



MINISTRY OF FISHERIES AND LIVESTOCK



NATIONAL FISHERIES AND AQUACULTURE POLICY IMPLEMENTATION PLAN 2022-2026



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FOREWORD



The National Fisheries and Aquaculture Policy Implementation Plan has been developed to operationalize the policy objectives outlined in the National Fisheries and Aquaculture Policy (NFAP). The Policy document has seven (7) objectives from which specific interventions will be undertaken to achieve sustainable fisheries and aquaculture production and productivity. This will contribute to achieving economic diversification, poverty-reduction, and job creation.

The Implementation Plan covers areas that are important in realizing the potential of the fisheries and aquaculture subsector and is aligned to Zambia's medium to long term aspirations expressed in the Eighth National Development Plan (8NDP). This Plan ensures the achievement of medium-term development objectives that will contribute to actualizing the Africa Agenda 2063, Malambo Declaration, and the sustainable Development Goals (SDGs) related to ending hunger, food security and poverty reduction (SDGs 1 and 2).

A multi-sectoral and coordinated approach will be the basis for implementing this plan. It has been driven by the Result-Based Management (RBM) approach which provides a clear result-linkage of the strategic objectives, measures, and activities or programmes, upon which indicators are developed. Achievement of the Key Performance Indicators (KPIs) will depend on the effective implementation of planned programmes and the attainment of outcomes and output targets for the planned objectives.

I wish, therefore, to call upon all stakeholders to actualize the activities in the Implementation Plan to achieve the broad vision set out in the Policy.

A handwritten signature in blue ink, appearing to read 'Makozo Chikote', on a light-colored background.

Hon. Makozo Chikote, MP

MINISTER OF FISHERIES AND LIVESTOCK

ACKNOWLEDGEMENT



The development of the National Fisheries and Aquaculture Policy Implementation Plan has been achieved by the collaborative work that could not have been completed without the concerted efforts of various stakeholders. Special thanks go to the Minister of Fisheries and Livestock, Hon. Makozo Chikote, MP, for the guidance in areas of focus and prioritization of activities contained in the Plan.

During the process of formulating the Plan, wide consultations were made with all key stakeholders at National, Provincial, and District levels. I wish to acknowledge the invaluable contributions of all our stakeholders during the formulation of the Implementation Plan. I also wish to acknowledge the guidance and technical support rendered to the Ministry by Cabinet Office. Further, I would like to thank the Technical Working Committee appointed to develop the Plan for their invaluable input.

Finally, I wish to thank the Development Partners who provided financial and technical assistance in the process of developing this Plan.

It is my sincere hope that all stakeholders will work towards achieving the targets set in this Plan.

A handwritten signature in blue ink, appearing to read 'A. Songolo', on a light-colored rectangular background.

Dr. Anna C. Songolo
Permanent Secretary

MINISTRY OF FISHERIES AND LIVESTOCK

ACRONYMS

8NDP	Eighth National Development Plan
ADAZ	Aquaculture Development Association of Zambia
CPs	Cooperating Partners
DNPW	Department of National Parks and Wildlife
FTIs	Fisheries Training Institutes
MCDSS	Ministry of Community Development and Social Services
MCTI	Ministry of Commerce, Trade and Industry
MFL	Ministry of Fisheries and Livestock
MFNP	Ministry of Finance and National Planning
MGEE	Ministry of Green Economy and Environment
MHAIS	Ministry of Home Affairs and Internal Security
MIHUD	Ministry of Infrastructure, Housing Urban and Development
MLGRD	Ministry of Local Government and Rural Development
MLNR	Ministry of Lands and Natural Resources
MOA	Ministry of Agriculture
MOD	Ministry of Defence
MOE	Ministry of Education
MOH	Ministry of Health
MoJ	Ministry of Justice
MOT	Ministry of Tourism
MTL	Ministry of Transport and Logistics
WARMA	Water Resources Management Agency
MWDS	Ministry of Water Development and Sanitation
MSME	Ministry of Small and Medium Enterprises
NAP	National Agricultural Policy
NFNC	National Food and Nutrition Commission
NGOs	Non-Government Organisations
SZI	Smart Zambia Institute
ZAMSTATS	Zambia Statistics Agency
ZCCI	Zambia Chamber of Commerce and Industry
ZPPA	Zambia Public Procurement Agency
ZP	Zambia Police

1. INTRODUCTION

The National Fisheries and Aquaculture Policy Implementation Plan was developed to translate the main policy objectives into specific, measurable, actionable, realistic, and time-bound (SMART) goals to benefit all stakeholders. The Plan describes broad actions that the government, together with its stakeholders, intends to undertake to address key issues related to fisheries and aquaculture development. The overall objective of this plan is “to transform the fisheries sub-sector towards enhancing economic growth and social development”.

The plan outlines a clear linkage of the policy objectives, measures, activities, and strategies, upon which the Key Performance is developed. It also provides for annual targets, key players, and the estimated costs over a period of five years. The plan will achieve the following outcomes: 1) Improved food and nutrition security; 2) Efficient and effective extension service delivery; 3) Improved information generation, management and innovation; 4) Improved and developed fisheries and aquaculture value chain; 5) Improved aquatic animal health; 6) Sustainable fisheries and aquaculture development; and 7) Integrated fisheries and aquaculture development.

2. COST ESTIMATE OF THE PLAN

The total cost of implementing programmes outputs in the Implementations plan is estimated at **ZMW 648,133,909.42** over the period of 2022 to 2026. The distribution of the total cost according to the Policy Objective is summarised in table 1.

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No.	Policy Objective	Estimated Cost in ZMW	%age Allocation
1	To promote sustainable fish production and productivity	116,560,069.70	18.0%
2	To strengthen fisheries and aquaculture extension service delivery	183,034,300.24	28.2%
3	To strengthen Research and Development (R&D) in Aquaculture and Capture Fisheries	255,741,459.39	39.5%
4	To enhance market access and linkages for fish and fish products	3,550,000.00	0.5%
5	To improve and maintain aquatic animal health	14,427,764.51	2.2%
6	To prevent and mitigate environmental degradation	28,509,725.14	4.4%
7	To mainstream crosscutting issues in fisheries and aquaculture	46,310,590.44	7.1%
	GRAND TOTAL (OBJECTIVES 1-7)	648,133,909.42	100.0%

Table 1: The Estimated cost of the implementation Plan

3. RATIONALE

The National Fisheries and Aquaculture Policy Implementation Plan is intended to provide a framework for the implementation of broad activities to all clients and stakeholders in the fisheries subsector. As they buy into these broad activities to develop their detailed activities, they will be supporting the operationalization of the National Fisheries and Aquaculture Policy in a multi-sectoral and coordinated approach.

4. IMPLEMENTATION FRAMEWORK

To achieve the policy objectives and measures outlined in chapter 3 in the main policy document, the Government has put in place an implementation framework. The Ministry responsible for Fisheries and aquaculture will collaborate with other line ministries and stakeholders in the implementation of the policy as outlined in annex 1.

Table 2: Implementation Framework for the First National Fisheries and Aquaculture Policy 2022 – 2026

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW	
				2022	2023	2024	2025	2026			
1	OBJECTIVE 1: To promote sustainable fish production and productivity										
2	OUTCOME: Improved food and nutrition security										
3	Promote the use of improved fingerlings and quality fish feeds	Conduct periodic surveys on national fingerling and fish feed demand and supply	No. of Surveys conducted	0	1	1	1	1	MFNP, MFL, ZAMSTATS	3,862,506.55	
		Create business linkages across the input supply nodes	No. of smallholder farmers linked to up takers	0	30	20	20	20	MFL, MCTI, ADAZ	591,615.76	
		Conduct hatchery and feed mill compliance inspections	No. of Inspections conducted	0	4	4	4	4	MFL, MCTI	1,196,525.07	
4	Facilitate provision of incentives in the production of quality inputs (mainly fingerlings, fish feed and water extraction equipment)	Conduct needs assessment for incentives required by producers	Needs assessment for incentives required by producers conducted	0	1	0	0	1	MFL, CPs	255,091.12	
		Conduct stakeholder consultations on tax incentives	No. of stakeholder meetings conducted	0	1	1	1	1	MFL, MFNP	600,000.00	

SN	Measure		Activity	Output Indicators		Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
						2022	2023	2024	2025	2026		
5	Promote and facilitate access to fisheries and aquaculture financing	Identification and engagement of financial institutions that can provide finance	No. of financial institutions identified and engaged	0	1	1	1	0			MFL, MFNP, MCTI	210,000.00
		Develop training modules for improved access to finance in collaboration with financial institutions.	No. of Training modules developed	0	0	1	0	0			MFL, ADAZ, ZACCI	656,329.90
		Conduct training on access to finance for farmers	No. of trainings on financial access conducted	0	30	35	40	50			MFL, MCTI	1,150,410.04
		Conduct entrepreneurship training	No. of trainings on entrepreneurship conducted	0	30	35	40	50			MFL, MCTI, MSME	1,150,410.04
		Harmonise Aquaculture Seed Fund and the Fisheries and Aquaculture Development Fund	The Aquaculture seed fund and the Fisheries and Aquaculture Development Fund harmonised	0	1	0	0	0			MFL, MCTI, MOJ	50,545.50
6	Promote establishment	Construct aquaculture service centres	No. of aquaculture service centres constructed	5	0	2	0	0			MFL, MoF, MCPs,	200,000,000

SN	Measure		Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
					2022	2023	2024	2025	2026		
	of aquaculture parks		Develop layout plans for five Aquaculture parks	No. of layout plans developed.	0	2	1	1	1	MFL, MLNR, MoA, MIHUD	1,000,000.00
			Conduct community awareness and sensitization	Community awareness and sensitization conducted	0	4	4	4	4	MFL, CPs	250,500.00
	Strengthen cooperation on the management of transboundary fisheries resources		Participate in transboundary meetings	No. of transboundary meetings attended	1	2	2	2	2	MFL	1,597,368.78
			Implement resolutions of transboundary recommendations	No. of recommendations/resolutions implemented	0	1	1	1	1	MFL	300,000.00
7	Establish and Strengthen management of fish protected areas/fisheries reserve		Conduct joint surveys on transboundary water bodies (Kariba, Tanganyika and Upper Zambezi)	Conduct joint surveys on transboundary water bodies conducted	0	1	1	1	0	MFL, CPs, DNPW	1,050,000.00
			Conduct community sensitization and awareness meetings on the establishment of fisheries reserves (Kafue, Itezhi-tezhi, Kabompo, Lunga,	No. of community sensitization meetings conducted	0	8	8	8	8	MFL	1,023,690.81

SN	Measure		Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
					2022	2023	2024	2025	2026		
			Bangweulu, Mweru, Tanganyika, Kariba)								
			Conduct community trainings on sustainable fishing methods	No. of community trainings conducted	0	110	110	110	110	MFL	1,173,656.34
			Identify and designate fishery management areas	No. of fishery management areas identified and designated	1	1	1	1	1	MFL, MLNR	3,666,943.75
			Facilitate the development of fishery specific management plans	No. of fishery specific management Plans developed	1	1	1	1	1	MFL, MLNR	1,310,242.13
			Facilitate the establishment of fishery management committees	No. of fishery management committees established	1	1	1	1	1	MFL, CPs	3,417,944.11
			Develop IUU awareness materials	No. of IUU awareness materials developed	0	0	540	0	0	MFL, CPs	1,255,078.17
	To deter and eliminate illegal, Unregulated and Unreported (IUU) fishing		Conduct community sensitization and awareness meetings on IUU	No. of meetings on IUU conducted	0	50	50	50	50	MFL	1,023,690.81

SN	Measure		Activity	Output Indicators		Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
						2022	2023	2024	2025	2026		
10			Conduct trainings on sustainable fishing methods	No. of trainings on sustainable fishing conducted	0	0	10	10	0	0	MFL	1,173,656.34
			Conduct surveillance and enforcement patrols	No. of surveillance and enforcement patrols conducted	0	440	440	440	440	440	MFL, DNPW, MHAIS(ZP)	52,800,000.00
			Procure of surveillance equipment	Procure of land surveillance equipment and transport	0	6	6	6	6	6	MFL, MFNP, MTL	31,200,000.00
				Procure of water surveillance equipment and transport	0	3	3	3	2	2	MFL, MFNP, MTL	1,300,000.00
		Facilitate the establishment of fisheries co-management structures	Formation and strengthening of co-management structures	No. of co-management structures formed and strengthened	0	1	1	1	1	1	MFL, MLGRD, CPs, DNPW	260,000.00
			Capacity building for emerging and established Co-management structures	No. of co-management structures trained	0	1	1	1	1	1	MFL, MLGRD, CPs, DNPW	337,523.47

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Conduct community awareness and sensitisation	community awareness and sensitisation conducted	0	1	1	1	1	MFL, MLGRD, CPs, DNPW	242,350.00
		Undertake needs assessment training	Needs assessment training undertaken	1	0	0	0	0	MFL	373,707.43
11	Promote investment in Fisheries Infrastructure and Technologies	Develop efficient and affordable fish processing and preservation technologies	No. of efficient and affordable technologies developed	0	3	3	0	0	MFL, MFNP, SZI	233,596.90
		Revise manual and guidelines for fish handling and processing	Manual and guidelines for fish handling and processing revised	0	1	0	1	0	MFL, CPs	346,686.68
		Conduct stakeholder consultations	No. of stakeholder consultations conducted	0	1	0	1	0	MFL, CPs	1,500,000.00
12	OBJECTIVE 1 TOTAL									116,560,069.70
13	SPECIFIC OBJECTIVE 2: To strengthen fisheries and aquaculture extension service delivery									
14	OUTCOME: Efficient and effective extension service delivery									
15	Improve capacity of Fisheries Training	Rehabilitate existing FTIs and FTCs	No. of FTCs rehabilitated	0	1	1	1	0	MFL, MIHUD	29,976,000.00
			No. of FTIs rehabilitated	0	1	1	0	0	MFL, MIHUD	12,000,000.00

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
16	Institutes (FTIs) and Fisheries Training Centres (FTCs)	Recruit staff	No. of new staff recruited	0	50	50	50	50	MFL, MLGRD	539,450.30
		Conduct capacity building and orientation	No. of officers trained and oriented	0	50	50	50	50	MFL, MLGRD	488,513.71
		Procure equipment and tools for 2 FTIs	No. FTIs equipped	0	0	1	0	1	MFL, MFNP	500,000.00
		Procure equipment and tools for 3 FTCs	No. FTCs equipped	0	1	1	0	1	MFL, MFNP	700,000.00
		Conduct in-service trainings	No. of trainings conducted	0	2	2	2	2	MFL, CPs	800,422.53
	Strengthen the capacity of the extension staff and other stakeholders	Long term training for extension staff	No. of extension staff trained	0	5	10	15	20	MFL, CPs	3,553,378.88
		Procurement of motorcycles for extension services	No. of Motorcycles procured	0	0	60	60	0	MFL, MFNP	10,800,000.00
		Recruitment of Fisheries Extension officers in all districts	No. of Fisheries Extension Officers recruited	0	145	100	100	100	MFL, MFNP, Cabinet	639,452.30
		Conduct induction trainings	No. of Extension staff trained	0	145	100	100	100	MFL	568,513.71
		Procurement of vehicles for extension services	No. of Motor vehicles procured	0	0	30	30	0	MFL, MFNP, CPs	78,000,000.00

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Rehabilitation of Camp Houses	No. of camp Houses rehabilitated	0	36	28	0	0	MFL, MIHUD, MLGRD	16,000,000.00
		Conduct stakeholder workshops on extension methodologies and approaches	No. of workshops conducted	0	0	4	0	0	MFL, CPs, MLGRD	1,178,707.43
		Rehabilitation of office blocks	No. of office blocks rehabilitated	0	17	10	0	0	MFL, MIHUD, MFNP, MLGRD	22,384,854.00
		Procure extension equipment and tools	No. of extension offices equipped	0	29	29	29	29	MFL, ZPPA	700,000.00
		Develop ICT platform and materials	ICT platform developed	0	1	0	0	0	MFL, SZI, CPs	1,839,063.27
		Capacity building of extension staff in ICTs	No. of officers trained	0	60	60	60	60	MFL, SZI, CPs, MLGRD	1,000,000.00
17	Promotion of ICT platforms	Conduct community awareness and sensitisation on the ICT platform	No. Communities sensitised on the ICT platform conducted	0	0	0	10	0	MFL, SZI, CPs, PROV. ADMIN	1,365,944.11
18	OBJECTIVE 2 TOTAL									183,034,300.24
19	SPECIFIC OBJECTIVE 3: To Strengthen Research and Development (R&D) in Capture Fisheries and Aquaculture									

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW	
				2022	2023	2024	2025	2026			
20	OUTCOME: Improved information generation, management and innovation										
21	Strengthen institutional capacity to undertake appropriate research	Recruit research officers	No. of research officers employed	0	60	0	60	0	MFL, MFNP, Cabinet	539,450.30	
		Conduct staff orientation	No. of staff oriented	0	60	0	60	0	MFL	770,273.36	
		Develop and implement a mentorship program	No. of mentorship programmes developed	0	1	0	0	0	MFL	350,525.00	
			No. of mentorship programmes implemented	0	0	1	1	1	MFL, CPs	176,282.90	
		Conduct in-service trainings, workshops and seminars	No. of workshops conducted	0	2	2	0	0	MFL	1,424,131.58	
		Support long term staff Training	No. of officers trained	0	5	10	15	20	MFL, CPs	3,553,378.88	
		Rehabilitate infrastructure of existing research stations	No. of Research stations rehabilitated	0	15	5	5	10	MFL	63,672,500.00	
		Equip research stations	No of research stations equipped	0	15	5	5	10	MFL, CPs	20,020,000.00	
	Establish an Aquaculture and Fisheries National journal	National journal established	0	0	1	0	0	MFL, Academia	2,520,000.00		

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
22	Enhance national, regional and international collaboration with training and research institutions	Digitise library at Central Fisheries Research Institute	Library at Central Fisheries Research Institute digitised	0	1	0	0	0	MFL	1,500,000.00
		Develop a platform for research collaboration	Platform developed	0	1	0	0	0	MFL	900,409.11
		Undertake institutional exchange visits	No. of exchange visits	0	2	0	0	2	MFL, CPs, Academia	636,261.27
		Conduct joint research with other institutions	No. of joint research conducted	0	2	2	2	2	MFL, Academia, CPs	1,865,122.28
23	Strengthen capture fisheries and aquaculture research - extension linkages	Holding Joint Extension and Research planning and review meetings	No. of Joint Extension and Research planning and review meetings held	0	1	1	1	1	MFL, Academia, CPs	2,631,410.21
		Conduct demonstrations and trainings	No. of demonstrations and people trained	0	3	3	3	3	MFL, Academia, CPs	1,706,177.05
		Conduct on-farm trials	No. on-farm trials conducted	0	20	20	20	20	MFL	1,262,419.17
		Participate at shows and Expos	No. of shows and Expos attended	135	136	135	135	135	MFL, CPs	4,074,578.17

SN	Measure		Activity	Output Indicators		Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
						2022	2023	2024	2025	2026		
24			Facilitate farmer to farmer extension	No. of farmer to farmer extension facilitated	50	50	50	50	50	50	MFL	509,793.25
			Produce extension materials	No. of extension materials produced	5	5	0	5	0	0	MFL	1,456,329.90
			Dissemination of research results to stakeholders	No. of research results disseminated	0	4	5	7	4	4	MFL, CPs	900,000.00
			Genetically improve Oreochromis macrochir (green headed bream)	Green headed bream genetically improved	0	1	1	1	1	1	MFL, CPs	15,137,320.48
	Promote Genetic Resource improvement and conservation of Indigenous fish		Genetically improve Oreochromis andersonii (Kafue bream)	No of Studies	0	1	1	1	1	1	MFL, CPs	13,628,656.34
			Breeding of Auchenoglanis occidentalis (Giraffe cat fish)	No of Studies	0	1	1	1	1	1	MFL, CPs	6,441,789.08
			Provide Support to long term training	No. of officers trained	0	0	4	2	6	6	MFL, CPs	2,000,000.00
			Publish and disseminate research finding on the impact of invasive species	No. of publications produced	0	0	1	1	1	1	MFL, CPs	1,500,000.00
				No. of research finding disseminated	0	2	2	2	2	2	MFL, CPs	200,255.00

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
25	Enhance private sector participation in capture fisheries and aquaculture research	Provide incentive to the private sector undertaking research in Fisheries and Aquaculture	No of incentives provided	0	1	2	2	1	MFL, CPs	350,456.00
		Setting up Research agenda	No. of research areas identified	0	1	0	1	0	MFL, CPs, Academia	700,652.00
		Bring on board the private sector in Fisheries and Aquaculture Research	No of private sectors participating in Research	0	1	2	2	1	MFL, CPs	140,000.00
		Sensitize the private sector on research opportunities	No of sensitizations	0	3	4	4	3	MFL, CPs	673,288.06
		Conduct fish catch assessment survey	No. of fish catch assessment surveys conducted	0	36	36	36	36	MFL, CPs	79,300,000.00
26	Strengthen fisheries monitoring	Conduct gillnet survey	No. of gillnet surveys conducted	0	48	48	48	48	MFL, CPs	6,000,000.00
		Conduct limnology and biomonitoring survey	No. of limnology and biomonitoring surveys conducted	0	144	144	144	144	MFL, CPs	700,000.00
		Mapping of distribution of invasive species	Distribution of invasive species mapped	0	2	2	2	2	MFL, CPs	8,000,000.00

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Conduct post-harvest studies	No. of post-harvest studies conducted	0	1	1	0	0	MFL, CPs	500,000.00
		Conduct frame survey	No. of frame surveys conducted	0	4	4	4	0	MFL, CPs	10,000,000.00
27	OBJECTIVE 3 TOTAL									
28	SPECIFIC OBJECTIVE 4: To enhance market access and linkages for fish and fish products									
29	OUTCOME: Improved and developed fisheries and aquaculture value chain									
30	Promote out grower schemes for aquaculture producers	Pilot the developed out- grower models for aquaculture producers	No. of sites where out-grower models will be piloted	0	1	1	1	0	MFL, MCTI, MSME, CPs	750,000.00
		Build capacity for government and private players	No. of training conducted	0	2	2	2	2	MFL, CPs	800,000.00
		Conduct Stakeholder meetings	No. of stakeholder meetings conducted	0	1	1	1	1	MFL, CPs	400,000.00
31	Promote and facilitate establishment of aggregators and storage facilities	Identify and organize aggregators	No. of aggregators identified	0	1	1	1	1	MFL, MCTI, MSME, CPs	400,000
		Conduct needs assessment for storage facilities	Needs assessment conducted	0	1	0	1	0	MFL, CPs	300,000

SN	Measure		Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
					2022	2023	2024	2025	2026		
			Facilitate establishment of storage facilities	No. of storage facilities established	0	2	2	2	0	MFL, CPs	300,000.00
			Facilitate fish and fish products' market days	No. of market days facilitated	0	1	1	1	1	MFL, CPs, MCTI, MOA	300,000.00
32	Promote organised fish markets		Create awareness among fishers and fish farmer on the need to form cooperatives for organized fish markets	No. of awareness programmes and activities conducted	0	10	10	10	10	MFL, CPs	300,000
			Establish electronic fish marketing information	Electronic fish marketing information established	0	0	1	0	0	MFL, MCTI, SZI	500,000.00
			Develop market data collection tool	Data collection tool developed	0	1	0	0	0	MFL, ZAMSTATS	200,000.00
33	Improve input and output market for capture fisheries and aquaculture		Undertake surveys to collect fisheries and aquaculture inputs, outputs and market statistics	No of surveys undertaken	0	0	12	12	12	MFL, ZAMSTATS	300,000.00

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Publish and disseminate information on the input, outputs and market statistics	Information on the input, outputs and market statistics published	0	0	4	4	4	MFL, ZAMSTATS	120,000
34	Promote establishment of fish market linkages and distribution channels	Undertake trainings in market linkages for fisheries and aquaculture players	No. of trainings in market linkages conducted	0	3	3	3	3	MFL, MCTI, MSME, CPs	1,706,177.05
		Build capacity of fish and fish products' distributors	Capacity of fish and fish products distributors built	0	2	2	2	2	MFL, MCTI, MSME, CPs	800,000
35	OBJECTIVE 4 TOTAL									3,550,000.00
36	SPECIFIC OBJECTIVE 5: To improve and maintain aquatic animal health									
37	OUTCOME: Improved aquatic animal health									
		Establish early warning system for AAH(TILV&EUS)	AAH Early warning system established	0	1	0	0	0	MFL, UNZA, SZI, CPs	2,500,000.00
38	38	Strengthen the capacity of extension workers AAH surveillance	No. of extension officers trained	60	60	60	60	60	MFL, UNZA	1,509,793.25

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Community awareness and sensitization	No. of sensitization programmes conducted	0	50	50	50	50	MFL	2,050,000.00
		Develop training materials	Training materials developed	0	1	0	0	0	MFL, ADAZ,	856,329.90
		Develop aquatic animal disease surveillance manual	Aquatic animal disease surveillance manual developed	0	1	0	0	0	MFL, ADAZ,	550,000.00
		Conduct aquatic animal disease surveillance	No. of aquatic animal disease surveillance conducted	0	30	35	40	50	MFL, MCTI	1,150,410.04
		Strengthen the AAH legal and regulatory framework	AAH legal and regulatory framework strengthened	0	0	1	0	0	MFL, MOJ	1,530,947.87
		Improve Human Resource Capacity	No. of staff trained in AAH	0	20	20	20	0	MFL, Cabinet	763,750.26
		Promote appropriate biosecurity measures	No. of extension officers trained	0	60	60	60	60	MFL, UNZA	1,509,793.25

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
	among fishers and fish farmers	Develop training materials	Training materials developed	0	1	0	0	0	MFL, ADAZ, ZACCI	856,329.90
		Conduct trainings for fish farmers	No. of trainings conducted	0	30	35	40	50	MFL, MCTI	1,150,410.04
40	OBJECTIVE 5 TOTAL									14,427,764.51
41	SPECIFIC OBJECTIVE 6: To prevent and mitigate environmental degradation									
42	OUTCOME: Sustainable fisheries and aquaculture development									
43	Promote best management Practices in aquaculture	Development manuals for Best Management Practices (BMPs) in Aquaculture	No. of manuals developed	0	1	0	0	0	MFL, ADAZ	825,939.43
		Undertake sensitisation meetings for Best Management Practices (BMPs) in Aquaculture	No. of sensitization meetings	0	20	20	20	36	MFL, ADAZ	1,365,944.11
		Conduct training farmers in Best Management Practices in aquaculture	No. of training conducted	0	60	60	60	60	MFL	2,150,410.04

SN	Measure Activity		Output Indicators		Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
					2022	2023	2024	2025	2026		
44	Promote and strengthen capacity on land use and aquatic management practices	Conduct awareness campaigns on land use and aquatic management practices	No. of awareness campaigns conducted	0	20	20	20	20	36	MFL, MLNR,	1,365,944.11
		Conduct in-service trainings on land use and aquatic management practices	No. of trainings conducted	0	0	5	5	0	0	MFL, MLNR	3,668,157.90
		Review and develop resource use plans	No. of resource use plans developed	0	1	0	1	0	0	MFL	425,565.79
		Conduct a study on economic value and importance of fresh water resources	No. of studies conducted	0	1	3	0	0	0	MFL, UNZA	2,800,000.00
45	Promote awareness and sensitization programmes on economic values and importance of fresh water resources	Conduct awareness and sensitization campaigns on economic values and importance of fresh water resources	No. of awareness and sensitization campaigns conducted	0	20	20	20	20	36	MFL, ADAZ	1,365,944.11

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (Leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
		Facilitate stakeholder linkages and collaboration	No. of meetings conducted	0	4	4	4	4	MFL	1,276,697.37
		Conduct awareness and sensitization campaigns on integrated ecosystem management	No. of awareness and sensitization campaigns conducted	0		50	50	50	MFL, CPs	4,500,000
45	Promote integrated ecosystem management	Conduct joint research on ecosystem management	No. of joint research conducted	0	4	4	4	4	MFL, Academia	3,665,122.28
		Sensitisation on the negative impact of using mosquito nets on fishing and fish farming	No of sensitisation meetings conducted	0	200	200	200	200	MFL, MOH, CPs	8,000,000.00
		Conduct joint planning and management meetings	No. of joint planning and management meetings conducted	0	4	4	4	4	MFL, DNPW, FD, WARMA, NRD, CCS, CPs	1,600,000.00
47	OBJECTIVE 6 TOTAL									28,509,725.14
48	SPECIFIC OBJECTIVE 7: To mainstream crosscutting issues in fisheries and aquaculture									

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
49	OUTCOME: Integrated fisheries and aquaculture development									
50	To promote climate smart aquaculture and sustainable fisheries resources management	Develop guidelines for mainstreaming climate adaption and mitigation in the Fisheries and aquaculture subsector	Guidelines for mainstreaming climate in the fisheries and aquaculture subsector developed	0	0	1	0	0	MFL, MGEEE	543,634.58
		Conduct in-service trainings on climate smart aquaculture and sustainable fisheries resources management	No of in-service trainings on climate smart aquaculture and sustainable fisheries resources management conducted	0	10	0	10	0	MFL, CPs	3,668,157.90
		Conduct awareness and sensitization campaigns on climate smart aquaculture and sustainable fisheries	No of awareness and sensitization campaigns on climate smart aquaculture and sustainable fisheries conducted	20	20	20	20	36	MFL, ADAZ, CPs	1,359,944.11
51	Advocate for improved land tenure for	Awareness and sensitization of farmers on land tenure	No of meetings conducted	0	10	10	10	10	MFL, MLNR, MLGRD, CPs	251,812.67

SN	Measure	Activity	Output Indicators	Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
				2022	2023	2024	2025	2026		
	aquaculture production facilities	Facilitate stakeholder consultation meetings	No. of stakeholder consultation meetings held	0	1	1	1	1	MFL, MLNR, MLGRD, CPs	246,578.17
52	Enhance participation of vulnerable but viable groups (youth, women and persons with disabilities);	Conduct awareness and sensitization campaigns with vulnerable groups	No. of awareness and sensitization campaigns with vulnerable groups conducted	0	10	10	10	10	MFL, MCDSS, CPs, MLGRD	251,812.67
		Revise the financing modalities in the fisheries and aquaculture empowerment programmes	financing modalities in the fisheries and aquaculture empowerment programmes revised	0	1	0	0	0	MFL, MCDSS, CPs, MLGRD	300,025.00
		Undertake training of the vulnerable but viable groups in Fisheries and aquaculture	No. of trainings conducted	0	2	2	2	2	MFL, MCDSS, CPs, MLGRD	1,200,000
53	Mainstream responses to COVID 19, HIV/AIDS, TB, Malaria and	Conduct Community sensitization and awareness meetings on the impact of HIV, TB	No. of meetings conducted	0	10	10	10	10	MFL, MCDSS, CPs, MLGRD	251,812.67

SN	Measure		Activity	Output Indicators		Annual Targets					Responsible Institution (leading Partners)	Estimated Cost in ZMW
						2022	2023	2024	2025	2026		
54	other emerging human diseases	Facilitate mitigation of COVID-19 impact on fishers and fish farmers and promotion of good hygiene practices	No. of facilitations conducted on good hygiene practices	No. of fishers and fish farmers supported against impact of COVID 19.		0	10	10	10	10	MFL, MoH, MCDSS, CPs, MLGRD	251,812.67
						0	200	200	200	200	MFL, MoH, CPs	2,000,000.00
	Mainstream fisheries and aquaculture into nutrition	Develop materials on fish nutrition	No. of materials on fish nutrition developed			0	1	0	0	0	MFL, MOH, NFNC, MOA	285,000.00
		Conduct awareness campaigns on nutrition in fish and fish products	No. of awareness campaigns conducted			0	137	137	137	137	MFL, MOH, NFNC, MOA	5,480,000.00
		Conduct trainings in nutrition	No. of trainings conducted			0	116	116	116	116	MFL, MOH, NFNC, MOA	23,200,000.00
55			Demonstrations in nutrition	No. of demonstrations		0	137	137	137	137	MFL, MOH, NFNC, MOA	8,220,000.00
	OBJECTIVE 7 TOTAL											46,310,590.44
56	GRAND TOTAL (OBJECTIVES 1-7)											648,133,909.42

5. MONITORING AND EVALUATION

The Policy will be used as a guide towards achieving the Vision and Mission as outlined in the main policy document. The Ministry responsible for fisheries and aquaculture will conduct spot checks and joint annual reviews with key stakeholders on the interventions outlined in the implementation plan to assess the annual progress. The Ministry will also conduct a mid-term and a final review of the implementation of the Policy to assess its impact.



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