
		Female	1920	Training report	Quarterly	capacity building expert and agronomist	No	No
		Non youth	15360	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.19. Number of fruit nurseries established and strengthened	Nurseries	46	progress report	Quarterly	agronomist	No	No
	2.2.20. Number of trainings for Woreda experts and DAs on gender	Sessions	24	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.21. Number of Woreda experts and DAs trained on gender	Woreda experts/Das	338	Training report	Quarterly	capacity building expert	No	No
		Male	270	Training report	Quarterly	capacity building expert	No	No
		Female	68	Training report	Quarterly	capacity building expert	No	No
	2.2.22. Number of community consultation and social mobilization sessions	Sessions	150	Session report	Quarterly	capacity building expert	No	No
	2.2.23. Number of participants in community consultation and social mobilization sessions	Members	32250	Workshop report	Quarterly	capacity building expert	No	No
		Male	25800	Workshop report	Quarterly	capacity building expert	No	No
		Female	6450	Workshop report	Quarterly	capacity building expert	No	No
		Youth	6450	Workshop report	Quarterly	capacity building expert	No	No
		Male	3225	Workshop report	Quarterly	capacity building expert	No	No
		Female	3225	Workshop report	Quarterly	capacity building expert	No	No
		Non youth	25800	Workshop report	Quarterly	capacity building expert	No	No
	2.2.24. Number of youth consultation sessions conducted	Sessions	150	Workshop report	Quarterly	capacity building expert	No	No
	2.2.25. Number of youth participating in consultation sessions	Youth	16500	Workshop report	Quarterly	capacity building expert	No	No
Male		8250	Workshop report	Quarterly	capacity building expert	No	No	
Female		8250	Workshop report	Quarterly	capacity building expert	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.2.26. Number for trainings for HH and group scheme beneficiaries on gender conducted	Sessions	150	Training report	Quarterly	capacity building expert	No	No
	2.2.27. Number of participants in trainings for HH and group scheme beneficiaries on gender	HHs	2250	Training report	Quarterly	capacity building expert	No	No
		Male-headed	900	Training report	Quarterly	capacity building expert	No	No
		Female-headed	1350	Training report	Quarterly	capacity building expert	No	No
	2.2.28. Number of gender mainstreaming trainings conducted for IWUA committee members	Sessions	192	Training report	Quarterly	capacity building expert	No	No
	2.2.29. Number of IWUA committee members participating in gender mainstreaming trainings	Committee members	1728	Training report	Quarterly	capacity building expert	No	No
		Male	1382	Training report	Quarterly	capacity building expert	No	No
		Female	346	Training report	Quarterly	capacity building expert	No	No
		Youth	346	Training report	Quarterly	capacity building expert	No	No
		Male	173	Training report	Quarterly	capacity building expert	No	No
		Female	173	Training report	Quarterly	capacity building expert	No	No
	2.2.30. Number of leadership trainings conducted for women in IWUA	Non youth	1382	Training report	Quarterly	capacity building expert	No	No
		Sessions	192	Training report	Quarterly	capacity building expert	No	No
	2.2.31. Number of women in leadership trainings conducted for IWUA (empowerment)	Women	1920	Training report	Quarterly	capacity building expert	No	No
	2.2.32. Study on analysis of gender and youth in irrigation and marketing chains	Study	1	Study report	once	Nutrition and gender expert	No	No
	2.2.33. Number of TOT sessions on nutrition sensitive agriculture for regions and zones	Sessions	2	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.34. Number of trainers trained on nutrition sensitive agriculture	Trainers	40	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Male	32	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	8	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.35. Number of food demos conducted	Demos	384	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.36. Number of participants in food demos	Participants	15360	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Male	7680	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	7680	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Youth	3072	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Male	1536	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	1536	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Non youth	12288	progress report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
2.2.37. Number of trainings on nutrition sensitive agriculture for kebele and Woreda experts	Sessions	110	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No	



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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.2.38. Number of keeled and Woreda experts trained on nutrition sensitive agriculture	Experts	740	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Male	592	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	148	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.39. Nutrition profile tracking along marketing chain conducted	Study	2	Study report	twice	Nutrition and gender expert, capacity building expert, agronomist, and agribusiness	No	No
	2.2.40. Number of training sessions on household level diversification	Sessions	192	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.41. Number of participants in trainings on household level diversification	Participants	1920	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Male	960	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	960	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Youth	384	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Male	192	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
		Female	192	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Non youth	1536	Training report	Quarterly	Nutrition and gender expert, capacity building expert and agronomist	No	No
	2.2.42. Number of home garden demonstration conducted	Demos	192	progress report	Quarterly	capacity building expert and agronomist	No	No
	2.2.43. Number of participants in home garden demonstrations	Participants	1920	Training report	Quarterly	capacity building expert and agronomist	No	No
		Male	960	Training report	Quarterly	capacity building expert and agronomist	No	No
		Female	960	Training report	Quarterly	capacity building expert and agronomist	No	No
		Youth	384	Training report	Quarterly	capacity building expert and agronomist	No	No
		Male	192	Training report	Quarterly	capacity building expert and agronomist	No	No
		Female	192	Training report	Quarterly	capacity building expert and agronomist	No	No
		Non youth	1536	Training report	Quarterly	capacity building expert and agronomist	No	No
		2.2.44. Number of TOT demonstrations conducted on postharvest technologies	Sessions	2	Training report	Quarterly	capacity building expert and agronomist	No
	2.2.45. Number of trainers trained on postharvest technologies	trainers	40	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.46. Number of trainings and demonstrations on postharvest technologies	Session	192	Training report	Quarterly	capacity building expert and agronomist	No	No
	2.2.47. Number of participants in training/demonstrations on postharvest technologies	Participants	1920	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
		Male	960	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
		Female	960	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
		Youth	384	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Male	192	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
		Female	192	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
		Non youth	1536	Training report	Quarterly	capacity building expert and agronomist	No	1.1.4
	2.2.48. Number of TOT on IPM for federal, regional and zone experts	Sessions	2	progress report	Quarterly	ESS Experts	No	No
	2.2.49. Number of federal, regional and zone experts trained on IPM	Experts	42	progress report	Quarterly	ESS Experts	No	No
	2.2.50. Number of trainings on IPM for Woreda experts and DA	Sessions	16	progress report	Quarterly	ESS Experts	No	No
	2.2.51. Number of Woreda experts and DA trained on IPM	Experts	370	progress report	Quarterly	ESS Experts	No	No
	2.2.52. Number of trainings for IWUA leaders on IPM	Sessions	300	progress report	Quarterly	ESS Experts	No	No
	2.2.53. Number of IWUA leaders trained on IPM	Participants	2250	progress report	Quarterly	ESS Experts	No	No
	2.2.54. Area of land under high value of crops	ha	13800	progress report	Quarterly	Agronomy expert	No	No
2.3. Improved and sustainable watershed management	2.3.1. Number of TOT sessions for regional and federal watershed management and environmental experts	Sessions	2	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.2. Number of trainers trained on watershed management and environment	Trainers	52	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.3. Number of micro-watershed development plan	Plans	150	Plan document	Quarterly	watershed expert	Yes	No
	2.3.4. Number of study tours conducted for Woreda experts and DAs	Study tours	24	Progress report	Quarterly	capacity building expert and watershed expert	No	No
		Participants	1110	Progress report	Quarterly	capacity building expert and watershed expert	No	No

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<b>Output</b>	<b>Indicators</b>	<b>Unit</b>	<b>Appraisal Target</b>	<b>Source of data</b>	<b>Frequency</b>	<b>Responsibility</b>	<b>Logframe</b>	<b>ORMS</b>
	2.3.5. Number of Woreda experts and DAs participating in study tours	Male	888	Progress report	Quarterly	capacity building expert and watershed expert	No	No
		Female	222	Progress report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.6. Number of training for Woreda watershed management team	Sessions	220	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.7. Number of Woreda watershed management team members trained	Members	1100	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	880	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	220	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.8. Number of training for kebele watershed management team	Sessions	300	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.9. Number of kebele watershed management team members trained	Members	1200	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	960	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	240	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.10. Number of training for community watershed management team	Sessions	300	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.11. Number of community watershed management team members trained	Members	1650	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	1320	Training report	Quarterly	capacity building expert and watershed expert	No	No
Female		330	Training report	Quarterly	capacity building expert and watershed expert	No	No	
2.3.12. Number of trainings for farmer extension or research groups	Sessions	300	Training report	Quarterly	capacity building expert and watershed expert	No	No	
	participants	3000	Training report	Quarterly	capacity building expert and watershed expert	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.3.13. Number of members of farmer extension and research groups trained	Male	2400	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	600	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.14. Number of training sessions for Woreda experts on integrated watershed management and climate risk management conducted	Sessions	24	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.15. Number of Woreda experts trained on integrated watershed management and climate risk management	Participants	660	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	528	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	132	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.16. Number of training sessions for DAs on integrated watershed management and climate risk management conducted	Sessions	24	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.17. Number of DAs trained on integrated watershed management and climate risk management	Participants	450	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	360	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	90	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.18. Number of trainings for watershed beneficiaries	Sessions	16	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.19. Number of watershed beneficiaries trained	participants	5400	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Male	4320	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	1080	Training report	Quarterly	capacity building expert and watershed expert	No	No
Youth		4320	Training report	Quarterly	capacity building expert and watershed expert	No	No	

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
		Male	2160	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Female	1080	Training report	Quarterly	capacity building expert and watershed expert	No	No
		Non youth	1080	Training report	Quarterly	capacity building expert and watershed expert	No	No
	2.3.20. Number of trainings on climate variability, forecasting and adaptation options for farmers conducted	Sessions	150	Training report	Quarterly	environmental and social safe guard expert	No	No
	2.3.21. Number of beneficiaries trained on climate variability, forecasting and adaptation options for farmers	participants	22500	Training report	Quarterly	environmental and social safe guard expert	No	No
		Male	18000	Training report	Quarterly	environmental and social safe guard expert	No	No
		Female	4500	Training report	Quarterly	environmental and social safe guard expert	No	No
		Youth	4500	Training report	Quarterly	environmental and social safe guard expert	No	No
		Male	2250	Training report	Quarterly	environmental and social safe guard expert	No	No
		Female	2250	Training report	Quarterly	environmental and social safe guard expert	No	No
		Non youth	18000	Training report	Quarterly	environmental and social safe guard expert	No	No
	2.3.22. GPS maps produced on programme interventions	Scheme map	150	Progress report	Quarterly	GIS/MIS expert	No	No
	2.3.23. Land use and land cover change mapping conducted	Scheme map	150	Progress report	Quarterly	GIS/MIS expert	No	No
	2.3.24. Number of high level trainings on GIS and remote sensing for federal and regional GIS/MIS experts	Sessions	2	Training report	Quarterly	GIS/MIS expert	No	No
	2.3.25. Number of federal and regional GIS/MIS experts trained on GIS and remote sensing	Experts	5	Training report	Quarterly	GIS/MIS expert	No	No

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Output	Indicators	Unit	Appraisal Target	Source of data	Frequency	Responsibility	Logframe	ORMS
	2.3.26. Number of trainings on GIS for federal and regional GIS/MIS experts	Sessions	2	Training report	Quarterly	GIS/MIS expert	No	No
	2.3.27. Number of federal and regional GIS/MIS experts trained on GIS	experts	50	Training report	Quarterly	GIS/MIS expert	No	No
	2.3.28. Number of trainings on GIS for Woreda and zonal GIS/MIS experts	Sessions	20	Training report	Quarterly	GIS/MIS expert	No	No
	2.3.29. Number of Woreda and zonal GIS/MIS experts trained on GIS	Experts	252	Training report	Quarterly	GIS/MIS expert	No	No
	2.3.30. Area of hillside communal land treated and managed	ha	10224	Progress report	Quarterly	watershed expert	No	No
	2.3.31. Area of land closed for rehabilitation	ha	6816	Progress report	Quarterly	watershed expert	No	No
	2.3.32. Gully treated with biophysical measures\	ha	1363	Progress report	Quarterly	watershed expert	No	No
	2.3.33. Area of farmland treated with bio physical measure\	ha	49757	Progress report	Quarterly	watershed expert	No	No
	2.3.34. Area where CA is practiced	ha	450	Progress report	Quarterly	watershed expert	No	No
	2.3.35. Area under agroforestry and fruits	ha	1500	Progress report	Quarterly	watershed expert	No	No
	2.3.36. Land under improved forage production	ha	375	Progress report	Quarterly	watershed expert	No	No
	2.3.37. Land under soil fertility management practices	ha	750	Progress report	Quarterly	watershed expert	No	No
	2.3.38. Number of community nurseries (multipurpose) established and strengthened	Nurseries	150	Progress report	Quarterly	watershed expert	No	No



**M&E schedule**

SN	Activities	July				August				September				October				November				December			
		Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4
1	Monthly report (day 2 of the following month)	2				2				2				2				2				2			
2	Quarterly progress report (day 4 of the following month)	4											4												
3	Submission of the semi-annual and annual progress reports to IFAD	15																							
4	Annual outcome survey																								
5	Woreda submit AWPB to region																								
6	Region submit AWPB to Federal																								
7	Federal submit AWPB to PSC																								
8	Project submit AWPB to IFAD for NO																								
9	Monthly monitoring visits by regional M&E																								
10	Quarterly monitoring visits by Federal M&E officer																								
11	Quarterly meetings to discuss progress (regional and federal units)																								
12	Bi annual performance review meetings																								
13	Review meetings at woreda level (WSC)																								
14	Review meetings at kebele level (KTC)																								

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SN	Activities	January				February				March				April				May				June			
		Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4	Week-1	Week-2	Week-3	Week-4
1	Monthly report (day 2 of the following month)	2				2				2				2				2				2			
2	Quarterly progress report (day 4 of the following month)	4												4											
3	Submission of the semi-annual and annual progress reports to IFAD	15																							
4	Annual outcome survey																								
5	Woreda submit AWPB to region										15														
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