



REPUBLIC OF ZAMBIA

IMPLEMENTATION PLAN

2025 National Science, Technology and Innovation Policy







Foreword



The Science, Technology and Innovation Implementation Plan has been developed to operationalize the National Science, Technology and Innovation Policy, which outlines the strategic development direction for science, technology and innovation in the country for the period 2024-2028. The Implementation Plan, outlines the specific interventions to be implemented, including the cost implications and results targeted to attain the vision of having science technology and innovation as the driving force for competitiveness, wealth-creation and sustainable development.

This plan will ensure achievement of short-term development objectives that will contribute to actualizing the Eighth National Development Plan (8NDP), National Vision 2030, Africa Agenda 2064 and the Sustainable Development Goals (SDGs). In line with the institutional arrangements as set out in the 8NDP, the National Science, Technology and Innovation Policy Implementation Plan adopts an integrated (multi-sectoral) development approach, which recognizes the multi-faceted and interlinked nature of sustainable development and calls for interventions to be tackled simultaneously through a coordinated approach to implement development interventions.

The Implementation Plan has been driven by the Results-Based Management (RBM) Approach which provides a clear result linkage of the strategic objectives, measures, activities, and strategies, upon which indicators are developed. Achievement of the Performance Indicators (PIs) will depend on effective implementation of planned programmes and attainment of outcome and output targets of the Plan objectives.

The outline of this Implementation Plan includes policy objectives, measures and activities; a budget, indicators and the institutions responsible for the implementation of the measures and activities.



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ACKNOWLEDGEMENTS

I wish to acknowledge the role of the United Nations Development Programme (UNDP) in providing support towards the development of the Science, Technology and Innovation (STI) Policy.

Further thanks go to other stakeholders who participated to the development of the STI Policy and its Implementation Plan.

A handwritten signature in black ink, appearing to be 'B. Habeenzu'.

Dr. Brilliant Habeenzu
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1.0. INTRODUCTION

The 2024 National Science, Technology and Innovation Policy is a revision of the 2020 Policy on Science, Technology and Innovation (STI). The revision of the Policy was prompted by the fact that measures relating to emerging technologies and space science were not included. The 2024 National STI Policy, therefore, provides for strategic interventions to promote applied Research and Development (R&D); technology and innovation development, transfer, diffusion and commercialization; human resource development; strengthening STI ecosystem; industry linkages and human resource development and promotion of intellectual property rights.

This Implementation Plan is the process that will turn the objectives and measures of this Policy into actions that will enable the achievement of its goal. This plan will be subject to further development at key stages, to ensure it remains relevant to the changing environment that the Policy will operate in throughout the implementation period. The Implementation Plan will be updated after five years and notification will be sent to key stakeholders whenever the plan is revised.

The Implementation Plan outlines a clear linkage of the strategic objectives, measures, activities, and strategies, upon which the performance indicators are developed. The Achievement of these performance indicators will depend on effective implementation of the Plan and will ultimately result in the realization of the policy objectives.

The measures outlined in this implementation plan are linked to the following objectives of the policy:

1. To strengthen Scientific R&D capacity;
2. To strengthen Transfer, Commercialisation and Diffusion of Technology and Innovation;
3. To exploit Indigenous Knowledge for National Development;
4. To strengthen the human resource capacity in STI;
5. To strengthen STI infrastructure;
6. To enhance the popularisation of STI;
7. To enhance the integration and implementation of Artificial Intelligence;
8. To enhance the integration and implementation of Space Science;
9. To improve investment and funding in STI; and
10. To strengthen the policy, legal and institutional framework of the STI Ecosystem

IMPLEMENTATION PLAN MATRIX

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION				
Objective 1:	To strengthen R&D capacity		2025	2026	2027	2028	2029						
			a. Develop and operationalise the national research agenda	National research agenda developed	1	0	0			0	0	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/
				National research agenda operationalised	1	0	0			0	0	2,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
			b. Develop guidelines on R&D output beneficiation	Guidelines in place	0	1	0			0	0	500	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/ MFL/Private Sector/
				c. Establish and update a database for research and development	Number of databases established	1	0			0	0	0	500
			Number of databases updated		0	1	1			1	1	500	MoTS/ NSTC/ Infratel
			d. Develop frameworks for open access and data sharing in STI	Number of frameworks developed	0	1	0			0	0	800	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/ MFL/Private Sector/
e. Establish institutional intellectual property protection mechanisms	Number of mechanisms established	0	1	0	0	0	500	MoTS/MCTI/NSTC/PA CRA					

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Enhance local and international linkages in STI	a. Establish linkages among R&D Institutions, academia and CSOs in STI	Number of bilateral and multilateral MoUs signed.	5	5	5	5	5	400	MoTS/ NTBC/ NSTC/ R&D Institutions/ Academia/Industry/ Lin e Ministries
	b. Facilitate participation in joint research and exchange programmes	Number of joint research projects undertaken		5	5	5	5	1,000	MoTS/ NTBC/ NSTC/ R&D Institutions/ Academia/Industry/ Lin e Ministries
		Number of exchange programmes undertaken		5	5	5	5	800	MoTS/ NTBC/ NSTC/ R&D Institutions/ Academia/Industry/ Lin e Ministries
3. Strengthen scientific research ethics in STI;	a. Establish National harmonised scientific research ethics regulations	Number of harmonised national scientific research ethics regulations developed	0	1	0	0	0	800	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/ MFL/Private Sector/
	b. Establish National and Institutional scientific research ethics committees	Number of institutional scientific research ethics committees established	0	0	4	4	4	1,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		Number of National Scientific research ethics	0	0	1	0	0	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
4. Promote inclusivity in STI		committees established							Cooperation Partners
	c. Develop national scientific research ethics regulations	Number of research ethics regulations developed	0	0	1	0	0	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	a. Identify female mentors in STI	Number of female STI mentors Identified	0	10	10	10	10	2,500	MoTS/MoE/ NSTC/CPs
	b. Develop a framework for mentorship programmes for underrepresented groups	Number of frameworks developed	0	1	0	0	0	800	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/ MFL/Private Sector/
	c. Conduct Sensitisation activities to marginalised groups on available opportunities in STI	number of sensitisation programmes conducted	2	2	2	2	2	2,500	MoTS/MoE/ NSTC
	d. Provide a quota of scholarships to marginalised groups	% quota of Scholarship awarded to females % quota of Scholarship awarded to the disabled	50	50	50	50	50	11,250	MoTS/MoE/ NSTC
			10	10	10	10	10	3,000	MoTS/MoE/ NSTC

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
		s	30	30	30	30	30	5,000	MoTS/MoE/ NSTC
	e. Provide appropriate STI facilities for persons with disabilities	Number of STI Facilities provided	2	2	2	2	2	5,000	MoTS/MoFAIC/ NSTC/R&D Institutions/Academia
	f. Develop a framework to provide facilities for persons with disabilities in STI	Framework to provide for facilities in place	0	1	0	0	0	1,000	MoTS/MoFAIC/ NSTC/R&D Institutions/Academia
Objective 2: To strengthen Transfer, Commercialisation and Diffusion of Technologies and Innovations									
1. Promote the development, transfer and diffusion of technology and innovation	a. Develop and operationalise a National strategy on technology and innovation development, transfer and diffusion	National strategy on technology and innovation development, transfer and diffusion developed	1	0	0	0	0	500	MoTS/ NTBC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		National strategy on technology and innovation development, transfer and diffusion operationalised	0	1	0	0	0	2,000	MoTS/ NTBC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Establish incubation	Number of	1	1	1	1	1	10,000	MoTS/ NSTC/

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
	and innovation centres	incubation centres established							ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		Number of innovation hubs	1	1	1	1	1	5,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		Number of science and technology parks established	0	0	0	0	1	50,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		Number of Fablabs established	0	0	0	1	1	20,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
c. Establish linkages on Technology Transfer and diffusion		Number of bilateral and multilateral MoUs signed.	5	5	5	5	5	400	MoTS/ NTBC/ NSTC/ R&D Institutions/ Academia/Industry/ Lir e Ministries
d. Develop Strategies on specialised technologies		Number of technology strategies developed	1	1	1	1	1	5,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Promote the commercialisation of technologies and innovations	e. Establish technology transfer offices	Number of technology strategies developed	1	1	1	1	1	5,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	a. Develop Guidelines for commercialization of technology and innovations	Number of Guidelines for commercialization of technology and innovations developed	4	4	4	4	4	2,000	MoTS/NTBC/NSTC/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Create awareness on procedure for IPR	Number of awareness programmes undertaken	0	1	0	0	0	500	MoTS/NTBC/NSTC/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Provide incentives for local researchers and innovators to register IPs	Number of incentives provided	0	1	0	1	0	100	MoTS/NTBC/NSTC/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
3. Promote the development of enterprises using outputs of science,	a. Establish a national database for startups	National database for startups developed	0	1	0	0	0	500	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
technology and innovation activities	b. Establish intellectual property protection mechanism	Intellectual property protection mechanism in place	0	1	0	0	0	500	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
Objective3: To exploit Indigenous Knowledge for National Development									
1. Promote the protection, conservation and preservation of Indigenous Knowledge Systems	a. Develop a strategy on IK	Strategy on IK developed	0	1	0	0	0	2,000	MoTS/NISIR/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Establish an inventory of Indigenous Knowledge	IK Inventory developed	0	0	1	0	0	500	MoTS/NISIR/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Develop a legal framework on the utilisation and beneficiation of IKS	Legal framework developed	0	1	0	0	0	2,000	MoTS/NISIR/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	d. Conduct sensitization and awareness programs on IKS	Number of sensitization and awareness programs conducted	4	4	4	4	4	2,000	MoTS/NISIR/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Promote research in IKS	a. Develop appropriately equipped infrastructure for research in IKS	Number of IKS appropriate equipped laboratories developed	0	0	1	1	1	10,000	MoTS/NISIR/NSTC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Create incentives for researchers in IKS	Number of incentives created	0	0	1	0	0	100	MoTS/NISIR/NSTC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Create partnerships in IKS	Number of partnerships established	0	1	1	1	1	100	MoTS/NISIR/NSTC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
3. Promote the commercialization of indigenous products and services	a. Establish incubation and innovation centres for IKS	Number of IKS incubation/innovation centres established	0	0	1	0	1	800	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
		Number of innovation hubs	1	1	1	1	1	5,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
		Number of services developed under PPP in IKS	0	0	0	1	1	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
4. Promote the teaching and learning of IKS	a. Review existing curricula to incorporate indigenous knowledge at all levels of education	Number of curricula revised	50	50	50	50	50	2,000	MoTS/NISIR/NSTC/MoE/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Hold IKS fairs and exhibitions	Number of IKS fairs and exhibitions held	0	1	1	1	1	500	MoTS/NISIR/NSTC/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
5. Promote local and International collaboration in IKS	a. Develop and sign local and International MoUs and agreements in research and development on IKS	Number of MOUs and agreements in research and development on IKS signed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Develop and implement local and international exchange programmes on research and development in IKS	Number of local and international exchange programmes on research and development in IKS developed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION	
			2025	2026	2027	2028	2029			
Objective 4	To enhance the Integration and Implementation of Artificial Intelligence									
1. Promote the ethical use and application of AI	a. Develop a National strategy on AI	National Artificial Intelligence Strategy developed	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners	
	b. Develop a coordination and regulatory framework for AI	Coordination and Regulatory framework for AI developed	0	1	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners	
	c. Develop ethical guidelines for AI	AI Ethical Guidelines developed	0	1	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners	
2. Promote capacity development for AI	a. Establish AI education programs	Education programme in place	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners	
	b. Develop plan for awareness creation on AI	National plan on AI awareness developed	0	1	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/ Cooperation Partners	
	c. Develop infrastructure an	Infrastructure development programme in	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Cooperation	

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
	development plan for AI	place							Partners
3. Promote R&D in AI	Provide incentives for researchers and innovators in AI	Number of incentives provided	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
4. Promote access to information on AI	Develop frameworks for open access and data sharing on AI	Number of frameworks developed	0	1	0	0	0	800	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/MoHA/Private Sector/
5. Promote local and international collaborations in the development of AI	a. Develop and sign local and International MoUs and agreements in research and development on AI	Number of MOUs and agreements in research and development on AI signed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	b. Develop and implement local and international exchange programmes on research and development in AI	Number of local and international exchange programmes on research and development in AI developed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
To enhance the integration and implementation of Space Science and Technology									
1. Strengthen the application and utilisation of	a. Develop a National Space Science Strategy	National Space Science Strategy developed	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
Space Science and Technology									Sector/ Cooperation Partners
	b. Develop a coordination and regulatory framework for space science	Coordination and Regulatory framework for space science developed	0	1	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
2. Promote R&D in Space Science and Technology	Provide incentives for researchers and innovators in Space Science and Technology	Number of incentives provided	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
3. Promote capacity development for Space Science and Technology	a. Establish Space Science and Technology education programs	Education programme in place	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Establish infrastructure for satellite development and deployment	Number of Satellite Infrastructure constructed	1	0	1	0	1	200,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Develop an infrastructure development plan for Space Science and Technology	Infrastructure development programme in place	1	0	0	0	0	2,000	MoTS/NRSC/NSTC/ Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
4. Promote access to Space	Develop frameworks for open access and	Number of frameworks	0	1	0	0	0	800	MoTS/ NSTC/ ZaAS/MoH/MoA/ EIZ/

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
Science information	data sharing on space Technology	developed							MFL/Private Sector/
5. Promote local and international collaborations in the development of space technology	a. Develop and sign local and International MoUs and agreements in research and development on space technology	Number of MOUs and agreements in research and development on space technology signed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Develop and implement local and international exchange programmes on research and development in space technology	Number of local and international exchange programmes on research and development in space technology developed	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
Objective 6 To Strengthen the Human Resource Capacity in Science, Technology and Innovation									
1. Build and sustain of human resource capacities and capabilities	a. Undertake a gap analysis of the required expertise in STI	Gap analysis undertaken	0	1	0	0	0	2,000	MoTS/MoE/ NSTC/HEA/MoGE
	b. Develop a national strategy on human capital development in STI	National strategy on human capital in STI developed	0	1	0	0	0	1,000	MoTS/ MoE/ NSTC/HELSEB/MLGR D/MOFNP/MoH/
	c. Lobby for scholarships from	Number of scholarships	100	100	100	100	100	500	MoTS/NSTC/ HELSEB

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
utilisation of local and international STI experts in the diaspora	experts in the diaspora	experts in place							Institutions/Academia
	b. Establish an engagement and support mechanism of STI experts in the diaspora	Diaspora support and engagement mechanism developed	0	1	0	0	0	1,500	MoTS/MoFAIC/ NSTC/R&D Institutions/Academia
	c. Undertake joint research projects with research and development institutions and scientists in the Diaspora	Number of joint research and development activities undertaken	3	3	3	3	3	2,500	MoTS/MoE/ NSTC/MoGE
Objective 7: To Strengthen Science Technology and Innovation Infrastructure									
1. Develop and upgrade infrastructure for the undertaking of science, technology and Innovation	a. Conduct a national assessment of the existing STI infrastructure.	A national assessment of the existing STI infrastructure Conducted	1	0	0	0	0	1,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Construct and equip R&D facilities	Number of R&D facilities constructed and equipped	0	1	1	1	0	200,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Rehabilitate and re equip R&D facilities	Number of R&D facilities rehabilitated	2	2	5	2	2	100,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Strengthen the teaching and learning of STEM at all levels in the education system	cooperating partners to support strategic STI programmes	Awarded in Strategic STI areas							
	d. Provide support for post Graduate programs	Number of scholarships provided	50	50	50	50	50	25,000	MoTS/Private Sector/ Cooperation Partners
	e. Provide incentives for the retention of scientists	Number of incentives provided	0	1	0	1	0	100	MoTS/NTBC/NISIR/ PACRA/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	a. Establish a STEM mentorship and apprenticeship framework	STEM mentorship framework and apprenticeship in place	0	1	0	0	0	200	MoTS/MoE/ NSTC
	b. Create a science museum	Number of science museums in place	0	0	0	0	1	5,500	MoT/MoTS/MoE/ NSTC/R&D Institutions
3. Facilitate the	c. Create STI centres of excellence in education	Number of centres of excellence in place	0	0	1	0	1	6,000	MoT/MoTS/MoE/ NSTC/R&D Institutions
	d. Create a framework to promote science and technology education	Science education framework in place	0	0	1	0	0	2,000	MoT/MoTS/MoE/ NSTC/R&D Institutions
	a. Create a database of the relevant STI	Database of diaspora STI	1	0	0	0	0	5,000	MoTS/MoFAIC/ NSTC/R&D

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
	d. Construct and equip research laboratories for learning institutions	Number of R&D facilities equipped	2	2	5	2	2	20,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	e. Establish Centres of Excellence for Scientific and Technological research	Number of Centres of Excellence established	0	0	0	1	1	300,000	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	f. Develop guidelines on the procurement of Scientific R&D infrastructure, equipment and materials	Guidelines in place	1	0	0	0	0	500	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
2. Enhance collaborative linkages in STI infrastructure development;	a. Conduct a stakeholder mapping exercise in STI	Number of stakeholder mapping	1	0	0	0	0	250	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	b. Develop a framework for infrastructure sharing mechanism	Framework in place	1	0	0	0	0	500	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	c. Lobby for incentive to encourage private sector participation in enhancing STI infrastructure	Number of Incentives in place	2	2	2	2	2	3,500	MoTS/MIHUD/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
3. Ensure quality assurance in STI infrastructure development	a. Develop mechanisms for domestication and enforcement of International Standards.	Mechanisms for domestication and enforcement of International Standards developed	0	1	0	0	0	10,000	MoTS/MIHUD/ZABS/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	b. Conduct regular audits on STI infrastructure	Number of Audits Conducted	2	2	2	2	2	10,000	MoTS/MIHUD/ZABS/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	c. Conduct compliance inspections of R&D Institutions	Number of inspections conducted.	1	1	1	1	1	2,500	MoTS/MIHUD/ZABS/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
Objective 8	To Enhance the Popularisation of Science, Technology and Innovation								
1. Promote public awareness of science, technology and innovation.	a. Develop a Communication Strategy for STI	Communication strategy in place	1	0	0	0	0	800	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	b. Facilitate capacity building in science communication	Number of training in science communication supported annually	1	1	2	2	2	600	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Promote the publication of scientific and technological products	c. Establish effective Information, Education and Communication systems in STI	Information, Education and Communication systems in place	0	0	1	0	0	1,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	d. Develop an incentive mechanism for the media in STI reporting	mechanism for the media in STI reporting developed	1	0	0	0	0	600	MoTS/ NSTC
	a. Establish a mechanism for enhancing scientific journal writing among scientists	Mechanism in place	0	0	1	0	0	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	b. Establish professional societies in the STI sector;	Number of professional societies established	0	1	1	1	0	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	c. Hold national science fairs on STI to promote the culture of science, technology and innovation	Number of national science fairs conducted	1	1	1	1	1	5,000	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	d. Establish local Journal	Number of journals established	1	1	1	1	1	500	MoTS/ NSTC/ ZaAS/Line Ministries/Other Govt Inst/Private Sector/

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
3. Strengthen support systems for Science, Technology and Innovation Popularisation	a. Establish mentorship programmes for underrepresented groups	Mentorship programme in place	1	0	0	0	0	100	Cooperation Partners MoTS/MoFNP/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
Objective 9 To Improve Investment and Funding in Science, Technology and Innovation									
1. Enhance funding for R&D	a. Develop mechanism for tracking funding to R&D	Mechanism in place	0	1	0	0	0	500	MoTS/MoFNP
	b. Lobby for 1% of GDP to be allocated to Scientific R&D	Gross expenditure on Scientific R&D as a percentage of GDP	0.30	0.35	0.40	0.45	0.50	100	MoTS/MoFNP
	c. Establish a national research fund	National Research Fund established	0	0	1	0	0	300,000	MoTS/MoFNP/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	d. Establish Commercialisation Fund	National Research Fund established	0	0	1	0	0	100,000	MoTS/MoFNP/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners
	e. Establish a Venture Capital Fund	National Research Fund established	0	0	1	0	0	500	MoTS/MoFNP/Line Ministries/Other Govt Inst/Private Sector/ Cooperation Partners

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
2. Enhance resource mobilisation for STI	f. Develop a mechanism for administering the National Research Fund	Mechanism for administering the National Research Fund developed	0	1	0	0	0	2,000	MoTS/MoFNP/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	a. Establish bilateral and multilateral partnerships with cooperating partners to support STI	Number of bilateral and multilateral partnerships.	5	5	5	5	5	5,000	MoTS/MoFAIC/ R&D Institutions/Civil Society/Cooperation Partners
	b. Establish partnership with private sector to support STI	Number of private sector partnerships.	5	5	5	5	5	1,000	MoTS/ NTBC/ NSTC/ R&D Institutions/ Academia/Industry/
3. Increase Investment on STI	a. Create incentives for private sector investment in R&D	Number of private sector institutions investing in R&D	5	5	5	5	5	5,000	MoTS/MoFAIC/ R&D Institutions/Civil Society/Cooperation Partners
		Number of private entities digitalizing and preserving traditional knowledge	5	5	5	5	5	5,000	MoTS/MoFAIC/ R&D Institutions/Civil Society/Cooperation Partners
s	To Strengthen the Policy, Legal, Institution and Operational Framework of Science, Technology and Innovation Ecosystem								

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
1. Strengthen the existing legal, governance and institutional frameworks;	a. Conduct a comprehensive review of the S&T Act	Number of Revised S&T Act in place	1	0	0	0	0	2,000	MoTS/MoJ/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
	b. Conduct a comprehensive review of the related legislation.	Number of Related legislation revised	0	1	0	0	0	2,000	MoTS/MoJ/Line Ministries/Other Govt Inst/Private Sector/Cooperation Partners
2. Strengthen the coordination and implementation mechanisms of the STI Policy	Establish a functional national institutional framework for STI	Functional national institutional framework in place	0	0	1	0	0	20,800	MoTS/MoFNP/Line Ministries/Other Govt Inst/
3. Enhance monitoring, evaluation and review of the STI Policy	a. Establish a mechanism for policy M&E	M&E mechanism in place	0	1	0	0	0	500	MoTS/MoFNP/Line Ministries/Other Govt Inst/
	b. Conduct strategic research on issues of science and technology to support review of policy and legal framework	Number of research activities undertaken	1	1	1	1	1	1,000	MoTS/MoFNP/Line Ministries/Other Govt Inst/
	c. Establish a statistical system for collection of data on STI	Statistical system in place	1	0	0	0	0	500	MoTS/MoFNP/Line Ministries/Other Govt Inst/

POLICY MEASURE	ACTIVITIES	INDICATORS	IMPLEMENTATION PLAN					BUDGET (K'000)	IMPLEMENTING INSTITUTION
			2025	2026	2027	2028	2029		
4. Enhance linkages for STI at both local and international levels	a. Establish a mechanism to facilitate linkages between local institutions	Number of Local linkage Mechanism in place	0	1	0	0	0	300	MoTS/MoFNP/Line Ministries/Other Govt Inst/
	b. Establish a mechanism to facilitate linkages between local institutions and international institutions.	Number of agreements/MoUs in place	0	1	0	1	1	250	MoTS/MoFNP/Line Ministries/Other Govt Inst/
	c. Establishan STI development cø operation framework		2	2	2	2	2	750	MoTS/ MoA/ MoH/ MoENR/ MoE/ NSTC/NISIR
TOTAL								1,546,700.00	

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