



REPUBLIC OF GHANA

**MINISTRY OF ENVIRONMENT, SCIENCE AND
TECHNOLOGY (MEST)**

**SECTOR MEDIUM-TERM DEVELOPMENT PLAN
2026 – 2029**

THEME:

**RESETTING GHANA AGENDA: CREATING JOBS,
ENSURING ACCOUNTABILITY, AND PROMOTING
SHARED PROSPERITY**

JUNE 2025

FORWARD

The Ministry of Environment, Science and Technology (MEST) presents its 2026–2029 Sector Medium-Term Development Plan (SMTDP), a strategic blueprint designed to guide the Ministry and its Agencies in delivering on Ghana’s green transformation agenda. This Plan aligns with national development priorities, the Coordinated Programme of Economic and Social Development Policies (CPESDP), and the Sustainable Development Goals (SDGs). It also reflects the bold vision of the current government’s ambition to advance environmental sustainability, climate resilience, science-driven innovation, and inclusive green growth.

In an era marked by global climate uncertainty, environmental degradation, technological disruption, and youth unemployment, this Plan signals the Government’s renewed commitment to action. It outlines pragmatic programmes such as the “One Child, One Tree” and Landscape Restoration Programme, the Nationally Determined Contribution, the National Adaptation Framework and Plans, the Low Carbon Development Strategy, the National Plastic Management Policy and Implementation Plan, and the Transition to a Circular Economy Framework, all of which demonstrate the Ministry’s resolve to build climate-resilient ecosystems and sustainable urban environments.

In the field of science, technology and innovation, this Plan places a strong emphasis on scaling applied research and transforming innovation into enterprise. Strategic initiatives like the Technology Commercialization and Innovation Centres (TCIH), the Science, Technology and Innovation Policy and the Ghana Space Policy will support the next generation of scientists, technology entrepreneurs, and climate innovators. We also commit to operationalising the Ghana Space Data for Development (G-SPaD) to harness satellite technologies for natural resource management and disaster preparedness.

This plan is not only forward-looking but also people-centred. It emphasises inclusive youth participation through programmes such as “One Child, One Tree”, and supports community-driven reforestation, green jobs, and public education. The Ministry will strengthen monitoring systems and introduce digital tools to ensure transparency and impact in project delivery.

MEST’s 2026–2029 SMTDP represents more than just a planning document, it is a transformational agenda that positions the Ministry at the heart of Ghana’s environmental and technological renaissance. We invite all stakeholders, partners, civil society, academia, and the private sector to collaborate with the Ministry in delivering on this bold vision.

Together, let us rethink, repurpose, and restore towards a cleaner, greener, and more resilient Ghana.

Hon. Emmanuel Armah-Kofi Buah (MP)

Ag. Minister for Environment, Science and Technology
Republic of Ghana

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ABBREVIATIONS

ABIWSI	African Beverages Industries Water Savings Initiative
ACMD	African Cassava Mosaic Disease
AMA	Accra Metropolitan Assembly
APC	Appointments and Promotions Committee
ARI	Animal Research Institute
ARIBRO	Animal Research Broiler
ARIC	Audit Report Implementation Committee Association
BURs	Biannual Update Reports
CSOs	Civil Society Organizations
DMTDPs	District Medium Term Development Plans
DP	Development Partners
DTM	Drought Tolerant Maize in Africa
EESSD	Environmental Education Strategy for Sustainable Development
EPA	Environmental Protection Authority
ETC	Entity Tender Committee
F&A	Finance and Administration Directorate
FC	Finance Committee
FDA	Food and Drugs Authority
FORIG	Forestry Research Institute of Ghana
FRI	Food Research Institute
GAEC	Ghana Atomic Energy Commission
GEF	Global Environment Facility
GEMP	Ghana Environmental Management Programme
GHG	Green House Gas
GI WACAF	Global Initiative for Western, Central and Southern Africa
GMOs	Genetically Modified Organisms
GoG	Government of Ghana
GSA	Ghana Standards Authority

GSSTI	Ghana Space Science Technology Institute
HRD	Human Resource Directorate
IAEA	International Atomic Energy Agency
IAW	Invasive Aquatic Weeds
IBCs	Institutional Biosafety Committees
IBD	Infectious Bursal Disease
IGF	Internally Generated Funds
IIR	Institute of Industrial Research
INDCs	Intended Nationally Determined Contributions
IPC	Institute Promotion Committee
IPIECA	International Petroleum Institution of Environmental Conservation
IPM	Integrated Pest Management
ISTF	Institute for Scientific and Technological Information
ITOPF	International Tanker Owners Pollution Federation
ITOPF	Tanker Owners Pollution Federation
KMA	Kumasi Metropolitan Assembly
KNNRI	Kwame Nkrumah Nuclear Research Institute
LEAP	Long-range Energy Alternatives Planning system
LUPMIS	Land Use Planning and Management Information System
LUSPA	Land Use and Spatial Planning Authority
MASTESS	Mathematics, Science and Technology Scholarship Scheme
MDA	Ministries, Departments and Agencies
MDS	Multi-Donor Secretariat
MEST	Ministry of Environment, Science and Technology
MESTI	Ministry of Environment, Science, Technology and Innovation
MMDAs	Metropolitan, Municipal and District Assemblies
MODS	Management of Ozone Depleting Substances
MOFA	Ministry of Food and Agriculture
MoU	Memorandum of Understanding

NAB	National Accreditation Board
NADMO	National Disaster Management Organization
NAP	National Action Plan
NARP	National Agricultural Research Project
NARP	National Agricultural Research Project
NBA	National Biosafety Authority
NBSAP	National Biodiversity Strategy and Action Plan
NDC	National Data Centre
NDCs	Nationally Determined Contributions
NDPC	National Development Planning Commission
NDT	Non-Destructive Testing
NGOs	Non-Governmental Organisations
NNRI	National Nuclear Research Institute
NOSCP	National Oil Spill Contingency Plan
NPI	Nuclear Power Institute
NRA	Nuclear Regulatory Authority
NRC	National Research Council
NREG	Natural Resources and Environmental Governance
NSEZ	Northern Savannah Ecological Zone
NSZ	Northern Savannah Zone
ODS	Ozone Depleting Substances
OHCS	Office of the Head of Civil Service
OPRI	Oil Palm Research Institute
OWG	Open Working Group
PCBs	Project on Capacity Buildings
PGEC	Post Graduate Education Course
PGRRI	Plant Genetic Resources Research Institute
PM	Particulate Matter
PPMED	Policy, Planning, Monitoring and Evaluation Directorate

PPRSD	Plant Protection and Regulatory Services Division
PSC	Public Services Commission
PSDP	Private Sector Development Project
R&D	Research and Development
RAMSRI	Radiological and Medical Science Research Institute
RCC	Regional Coordinating Councils
RDC	Regional Designated Centre
RIB	Rigid Inflatable Boat
RPCU	Regional Planning Coordinating Unit
RPI	Radiation Protection Institute
RCC	Regional Coordinating Council
RSIM	Research, Statistics and Information Management Directorate
RSMS	Rural Sanitation Model and Strategy
RWHS	Rain Water Harvesting Systems
SANAS	South African National Accreditation System
SARI	Savannah Agricultural Research Institute
SCP	Sustainable Consumption and Production
SDF	Spatial Development Framework
SDGs	Sustainable Development Goals
SEA	Strategic Environmental Assessment
SFI	Sustainable Financing Initiative
SIT	Sterile Insect Technique
SKA	Square Kilometre Array
SM&E	Sector Monitoring and Evaluation
SMEs	Small and Medium Enterprises
SMTDP	Sector Medium Term Development Plan
SNAS	School of Nuclear and Allied Science
SRI	Soil Research Institute
SSFA	Small Scale Funding Agreement

STEPRI	Science and Technology Policy Research Institute
STI	Science, Technology and Innovation
TCPD	Town and Country Planning Department
TDTC	Technology Development and Transfer Centre
TNC	Third National Communication
ToR	Terms of Reference
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
USAID	United States Agency for International Development
WAPP	West Africa Agricultural Productivity Programme
WDCDD	World Day to Combat Desertification and Drought
WED	World Environment Day
WRI	Water Research Institute

EXECUTIVE SUMMARY

The 2026–2029 Sector Medium-Term Development Plan (SMTDP) of the Ministry of Environment, Science and Technology (MEST) outlines the strategic priorities, policies, programmes, and interventions that will guide the Ministry and its Agencies over the four-year planning period. The Plan was developed in line with the National Development Planning (Systems) Regulation, 2016 (L.I. 2232), and the Medium-Term National Development Policy Framework (MTNDPF), using the National Development Planning Commission’s (NDPC) Guidelines for Ministries, Departments and Agencies (MDAs).

The overarching vision of the Ministry is the “**Sustainable development of Environment, Science, and Technology for Ghana.**” To realise this, the Plan integrates the principles of sustainability, climate resilience, technological innovation, and environmental governance into all aspects of sectoral programming.

The SMTDP was prepared through a participatory and consultative process involving all Directorates and Agencies under MEST, with technical guidance from the NDPC. The process involved situation analysis, stakeholder consultations, needs assessments, strategy formulation, and validation. The Plan reflects national and global development aspirations including the Sustainable Development Goals (SDGs), the African Union (AU) Agenda 2063, and Ghana’s Coordinated Programme of Economic and Social Development Policies (CPESDP).

The Plan is structured into eight chapters:

- **Chapter One** presents the profile of the Ministry, its mandate, vision, mission, core values, functions, organizational structure, and agencies.
- **Chapter Two** provides a Situational Analysis, including performance review (2022–2025), financial performance, existing conditions, SWOT analysis, and a comprehensive needs assessment and projections.
- **Chapter Three** outlines the key development priorities derived from national policy objectives, sector performance gaps, and stakeholder consultations.
- **Chapter Four** details the development goals, policy objectives, and strategies adopted by the Ministry to address critical environmental, scientific, and technological challenges.
- **Chapter Five** outlines the Programme of Action (PoA), including costed development programmes, funding sources, implementation status, responsible institutions and Strategic Environmental Assessment (SEA).
- **Chapter Six** presents the Annual Action Plans (AAPs) from 2026 to 2029, showing planned projects, timelines, indicative budgets, implementing institutions and collaborators.
- **Chapter Seven** introduces the Monitoring and Evaluation (M&E) framework, outlining performance indicators, the role of stakeholders, a brief narrative on intended

evaluation(s) to be conducted over the plan period and knowledge management and learning framework.

- **Chapter Eight** defines the Development Communication Strategy, focusing on stakeholder engagement, public awareness, knowledge dissemination, and policy advocacy.

The SMTDP adopts a results-based approach and prioritizes the following development themes:

- Environmental sustainability and restoration
- Climate change adaptation and mitigation
- Circular economy and sustainable waste management
- Science, technology, and innovation integration
- Green jobs and youth empowerment
- Institutional capacity enhancement
- Policy coherence and financing reform

Fifteen policy objectives and sixty-eight strategic interventions were selected to drive transformation within the sector. Flagship initiatives on climate change including the Establishment of a Ghana Carbon Registry, Climate Prosperity Fund “One Child, One Tree”, the National Plastic Management Policy and Implementation Plan, the Transition to a Circular Economy Roadmap, the Science, Technology and Innovation policy, and the establishment of the Research and Innovation Commercialisation Hubs.

The successful implementation of this Plan will require coordinated efforts among Government institutions, the private sector, civil society, academia, and development partners. Through strong leadership, accountable governance, innovative financing, and citizen participation, MEST aims to lead Ghana’s transition to an inclusive, green, and research-driven knowledge-based economy .

This SMTDP represents the Ministry’s bold commitment to advancing sustainable development, enhancing environmental integrity, and mainstreaming science and technology for national transformation.

CHAPTER ONE

PROFILE OF THE SECTOR MINISTRY

1.0 Introduction

This chapter presents the profile of the Ministry of Environment, Science and Technology (MEST), detailing its legal foundation, vision, mission, values, organizational structure, and location, as outlined in the 2026–2029 Sector Medium-Term Development Plan. Originally established in 1993 in response to Agenda 21, the Ministry has undergone several restructurings, with changes to its name and functions involving shifts in the environment, science, and technology portfolios across various ministries. In 2025, it was restructured by Executive Instrument (E.I.) 1 into its current form. The Ministry is mandated by the 1992 Constitution and relevant legislation to develop and oversee policies and programmes in environment, science, and technology to support national development.

1.1 Vision

“Sustainable development of Environment, Science, and Technology for Ghana”.

1.2 Mission

The Ministry of Environment, Science and Technology (MEST) exists to promote sustainable environmental management and the adoption and application of science and technological innovations through the formulation of policies, monitoring and evaluation of the implementation of Sector plans, programmes and projects for national development.

1.3 Core Functions

The Ministry derives its mandate from the Civil Service Law 1993 (PNDC Law 327) and Executive Instrument (E.I.) 1 Civil Service (Ministries Instrument, 2025), which governs the establishment, operations, and internal structure of Government Ministries and Departments.

The Ministry has seven (7) core functions, listed as follows:

- **Provide leadership and guidance** for the Environment, Science, and Technology sector within the broader national economy through sound policy formulation and implementation.
- **Ensure the establishment of a regulatory framework and the setting of standards** to govern activities in science, technology, and environmental management for sustainable development.

- **Promote initiatives necessary to support the standards and policies** required for the planning and implementation of sound scientific and technological development.
- **Coordinate, supervise, monitor, and evaluate activities** in the fields of Environment, Science, and Technology while fulfilling national benefit-sharing commitments.
- **Analyse and coordinate all planned programmes and budgets** within the Environment, Science, and Technology sector of the economy to achieve a single, integrated management system.
- **Initiate, stimulate, and coordinate research activities**, including the continuous development and review of policies, laws, rules, and regulations in the Environment, Science, and Technology sector.
- **Ensure effective environmental management and governance** in accordance with the functions outlined in Ghana's Environmental Protection Act, 2025 (Act 1124), with the Environmental Protection Authority (EPA) as the main implementing agency and the Ministry playing an oversight, coordination, and facilitative role.

1.4 Core Values

The Ministry of Environment, Science, and Technology (MEST) uphold the following principles as its core values.

- **Client Satisfaction:** Provide reliable and timely services to our clients.
- **Teamwork:** By nurturing team spirit and collaboration, we create an enjoyable work environment aimed at achieving beneficial results.
- **Professionalism:** Act with integrity in providing effective, reliable, and quality services to clients.
- **Gender Equity:** Represent and respect all people without discrimination, regardless of their gender, race and background.
- **Integrity:** Honest, trustworthy, fair, and transparent in the performance of our functions and in dealing with our clients.

1.5 Policy Objectives

The overall objective of the Ministry of Environment, Science and Technology is to ensure accelerated socio-economic development of the nation through the formulation of sound policies and a regulatory framework to promote the use of appropriate environmentally friendly scientific and technological practices and techniques.

Fourteen (14) policy objectives were adopted from the National Medium-Term Development Policy Framework (NMTDPF 2026-2029) as follows:

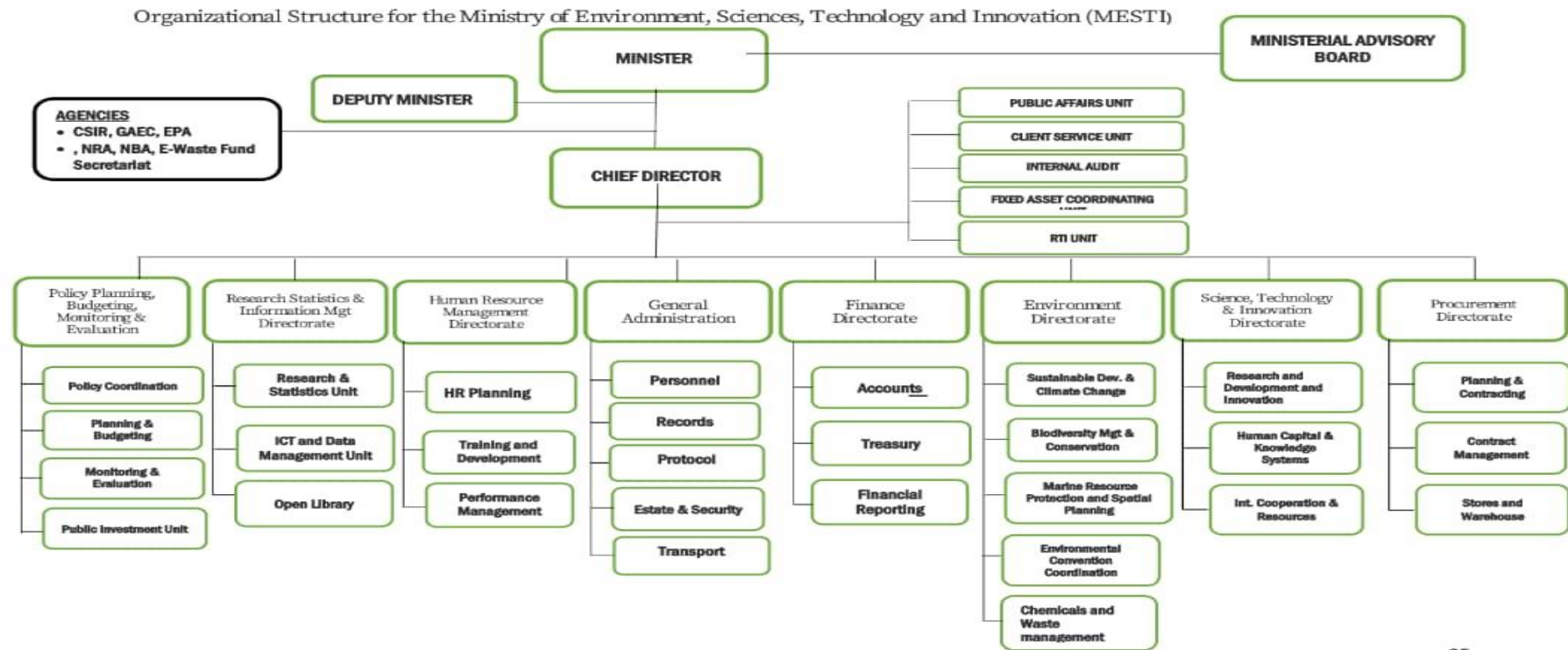
- Enhance environmental protection services.
- Improve forests and protected areas.

- Enhance institutional capacity and coordination for effective climate action.
- Enhance climate change resilience.
- Reduce greenhouse gases.
- Reduce Environmental Pollution.
- Reduce coastal and marine erosion.
- Minimize the potential environmental impact of the oil and gas industry.
- Promote sustainable extraction of mineral resources.
- Combat deforestation, desertification, and soil erosion.
- Mainstream science, technology, and innovation in all socio-economic activities.
- Ensure the availability of clean, affordable, and accessible energy.
- Improve research and development (R&D), innovation, and sustainable financing for industrial development.
- Enhance the application of science, technology and innovation.

1.6 Organizational Structure

Below is the organizational structure of the Ministry of Environment, Science and Technology (MEST).

Figure 1: Organizational Structure for the Ministry of Environmental, Science and Technology and Innovations (MESTI)



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1.7 How the Ministry is organized as shown in the above organogram

The Ministry of Environment, Science and Technology (MEST) is led by both Political and Bureaucratic Heads. It has key Agencies such as the Council for Scientific and Industrial Research (CSIR), the Ghana Atomic Energy Commission (GAEC), the Environmental Protection Authority (EPA), the Nuclear Regulatory Authority (NRA), the National Biosafety Authority (NBA) and the E-Waste Fund Secretariat.

Adhering to the Civil Service Act, the Ministry has eight (8) Directorates, namely: General Administration (GA), Policy, Planning, Monitoring and Evaluation (PPME), Human Resource Management and Development (HRMD), Research Statistics & Information Management (RSIM), Environment Directorate (ED), Science, Technology and Innovation Directorate (ST&ID), Procurement and Supply Chain Directorate (PSCD) and Finance Directorate (FD).

1.8 List of Sector Agencies

The Ministry of Environment, Science and Technology has oversight responsibility over the following Agencies:

- The Council for Scientific and Industrial Research (CSIR),
- Ghana Atomic Energy Commission (GAEC),
- Environmental Protection Authority (EPA),
- The National Biosafety Authority (NBA),
- The Nuclear Regulatory Authority (NRA) and
- The Electronic and Electrical Waste Management Fund (EEWMF) E-Waste Fund Secretariat

1.8.1 Council for Scientific and Industrial Research (CSIR)

a. Establishment

The Council for Scientific and Industrial Research (CSIR) was officially established in its current form by Act 521 in 1996, with origins dating back to the National Research Council (NRC) formed in 1958. After various restructurings, including a merger with the Ghana Academy of Sciences in 1963, CSIR emerged as a distinct national research body. The 1996 Act emphasized private sector engagement and introduced commercialisation of research, marking a shift toward market-oriented operations.

a. Mission

CSIR seeks to become the force for accelerated social and economic development in Ghana by examining, exploring, and creating science and technology catalysts for public and private wealth creation. The goal of CSIR is to ultimately develop capacities for contributing to industrial and agricultural productivity and food security, as well as expand opportunities for productive employment, community renewal, environmental conservation, income generation, and poverty reduction for national development.

b. Functions

The core functions of CSIR are among others, to:

1. Pursue the implementation of government policies on scientific research and development;

2. Advise the sector minister on scientific and technological advances likely to be of importance to national development.
3. Encourage coordinated employment of scientific research for the management, utilisation, and conservation of the natural resources of Ghana in the interest of development.
4. Encourage in the national interest, scientific and industrial research of importance for the development of agriculture, health, medicine, environment, technology, and other service Sectors and, to this end, encourage close linkages with the productive sectors of the economy; and
5. Commercialise appropriate technology in partnership with the private sector and other stakeholders.

The Council for Scientific and Industrial Research (CSIR) oversee 13 specialized research institutes that support key sectors of Ghana's economy. Each institute has a specific mandate focused on developing technologies, conducting applied research, and providing policy and technical support. Their areas of focus include:

- **Agriculture and Livestock:** Institutes such as CSIR-ARI, CRI, SARI, OPRI, and PGRRI focus on livestock, crop improvement, oil palm, coconut, and genetic resource conservation.
- **Food and Industry:** CSIR-FRI and IIR address food processing, preservation, and industrial product development.
- **Infrastructure and Environment:** CSIR-BRRI, SRI, FORIG, and WRI concentrate on sustainable construction, soil, forestry, and water resource management.
- **Policy and Information:** CSIR-INSTI and STEPRI deliver scientific information and support science and technology policy development.

1.8.2 Ghana Atomic Energy Commission (GAEC)

a. Establishment

The Ghana Atomic Energy Commission (GAEC) was established by Act 204 in 1963 as the sole agency responsible for peaceful applications of atomic energy in Ghana. In 1993, PNDC Law 308 amended the Act to allow the creation of additional institutes, leading to the establishment of the Radiation Protection Institute and the Biotechnology and Nuclear Agriculture Research Institute (BNARI), alongside the National Nuclear Research Institute (NNRI). In 2000, Act 588 replaced the original law, empowering GAEC to commercialise its research and development outcomes.

b. Mission

To develop and promote the use of nuclear, biotechnology, and related technologies for socio-economic development through research, training, and commercialisation. It also advises the government on peaceful applications of these technologies. To achieve this, GAEC collaborates with national and international partners to enhance nuclear safety, security, and

environmental protection, while building capacity for introducing nuclear power into Ghana's energy mix.

c. Functions

The functions of the Commission as prescribed in Act 588 of 2000 are:

1. To make proposals to the Government for Legislation in the field of nuclear radiation and radioactive waste management.
2. To advise the Government on questions relating to nuclear energy, science and technology.
3. To establish, for the purpose of research and in furtherance of its functions, Institutes of the Commission and to exercise control over the boards of management of the Institute.
4. To encourage and promote the commercialisation of research and development results through its Institutes.
5. To supervise the carrying out of all requirements designed to secure the safety and health of radiation workers and the environment.
6. To engage in research and development activities, as well as in the publication and dissemination of research findings and other useful technical information.
7. To oversee and facilitate the development of human resources in the fields of nuclear science and technology, and to promote the training of scientific, technical and non-scientific personnel of the Commission.
8. To maintain relations with the International Atomic Energy Agency and other similar international and national organisations on matters of research and development of nuclear energy and nuclear technology.
9. To collaborate with Universities and Research Institutes for the purpose of conducting research into matters connected with the peaceful uses of nuclear energy and technology.

d. Organisation

GAEC conducts research and development programmes focused on promoting nuclear and space science technologies across various sectors of the economy. These activities are implemented through seven research institutes and the Graduate School of Nuclear and Allied Sciences (SNAS), with an emphasis on commercialisation and collaboration with the private sector and stakeholders to support national development. All institutes are based at Kwabenya and operate decentralised laboratories.:

1. ***The National Nuclear Research Institute (NNRI)*** was established to promote and strengthen Nuclear Science and technology research, and training for the socio-economic development of Ghana.
2. ***The Radiation Protection Institute (RPI)*** was established to provide an effective national regulatory framework for the protection of people, property, and environment, safety and security of radioactive materials and nuclear installations.
3. ***The Biotechnology and Nuclear Agriculture Research Institute (BNARI)*** was established to research, develop, and implement activities on safe applications of biotechnology and nuclear agriculture and transfer these technologies to end-users to enhance agricultural productivity, health delivery, and industrialisation.

4. ***The Radiological and Medical Science Research Institute (RAMSRI)*** was established to carry out medical research, applying nuclear techniques to promote human health and nutrition. Some of their activities are to:
 - a. Provide research-based technical advice for cancer management and treatment studies to improve complication-free survival rates after radiotherapy.
 - b. The institute is currently sourcing funds to construct a nuclear and medical imaging centre to research the treatment of various forms of cancer. If established, this centre will support most of the health facilities across the country and the sub-region.
5. ***The School of Nuclear and Allied Science (SNAS)*** was established to collaborate with the University of Ghana to train Nuclear Scientists to sustain skills in science in Nuclear Technology for the sub-region. The University also collaborates with the International Atomic Energy Agency (IAEA) to run a Post Graduate Education Course (PGEC) in Radiation Protection organised for radiological professionals in the subregion.
6. The ***Ghana Space Science Technology Institute (GSSTI)*** was first established as a Centre under the School of Nuclear and Allied Sciences (SNAS) in January 2011 and launched in May 2012. It was later upgraded to an Institute in August 2013 to exploit space science and technology for the socio-economic development of the country. The Institute is a state institution mandated to coordinate all space science and technology-related programmes and activities in Ghana. GSSTI is re-packaging the existing national capacities, competencies, experiences, and expertise in space science and related fields to find possible space technology solutions to Ghana's problems.
7. ***The Nuclear Power Institute (NPI)*** was established in 2015 to research and facilitate issues relating to nuclear power. The institute takes over the organisation of workshops and studies that will lead to the introduction of nuclear power into the country's energy mix after 2020.

1.8.3 Environmental Protection Authority (EPA)

a. Establishment

Established on 30th December 1994 through an Act of Parliament (EPA Act 1994 Act 490) amended by the Environmental Protection Act 2025 (Act 1124) to regulate environmental matters and implement environmental policy objectives of the nation. The Authority serves as an implementing entity, a regulatory authority, and a driving force for fostering positive change in promoting responsible environmental management.

b. Mission

The Mission of the Authority is to co-manage, protect and enhance the country's environment in particular, as well as seek common solutions to global environmental problems.

The mission is to be achieved through an integrated environmental planning and management system established on broad public participation, efficient implementation of appropriate programmes and technical services, good council on environmental problems, and effective and consistent enforcement of environmental laws and regulations.

c. Functions

The core functions of the EPA include:

1. Coordinate the activities of bodies concerned with aspects of the environment;

2. Collaborate with national, foreign and international agencies relevant for the Environmental Protection Act.
3. Issue environmental permits and notices;
4. Prescribe relevant standards and guidelines;
5. Ensure compliance with the EPA act and with environmental impact assessment procedure;
6. Conduct investigations into environmental issues and advise the Minister;
7. Promote relevant studies, research, surveys and analyses;
8. Initiate and pursue education for public awareness on the environment;
9. Develop a comprehensive database on the environment;
10. Conduct training programmes and publish information on the environment; and
11. Impose and collect environmental protection levies.

d. Organisation

The Environmental Protection Authority (EPA), one of six agencies under MESTI, works to promote sustainable development and poverty reduction through improved use of natural resources and ecosystem services. It enforces Act 490 and related regulations to mitigate environmental degradation and restore damaged resources. EPA operates under a functional structure led by a Governing Board, a Chief Executive Officer, and three Deputy Chief Executive Officers, with seven divisions, 19 departments, and regional and area offices. Its operations are divided into regional staff, programme-based departments handling statutory functions, and administrative departments providing internal support.

1.8.4 National Biosafety Authority (NBA)

a. Establishment

The Biosafety Act, 2011 (Act 831) established the National Biosafety Authority (NBA) to oversee applications related to biotechnology, manage related data, and coordinate with national and international bodies. The NBA also promotes public awareness and education on biosafety issues. Through its Biotechnology Development Programme, the Authority ensures the safe handling, transfer, and use of genetically modified organisms to protect human health and the environment.

b. Mission

The NBA is dedicated to promoting sustainable socio-economic development through efficient and transparent regulation of Genetically Modified Organisms (GMOs).

c. Functions

The NBA is responsible for:

1. Receiving, processing, responding to and to make decisions on biosafety applications;
2. Establishing administrative mechanisms to ensure the appropriate handling and storing of documents and data in connection with the processing of applications and any other matters;
3. Acting as the national focal point responsible for liaising with any other agency or international organisations concerned with biotechnology and biosafety; and
4. Promoting public awareness, participation and education concerning the activities of the Authority.

d. Organisation

The Biosafety Act requires the National Biosafety Authority (NBA) to coordinate with various regulatory agencies to ensure integrated regulation of biotechnology and its products. The NBA works with Institutional Biosafety Committees in research institutions and is supported by a Technical Advisory Committee for risk assessment and scientific advice. An Appeals Tribunal addresses disputes related to the Act. The NBA is led by a Chief Executive Officer (CEO).

1.8.5 Nuclear Regulatory Authority (NRA)

a. Establishment

NRA ACT 895, 2015 established the Nuclear Regulatory Authority; to provide for the regulation and management of activities and practices for the peaceful use of nuclear material or energy, radioactive material or radiation; to provide for the protection of persons and the environment against the harmful effects of radiation hazards; to ensure the effective implementation of the country's international obligations and for related matters. The NRA was setup in 2016.

b. Mission

The Mission of the NRA is to ensure the protection of humans and the environment from the harmful effects of radiation.

c. Functions

The functions of the NRA as spelt out in the NRA Act 895, are as follows:

1. Facilitate the development of national policies on the regulation and management of activities and practices with respect to:
 - a. Nuclear safety and research
 - b. Security of nuclear and radioactive materials
 - c. Radiation
 - d. Implementation of safeguards specified under the Act.
2. Regulate the introduction of radiation sources, nuclear materials, equipment or practices that expose workers, patients, the public and the environment to radiation.
3. Issue, modify, suspend, or revoke authorisation and determine conditions for authorisation.
4. Regulate research on radiation, nuclear safety, security, and radioactive waste matters.
5. Regulate the use of radioactive materials in the exploration, exploitation and extraction of oil and gas, and the mining and milling of radioactive ores and other ores associated with radioactive and nuclear materials.
6. Define the detailed obligations to be placed on persons who possess radiation sources and nuclear materials, including financial conditions.
7. Establish and maintain a national register of radiation sources and of persons authorised to carry out any activity or practice related to a source of radiation.
8. Collect information, documents, and views from private and public organisations or persons as necessary and appropriate for the discharge of its functions.
9. Collaborate with agencies responsible for emergencies to establish plans and procedures for coping with any radiological emergency and abnormal occurrence involving nuclear material, radiation source or any other radioactive source.
10. Ensure that the operators provide training, information, and guidance on nuclear safety, security, safeguards, and radiation protection for the public.
11. Educate the public on nuclear and radiation matters.
12. Establish regional and other offices as it may be considered necessary for properly performing its functions.

13. Facilitate the conduct of inspections by designated inspectors of the International Atomic Energy Agency to verify design information, inspections and complementary access as provided for in the safeguard agreement and the additional protocols.
14. Collect, collate and provide information to the International Atomic Energy Agency in accordance with the safeguard agreement and any additional protocols to the agreement.
15. Exchange information and cooperate with regulatory authorities of other countries and relevant international organisations on matters of nuclear safety, nuclear security and safeguards.
16. Collaborate with the Environmental Protection Authority to identify activities and practices that may require Environmental Impact Assessment and develop environmental guidelines for those activities and practices.
17. Ensure that the polluter pays principle is applied in the management of nuclear and radioactive waste in the country.
18. Review nuclear safety assessment and safety analysis reports from authorised persons; and
19. Perform other functions that may be assigned to the authority under any other enactment.

d. Organisation

The Director-General is responsible for the day-to-day administration of the Authority's affairs and is answerable to the Board in performing functions under the Act. The Director-General shall perform other functions determined by the Board. The Director-General is assisted by Deputy Directors-General.

1.8.6 E- Waste Fund Secretariat

a. Establishment

The Electrical and Electronic Waste Management Fund (EEWMF), established in 2019 under the Hazardous and Electronic Waste Control and Management Act (Act 917), provides funding to manage electronic waste safely. It is financed by an Advanced Eco Levy on producers and importers of electrical and electronic equipment, aiming to reduce the environmental and health impacts of e-waste in Ghana.

c. Mission

To be the trusted financing organisation sustainably managing e-waste.

d. Functions

The E-Waste Fund Secretariat undertakes the following functions:

- Provides support for the construction and maintenance of electrical and electronic waste recycling or treatment plants
- Supports research into methods of electrical and electronic waste preservation, prevention, and control
- Conducts research into electrical and electronic waste treatment and recycling and publication reports

- Educates the public on the safe disposal of electrical and electronic waste and the negative effects of electronic waste
- Offers incentives for the collection, transportation, and disposal of electrical and electronic waste
- Undertakes monitoring to ensure compliance and enforcement of the ACT 917.

b. Organisation

The Fund Manager is responsible for the day-to-day administration of the affairs of the Fund and responsible for the disbursement of the fund as prescribed by the Act. The work of the EEWMF is supported by the Ministry of Environment, Science, Technology and Innovation (MESTI) and the Environmental Protection Authority (EPA).

1.9 Location and Sectoral Presence

The Ministry of Environment, Science and Technology (MEST) operates from its Head Office in Accra, Ghana. The Ministry has a nationwide presence through its Agencies, each with physical infrastructure and operational mandates extending across the country. However, the locational map previously shown reflects only the Environmental Protection Authority (EPA).

This revised Plan incorporates an updated spatial representation showing the physical presence of all six Agencies under the Ministry, including:

- Council for Scientific and Industrial Research (CSIR) – with 13 research institutes across regions
- Ghana Atomic Energy Commission (GAEC) – based in Kwabenya, Accra
- Environmental Protection Authority (EPA) – with 11 regional and 4 zonal offices
- National Biosafety Authority (NBA) – national secretariat in Accra with sectoral coverage
- Nuclear Regulatory Authority (NRA) – based in Accra with regulatory oversight across Ghana
- E-Waste Fund Secretariat – national-level operations

CHAPTER TWO

SITUATIONAL ANALYSIS

2.0 Introduction

Chapter Two provides a situational analysis of the Ministry of Environment, Science and Technology (MEST) and its agencies for 2022–2025, forming the basis for the 2026–2029 Medium-Term Development Plan. It reviews the performance of past programmes and policies, highlighting successes in environmental governance, climate action, science, and institutional growth. The chapter also identifies enabling factors like skilled personnel and stakeholder engagement, as well as challenges such as funding gaps and legislative delays. Lessons learned are drawn to inform more effective planning for the next period.

2.1 Performance Review (2022–2025)

Ghana's rapid development has led to significant environmental costs, estimated at about US\$6.3 billion annually (11% of GDP), with rising pollution, poor waste management, land degradation, and biodiversity loss. These challenges shaped the Ministry of Environment, Science, Technology and Innovation's (MESTI) 2022–2025 plan, emphasizing sustainability and climate resilience.

International agreements like the Paris Agreement and the Kunming-Montreal Global Biodiversity Framework have influenced Ghana's national policies, including updated biodiversity targets and the 2025 Climate Prosperity Plan, signaling a strong commitment to environmental integration and financing for climate goals in the 2026–2029 plan.

Science, Technology, and Innovation (STI) are central to Ghana's environmental progress, with increased R&D investment and contributions from institutions such as CSIR and GAEC. Public R&D funding rose from 0.1% to 0.39% of GDP (still below the 1% target). Achievements include climate-resilient crops, commercialization of new technologies, expanded biosafety regulations, and progress toward Ghana's first nuclear power plant.

2.1 Policy And Institutional Reforms

The Hazardous and Electronic Waste Control and Management Act, 2016 (Act 917) has been actively implemented, expanding e-waste collection beyond Agbogbloshie to multiple regions. Pilot incentive programs have successfully retrieved significant amounts of e-waste. The National Plastics Management Policy, revised alongside a Circular Economy Action Plan, targets single-use plastic reduction through initiatives like plastic-free schools and edible packaging trials. Ghana has taken a leading role internationally by proposing a Global Plastics Pollution Fee to fund plastic pollution mitigation.

Climate policies are advancing with updates to the Climate Change Policy, sectoral frameworks, and international commitments. Ghana has developed a National Carbon Credit Framework and signed bilateral agreements to support carbon markets. The EU-backed

Circular Economy Roadmap focuses on nine key sectors to promote sustainable growth and green jobs, supporting SMEs in plastic waste innovation.

Institutional reforms within MEST and agencies aim to boost coordination, efficiency, and digitalization. Notably, the Land Use and Spatial Planning Authority was reassigned, and the new E-Waste Fund Secretariat was created. The EPA improved its permitting system and exceeded permit issuance targets.

The National Biodiversity Strategy and Action Plan was revised to align with global frameworks and is supported by the Biodiversity Finance Initiative. A new National Electrical and Electronic Waste Management Policy is in stakeholder consultation.

A major reform came with the Environmental Protection Act, 2025 (Act 1124), which replaced the outdated 1994 Act. This law broadens the EPA's mandate, consolidates key environmental laws, establishes a Ghana Carbon Registry, and enables participation in global carbon markets, strengthening Ghana's environmental governance framework.

2.2 Climate Change Mitigation and Adaptation

Ghana's updated Nationally Determined Contribution (NDC), submitted in 2021, outlines 19 policy actions across 10 priority areas, aiming to achieve 64 MtCO_{2e} in emissions reductions by 2030, 24.6 MtCO_{2e} unconditionally (Tier 1) and 39.4 MtCO_{2e} conditionally (Tier 2). These efforts support goals such as energy transition, economic resilience, landscape restoration, and inclusive development, potentially creating over a million green jobs and protecting 38 million citizens.

By 2022, Ghana had achieved 45% progress toward its overall NDC target 63% for the Tier 1 target and 33% for Tier 2. However, national emissions continue to rise, reaching 54.76 MtCO_{2e} in 2022, with a projected increase to 70.05 MtCO_{2e} by 2025, mainly due to growth in energy, transport, and land-use sectors.

To accelerate climate action, Ghana launched its **Climate Prosperity Plan (CPP)** in 2025, targeting \$76 billion in climate-smart investments by 2050. The Ghana Carbon Registry is now operational under the new EPA Act, with 24 MtCO_{2e} designated for international transfers. Ghana has signed or is developing carbon trading agreements with Switzerland, Sweden, Singapore, South Korea, and Liechtenstein.

Currently, 68 carbon market projects are at various stages, including cookstoves, electric vehicles, biogas, biochar, and Nature-based Solutions covering over 422,000 hectares. Three of these projects have already been authorized, expected to yield 5.2 million carbon credits.

Additionally, climate actions at the local level include training 73 MMDAs in climate planning, installing improved cookstoves in several communities, and launching the "**One Child, One Tree**" initiative under the "**Tree for Life Reforestation Policy.**"

2.3 Biodiversity and Ecosystem Protection

Ghana's biodiversity is under increasing threat from logging, illegal mining, and unsustainable agriculture. In response, the government revised the National Biodiversity Strategy and Action Plan (NBSAP) in 2024 to align with the Kunming-Montreal Global Biodiversity Framework (GBF). The updated plan sets targets for expanding protected areas, conserving endangered species, and managing invasive species.

The Green Ghana Day initiative continues to support national afforestation and reforestation, while biodiversity is being mainstreamed into sectors such as tourism, agriculture, and mining including the use of biodiversity offset strategies. In 2024, the Akyem Biodiversity Monitoring Project recorded several species of conservation concern, indicating improving forest health.

Ghana is also implementing strong coastal and marine protection measures under the Abidjan Convention, with reforms in fisheries management that include closed seasons, gear restrictions, and local co-management.

The Biodiversity Finance Initiative (BIOFIN), launched in 2024, is developing a finance plan to attract investments and eliminate harmful subsidies. Additionally, the Blue Water Initiative aims to restore polluted water bodies affected by illegal mining.

2.4 Land Use, Forestry and Restoration

The Ghana Landscape Restoration and Small-Scale Mining Project (GLRSSMP), launched in 2021 and running through 2028, is a flagship initiative focused on land rehabilitation and the promotion of sustainable small-scale mining. Jointly financed by the World Bank, the International Development Association (IDA), and the Global Environment Facility (GEF), the project had benefited 39,836 individuals by 2023, primarily in the savannah and cocoa forest zones.

Key interventions under the project include the following; Promoting agroforestry and the establishment of private plantations, Implementing the TONJA model, which integrates tree planting with crop cultivation, Piloting community forestry and payment for ecosystem services, and Demonstrating mercury-free mining technologies

Initial outcomes have shown improvements in soil structure, vegetation cover, and water retention. Additionally, the government has amended Legislative Instrument (L.I.) 2462, which previously permitted mining in forest reserves, thereby reaffirming its commitment to environmental sustainability and natural resource protection.

2.5 Marine and Coastal Systems

Ghana's coastline faces severe climate change threats, putting over 5 million people at risk from flooding and erosion. To address this, the West Africa Coastal Areas Resilience Investment Project (WACA ResIP2) was launched in April 2021, with full implementation starting in 2024. Funded by US\$150 million from the IDA and a US\$5 million grant from PROBLUE, the project focuses on the following: Coastal protection infrastructure, Mangrove

reforestation and Flood management improvements in vulnerable areas like the Densu Delta and Keta Lagoon Complex

By 2023, technical studies and institutional frameworks were completed. The project also targets marine sanitation, waste management, and pollution control in key ecosystems such as the Korle Lagoon, Densu River, and Keta Lagoons.

2.6 Pollution, Chemicals and Waste Management

Pollution remains one of Ghana's most pressing environmental and public health issues. Air quality readings from urban centers reveal significant challenges. In 2022, air quality monitoring was undertaken at 5 out of 8 planned regulatory sites, with levels of PM10 and PM2.5 pollutants found to be above EPA recommended Ghana Standards. In 2023, only four of the eight national air quality monitoring stations were operational due to equipment failure, highlighting a persistent challenge in comprehensive environmental data collection. Despite this, available data consistently showed widespread exceedances of PM2.5 and PM10 standards, with Accra's Graphic Road recording PM2.5 concentrations of 120.7 $\mu\text{g}/\text{m}^3$. In 2024, EPA conducted air quality monitoring in all 9 planned regulatory sites within Accra and 30 sites in other regions. In 2024, other areas also showed elevated PM2.5 levels, such as First Light at 283.1 $\mu\text{g}/\text{m}^3$, Tetteh Quarshie Roundabout at 258.4 $\mu\text{g}/\text{m}^3$, Achimota at 291.7 $\mu\text{g}/\text{m}^3$, Graphic Road at 259.5 $\mu\text{g}/\text{m}^3$, and Kasoa at 287.6 $\mu\text{g}/\text{m}^3$.

The EPA has consistently monitored industrial sites for compliance. In 2022, 162 industries were monitored for effluent quality, with levels above EPA recommended Ghana Standards. In 2023, 141 industrial sites were monitored, with most exceeding effluent discharge limits. By 2024, 184 industries were monitored for effluent quality, with results generally within EPA standards for effluent discharge (GS1212:2019). Despite logistical limitations, compliance monitoring coverage expanded, with 45 events nationwide in 2022, 59 events in 2023 (including 7 in Accra and 52 in other regions), and 39 events in 2024 (including 9 in Accra and 30 in other regions).

Under the National Plastics Management Policy (NPMP) and the emerging Extended Producer Responsibility (EPR) framework, Ghana has piloted plastic-free school programmes and partnered with 11 Small and Medium-sized Enterprises (SMEs) to develop innovative solutions, including cassava-based biodegradable packaging and construction material-grade recycling. Eight of these SMEs have already signed agreements with MEST, with the first tranche of funds disbursed to them to commence implementation.

In the realm of waste management, significant strides have been made in electronic waste (e-waste) collection. From June 2020 to December 2024, over 709 tons of e-waste were collected through community incentive schemes, including 530.60 tons of cables, 115.20 tons of mixed batteries, 63.20 tons of thermoplastics, and 240 sets of Cathode Ray Tubes (CRTs). A portion of this collected e-waste, 100 tons of cables, has been tendered to qualified formal recyclers for environmentally sound recycling and disposal, thereby reducing soil and air pollution and safeguarding public health. The remaining 609 tons of e-waste cables are slated for subsequent

tendering. Furthermore, the construction of the E-waste Handover Centre (HOC) at the Ghana Atomic Energy Commission (GAEC) premises was 80% complete by 2022, fully completed in 2023, and was officially handed over to its operator in July 2024 and commissioned in October 2024. Since its operationalization in July 2024, the facility has already received over 250 tons of e-waste materials for storage. The GIZ-funded e-waste project provided training for 100 Metropolitan, Municipal, and District Assemblies (MMDA) staff by 2022. The GIZ-funded project also provided 186 technical trainings for 2,658 people, and e-waste policy development remains ongoing, with Phase II concluding in January 2023 and Phase III commencing in February 2023.

2.7 Environmental Quality and Public Health

Ghana is increasingly framing environmental quality as a critical determinant of public health. While air quality monitoring stations faced challenges with equipment failure in 2023, leading to only four out of eight stations being operational, efforts in 2024 expanded to include 9 regulatory sites in Accra and 30 in other regions. Despite this, available data consistently showed widespread exceedances of PM2.5 and PM10 standards. Water pollution, primarily from illegal mining runoff and urban waste, remains a significant concern. To address this, the National Water Policy is actively funding the development of water treatment infrastructure, while educational campaigns, notably through the "Our World, Our People" curriculum, are being utilized to raise public awareness. In 2022, school-based awareness creation programs were undertaken for 390 basic and second cycle schools, and community-based awareness programs reached 162 communities. In 2024, a total of 86 communities and 370 school environmental education programmes were undertaken. Health surveillance systems are also rigorously tracking the rise in pollution-linked diseases such as asthma and lead poisoning, as well as climate-sensitive illnesses like malaria and heat stress.

Science, Technology, and Innovation (STI) remain key drivers of Ghana's environmental and national development goals. Public investment in R&D grew from 0.1% of GDP in 2021 to 0.39% in 2024, although still below the 1% target. Key institutions like the Council for Scientific and Industrial Research (CSIR) and the Ghana Atomic Energy Commission (GAEC) continue to lead innovation efforts, contributing significantly to advancements in agriculture, sustainable mining, environmental monitoring, and nuclear energy development.

2.8 Research, Development and Innovation

The Council for Scientific and Industrial Research (CSIR) has made significant strides in agricultural innovation and environmental sustainability. From 2022 to 2024, over 20,000 crop accessions were conserved, with thousands distributed nationwide including from illegal mining (galamsey) hotspots. CSIR supported sustainable small-scale mining through technologies like gold extraction equipment and land reclamation using oil palm plantations.

Key agricultural achievements include the release of new yam, maize, cowpea, sorghum, groundnut, okra, and eggplant varieties, and large-scale distribution of oil palm seeds, coconut seedlings, and other crops to farmers. In 2024, five new food products were introduced to the market, and a bio-digester system was installed in a basic school, supporting clean energy and waste management.

The Ghana Atomic Energy Commission (GAEC) has advanced Ghana's Nuclear Power Programme, completing 100% of siting and feasibility studies by 2022 and progressing through the International Atomic Energy Agency's Phase Two milestone. GAEC is evaluating vendor proposals and conducting site selection and compliance reviews. It has expanded environmental monitoring by issuing compliance certificates, overseeing telecommunication masts, monitoring radiation safety for workers, assessing imported food contamination, and training mine workers.

GAEC also developed a Radiation Processing Facility to improve food safety through irradiation, created a passive solar tomato dryer, and trained farmers. It distributed improved cassava varieties and developed vitamin-enriched oil palm. By 2024, GAEC produced disease-free plantain plantlets, developed Black Soldier Fly-based livestock feed and organic fertilizers, introduced new high-beta carotene cassava varieties, and trained farmers in processing and innovative farming techniques. The agency uses satellite Earth Intelligence to monitor crop health and support climate resilience for farmers.

Between 2022 and 2024, Ghana commercialized a total of 100 new technologies, with 56 in 2022, 12 in 2023, and 32 in 2024. Industry adoption of research outputs also grew, with 173 in 2022, 80 in 2023, and 125 in 2024, showing increasing practical application of research. The National Biosafety Authority (NBA) continued its regulatory role despite legal challenges, issuing its first permit for environmental release of genetically modified cowpea in 2023, along with permits for GMO soybean and maize. In 2023, 3 out of 16 GMO and non-GMO permit applications were approved, rising to 23 permits out of 26 applications in 2024. The NBA also hosted major international missions to enhance nuclear material control and evaluate Ghana's nuclear and radiation safety infrastructure.

2.9 Green Economy and Finance

Ghana's ranking in the Global Green Economy Index (GGEI) improved from 78th in 2022 (score 46) to 98th in 2023 and 2024 with a score of 47.7%. Progress was driven by better sectoral compliance, climate mainstreaming, and more efficient permit issuance. The government is developing a Green Finance Taxonomy to guide sustainable investments and has launched key financing tools like the Ghana Climate Investment Fund and Climate Prosperity Fund to support Nationally Determined Contributions (NDCs). Innovative financing methods, including blended finance, climate bonds, and partnerships such as a US\$23 million forest restoration deal with Singapore's GenZero are boosting Ghana's green economy efforts and international collaboration.

2.10 Major Flagship Programmes (2021–2025)

Between 2021 and 2025, the Ministry of Environment, Science & Technology (MEST) has launched key flagship programs tackling environmental management, climate resilience, industrial growth, and scientific progress, achieving significant results across multiple sectors.

- **Ghana Landscape Restoration and Small-Scale Mining Project (GLRSSMP)**
 - ✓ This project, which commenced in 2022, is a flagship initiative for land rehabilitation, jointly financed by the World Bank, IDA, and GEF.
 - ✓ By 2023, the project had reached 39,836 beneficiaries.
 - ✓ Restoration activities include agroforestry, the establishment of private plantations, and the use of the TONJA model, which integrates trees with crops.

- **Mercury-free mining demonstration centres have been established.**
 - ✓ The government has amended the L.I. 2462, which previously allowed mining in forest reserves, as part of this effort.
 - ✓ The project contributes to reducing mercury use in small-scale mining by 30% by 2030.

- **West Africa Coastal Areas Resilience Investment Project (WACA ResIP2)**
 - ✓ Commenced implementation in 2024, this project is backed by US\$150 million in funding and focuses on constructing coastal protection infrastructure.
 - ✓ Achievements include reforestation of mangroves and improved flood management.
 - ✓ Technical studies and institutional frameworks were finalized in 2023.
 - ✓ The project also addresses marine sanitation, waste disposal, and pollution control in key ecosystems like Korle Lagoon, Densu Delta, and Keta Lagoons.

- **Foundry and Machine Tooling Centre Project**
 - ✓ This is a state-of-the-art jobbing Foundry and Machine Tooling Centre based on Computer Numerical Control (CNC) technology, crucial for local fabrication and import substitution.
 - ✓ Phase I (Foundry construction) is 95% complete, with most of the equipment procured and delivered to the site.
 - ✓ Phase II, which includes the Machine Tooling Centre, a Patterns Development Shop, and a Staff Canteen, is 76% complete. Equipment for Phase II has been ordered.
 - ✓ The project is expected to be completed and operationalized by December 2025, with an estimated cost of GH¢305,550,01.00.
 - ✓ It is projected to create approximately 5,191 jobs (691 direct and 4,500 indirect).

- **Recycling and Disposal of Waste of Electrical and Electronic Equipment (E-waste) Projects (KfW and GIZ)**
 - ✓ The E-waste Handover Centre at GAEC has been completed and operationalized. It was officially handed over in July 2024 and commissioned in October 2024, receiving over 250 tons of e-waste for storage since then.
 - ✓ Through the pilot incentive payment system for e-waste collection at Old Fadama (Agbogbloshie), 275.59 tons of e-waste were procured in 2024 (including mixed batteries, thermoplastics, and cables). From June 2020 to December 2024, a total of 543.44 tons of e-waste was retrieved, and 100 tons were tendered to qualified recyclers for environmentally sustainable recycling.
 - ✓ The GIZ-funded project has provided 186 technical trainings for 2,658 people, and training for 100 Metropolitan, Municipal, and District Assemblies (MMDA) staff, with e-waste policy development ongoing.

- **Establishing a Circular Economy Framework for the Plastics Sector (CEF-PS)**
 - ✓ This GEF-funded project aims to strengthen national capacity for a circular economy, reduce marine plastic litter, and create jobs.
 - ✓ Eleven (11) Small and Medium-sized Enterprises (SMEs) have been selected to receive technical and financial support for initiatives like producing biodegradable plastics and various types of food-grade and construction material-grade recycling.
 - ✓ Eight (8) of these SMEs have signed agreements with MEST to commence implementation.
 - ✓ Business model assessments have been completed, and relevant Memoranda of Understanding (MoUs) established.

- **National Plastics Management Policy (NPMP)**
 - ✓ First introduced in 2021, the NPMP has been revised and complemented by a Circular Economy Framework to tackle single-use plastics and operationalize the Extended Producer Responsibility (EPR) regime.
 - ✓ The policy was approved by Cabinet in May 2020 along with its implementation plan, focusing on economic growth, job creation, and environmental protection.

- **Climate Change Mitigation and Adaptation**
 - ✓ Ghana's updated Nationally Determined Contribution (NDC), submitted in 2021, commits the country to 47 climate actions across 19 sectors to reduce greenhouse gas emissions by 64 MtCO_{2e} by 2030.
 - ✓ By the end of 2023, Ghana had achieved a 63% implementation rate of its NDC actions.
 - ✓ The Ghana Carbon Registry is fully operational, and Ghana has signed Article 6.2 carbon trading agreements with Switzerland, Sweden, Singapore, South Korea, and Liechtenstein.

- ✓ Sixty-eight (68) carbon market projects have been approved, including initiatives for cookstoves, electric vehicles, biochar, and sustainable rice production, with the potential to reduce millions of tonnes of carbon credits.
 - ✓ The new Environmental Protection Act, 2025 (Act 1124), has legislated the carbon trading framework.
 - ✓ The Climate Prosperity Plan (CPP), launched in 2025, aims to mobilize US\$76 billion in climate-smart investments by 2050.
- **Clean Cooking Programmes**
 - ✓ Energy efficiency projects have introduced 47 new improved cookstoves with chimneys, steamers, and clarification tanks, replacing traditional cooking stoves in eight communities in the Eastern Region.
 - ✓ Approximately 700 artisanal palm oil processors have been trained in sustainable oil production processes, contributing to reduced air pollution and improved health.
- **Environmental Protection Act, 2025 (Act 1124)**
 - ✓ Enacted in January 2025, this new legislation repealed and replaced the outdated 1994 law, establishing an Environmental Protection Authority with enhanced mandates and consolidating various legal instruments to address electronic waste and other environmental challenges.
- **Environmental Permitting and Compliance (EPA)**
 - ✓ The Environmental Protection Authority's (EPA) online permitting system was 50% complete as of 2024.
 - ✓ In 2023, 14,521 environmental permits were issued, surpassing target projections by 10%. In 2024, over 14,200 environmental assessment permits were issued.
 - ✓ The EPA also issued 38,000 chemical licenses in 2023 and monitored 184 industries for effluent quality in 2024, with results generally within standards.
 - ✓ There is 100% compliance in the oil and gas sector and 74% compliance in agriculture.
- **Illegal Mining (Galamsey) Response**
 - ✓ The Council for Scientific and Industrial Research (CSIR) has developed technologies for sustainable small-scale mining, including efficient gold extraction and environmental rehabilitation.
 - ✓ Oil palm plantations are being used by CSIR to reclaim post-mined sites as part of an Inclusive Landscape Management Plan.

- **Research and Development (R&D) and Innovation**

- ✓ R&D expenditure increased to 0.38% of GDP in 2023 (up from 0.1% in 2021) and 0.39% in 2024, although still below the national target of 1%.
- ✓ The CSIR has conserved over 20,268 crop accessions, including those from galamsey hotspots.
- ✓ The Ghana Atomic Energy Commission (GAEC) has advanced its Radiation Processing Facility to enhance food safety through irradiation and developed climate-resilient crop varieties like rice, yam, soybean, and tomato through genome editing.
- ✓ GAEC is using satellite data for Earth Intelligence for Agriculture to monitor crop health and support farmers with real-time data.
- ✓ Feasibility studies for Ghana's first nuclear power plant have been completed, reaching Phase two of the International Atomic Energy Agency (IAEA) Milestones, with site selection and international compliance reviews underway.
- ✓ In 2023, 12 new technologies were commercialized, and 80 research outputs were adopted by industry. In 2024, these figures rose to 32 technologies commercialized and 125 research findings adopted.
- ✓ The National Biosafety Authority (NBA) issued 23 biosafety permits in 2023.

- **Green Economy and Finance**

- ✓ Ghana's Global Green Economy Index (GGEI) score improved to 47.7% in 2023, ranking 98th globally, and maintained this position in 2024.
- ✓ The government is actively developing a Green Finance Taxonomy and operationalizing the Ghana Climate Investment Fund and the Climate Prosperity Fund to aggregate funding for NDC implementation.
- ✓ Strategic partnerships and blended finance mechanisms, such as a US\$23 million forest restoration investment from GenZero (Singapore), are central to Ghana's green growth agenda.

2.11 Factors Contributing to the Attainment of the Outcomes

I. Strong Human Resource and Technical Capacity

The availability of highly qualified researchers and technical personnel, particularly within institutions in the Sector, significantly enhanced the development and deployment of demand-driven technologies.

II. Institutional Reward Mechanism for Innovation

The introduction of a reward system to incentivize researchers who attract externally funded projects and generate technologies with intellectual property potential served as a strong motivator, boosting research output and innovation quality.

III. **High Market Demand for Technological Solutions**

Strong and increasing demand from public and private sector actors especially in the **agricultural, health, and industrial sectors** stimulated the adoption and scaling-up of research outputs and innovative technologies.

IV. **Strategic Research Alignment with National Needs**

The alignment of research themes with **national development priorities**, such as food security, climate resilience, and industrial development, ensured that research products were relevant and fit-for-purpose, thereby increasing their uptake and utility.

V. **Effective Public-Private Collaboration**

Partnerships with industry players and private sector stakeholders enhanced access to funding, commercialization avenues, and practical deployment of developed technologies, creating feedback loops that supported continuous innovation.

2.12 Limitations

i. **High Attrition and Low Visibility of STI Agencies**

The loss of skilled researchers and limited public engagement significantly affected the performance and relevance of STI institutions in national development discourse.

ii. **Weak Judicial Enforcement and Logistical Constraints**

Inadequate prosecution of environmental crimes, combined with a shortage of essential logistics (vehicles, equipment), weakened compliance monitoring and environmental governance.

iii. **Outstanding Financial Commitments**

A significant debt burden of **GHC321.9 million** as of December 2024 especially related to the **Foundry and CNC Centre (GHC305.5 million)** strained the Ministry's fiscal space and slowed down capital project delivery.

iv. **Land Encroachment Due to Title and Security Deficits**

Delays in securing **land titles** and lack of **perimeter fencing** for key research institutions like **CSIR and GAEC** resulted in unauthorized encroachments and loss of valuable institutional assets.

v. **Exorbitant Utility Costs**

High electricity bills, especially for energy-intensive facilities such as **GAEC laboratories**, constrained operational activities and research continuity.

vi. **Legislative Delays**

Slow response to **amend and pass the GAEC Act** undermined policy reform efforts and the alignment of nuclear research with international regulatory frameworks.

vii. **Inadequate Infrastructure at MEST Headquarters**

Limited **office space** and outdated **ICT infrastructure** negatively impacted coordination, productivity, and digital transformation at the Ministry level.

viii. **Inadequate Funding for R&D and Enforcement**

Insufficient financial resources hindered the execution of planned research, innovation, and regulatory enforcement activities, limiting the Ministry's ability to deliver on its core mandates.

2.13 Lessons Learnt

i. **Linking Research to Market Needs Enhances Impact**

When research and innovation efforts are aligned with clear market and societal demands such as agriculture, health, and climate resilience the adoption of technologies increases significantly. Future planning should prioritize **demand-driven research** and public-private collaboration frameworks.

ii. **Incentive Structures Drive Performance**

The implementation of reward systems for high-performing researchers has proven effective in boosting output and attracting project funding. **Incorporating performance-based incentives** in policy design can improve institutional productivity.

iii. **Sustained Investment in Human Capital Yields Long-Term Benefits**

High-quality outcomes were largely supported by the presence of **skilled human resources**. Development planning must continue to emphasize **capacity building**, talent retention, and skills upgrading, especially in STI and environmental management.

iv. **Legislative and Policy Reform Timeliness Is Critical**

Delays in passing important legislation (e.g., amended GAEC Act) hindered sector growth. Future plans must **synchronize policy reforms with implementation timelines** to ensure enabling legal frameworks are in place when needed.

v. **Infrastructure and Logistics Are Essential Enablers**

Shortfalls in vehicles, equipment, and laboratory facilities significantly constrained field operations and enforcement activities. Future planning should adopt a **phased infrastructure investment strategy**, integrating logistics into the core of project and policy planning.

Table 1: *Performance Review by Development Dimension and Agency*

Development dimension	Indicator	Baseline (2021)	2022-2025 Medium-term Target	Development Outcomes	
				Year	Data
Environment, Infrastructure and Human Settlements	Global Green Economy Index (GGEI) for Ghana	46%	43%	2024	47.7%
	Greenhouse gas emissions	42.8MT	55.5 MT	2024	55.5MT MT
	Percentage of companies complying with condition of their respective Environmental Assessment (EA) and Environmental Management Plans (EMP) Permit (excluding the oil and gas sector)	48%	80%	2024	57%
	Level of compliance of companies to permit conditions in the oil and gas industry	100%	100%	2024	100%

Development dimension	Indicator	Baseline (2021)	2022-2025 Medium-term Target	Development Outcomes	
				Year	Data
	Percentage of sectors with climate change mitigation and adaptation strategies	54%	80%	2024	68%
	No. of telecommunication base stations assessed	1,060	3,200	2024	Report submitted Radiation safety and education carried out for all clients and general public
	Siting and feasibility studies (level in %) towards introduction of nuclear energy in Ghana conducted.	Preferred and back up site identified	Phase one activities 100% completed. Phase two activities commenced	2024	30%
Economic Development	Research and development (R&D) expenditure as a percentage of GDP	0.10%	1%	2024	0.39%
	Rate of adoption of locally packaged technologies by MSMEs (%)	<30%	70%	2024	57%
	Rate of adoption of locally packaged technologies by MSMEs (%)	<30%	70%	2024	57%

Development dimension	Indicator	Baseline (2021)	2022-2025 Medium-term Target	Development Outcomes	
				Year	Data
	Adoption rate of improved Nile Tilapia farming	60%	70%	2024	60%
	Increase adoption of locally developed improved crop varieties by seed producers	60%	80%	2024	70%
Governance, Corruption and Public Accountability	Percentage of districts plans subjected to SEA process	100%	100%	2024	100%
Emergency Planning and Response	Level of completion of EPA's online services system	Nil	100%	2024	58%

2.14 Financial Performance (2022–2025)

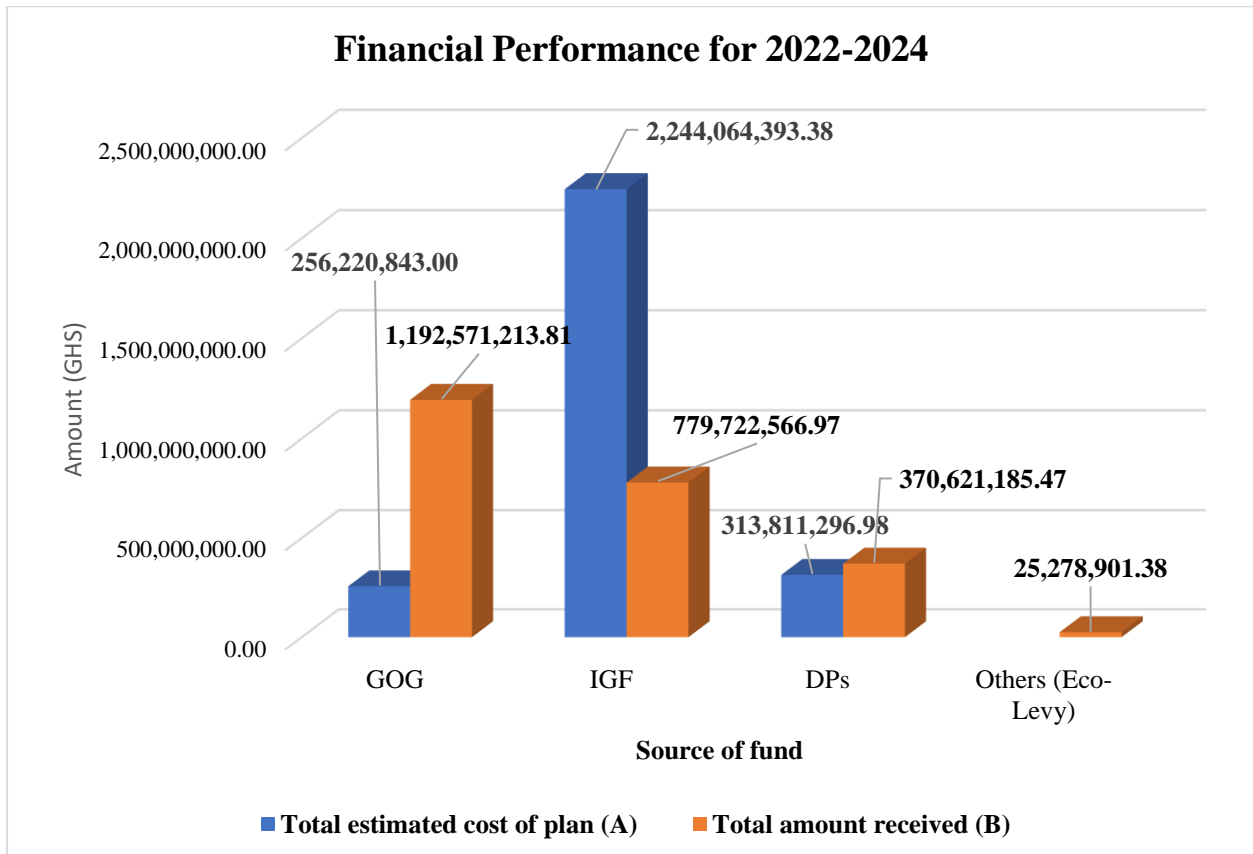
As of December 2024, the Ministry had received a total of Two Billion, Three Hundred Sixty-Eight Million, One Hundred Ninety-Three Thousand, Eight Hundred Sixty-Seven Ghana Cedis and Sixty-Three Pesewas (GH¢2,368,193,867.63), representing 84.15% of the total estimated cost of GH¢2,814,096,533.36.

Government of Ghana (GoG) allocations amounted to GH¢1,192,571,213.81, exceeding the projected GoG funding by 365.45%. In contrast, the Ministry received GH¢779,722,566.97 as Internally Generated Funds (IGF), representing 34.75% of the planned IGF target of GH¢2,244,064,393.38. Development Partner (DP) funds received were 18% higher than the projected estimate.

Table 2: **Financial Performance (2022–2025)**

Source of funds	Total estimated cost of plan (A)	Total amount received (B)	Variance (C) = (A-B)
GOG	256,220,843.00	1,192,571,213.81	-936350370.8
IGF	2,244,064,393.38	779,722,566.97	1464341826
DPs	313,811,296.98	370,621,185.47	-56809888.49
Others (Eco-Levy)	-	25,278,901.38	25,278,901.38
TOTAL	2,814,096,533.36	2,368,193,867.63	445,902,665.73

Figure 2: *Visual representation of the 2022-2024 Financial performance of the Sector*



2.15 Existing Conditions and Diagnosis

This section provides an integrated analysis of environmental and institutional conditions across the six MESTI agencies, using spatial data and graphics to highlight regional disparities, ecological threats, and key spatial priorities.

2.15.1 Spatial Coverage and Institutional Footprint

MESTI agencies operate throughout all 16 regions of Ghana with varying presence. The EPA has the broadest reach with 19 regional and municipal offices. CSIR and NRA have installations across major ecological zones, while GAEC and NRA focus mainly on the southern regions but manage national facilities like nuclear labs. The E-Waste Fund Secretariat pilot's recovery operations in key cities with high electronic waste generation, including Accra, Kumasi, Tamale, and Takoradi.

2.15.2 Environmental Pressure Zones and Threats

Satellite and field data identify major ecological degradation hotspots in Ghana's forest, coastal, and savannah regions. Illegal mining severely damages watersheds in Ashanti, Eastern, Western, and Upper East regions. Plastic pollution is particularly severe in Greater Accra and Central Regions, causing drainage blockages and frequent urban flooding. Coastal erosion and biodiversity loss threaten marine ecosystems, notably around the Volta Delta and Keta Lagoon.

2.15.3. Agency-Specific Spatial Trends

- CSIR research centres are concentrated in crop belt regions (Ashanti, Brong Ahafo, Northern).
- GAEC and NRA regulate radioactive source sites mostly in medical and industrial hubs (Accra, Tema, Takoradi).
- NBA monitors biosafety compliance at key entry points—Tema and Takoradi ports—and research institutions.
- EPA's zonal offices conduct EIA enforcement and pollution tracking in key industrial corridors.
- E-Waste Fund operations are piloted in high-volume e-waste regions: Greater Accra, Ashanti, Northern, and Western.

2.15.4 Spatial Gaps and Recommendations

Despite broad institutional presence, operational coverage in remote districts is limited by logistical and staffing challenges. There is a critical need to expand biosafety and pollution monitoring into peri-urban and rural agricultural areas. Scaling up mobile labs, satellite-supported GIS, and community-based monitoring is essential. Additionally, integrating spatial datasets—such as biodiversity corridors, emissions data, and disaster hotspots—into national planning systems is necessary.

Table 3: *SWOT Analysis*

Strengths	Weaknesses
<ul style="list-style-type: none"> • Strong institutional memory and long-serving staff across agencies (HQ, CSIR) • Deep technical expertise in key scientific and regulatory areas (nuclear, radiology, biosafety, environmental monitoring) • Wide research and innovation capacity (160+ technologies from CSIR) • Extensive national and international partnerships (IAEA, AU, FAO) • Legal and regulatory mandates under acts (e.g. Act 895, EPA Act 1124) • National footprint with multiple offices (e.g. EPA has 19 offices) • Pilot programs (e.g. E-Waste) show scalable potential 	<ul style="list-style-type: none"> • Infrastructure deficits: overcrowded offices, obsolete labs, aging equipment • High staff attrition (e.g. CSIR 21%, NBA 23%) • Low commercialization of research and weak public-private tech transfer • Volatile or inadequate funding across the board • Limited outreach, public engagement, and weak communication (especially for nuclear and GMO issues) • Lack of critical facilities: molecular labs, record storage, port testing, power reliability • Dependence on donors and unpredictable eco-levy (E-Waste)
Opportunities	Threats
<ul style="list-style-type: none"> • Government push for digitization and civil service reform • Growing access to climate, food security, and biosecurity funds • Potential for PPPs in infrastructure, innovation, and circular economy • Expanding need for nuclear energy, medical isotopes, and crop innovation • Increased demand for environmental monitoring and permitting • Legal mandates provide leverage for enforcement and partnerships • Regional leadership potential through IAEA and AU platforms 	<ul style="list-style-type: none"> • Budgetary constraints and unpredictable funding cycles • Brain drain and continued staff attrition • Regulatory interference and political pressure • Misinformation risks, especially around nuclear energy and GMOs • Low industry uptake of innovations and weak commercialization • Rising urban pollution, illegal dumping, and toxic waste • Infrastructure vulnerabilities (e.g. power supply, weak border controls)

2.16 Needs Assessment (2026–2029)

The Ministry of Environment, Science and Technology (MEST) is approaching the 2026–2029 planning period with a bold agenda focused on accelerating environmental reforms, advancing technological integration, and promoting sustainable development. Key thematic areas will guide efforts to address the sector’s most pressing development needs.

2.16.1 Environmental Governance and Regulatory Gaps

Effective oversight requires full enforcement of the Environmental Protection Act, 2025 (Act 1124), which unifies environmental laws and strengthens regulatory coherence. Nationwide expansion of digital permitting and monitoring is essential for improved compliance. Additionally, revoking L.I. 2462 is crucial to ban mining in forest reserves and safeguard biodiversity.

2.16.2 Climate Resilience and Green Financing

Ghana requires a stronger enabling environment to finance climate action and green transition initiatives. While the Ghana Carbon Registry and participation in Article 6 carbon markets are in progress, financing gaps remain, particularly in operationalizing the Climate Prosperity Fund and the Biodiversity Finance Plan.

There is a growing need to scale up afforestation and reforestation initiatives through campaigns like "One Child, One Tree" and annual "Arbor Day" events, which require sustained technical and community support.

2.16.3 Environmental Restoration and Coastal Resilience

Interventions under the Ghana Landscape Restoration and Small-Scale Mining Project (GLRSSMP) and West Africa Coastal Areas Resilience Investment Project (WACA ResIP2) must be scaled to address ongoing erosion, flooding, and mangrove degradation.

2.16.4 Sustainable Waste Management and Circular Economy

The Ministry needs to strengthen and expand the Integrated National E-waste Management Scheme, including the e-waste incentive payment system, to improve waste collection, recycling, and public awareness.

The development and validation of a National Electrical and Electronic Waste Management Policy must be completed to establish a coherent regulatory framework. The Establishing a Circular Economy Framework for the Plastics Sector (CEF-PS) project also highlights the need for continued technical and financial support to SMEs producing biodegradable and recyclable products.

2.16.5 Industrial Innovation and Local Fabrication

The completion and operationalization of the Foundry and Machine Tooling Centre is critical to local manufacturing, import substitution, and job creation. There is a need for greater investment in supporting industries, workforce training, and business incubation around this initiative.

2.16.6 Science, Technology and Innovation (STI) Integration

STI must be mainstreamed across all socio-economic sectors. Key needs include:

- Increased funding for R&D and innovation, particularly for climate-resilient agriculture and food safety (e.g., irradiation technologies).
- Expansion of STEM education initiatives at basic, secondary, and tertiary levels.
- Support for Ghana's Nuclear Power Programme, including land security, site approvals, and IAEA compliance.
- Strengthening the regulatory capacity of the National Biosafety Authority (NBA) to monitor GMO-related activities.

2.16.7 Institutional Capacity and Infrastructure

The Ministry faces persistent infrastructure constraints, particularly in the EPA's laboratory capacity, and logistical needs across research agencies. Additionally, there is an urgent need to resolve land ownership and documentation issues affecting the Council for Scientific and Industrial Research (CSIR) and the Ghana Atomic Energy Commission (GAEC).

2.16.8 Financing and Policy Coherence

The sector requires alternative financing mechanisms such as climate bonds, blended finance, and PPPs to ensure adequate resource mobilization. Strengthening policy coherence, public engagement, and accountability systems are essential for sustainability.

2.16.9 Cross-Cutting Needs

- Community engagement strategies for illegal mining remediation and alternative livelihoods
- Inclusion of gender and youth-focused programming in science, environment, and innovation initiatives
- Increased focus on climate change education and behavioural change campaigns

These identified needs will guide the prioritization of programmes and interventions in the 2026–2029 Medium-Term Development Plan.

2.17 LIST OF ISSUES

- Weak enforcement of environmental and mining laws and regulations
- Environmental degradation
- Mining in protected areas
- Ramsar Site Encroachment
- Rising sector Green House Gases (GHG) emissions
- Inadequate inclusion of gender and vulnerability issues in climate change actions
- Inadequate institutional capacity to access global funds
- Poor ownership of climate change intervention at the local level
- Low institutional capacity to adapt to climate change and undertake mitigation actions
- Weak enforcement of environmental laws and regulations
- Destructive impact of plastic waste on terrestrial, aquatic, and marine ecosystems
- Air and noise pollution, especially in urban areas
- Pollution of water bodies and the environment with discharges of radioactive materials
- Limited funds to implement planned programmes and projects in the coastal areas
- Pollution and degradation of the ocean with chemicals, industrial, agricultural, and residential waste, noise, or the spread of invasive organisms.
- Improper management of liquid and solid waste including E-Waste and Plastics waste.
- Inadequate protection and development of water resources
- Increased encroachment of Ramsar sites
- Poor agricultural practices which affect water quality
- Limited collaboration between public research institutions and businesses on product, service, and process innovation
- Inadequate funding for research and development

- Lack of modern foundry-based manufacturing
- Inadequate knowledge and skills in precision engineering
- Inadequate capacity to manage environmental impacts of the Oil and Gas Industry
- High cost of electricity generation
- Unreliable power supply
- Low private sector investment in R&D
- Low transfer and uptake of research findings

CHAPTER THREE

KEY DEVELOPMENT PRIORITIES

3.0 Introduction

The medium-term development priorities of the environmental sector focus on promoting sustainable development, climate resilience, and natural resource conservation. In response to growing environmental challenges, MEST aims to implement forward-looking, evidence-based policies aligned with national and global commitments. Key priorities include strengthening environmental governance, advancing green economic initiatives, enhancing climate action, and ensuring sustainable ecosystem management to support inclusive and resilient growth.

Table 4: *List of prioritised development issues*

DIMENSION	FOCUS AREA	PRIORITISED DEVELOPMENT ISSUES
ENVIRONMENT, INFRASTRUCTURE AND HUMAN SETTLEMENT	Mineral Extraction	<ul style="list-style-type: none"> • Weak enforcement of environmental and mining laws and regulations • Environmental degradation
	Protected Areas	<ul style="list-style-type: none"> • Mining in protected areas • Ramsar Site Encroachment
	Climate Variability and Change	<ul style="list-style-type: none"> • Rising sector Green House Gases (GHG) emissions • Inadequate inclusion of gender and vulnerability issues in climate change actions • Inadequate institutional capacity to access global funds • Poor ownership of climate change intervention at the local level • Low institutional capacity to adapt to climate change and undertake mitigation actions
	Environmental Pollution	<ul style="list-style-type: none"> • Weak enforcement of environmental laws and regulations • Destructive impact of plastic waste on terrestrial, aquatic, and marine ecosystems • Air and noise pollution, especially in urban areas • Pollution of water bodies and the environment with discharges of radioactive materials

DIMENSION	FOCUS AREA	PRIORITISED DEVELOPMENT ISSUES
	Coastal & Marine Erosion	<ul style="list-style-type: none"> • Limited funds to implement planned programmes and projects in the coastal areas • Pollution and degradation of the ocean with chemicals, industrial, agricultural, and residential waste, noise, or the spread of invasive organisms.
	Waste Management	<ul style="list-style-type: none"> • Improper management of liquid and solid waste including E-Waste and Plastics waste.
	Water Resources Management	<ul style="list-style-type: none"> • Inadequate protection and development of water resources • Increased encroachment of Ramsar sites • Poor agricultural practices which affect water quality
	Science, Technology, and Innovation	<ul style="list-style-type: none"> • Limited collaboration between public research institutions and businesses on product, service, and process innovation • Inadequate funding for research and development • Lack of modern foundry-based manufacturing • Inadequate knowledge and skills in precision engineering • Inadequate capacity to manage environmental impacts of the Oil and Gas Industry • High cost of electricity generation • Unreliable power supply
ECONOMIC DEVELOPMENT	Industrial Transformation	<ul style="list-style-type: none"> • Low private sector investment in R&D
	Agriculture and Rural Development	<ul style="list-style-type: none"> • Low transfer and uptake of research findings

3.1 Factors Considered in Determining Priorities for the Environment Sector

In setting its development priorities, the sector took into account several key factors, including:

- I. The severity and complexity of each issue, as well as the potential social, economic, and environmental benefits of addressing it.
- II. The potential for positive multiplier effects on economic efficiency, such as attracting investment, creating employment opportunities, increasing household incomes, and driving overall economic growth.
- III. The extent to which the issue relates to the fulfilment of basic human needs and the protection of fundamental rights.

- IV. The anticipated contribution to sustainable spatial development, particularly within targeted geographic areas or designated development corridors.
- V. Ghana's international commitments, including obligations under multilateral environmental agreements and conventions, and its pursuit of the Sustainable Development Goals (SDGs).
- VI. The critical role of the private sector in supporting the government's industrialisation agenda and in mainstreaming Science, Technology, and Innovation (STI) across national and sectoral development frameworks.

CHAPTER FOUR

DEVELOPMENT GOALS, OBJECTIVES AND STRATEGIES

4.0 Introduction

This chapter outlines the Ministry’s development goals, policy objectives, and strategies for the 2026–2029 planning period. The formulation is aligned with national and sectoral priorities, the Medium-Term National Development Policy Framework (MTNDPF), and the Planning Guidelines provided by the National Development Planning Commission (NDPC).

The policy objectives are based on the development issues and priorities identified in Chapter Three and are guided by the SMART criteria (Specific, Measurable, Achievable, Realistic, and Time-bound). The corresponding strategies are designed to address the root causes of these challenges while harnessing opportunities to drive transformational change across the Environment, Science, and Technology sector.

The Ministry has two overarching goals: (1) to strengthen environmental governance, natural resource management, and climate resilience; and (2) to mainstream science, technology, research, and innovation across all socio-economic sectors. These objectives span two key dimensions: Environment, Infrastructure, and Human Settlements and Governance.

Table 5: *Development Goals, Objectives and Strategies*

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
<ul style="list-style-type: none"> • Mining in protected areas • Ramsar Site Encroachment 	To safeguard protected areas by preventing encroachment through strengthened enforcement	Safeguard forest and protected areas	Safeguard forest and protected areas	Reduce Environmental Pollution	Biodiversity Conservation and Protected Areas Programme
<ul style="list-style-type: none"> • Rising sector Green House Gases (GHG) emissions • Inadequate inclusion of gender and vulnerability issues in climate change actions • Inadequate institutional capacity to access global funds • Poor ownership of climate change intervention at the local level • Low institutional capacity to adapt to climate change and undertake mitigation actions 	Strengthen national resilience to climate change through adaptive strategies, mitigation, and sustainable environmental management.	Enhance climate adaptation and meet mitigation commitments	Enhance institutional capacity and coordination for effective climate action	Reduce greenhouse gases	Climate Resilience and Low-Carbon Development Programme
Improper management of liquid and solid waste	To ensure effective and sustainable management of liquid, solid, and	Reduce Environmental Pollution	Reduce Environmental Pollution	Enhance climate change resilience	Integrated Waste Management and

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
including E-Waste and Plastics waste.	electronic waste through improved policies, infrastructure, and public awareness				Circular Economy Programme
<ul style="list-style-type: none"> • Limited collaboration between public research institutions and businesses on product, service, and process innovation • Inadequate funding for research and development • Lack of modern foundry-based manufacturing • Inadequate knowledge and skills in precision engineering • Inadequate capacity to manage environmental impacts of the Oil and Gas Industry • High cost of electricity generation Unreliable power supply	Strengthen Environmental Governance, Natural Resource Management and Climate Resilience	Mainstream science, technology, research and innovation in all socio-economic activities	Mainstream science, technology, research and innovation in all socio-economic activities	Enhance policy coherence and programme coordination for effective collaboration and synergies within the STI ecosystem.	National Foundry and Precision Engineering Development Programme
<ul style="list-style-type: none"> • Limited funds to implement planned programmes and 	Strengthen Environmental Governance, Natural	Improve coastal and	Improve coastal and marine management	Develop, implement and maintain a safe,	Coastal and Marine Ecosystem

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
<p>projects in the coastal areas</p> <ul style="list-style-type: none"> • Pollution and degradation of the ocean with chemicals, industrial, agricultural, and residential waste, noise, or the spread of invasive organisms. 	Resource Management and Climate Resilience	marine management		secure and sustainable nuclear power programme	Governance Programme
<ul style="list-style-type: none"> • Weak enforcement of environmental and mining laws and regulations • Environmental degradation 	Strengthen Environmental Governance, Natural Resource Management and Climate Resilience	To reduce illegal mining activities	Promote sustainable extraction and use of mineral resources	Attract, develop, and retain top talent by offering competitive compensation, international-standard training.	Sustainable management of the extractive mining sector
Weak enforcement of environmental laws and regulations	To reduce urban pollution by implementing comprehensive pollution control measures	To reduce noise pollution levels in urban areas by 40% by 2029	Improve air quality and reduce pollution in urban settlements	Strengthen eco-levy administration and compliance mechanisms	Urban Environmental Quality and Pollution Control Programme
Weak enforcement of environmental laws and regulations	To minimize the indiscriminate use of pesticides by promoting safe, regulated, and	To reduce the indiscriminate use of pesticides	Promote safe use of agrochemicals to protect health and ecosystems	Promote investment in research, innovation, and business	Agrochemical Regulation and Safe Pesticide Use Programme

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
	sustainable pest management practices			incubation to advance climate-smart technologies	
Weak enforcement of environmental laws and regulations	To strengthen the enforcement of environmental laws and regulations through enhanced institutional capacity	To reduce air, water, and land pollution levels by 30% in major urban centers by the end of 2029	Ensure sustainable management of natural resources	Reduce Environmental Pollution	Environmental Law Enforcement and Regulatory Compliance Programme
Rising sector Green House Gases (GHG) emissions	To reduce greenhouse gas (GHG) emissions from the sector by promoting low-carbon technologies,	To reduce greenhouse gas emissions by 20% by 2029	Promote low-carbon development across sectors	Reduce greenhouse gases	Emissions Reduction Programme
<ul style="list-style-type: none"> • Inadequate institutional capacity to access global funds 	To build and strengthen institutional capacity for effective access, management, and utilization of global funds and resources	To build institutional capacity to access global climate finance by 2029	Build capacity to mobilize and manage global climate funds	Enhance climate change resilience	Climate Finance Access and Institutional Support Programme
<ul style="list-style-type: none"> • Limited collaboration between public research institutions and businesses on product, service, and process innovation 	To promote the effective integration and application of science, technology, and innovation (STI) in all sectors	Implement the National STI Policy (2024-2030)	Enhance the application of Science and Technology in all sectors of the economy	Enhance policy coherence and programme coordination for effective collaboration and synergies	Science, Research and Innovation Commercialization Programme

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
<ul style="list-style-type: none"> • Inadequate funding for research and development • Inadequate knowledge and skills in precision engineering • Inadequate capacity to manage environmental impacts of the Oil and Gas Industry 				within the STI ecosystem.	
<ul style="list-style-type: none"> • High cost of electricity generation • Unreliable power supply 	To ensure equitable and sustainable access to clean, reliable, and affordable energy.	Enhance access to clean and affordable energy	Enhance universal access to clean, reliable, and affordable energy to support inclusive economic growth, improve quality of life, and promote environmental sustainability	Develop, implement and maintain a safe, secure and sustainable nuclear power programme	Renewable and Nuclear Energy Development Programme
Low institutional capacity to adapt to climate change and undertake mitigation actions	To strengthen institutional capacity. comprehensive	Strengthen the regulatory framework by enhancing emergency preparedness.	MTNDP 3.5.1 Reduce Environmental Pollution.	Attract, develop, and retain top talent by offering competitive compensation, international-standard training,	Capacity and Retention Programme

<i>Prioritised Issues</i>	<i>Goal</i>	<i>Objective</i>	<i>Aligned National Objectives</i>	<i>Strategies</i>	<i>Development Programme</i>
Improper management of liquid and solid waste including E-Waste and Plastics waste.	To enhance compliance with the Eco-Levy through strengthened enforcement mechanisms	Provide financial resources for the management of electrical and electronic waste.	Intensify enforcement of regulations and standards	Strengthen eco-levy administration and compliance mechanisms	E-waste Eco-Levy Enforcement and Compliance Programme
• Low transfer and uptake of research findings	To build a resilient agricultural sector by promoting the widespread adoption of climate-smart practices.	Improve post-harvest management	Improve post-harvest management	Promote investment in research, innovation, and business incubation to advance climate-smart and post-harvest technologies.	Climate-smart Agriculture and Agribusiness Development Programme

CHAPTER FIVE

COMPOSITE DEVELOPMENT PROGRAMMES

5.0 Introduction

The Composite Development Programmes provide a strategic framework to integrate and coordinate the MEST diverse initiatives, addressing complex environmental challenges while aligning with national priorities and international commitments. By consolidating sectoral interventions into cohesive, multi-disciplinary programmes, the Ministry aims to optimize resources, enhance policy coherence, and ensure impactful implementation of projects that promote sustainability, green growth, and improved quality of life.

5.1 Costing Methodology and Assumptions

The costing of programmes was based on:

- i. Historical expenditure trends across the Ministry and its Agencies.
- ii. Budget ceilings provided in the 2026–2029 Macroeconomic Framework.
- iii. Projections from ongoing donor-funded programmes (E-Waste, Climate Prosperity).
- iv. Unit cost benchmarks for infrastructure, capacity building, and research interventions.

Exchange rates were estimated conservatively at GHS 15 per USD. Inflation and wage escalation over the planning period were considered using NDPC-provided inflation outlooks (2026: 12%, 2027: 10%, 2028: 9%, 2029: 8%).

Table 6: *Composite Development Programmes*

S/ N	Development Programme	Time Frame				Cost			Programme Status		Implementation Institution/ Department	
		2026	2027	2028	2029	GoG	IGF	Others (Donor)	New	Ongoing	Lead	Collaboration
1	Biodiversity Conservation and Protected Areas Programme					7,800,000.00	975,000.00	325,000.00	√		E-WASTE FUND	
2	Climate Resilience and Low-Carbon Development Programme								√		EPA	MEST, EPA, CSIR
3	Integrated Waste Management and Circular Economy Programme					5,950,000.00	1,250,000.00	-		√	MEST	E-Waste Fund, MMDAs, EPA, Scrap Dealer Associations, Collection Centres,
4	National Foundry and Precision Engineering					500,000,000.00				√	MEST	GAEC, Gratis Foundation

S/ N	Development Programme	Time Frame				Cost			Programme Status		Implementation Institution/ Department	
		202 6	202 7	202 8	202 9	GoG	IGF	Others (Donor)	Ne w	Ongoin g	Lead	Collaboratio n
	Development Programme											
5	Coastal and Marine Ecosystem Governance Programme					-	-			√	MEST	EPA, L&NR, Minerals Commission
6	Sustainable management of the Extractive industry					-	39,141,855. 56	-		√	EPA	MEST, Minerals Commission , MMDAs
7	Urban Environmental Quality and Pollution Control Programme						29,822,366. 14			√	EPA	MEST, DVLA
8	Agrochemical Regulation and Safe Pesticide use Programme									√	EPA	MEST, MMDAs

S/ N	Development Programme	Time Frame				Cost			Programme Status		Implementation Institution/ Department	
		2026	2027	2028	2029	GoG	IGF	Others (Donor)	New	Ongoing	Lead	Collaboration
9	Environmental law Enforcement and regulatory Complain Program									√	EPA	EPA, GIZ, KfW, E-waste Fund
10	Emissions Reduction Programme						√			√	EPA	CSIR, GAEC, GIZ, KfW
11	Climate Finance Access and Institutional Support Programme						√	15,235,564.00	√		MEST	CSIR, GAEC, EPA
12	Science, Research and Innovation Commercialization Programme					51,676,323.40	4,524,078.00	-		√	MEST	CSIR, GAEC, EPA
13	Renewable and Nuclear Energy Development Programme					22,376,000.	500,000.00	18,48,070	√		GAEC	MEST, MoF, IAEA, US Department of Energy

S/ N	Development Programme	Time Frame				Cost			Programme Status		Implementation Institution/ Department	
		202 6	202 7	202 8	202 9	GoG	IGF	Others (Donor)	Ne w	Ongo ing	Lead	Collaboratio n
14	Capacity and Retention Programme					11,130,000	1,513,000	-	√		MEST	GAEC, NRA, NBA, E- WASTE
15	Eco-Levy Enforcement Compliance and Programme					2,000,000.00	3,000,000.00	-		√	E- WASTE FUND	EPA, GRA CUSTOMS
16	Climate-smart Agriculture and Agribusiness Development					15,982,400.00	11,713,000.00	28,608,000.00		√	GAEC- BNARI	CSIR-SARI CSIR-SRI MoFA- GIDA MoFA-CSD MoFA- PPRSD KYC Nations
GRAND TOTAL						1,615,636,555.40						

PROGRAMME FINANCING

Table 7: *Programme development financing*

Development Programme	Programme cost (A)	Expected Revenue and Sources of Funding			Total (B)	Gap (C)=(B-A)
		GoG	IGF	DPs		
Biodiversity Conservation and Protected Areas Programme	9,100,000.00	7,800,000.00	975,000.00	325,000.00	9,100,000.00	
Climate Resilience and Low-Carbon Development Programme	50,000,000.00	-	50,000,000.00	-	50,000,000.00	-
Integrated Waste Management and Circular Economy Programme	7,200,000.00	5,950,000.00	1,250,000.00		7,200,000.00	-
National Foundry and Precision Engineering Development Programme	500,000,000.00	500,000,000.00			500,000,000.00	-
Coastal and Marine Ecosystem Governance Programme	18,000,000,000.00	-	-	18,000,000,000.00	18,000,000,000.00	-
Sustainable management of the Extractive industry	39,141,855.56		39,141,855.56		39,141,855.56	-
Urban Environmental Quality and Pollution Control Programme	29,822,366.14		29,822,366.14		29,822,366.14	-

Development Programme	Programme cost (A)	Expected Revenue and Sources of Funding			Total (B)	Gap (C)=(B-A)
		GoG	IGF	DPs		
Agrochemical Regulation and Safe Pesticide use Programme	119,050,884.45	-	119,050,884.45	-	119,050,884.45	-
Environmental law Enforcement and regulatory Complain Program	154,341,182.46	-	154,341,182.46	-	154,341,182.46	-
Emissions Reduction Programme	7,455,591.54		7,455,591.54		7,455,591.54	
Climate Finance Access and Institutional Support Programme	15,235,564.00	-	15,235,564.00	-	15,235,564.00	-
Science, Research and Innovation Commercialization Programme	56,200,401.40	51,676,323.40	4,524,078.00		56,200,401.40	
Renewable and Nuclear Energy Development Programme	24,724,070.00	22,376,000.	500,000.00	18,48,070	24,724,070.00	
Capacity and Retention Programme	12,643,000.00	11,130,000	1,513,000		12,643,000.00	
Eco-Levy Enforcement and Compliance Programme	5,000,000.00	2,000,000.00	3,000,000.00		5,000,000.00	

Development Programme	Programme cost (A)	Expected Revenue and Sources of Funding			Total (B)	Gap (C)=(B-A)
		<i>GoG</i>	<i>IGF</i>	<i>DPs</i>		
Climate-smart Agriculture and Agribusiness Development	56,303,400.00	15,982,400.00	11,713,000.00	28,608,000.00	56,303,400.00	
GRAND TOTAL	23,586,218,315.55	103,164,723.40	198,282,416.00	28,608,000.00	23,586,218,315.55	

5.2 Strategic Environmental Assessment of Formulated Programmes

The purpose of this Strategic Environmental Assessment (SEA) is to systematically assess the environmental, social, and economic implications of the Sector’s programmes aimed at sustainable development. These programmes intersect across biodiversity, climate action, industrial growth, pollution control, agriculture, energy, and institutional governance. The SEA ensures that environmental sustainability is integrated into policy planning and decision-making at all levels.

5.2.1 Objectives of the Strategic Environmental Assessment (SEA)

1. Promote policy coherence and cross-sectoral integration.
2. Identify cumulative and synergistic impacts across programmes.
3. Enhance environmental governance, risk mitigation, and long-term sustainability.
4. Support alignment with national environmental strategies, the Sustainable Development Goals (SDGs), and climate commitments (NDCs, Paris Agreement).

Table 8: *Objectives of the Strategic Environmental Assessment (SEA)*

S/N	Programme	SEA Focus Area	Key Integration Strategies
1	Biodiversity Conservation and Protected Areas	Ecosystem services, habitat integrity	Baseline biodiversity assessments, ecological zoning, biodiversity offsets
2	Climate Resilience & Low-Carbon Development	GHG reduction, adaptation	Climate risk screening, scenario analysis, carbon footprinting
3	Waste Management & Circular Economy	Resource efficiency, pollution prevention	Life-cycle analysis, zero-waste targets, circular innovation
4	Foundry & Precision Engineering Development	Industrial pollution, resource use	Clean production technologies, emissions control planning
5	Coastal & Marine Governance	Marine spatial planning, coastal protection	Blue economy planning, ecosystem-based adaptation
6	Extractive Sector Management	Land degradation, water contamination	Strategic resource valuation, post-mining land-use planning
7	Urban Environmental Quality & Pollution Control	Air/water/soil quality	Urban sustainability indicators, green infrastructure integration
8	Agrochemical Regulation & Safe Pesticide Use	Soil and water contamination, public health	Risk assessment, safe-use protocols, organic alternatives
9	Environmental Law Enforcement & Compliance	Regulatory effectiveness	Environmental audit frameworks, compliance monitoring systems

S/N	Programme	SEA Focus Area	Key Integration Strategies
10	Emissions Reduction Programme	GHG monitoring and abatement	Marginal abatement cost curves, emissions tracking systems
11	Climate Finance Access & Institutional Support	Financial sustainability	SEA-aligned project preparation for green financing
12	Science, Research & Innovation Commercialization	Technology impact forecasting	Environmental foresight tools, innovation risk assessments
13	Renewable & Nuclear Energy Development	Energy transition risks	Cumulative impact analysis, decommissioning planning
14	Capacity & Retention Programme	Institutional and human capital	SEA training, knowledge management systems
15	E-waste Eco-Levy & Compliance	Toxic waste management	Extended producer responsibility, informal sector integration
16	Climate-smart Agriculture and Agribusiness Development	Soil carbon, water use efficiency	Sustainable land management, agroecological zoning

5.2.2 Monitoring and Evaluation

Key Indicators:

1. Biodiversity intactness index
2. Greenhouse gas (GHG) emissions reduction
3. Air and water quality indices
4. Waste recovery and recycling rates
5. Environmental Impact Assessment (EIA) compliance scores

5.3.3 Monitoring Tools:

1. Real-time environmental dashboards
2. Remote sensing and GIS platforms
3. Periodic policy and programme audits

CHAPTER SIX

ANNUAL ACTION PLANS

6.0 Introduction

The Annual Action Plans are a vital instrument for translating into MEST strategic objectives and Composite Development Programmes into concrete, time-bound activities to be implemented each year. These plans serve as a practical bridge between long-term sectoral goals and day-to-day implementation, offering a clear and structured roadmap for advancing the Ministry's priorities.

Each plan details specific initiatives, performance indicators, timelines, and responsible entities, ensuring a coherent, results-oriented approach to policy execution. In doing so, the Ministry fosters efficient resource allocation, strengthens inter-agency coordination, and supports timely service delivery across all thematic areas from environmental sustainability to science and technology integration.

By breaking down multi-year development objectives into manageable annual targets, the Ministry enhances transparency, reinforces institutional accountability, and enables systematic progress tracking. This also allows for evidence-based adjustments in response to emerging challenges, contextual shifts, or lessons learned. Through this dynamic and adaptive planning model, MEST remains responsive, forward-looking, and committed to delivering measurable results throughout the planning period.

6.1 2026 Annual Action Plan

6.1.1 Headquarters

Table 9: 2026 Annual Action Plan (Headquarters)

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : To build institutional capacity to access global climate funds for enhanced resilience initiatives													
Programme : Climate Finance, Access and Institutional Support Programme													
Landscaping and beautification of work environment	MEST HQ					90,000.00				X		MEST/Gen. Admin	Parks and Gardens, PPME, Procurement Unit
Procurement and deployment of Electronic Document and Records Management System (EDRMS)	MEST HQ					200,000.00				X		MEST/Gen. Admin.	RSIM/ICT unit/PRAAD/ Procurement
Acquisition of four (2) utility vehicles	MEST HQ					2,800,000.00				X		MEST/Gen. Admin.	Procurement Unit, PPMED, Transport Unit, MoF
E-requisition platform	Accra					200,000.00				X		Procurement Dir.	IT Unit

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Procurement Policy developed	Accra					200,000.00			200,000.00	X		Procurement Dir.	IT Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					X	MEST Internal Audit	MEST Directorates & Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5				-	X	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					X	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					X	MEST Internal Audit	MEST Directorates & Units

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective: Mainstream Science and Technology in all sectors of the economy													
Programme: Implementation of the National STI Policy													
TechConnect: Matchmaking & Commercialization Project						1,000,000					X	MES / STI	GEA, MOF
Implementation of the National STI Policy	National					5,000,000					X	MES / STI	CSIR
High Performance Computing (HPC) Center project	Accra					50,000,000					X	MES / STI	
Maintenance of the Science, Technology and Information Management Information System (STIMIS) project	Accra					1,000,000					X	MES / STI	GTEC
Biannual Environment, Science and Technology (BEST) Forum	Accra					5,000,000					X	MES / STI	MMDAs
Commercialization of Innovations under the Sankore Project	Accra					200,000			GH¢ 500,000		X	MES / STI	UNESCO / UKCEH / FCDO

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
National Science and Technology Park project	Accra					100,000,000					X	MEST / STI	CSIR, GAEC, UNIVERSITIES
Objective: Ensure improved fiscal performance and sustainability													
Programme: Sector Medium Term Budget Preparation and Implementation													
Prepare Sector Budget Performance Reports to MoF and Parliament	Accra					90,000.00					X	MEST/PPME	All Agencies & Directorate
Prepare and submit MEST Sector Annual Programme-Based Budget (PBB) to Parliament and MoF	Accra					700,000.00					X	MEST/PPME	All Agencies & Directorate
Prepare Sector Annual Action Plan (AAP).	Accra					90,000.00					X	MEST/PPME	All Agencies & Directorate
Objective: Improve policy coherence and alignment with national development goals													
Programme: Policy Formulation and Implementation													
Continue the implementation of the National Plastics Waste Management Policy	Nation wide					3,000,000.					X	MEST/PPME	All Agencies & Directorate
Continue the implementation of the National Electrical and	Nation wide					3,000,000.00				X		MEST/PPME	All Agencies & Directorate

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Electronic Waste Management Policy													
Continue the implementation of the National Textile Waste Policy	Nation wide					3,000,000.00				X		MES T/PP ME	All Agencies & Directorate
Objective: Reduce Environmental Pollution													
Programme: Monitoring and Evaluation of sector Projects and Programmes													
Undertake Quarterly M&E of MEST programmes/ projects/ activities.	Accra					1,200,000.00					X	MES T/PP ME	All Agencies & Directorate
Hold coordination meetings with Heads of Agencies to strengthen supervisory role over Agencies.	Accra					90,000.00					X	MES T/PP ME	All Agencies & Directorate
Prepare Quarterly and Annual Performance Reports	Accra					90,000.00					X	MES T/PP ME	All Agencies & Directorate
Prepare Progress Reports to NDPC	Accra					90,000.00					X	MES T/PP ME	All Agencies & Directorate
Implement the GEF-funded Project “Establishing A Circular Economy for Plastics Management in Ghana.	Accra								DP (10,893,121.31		X	MES T/PP ME	All Agencies & Directorate

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Operationalize the Foundry & Machine Tooling Center	Accra					8,000,000.00				X		MES T/PP ME	All Agencies & Directorate
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Research And Statistics Development Programme													
Research & Statistics Dev't Project	Nation wide					1,000,000.00					X	RSIM	GSS, AGENCIES, DIRECTORATES, NDPC, UNIVERSITIES, ISSER,
Science Granting Councils Initiative III	Worldwide					500,000.00					X	RSIM	DEVELOPMENT PARTNERS, ASSOCIATION OF AFRICAN UNIVERSITIES, AFRICAN CENTER FOR TECHNOLOGY

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Development and management of database	Accra					550,000.00					X	RSIM	AGENCIES, DIRECTORATES, MOC, NITA
Acquisition and Management of ICT Infrastructure	Accra					750,000.00					X	RSIM	AGENCIES, DIRECTORATES
Public Engagements and Media Relations Project	Nation wide					300,000.00					X	PUBLIC AFFAIRS UNIT	AGENCIES, DIRECTORATES, ISD, STATE MEDIA, PRIVATE MEDIA,
Information, Education and Communication Project	Nation wide					300,000.00					X	RSIM	AGENCIES, DIRECTORATES, ISD, PRIVATE MEDIA,
Establishment of an Open Science, Library and Documentation Unit	Accra					100,000.00					X	RSIM	DIRECTORATES, AGENCIES,

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													GHANA LIBRARY AUHTORITY, RESEARCH INSTITUTIONS, UNIVERSITIES, NITA
OBJECTIVE: Strengthening Institutional Framework Through Human Resource Development													
PROGRAMME: Training and Development													
Capacity Building and Staff Welfare	MEST HQ					3,500,000					X	HRM D	Directorates/ Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Climate Change Adaptation and Low-Carbon Development													
Evaluate national progress on SDG 13 and 15 related to climate and biodiversity	Nation wide					180,000.00				X		MES T/Cli mate Change Unit	

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Document and share lessons learned on Article 6 implementation	Accra					170,000.00				X		MES T/Climate Change Unit	
Objective: Reduce Environmental Pollution													
Programme: Biodiversity and Natural Resources Governance													
Launch integrated land use and biodiversity protection strategy	Nation wide					230,000.00				X		MES T/Biodiversity Unit	
Objective: Reduce Environmental Pollution													
Programme: Coastal Zone and Ocean Governance													
Conduct final evaluation of coastal resilience interventions	Coastal Zones					210,000.00					X	MES T/Marine/Spatial Unit	
Conduct environmental inspection and audit of selected industrial zones	Industrial Zones					220,000.00				X		MES T/Conventions Unit	

Project	Location	TIME FRAME				COST (GH¢)				PROJECT STATUS		IMPLEMENTATION INST. /DEPT.	
		Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Expand waste-to-energy pilot projects in urban centres	Kumasi / Accra					350,000.00					X	MES T/Conventions	
Host national competition on environmental science innovations	Nation wide					190,000.00				X		MES T/Conventions	

6.1.2 Agencies

Table 10: 2026 Annual Action Plan (Agencies)

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GH S)	DACF	IGF(G HS)	Others	New	Ongoing	Lead	Collaborating
Objective : Improve Forest and protected areas													
Programme :Biodiversity Conservation and Protected Areas Programme													
Conservation (exitu and in-situ) of genetic materials of resilient forest tree species and agricultural crops as well as research into forest management strategies and carbon sequestration.	Kumasi					1,587,500	0	155,000	1,562,500		√	CSIR-FORIG	CSIR-CRI, CSIR-PGRRIFC MoFA MEST
Capacity building of researchers in climate change, improvement in research infrastructre (Labs & Cold room), and the implementation of SFM strategies of restored degraded lands in forest areas	Accra/ Kumasi/					1,600,000	-	250,000	2,437,500		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-CRI FC MoFA MEST
Carbon trading capacity building to assess Climate fund (\$30 billion Global Fund), document	Kumasi/ CSIR-					142,500	-	115,000	175,000		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-SRI

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GH S)	DACF	IGF(G HS)	Others	New	Ongoing	Lead	Collaborating
improved climate- smart, indigenous agricultural knowledge and build resilience of vulnerable groups to climate change	FORIG												CSIR-CRI FC MoFA MEST
Objective : Mainstream science, technology and innovation in all socio-economic activities													
Programme : Food Security and Poverty Reduction													
Application of STI in foundry manufacturing and the strategic use and application of Nanotechnology and robotics to promote rapid industrialization.	Nation wide					3,975,000	-	300,000	3,325,000		√	CSIR-Head Office	CSIR-FORIG CSIR-SARI CSIR-SRI CSIR-CRI CSIR-INSTI MEST
Improvement in the operations of the Intellectual Property Rights to enhance registration of developed technologies to ensure returns on investment from research and promote commercialization of improved technologies	Accra					1,550,000	-	125,000	1,200,000		√	CSIR-Head Office	All CSIR Institutes MESTI MOFA

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GH S)	DACF	IGF(G HS)	Others	New	Ongoing	Lead	Collaborating
Strengthening the RELC, and upgrading and maintenance of the digitalised agriculture platforms (DAIH, WBSMG) to promote adoption of technologies/innovation	Nation wide					660,000	-	50,000	1,225,000		√	CSIR Head Office	All CSIR Institutes MoFA MESTI
Scaling up production of breeder and foundation seeds of climate resilient crop varieties and the development of new ones.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-CRI CSIR-SARI	CSIR-PGRRRI, CSIR-SRI MoFA MESTI
Fertilizer blending technology transfer to local companies to enhance supply.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-SRI	CSIR-CRI CSIR-SARI CSIR-OPRI MoFA MESTI
Upscale commercial production of ARIBRO parent stock for supply to hatcheries for day old chicks production and capacity building in cost effective local poultry feed production.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
On-farm and on-station verification demonstration research in various agro-ecologies to validate efficacy of developed improved technologies for dissemination and adoption by end-users	Accra, Tamale, Ho, Kumasi					62,500	-	16,250	300,000		√	CSIR-CRI CSIR-SARI	CSIR-PGRI CSIR-SRI CSIR-FORIG
Transfer of improved climate-smart technologies and practices to AEA and other stakeholders for dissemination to end-users						53,750	-	17,500	37,500		√	CSIR-CRI CSIR-SARI	CSIR-PGRI CSIR-SRI CSIR-FORIG
Capacity building of processors and actors in the various commodity value chains on post-harvest and value additions technologies and the strengthening of capacity of business incubation centres to facilitate successful						487,500	-	23,750	150,000		√	CSIR-FRI	CSIR-PGRI CSIR-CRI CSIR-FORIG CSIR-SARI CSIR-WRI CSIR-ARI

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
transfer of food processing innovations.													
Scale-up production of improved breed of goats, sheep, pigs, poultry and cattle for distribution to farmers						287,500	-	18,750	230,000		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI
Maintenance of aquaculture parks and culturing facilities (hatcheries, laboratories, and fish feed mills) and research into new resilient strains with high profitability and quality meat.						130,000	-	25,000	82,500		√	CSIR-WRI	CSIR-STEPRI MoFAD MoTAI WRC MEST
Objective : 1 Enhance access to clean and affordable energy													
Programme : Renewable and nuclear energy development programme													
Recruitment and capacity building	Accra									X		GAEC	
Refurbishment and equipping of SSDL	Accra					4,200,000		185,000			√	GAEC	MEST, MoF, IAEA
Renovation of Radioactive waste Processing Unit	Accra					875,000		250,000			√	GAEC	MEST, MoF, IAEA

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GH S)	DACF	IGF(G HS)	Others	New	Ongoing	Lead	Collaborating
Capacity building in National Emergency Preparedness and Response	Accra							250,000			√	GAEC	IAEA, MEST, MoF, MoI, NADMO
Site selection and stakeholder engagement	BNARI					315,000		105,000	1,050,000		√	GAEC-BNARI	CSIR-SARI CSIR-SRI MoFA-GIDA MoFA-CSD MoFA-PPRSD KYC Nations
Construct a design and genetic transformation	BNARI					75,000		15,000	75,000		√	GAEC-BNARI	CSIR-CRI
Continue generation and evaluation of mutant/hybrid lines	BNARI					135,000		45,000	450,000		√	GAEC-BNARI	UCC CSIR-CRI CSIR-SARI CSIR-PGRI
Feasibility study on E-Beam	BNARI					4,500,000		1,500,000	15,000,000	√		GAEC-BNARI	Private Sector (PPP), MOTI-GEPA, EXIM Bank
Stakeholder engagement and optimization of production protocol	BNARI					45,000		15,000	150,000	√		GAEC-BNARI	CSIR-ARI, MoFA, Ministry of fi
Optimization of protocols for composting	BNARI					22,500		7,500	75,000		√	GAEC-BNARI	IITA/World Veg

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
organic waste and BSF Frass													
10,000 plantain seedlings multiplied Produce 3,000 plantlets of Chrysanthemums	BNARI					13,500		4,500	45,000		√	GAEC-BNARI	-
Host 3 fellows, 50 interns and 3 experiential learning	BNARI					33,750		11,250	112,500		√	GAEC-BNARI	IAEA GAEC-SNAS UG UCC KNUST UENR UDS UEW AAMUSTED,
Farmer training and crop classification via satellite imagery	Bono East, Upper East, Volta					120,000		USD 10,000	USD 30,000	√		Ghana Space Agency	MoFA, CSIR, GSSTI
Real-time EO monitoring of wetlands, forests, and river systems	Western North, Eastern,					150,000		USD 15,000	USD 50,000	√		Ghana Space Agency	EPA, NADMO, GSSTI

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
	Savannah												
Development of illegal mining detection and risk alerts	Ashanti, Western, Upper West					180,000		USD 20,000	USD 60,000	√		Ghana Space Agency	MoD, NADMO, National Security, GSSTI
Integration of EO tools into district planning platforms	Greater Accra, Central, Northern					100,000		USD 10,000	USD 25,000	√		Ghana Space Agency	NDPC, MoLGRD, MMDAs
Construction and commissioning of ground station; capacity development	GAEC, SNAS, Technical Universities					400,000		50,000	100,000	√		Ghana Space Agency	SNAS, GAEC, MoE, GSSTI
Development of inter-ministerial dashboard and data-sharing protocol	National (central)					200,000		25,000	75,000	√		Ghana Space Agency	NDPC, MESTI, MoCD, GSSTI

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
	database with MDA access)												
Recruitment and capacity building	Accra										√	GAEC	
Capacity building in National Emergency Preparedness and Response	Accra										√	GAEC	IAEA, MEST, MoF, MoI, NADMO
Implement the Nuclear Information, Communication and Education Campaign	Nation-wide					4,175,200					√	GAEC	MEST, MoF, IAEA, US Department of Energy
Establish the National Technical and Scientific Support Organization	Accra					250,000				√		GAEC	MEST, MoF, IAEA
Support the owner/operator organization (Nuclear Power Ghana) with the detailed site studies	Accra					2,000,000		250,000			√	GAEC	NPG, Lands Commission, MEST, MoF, IAEA, Ghana Geological Survey

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GH S)	DACF	IGF(G HS)	Others	New	Ongoing	Lead	Collaborating
Acquire ISO 9001 certification	Accra					1,000,000				√		GAEC	MEST, MoF, IAEA
Establishment of Nuclear Leadership Programme	Accra					925,000					√	GAEC	MEST, MoF, IAEA, US Department of Energy
Objective : To reduce environmental pollution													
Programme : Prevention, controlling and reduction													
Develop and implement reclamation bond administration for small-scale mining	Nation wide							8,960,428.21			√	EPA	MESTI/Minerals Commission
Develop Environmental Quality Regulation for Air	Nation wide							3,413,496.46			√	EPA	MESTI/DVLA/GPS
Develop regulations for the management of Petroleum activities	Nation wide							8,960,428.21			√	EPA	MESTI, Petroleum Commission/AG
Undertake regular audits of the extractive industry to ensure compliance to permitting conditions	Nation wide							8,960,428.21			√	EPA	MESTI, Minerals Commission, Petroleum Commission

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Monitor selected sites Nationwide for air quality and pollutants, including PM10, PM 2.5, NO2, SO2	Nation wide							3,413,496.46			√	EPA	MESTI
Sample and analyse level of pollution of Effluent quality at discharge point	Nation wide							6,823,579.16			√	EPA	MESTI
Update of pesticide register annually to indicate list of approved, banned and pesticides for experimental purposes	Nation wide							8,960,428.21			√	EPA	MESTI
Give approval (EA and EMP permits) to companies for them to comply with Environmental Assessment (EA) regulations	Nation wide							8,960,428.21			√	EPA	MESTI
Monitor all permitted projects to ensure compliance with LI1652 (excluding the extractive sector)	Nation wide							8,960,428.21			√	EPA	MESTI/FID/NPA

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Prosecute environmental Offences	Nation wide							2,144,969.46			√	EPA	MESTI/ AGs Office/ Ghana Police Service
Establish and operationalize e-waste collection centres	Nation wide							11,469,348.12			√	EPA	MESTI
Commit to attain 45% emission reduction goal by 2030 compared to 2020 emission levels through implementation of carbon market programme	Nation wide							1,706,748.23			√	EPA	MESTI/MDAs /MMDAs
Improve compliance with sector specific EA guidelines and standards in the oil and gas exploration, and agriculture sectors	Nation wide							8,960,428.21			√	EPA	MESTI
Operationalise the National Oil Spill Plan	Nation wide							8,960,428.21			√	EPA	MESTI
Automate and operationalize EPA's permitting processes	Nation wide							8,960,428.21			√	EPA	MESTI/SIGA

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Establish 35 additional Area Offices for effective environmental management	Nation wide							22,532,442.38			√	EPA	MESTI/MoF
Intensify awareness on sound environmental management practices in communities and the general public	Nation wide							11,777,359.27			√	EPA	MESTI/MMDAs/Media
Intensify awareness on sound environmental management practices among interest groups such as schools, pesticide dealers, trade associations etc	Nation wide							11,777,359.27			√	EPA	MESTI/MMDAs/Media
Train key stakeholders on environmental issues	Nation wide							11,777,359.27			√	EPA	MESTI, MMDAs, CSOs, PEF
Objective: Reduce Environmental Pollution													
Programme: E-Waste/Eco levy Enforcement and Compliance													
Incentive Programmes	Accra, Koforidua, Kumasi, Tamal					250,000.00		5,000,000.00		√	√	E-Waste Fund	MEST, EPA, MMDAs

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
	e, Kasoa, Sekondi-Takoradi, Ashaiman												
E-Waste Awareness, Communication and Sensitization Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		550,000.00		√		E-Waste Fund	MEST, EPA, MMDAs.
Eco-Levy Compliance and Audit Strengthening Programme	Accra					250,000.00		200,000.00		√		E-Waste Fund	MEST, EPA

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Research and Data Systems Strengthening Programme	Nation wide					250,000.00		1,750,000.		√		E-Waste Fund	ACADEMIA, EPA
Scrap dealers / Informal Sector Formalization Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00			500,000.00	√	√	E-Waste Fund	MEST, EPA, MMDA
Monitoring, Evaluation, Accountability and Learning (MEAL) Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-					250,000.00		250,000.00		√		E-Waste Fund	MESTI, EPA, MMDAs

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
	Takoradi, Ashaiman												
Technical Support and Capacity Building for Recyclers Programme						250,000.00		250,000.00				E-Waste Fund	MEST, EPA
Objectives: Enhance the application of Science and Technology in all sectors of the economy													
Programme: Environmental Law Enforcement and Regulatory Compliance Program													
Nuclear Regulatory & Security Framework Project	NRA					492,625.2		187,750			√	NRA	Interested Parties, MESTI, Attorney General's Department and Ministry of Justice Parliamentary Select Committee
Nuclear Emergency Preparedness & Response Project	NRA, NADMO					615,781.5		235,024			√	NRA	(NADMO) (NSC)
Nuclear Regulatory Oversight & Fee Implementation Project	NRA					369,468.9		235,023			√	NRA	Ministry of Finance

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Nuclear Public Engagement & Education Project	NRA					369,468.9		141,264			√	NRA	Media Houses, Civil society organizations,
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Science, Research and Innovation Commercialization Programme													
Review of the law and expand the regulatory scope of mandate project	Accra					2,000,000		500,000		√		NBA	MEST, GRA-Customs, Mof, Nat. Sec, Psce,Dps
Staff capacity strengthening Programme	Accra					2,000,000		500,000			√	NBA	MEST, Mofa, Epa, Gsa, Fda, Mmdas, Wacci, Cri, Ucc
Office renovation project	Accra					800,000		200,000		√		NBA	Mest, Mof, Dps
Establishing and equipping a temporary molecular biology laboratory project	Accra					4,100,000		500,000		√		NBA	Mest, Mof, Dps, Psce
Construction and equipping of a permanent office building project at Boshye	Accra					8,000,000		2,000,000		√		NBA	Mest, Mof, Dps, Psce
Developing an integrated regulatory information	Accra					1,500,000		500,000		√		NBA	Mest, Moc, Dps

Project	Location	Q 1	Q 2	Q 3	Q 4	GoG (GHS)	DACF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
management system (IRIMS) project													
Establishing ISO 9001:2015 quality management system project	Accra					800,000		200,000		√		NBA	MEST, MOF, SGS, Dps
Integrating NBA's permit system unto the Customs Management System (ICUMS) project	Accra					100,000		50,000		√		NBA	Mest, Gra-Customs, Mof, Nat. Sec,
Market surveillance and farm monitoring project	Nation wide					1,000,000		200,000		√		NBA	Mest, Mofa, Fda, Gsa,
Undertake monitoring and evaluation of PoA	Accra					800,000		200,000		√		NBA	MEST, Dps,
Maintaining NBA office building project	Accra					400,000		100,000		√		NBA	MEST, MOF,Dps

6.2 2027 Annual Action Plan

6.2.1 Headquarters

Table 11: 2027 Annual Action Plan (Headquarters)

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : To build institutional capacity to access global climate funds for enhanced resilience initiatives													
Programme : Climate Finance, Access and Institutional Support Programme													
Landscaping and beautification of work environment	MEST HQ					90,000.00				√		MEST/Gen. Admin.	Parks and Gardens, PPME, Procurement Unit
Procurement and deployment of Electronic Document and Records Management System (EDRMS)	MEST HQ					200,000.00				√		MEST/Gen. Admin.	RSIM/ICT unit/PRAAD/Procurement
Acquisition of four (2) utility vehicles	MEST HQ					2,800,000.00				√		MEST/Gen. Admin.	Procurement Unit, PPMED, Transport Unit, MoF
E-requisition platform	Accra					200,000.00				√		Procurement Dir.	IT Unit
Procurement Policy developed	Accra					200,000.00			200,000.00	√		Procurement Dir.	IT Unit

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5				-	√	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Objective: Mainstream Science and Technology in all sectors of the economy													
Programme: Implementation of the National STI Policy													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
TechConnect: Matchmaking & Commercialization Project						1,000,000					√	MES T / STI	GEA, MOF
Implementation of the National STI Policy	National					5,000,000					√	MES T / STI	CSIR
High Performance Computing (HPC) Center project	Accra					50,000,000					√	MES T / STI	
Maintenance of the Science, Technology and Information Management Information System (STIMIS) project	Accra					1,000,000					√	MES T / STI	GTEC
Biannual Environment, Science and Technology (BEST) Forum	Accra					5,000,000					√	MES T / STI	MMDAs
Commercialization of Innovations under the Sankore Project	Accra					200,000			GH C 500, 000		√	MES T / STI	UNES- CO / UKCEH / FCDO
National Science and Technology Park project	Accra					100,000,000					√	MES T / STI	CSIR, GAEC, UNI- VER- SITIES

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective: Ensure improved fiscal performance and sustainability													
Programme: Sector Medium Term Budget Preparation and Implementation													
Prepare Sector Budget Performance Reports to MoF and Parliament	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare and submit MEST Sector Annual Programme-Based Budget (PBB) to Parliament and MoF	Accra					700,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Sector Annual Action Plan (AAP).	Accra					90,000.00					√		
Objective: Improve policy coherence and alignment with national development goals													
Programme: Policy Formulation and Implementation													
Continue the implementation of the National Plastics Waste Management Policy	Nation wide					3,000,000.					√	MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Electrical and Electronic Waste Management Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Textile Waste Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Reduce Environmental Pollution													
Programme: Monitoring and Evaluation of sector Projects and Programmes													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Undertake Quarterly M&E of MEST programmes/ projects/ activities.	Accra					1,200,000.00					√	MES T/PP ME	All Agencies & Directorate
Hold coordination meetings with Heads of Agencies to strengthen supervisory role over Agencies.	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Quarterly and Annual Performance Reports	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Progress Reports to NDPC	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Implement the GEF-funded Project “Establishing A Circular Economy for Plastics Management in Ghana.	Accra								DP (10,893,121.31		√	MES T/PP ME	All Agencies & Directorate
Operationalize the Foundry & Machine Tooling Center	Accra					8,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Research And Statistics Development Programme													
Research & Statistics Dev't Project	Nation wide					1,000,000.00					√	RSIM	GSS, AGENCIES, DIRECTORATES,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													NDPC, UNIVERSITIES, ISSER,
Science Granting Councils Initiative III	Worldwide					500,000.00					√	RSIM	DEVELOPMENT PARTNERS, ASSOCIATION OF AFRICAN UNIVERSITIES, AFRICAN CENTER FOR TECHNOLOGY
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Development and management of database	Accra					550,000.00					√	RSIM	AGENCIES, DIRECTORATES, MOC, NITA
Acquisition and Management of ICT Infrastructure	Accra					750,000.00					√	RSIM	AGENCIES, DIRECTORATES

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Public Engagements and Media Relations Project	Nation wide					300,000.00					√	PUBLIC AFFAIRS UNIT	AGENCIES, DIRECTORATES, ISD, STATE MEDIA, PRIVATE MEDIA,
Information, Education and Communication Project	Nation wide					300,000.00					√	RSIM	AGENCIES, DIRECTORATES, ISD, PRIVATE MEDIA,
Establishment of an Open Science, Library and Documentation Unit	Accra					100,000.00					√	RSIM	DIRECTORATES, AGENCIES, GHANA LIBRARY AUTHORITY, RESEARCH INSTITUTIONS, UNIVERSITIES, NITA
OBJECTIVE: Strengthening Institutional Framework Through Human Resource Development													
PROGRAMME: Training and Development													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Capacity Building and Staff Welfare	MEST HQ					3,500,000					√	HRM D	Directorates/ Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Climate Change Adaptation and Low-Carbon Development													
Evaluate national progress on SDG 13 and 15 related to climate and biodiversity	Nation wide					180,000.00				√		MES T/Climate Change Unit	
Document and share lessons learned on Article 6 implementation	Accra					170,000.00				√		MES T/Climate Change Unit	
Objective: Reduce Environmental Pollution													
Programme: Biodiversity and Natural Resources Governance													
Launch integrated land use and biodiversity protection strategy	Nation wide					230,000.00				√		MES T/Biodiversity Unit	
Objective: Reduce Environmental Pollution													
Programme: Coastal Zone and Ocean Governance													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Conduct final evaluation of coastal resilience interventions	Coastal Zones					210,000.00					√	MES T/Marine/Spatial Unit	
Conduct environmental inspection and audit of selected industrial zones	Industrial Zones					220,000.00				√		MES T/Conventions Unit	
Expand waste-to-energy pilot projects in urban centres	Kumasi / Accra					350,000.00					√	MES T/Conventions	
Host national competition on environmental science innovations	Nation wide					190,000.00				√		MES T/Conventions	

6.2.2 Agencies

Table 12: 2027 Annual Action Plan (Agencies) Cont'd

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : Improve Forest and protected areas													
Programme : Climate Change, Environmental Management and Green Technology													
Collection and Conservation of genetic materials of resilient forest tree species as well as research into forest management strategies and carbon sequestration	Kumasi					1,587,500	0	155,000	1,562,500		√	CSIR-FORIG	CSIR-CRI, CSIR-PGRRI FC MoFA MEST
Capacity building of researchers in climate change, improvement in research infrastructure (Labs & Cold room), and the implementation of SFM strategies of restored degraded lands in forest areas	Accra /Kumasi/					1,600,000	-	250,000	2,437,500		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-CRI FC MoFA MEST
Carbon trading capacity building to assess Climate fund (\$30 billion Global Fund), document improved climate- smart, indigenous agricultural knowledge and build resilience of	Kumasi/ CSIR - FORIG					142,500	-	115,000	175,000		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-SRI CSIR-CRI FC MoFA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
vulnerable groups to climate change													MEST
Objective : Mainstream science, technology and innovation in all socio-economic activities													
Programme : Food Security and Poverty Reduction													
Application of STI in foundry manufacturing and the strategic use and application of Nanotechnology and robotics to promote rapid industrialization.	Nationwide					3,975,000	-	300,000	3,325,000		√	CSIR-Head Office	CSIR-FORIG CSIR-SARI CSIR-SRI CSIR-CRI CSIR-INSTI MEST
Improvement in the operations of the Intellectual Property Rights to enhance registration of developed technologies to ensure returns on investment from research and promote commercialization of improved technologies	Accra					1,550,000	-	125,000	1,200,000		√	CSIR-Head Office	All CSIR Institutes MESTI MOFA
Strengthening the RELC, and upgrading and maintenance of the digitalised agriculture platforms (DAIH, WBSMG) to promote adoption of technologies/innovation	Nationwide					660,000	-	50,000	1,225,000		√	CSIR Office Head	All CSIR Institutes MoFA MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Scaling up production of breeder and foundation seeds of climate resilient crop varieties and the development of new ones.	Nationwide					633,333.3	-	31,666.7	295,833.33		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI, CSIR-SRI MoFA MESTI
Fertilizer blending technology transfer to local companies to enhance supply.	Nationwide					633,333.3	-	31,666.7	295,833.33		√	CSIR-SRI	CSIR-CRI CSIR-SARI CSIR-OPRI MoFA MESTI
Upscale commercial production of ARIBRO parent stock for supply to hatcheries for day old chicks production and capacity building in cost effective local poultry feed production.	Nationwide					633,333.3	-	31,666.7	295,833.33		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI
On-farm and on-station verification demonstration research in various agro-ecologies to validate efficacy of developed improved technologies for dissemination and adoption by end-users	Accra, Tamale, Ho, Kumasi					62,500	-	16,250	300,000		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI CSIR-SRI CSIR-FORIG
Transfer of improved climate-smart technologies and practices	Accra, Tamale					53,750	-	17,500	37,500		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI CSIR-SRI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
to AEAs and other stakeholders for dissemination to end-users	le, Ho, Kumasi												CSIR-FORIG
Capacity building of processors and actors in the various commodity value chains on post-harvest and value addition technologies and the strengthening of capacity of business incubation centres to facilitate successful transfer of food processing innovations.	Accra, Tamale, Ho, Kumasi					487,500	-	23,750	150,000		√	CSIR-FRI	CSIR-PGRI CSIR-CRI CSIR-FORIG CSIR-SARI CSIR-WRI CSIR-ARI
Scale-up production of improved breed of goats, sheep, pigs, poultry and cattle for distribution to farmers	Accra, Tamale, Ho, Kumasi					287,500	-	18,750	230,000		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI
Maintenance of aquaculture parks and culturing facilities (hatcheries, laboratories, and fish feed mills) and research into new resilient strains with high profitability and quality meat.	Accra, Tamale, Ho,					130,000	-	25,000	82,500		√	CSIR-WRI	CSIR-STEPRI MoFAD MoTAI WRC MEST

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
	Kumasi												
Objective: Enhance access to clean and affordable energy													
Programme: Develop, implement and maintain a safe, secure and sustainable nuclear power programme													
Recruitment and capacity building	Accra	x	x	x	x						√	GAEC	
Refurbishment and equipping of Gamma Lab	Accra					3,825,000		375,000			√	GAEC	MEST, MoF, IAEA
Procurement of equipment for the Radioactive Waste Processing Unit	Accra					3,085,000		250,000			√	GAEC	MEST, MoF, IAEA
Procurement of equipment Emergency Preparedness and Response	Accra					895,000					√	GAEC	IAEA, MEST, MoF, MoI, NADMO
Phenotyping, Genotyping and backcrossing	BNARI/CSIR-CRI					60,000		10,500	60,000		√	GAEC-BNARI	CSIR-CRI
Characterized mutant/hybrid cassava lines ready for field trials	BNARI					135,000		45,000	450,000		√	GAEC-BNARI	UCC CSIR-CRI CSIR-SARI CSIR-PGRRI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Establishment of business case and development of business plan	BNARI					9,000,000		3,000,000	30,000	√		GAEC-BNARI	CSRI-ARI, MoFA, Ministry of fi
Training and capacity building in livestock and aquaculture	BNARI					45,000		15,000	150,000		√	GAEC-BNARI	IITA/World Veg
10,000 plantain seedlings multiplied Produce 3,000 plantlets of Chrysanthemums	BNARI					13,500		750,000	75,000		√	GAEC-BNARI	RAMSRI, NNRI SNAS
Host 3 fellows, 50 interns and 3 experiential learning	BNARI					33,750		10,000	30,000	√		Ghana Space Agency	MoFA, CSIR, GSSTI
Farmer training and crop classification via satellite imagery	Bono East, Upper East, Volta					120,000		15,000	50,000	√		Ghana Space Agency	EPA, NADMO, GSSTI
Real-time EO monitoring of wetlands, forests, and river systems	Western, Eastern, Volta					180,000		USD 20,000	USD 60,000	√		Ghana Space Agency	MoD, NADMO, National Security, GSSTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
	Savannah												
Development of illegal mining detection and risk alerts	Ashanti, Western, Upper West					100,000		USD 10,000	USD 25,000	√		Ghana Space Agency	NDPC, MoLGRD, MMDAs
Integration of EO tools into district planning platforms	Greater Accra, Central, Northern					400,000		50,000	100,000	√		Ghana Space Agency	SNAS, GAEC, MoE, GSSTI
Construction and commissioning of ground station; capacity development	GAE C, SNAS, Technical Universities					200,000		25,000	75,000	√		Ghana Space Agency	NDPC, MESTI, MoCD, GSSTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Development of inter-ministerial dashboard and data-sharing protocol	National (central database with MDA access)										√	GAEC	
Recruitment and capacity building	Accra					575,000		185,000			√	GAEC	MEST, MoF, IAEA
Refurbishment and equipping of Gamma Lab	Accra					20,000		250,000			√	GAEC	MEST, MoF, IAEA
Capacity building in National Emergency Preparedness and Response	Accra										√	GAEC	IAEA, MEST, MoF, MoI, NADMO
Implement the Nuclear Information, Communication and Education Campaign	Nation-wide					4,175,200					√	GAEC	MEST, MoF, IAEA, US Department of Energy

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Establish the National Technical and Scientific Support Organization	Accra					250,000				√		GAEC	MEST, MoF, IAEA
Support the owner/operator organization (Nuclear Power Ghana) with the detailed site studies	Accra					2,000,000		250,000			√	GAEC	NPG, Lands Commission, MEST, MoF, IAEA, Ghana Geological Survey
Acquire ISO 9001 certification	Accra					1,000,000				√		GAEC	MEST, MoF, IAEA
Establishment of Nuclear Leadership Programme	Accra					925,000					√	GAEC	MEST, MoF, IAEA, US Department of Energy
Capacity building in National Emergency Preparedness and Response	Accra					925,000					√	GAEC	MEST, VRA, MoF
Objective : Reduce environmental pollution													
Programme : Prevention, controlling and reduction													
Develop and implement reclamation bond administration for small-scale mining	Nationwide							9,254,			√	EPA	MESTI/Mine rals Commission

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
								773.02					
Develop Environmental Quality Regulation for Air	Nationwide							3,525,627.82			√	EPA	MESTI/DVLA/GPS
Develop regulations for the management of Petroleum activities	Nationwide							9,254,773.02			√	EPA	MESTI, Petroleum Commission/AG
Undertake regular audits of the extractive industry to ensure compliance to permitting conditions	Nationwide							9,254,773.02			√	EPA	MESTI, Minerals Commission, Petroleum Commission
Monitor selected sites Nationwide for air quality and pollutants, including PM10, PM 2.5, NO2, SO2	Nationwide							3,525,627.82			√	EPA	MESTI
Sample and analyse level of pollution of Effluent quality at discharge point	Nationwide							7,047,729.72			√	EPA	MESTI
Update of pesticide register annually to indicate list of	Nationwide							9,254,			√	EPA	MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
approved, banned and pesticides for experimental purposes								773.02					
Give approval (EA and EMP permits) to companies for them to comply with Environmental Assessment (EA) regulations	Nationwide							9,254,773.02			√	EPA	MESTI
Monitor all permitted projects to ensure compliance with LI1652 (excluding the extractive sector)	Nationwide							9,254,773.02			√	EPA	MESTI/FID/NPA
Prosecute environmental Offences	Nationwide							2,215,430.45			√	EPA	MESTI/ AGs Office/ Ghana Police Service
Establish and operationalize e-waste collection centres	Nationwide							11,846,109.46			√	EPA	MESTI
Commit to attain 45% emission reduction goal by 2030 compared to 2020 emission levels through implementation of carbon market programme	Nationwide							1,762,813.91			√	EPA	MESTI/MDAs/MMDAs
Improve compliance with sector specific EA guidelines and	Nationwide							9,254,			√	EPA	MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
standards in the oil and gas exploration, and agriculture sectors								773.02					
Operationalise the National Oil Spill Plan	Nationwide							9,254,773.02			√	EPA	MESTI
Automate and operationalize EPA's permitting processes	Nationwide							9,254,773.02			√	EPA	MESTI/SIGA
Establish 35 additional Area Offices for effective environmental management	Nationwide							23,272,619.87			√	EPA	MESTI/MoF
Intensify awareness on sound environmental management practices in communities and the general public	Nationwide							12,164,238.60			√	EPA	MESTI/MM DAs/Media
Intensify awareness on sound environmental management practices among interest groups	Nationwide							12,164,238.60			√	EPA	MESTI/MM DAs/Media

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
such as schools, pesticide dealers, trade associations etc								8.60					
Train key stakeholders on environmental issues	Nationwide							12,164,238.60			√	EPA	MESTI, MMDAs, CSOs, PEF
Objective: Provide financial resources for the management of electrical and electronic waste and to reduce its adverse impact on human health and the environment													
E-Waste HOC establishment	Kumasi					1,000,000			30,000,000.00	√		E-Waste Fund	MEST, EPA
Incentive Programmes	Accra, Koforidua, Kumasi, Tamale, Kaso, Sekondi-					250,000.00		5,000.00		√	√	E-Waste Fund	MEST, EPA, MMDAs

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
	Takoradi, Ashaiman												
Eco-Levy Compliance and Audit Strengthening Programme	Accra					250,000.00		200,000.00		√		E-Waste Fund	MEST, EPA
Research and Data Systems Strengthening Programme	Nationwide					250,000.00		1,750,000.00		√		E-Waste Fund	ACADEMIA, EPA
Technical Support and Capacity Building for Recyclers Programme	Accra, Kumasi					250,000.00		250,000.00			√	E-Waste Fund	MEST, EPA,
Objectives: Strengthen the Regulatory Framework through improved emergency preparedness, skilled workforce, sustainable financing, and active public engagement.													
Programme: Regulatory Framework Enhancement Program													
Nuclear Regulatory & Security Framework Project	NRA					492,625.2		187,750			√	NRA	Interested Parties, MESTI, Attorney General's Department

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
													and Ministry of Justice Parliamentary Select Committee
Nuclear Emergency Preparedness & Response Project	NRA, NADMO					615,781.5		235,024			√	NRA	(NADMO) (NSC)
Human Resources Planning	NRA					615,781.5		235,024			√	NRA	IAEA, PSWC, FWSC, EU-INSC, Ministry of Finance, and Ministry of Employment and Labour Relations
Programme: :: Revenue & Cost Recovery Optimization Program													
Nuclear Regulatory Oversight & Fee Implementation Project	NRA					369,468.9		235,023			√	NRA	Ministry of Finance
Programme: Public Awareness & Stakeholder Trust Enhancement Program													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Nuclear Public Engagement & Education Project	NRA					369,468.9		141,264			√	NRA	Media Houses, Civil society organizations ,
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Review of the law and expand the regulatory scope of mandate project	Accra					2,000,000		500,000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE,DPs
Staff capacity strengthening Programme	Accra					2,000,000		500,000			√	NBA	MEST, MOFA, EPA, GSA, FDA, MMDAS, WACCI, CRI, UCC
Remodelling the current office project	Accra					800,000		200,000		√		NBA	MEST, MOF, DPs
Establishing and equipping a temporary molecular biology laboratory project	Accra					4,100,000		500,000		√		NBA	MEST, MOF, DPs, PSCE

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IG F(GHS)	Others	New	Ongoing	Lead	Collaborating
Construction and equipping of a permanent office building project at Boshye	Accra					8,000,000		2,000,000		√		NBA	MEST, MOF, DPs, PSCE
Developing an integrated regulatory information management system (IRIMS) project	Accra					1,500,000		500,000		√		NBA	MEST, MOC, DPs
Establishing ISO 9001:2015 quality management system project	Accra					800,000		200,000		√		NBA	MEST, MOF, SGS, DPs
Integrating NBA's permit system unto the Customs Management System (ICUMS) project	Accra					100,000		50,000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE, DPs
Market surveillance and farm monitoring project	Nationwide					1,000,000		200,000		√		NBA	MEST, MOFA, FDA, GSA, PPRSD, VSD, GRA-CUSTOMS
Undertake monitoring and evaluation of PoA	Accra					800,000		200,000		√		NBA	MEST, DPs,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAC F	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Maintaining NBA office building project	Accra					400,000		100,000		√		NBA	MEST, MOF, DPs

6.3 2028 Annual Action Plan

6.3.1 Headquarters

Table 13: 2028 Annual Action Plan (Headquarters)

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : To build institutional capacity to access global climate funds for enhanced resilience initiatives													
Programme : Climate Finance, Access and Institutional Support Programme													
Landscaping and beautification of work environment	MEST HQ					90,000.00				√		MEST/Gen. Administration	Parks and Gardens, PPME, Procurement Unit

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Procurement and deployment of Electronic Document and Records Management System (EDRMS)	MEST HQ					200,000.00				√		MESTI/Gen. Admin.	RSIM/ICT unit/PRAAD/Procurement
Acquisition of four (2) utility vehicles	MEST HQ					2,800,000.00				√		MESTI/GA	Procurement Unit, PPMED, Transport Unit, MoF
E-requisition platform	Accra					200,000.00				√		Procurement Dir.	IT Unit
Procurement Policy developed	Accra					200,000.00			200,000.00	√		Procurement Dir.	IT Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5				-	√	MEST Internal Audit	MEST Directorates & Units

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Objective: Mainstream Science and Technology in all sectors of the economy													
Programme: Implementation of the National STI Policy													
TechConnect: Matchmaking & Commercialization Project						1,000,000					√	MEST / STI	GEA, MOF
Implementation of the National STI Policy	National					5,000,000					√	MEST / STI	CSIR
High Performance Computing (HPC) Center project	Accra					50,000,000					√	MEST / STI	
Maintenance of the Science, Technology and Information Management Information System (STIMIS) project	Accra					1,000,000					√	MEST / STI	GTEC

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Biannual Environment, Science and Technology (BEST) Forum	Accra					5,000,000					√	MES T / STI	MMDAs
Commercialization of Innovations under the Sankore Project	Accra					200,000			GH C 500, 000		√	MES T / STI	UNES- CO / UKCEH / FCDO
National Science and Technology Park project	Accra					100,000,000					√	MES T / STI	CSIR, GAEC, UNI- VER- SITIES
Objective: Ensure improved fiscal performance and sustainability													
Programme: Sector Medium Term Budget Preparation and Implementation													
Prepare Sector Budget Performance Reports to MoF and Parliament	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare and submit MEST Sector Annual Programme-Based Budget (PBB) to Parliament and MoF	Accra					700,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Sector Annual Action Plan (AAP).	Accra					90,000.00					√		
Objective: Improve policy coherence and alignment with national development goals													
Programme: Policy Formulation and Implementation													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Continue the implementation of the National Plastics Waste Management Policy	Nation wide					3,000,000.					√	MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Electrical and Electronic Waste Management Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Textile Waste Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Reduce Environmental Pollution													
Programme: Monitoring and Evaluation of sector Projects and Programmes													
Undertake Quarterly M&E of MEST programmes/ projects/ activities.	Accra					1,200,000.00					√	MES T/PP ME	All Agencies & Directorate
Hold coordination meetings with Heads of Agencies to strengthen supervisory role over Agencies.	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Quarterly and Annual Performance Reports	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Progress Reports to NDPC	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Implement the GEF-funded Project “Establishing A Circular Economy for Plastics Management in Ghana.	Accra								DP (10,893,121.31		√	MES T/PP ME	All Agencies & Directorate
Operationalize the Foundry & Machine Tooling Center	Accra					8,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Research And Statistics Development Programme													
Research & Statistics Dev't Project	Nation wide					1,000,000.00					√	RSIM	GSS, AGENCIES, DIRECTORATES, NDPC, UNIVERSITIES, ISSER,
Science Granting Councils Initiative III	Worldwide					500,000.00					√	RSIM	DEVELOPMENT PARTNERS, ASSOCIATION OF AFRICAN UNIVERSITIES, AFRICAN CENTER

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													FOR TECHNOLOGY
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Development and management of database	Accra					550,000.00					√	RSIM	AGENCIES, DIRECTORATES, MOC, NITA
Acquisition and Management of ICT Infrastructure	Accra					750,000.00					√	RSIM	AGENCIES, DIRECTORATES
Public Engagements and Media Relations Project	Nation wide					300,000.00					√	PUBLIC AFFAIRS UNIT	AGENCIES, DIRECTORATES, ISD, STATE MEDIA, PRIVATE MEDIA,
Information, Education and Communication Project	Nation wide					300,000.00					√	RSIM	AGENCIES, DIRECTORATES, ISD, PRIVATE MEDIA,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Establishment of an Open Science, Library and Documentation Unit	Accra					100,000.00					√	RSIM	DIRECTORATES, AGENCIES, GHANA LIBRARY AUHTORITY, RESEARCH INSTITUTIONS, UNIVERSITIES, NITA
OBJECTIVE: Strengthening Institutional Framework Through Human Resource Development													
PROGRAMME: Training and Development													
Capacity Building and Staff Welfare	MEST HQ					3,500,000					√	HRM D	Directorates/ Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Climate Change Adaptation and Low-Carbon Development													
Evaluate national progress on SDG 13 and 15 related to climate and biodiversity	Nation wide					180,000.00				√		MES T/Climate Change Unit	

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Document and share lessons learned on Article 6 implementation	Accra					170,000.00				√		MES T/Climate Change Unit	
Objective: Reduce Environmental Pollution													
Programme: Biodiversity and Natural Resources Governance													
Launch integrated land use and biodiversity protection strategy	Nation wide					230,000.00				√		MES T/Biodiversity Unit	
Objective: Reduce Environmental Pollution													
Programme: Coastal Zone and Ocean Governance													
Conduct final evaluation of coastal resilience interventions	Coastal Zones					210,000.00					√	MES T/Marine/Spatial Unit	
Conduct environmental inspection and audit of selected industrial zones	Industrial Zones					220,000.00				√		MES T/Conventions Unit	
Expand waste-to-energy pilot projects in urban centres	Kumasi / Accra					350,000.00					√	MES T/Con	

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
												ventions	
Host national competition on environmental science innovations	Nation wide					190,000.00				√		MES T/Conventions	

6.3.2 Agencies

Table 14: 2028 Annual Action Plan (Agencies)

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : Improve Forest and protected areas													
Programme : Climate Change, Environmental Management and Green Technology													
Collection and Conservation of genetic materials of resilient forest tree species as well as research	Kumasi					1,587,500	0	155,000	1,562,500		√	CSIR-FORIG	CSIR-CRI, CSIR-PGRI, FC MoFA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
into forest management strategies and carbon sequestration													MEST
Capacity building of researchers in climate change, improvement in research infrastructure (Labs & Cold room), and the implementation of SFM strategies of restored degraded lands in forest areas	Accra/ Kumasi /					1,600,000	-	250,000	2,437,500		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-CRI FC MoFA MEST
Carbon trading capacity building to assess Climate fund (\$30 billion Global Fund), document improved climate-smart, indigenous agricultural knowledge and build resilience of vulnerable groups to climate change	Kumasi / CSIR-FORIG					142,500	-	115,000	175,000		√	CSIR-FORIG	CSIR-Head Office CSIR-SARI CSIR-SRI CSIR-CRI FC MoFA MEST
Objective : Mainstream science, technology and innovation in all socio-economic activities													
Programme : Food Security and Poverty Reduction													
Application of STI in foundry manufacturing and the strategic use and application of Nanotechnology and robotics to promote rapid industrialization.	Nation wide					3,975,000	-	300,000	3,325,000		√	CSIR-Head Office	CSIR-FORIG CSIR-SARI CSIR-SRI CSIR-CRI CSIR-INSTI MEST

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Improvement in the operations of the Intellectual Property Rights to enhance registration of developed technologies to ensure returns on investment from research and promote commercialization of improved technologies	Accra					1,550,000	-	125,000	1,200,000		√	CSIR-Head Office	All CSIR Institutes MESTI MOFA
Strengthening the RELC, and upgrading and maintenance of the digitalised agriculture platforms (DAIH, WBSMG) to promote adoption of technologies/innovation	Nation wide					660,000	-	50,000	1,225,000		√	CSIR Head Office	All CSIR Institutes MoFA MESTI
Scaling up production of breeder and foundation seeds of climate resilient crop varieties and the development of new ones.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI, CSIR-SRI MoFA MESTI
Fertilizer blending technology transfer to local companies to enhance supply.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-SRI	CSIR-CRI CSIR-SARI CSIR-OPRI MoFA MESTI
Upscale commercial production of ARIBRO parent stock for supply to hatcheries for day old chicks production and capacity building	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
in cost effective local poultry feed production.													
On-farm and on-station verification demonstration research in various agro-ecologies to validate efficacy of developed improved technologies for dissemination and adoption by end-users	Accra, Tamale, Ho, Kumasi					62,500	-	16,250	300,000		√	CSIR-CRI CSIR-SARI	CSIR-PGRI CSIR-SRI CSIR-FORIG
Transfer of improved climate-smart technologies and practices to AEAs and other stakeholders for dissemination to end-users						53,750	-	17,500	37,500		√	CSIR-CRI CSIR-SARI	CSIR-PGRI CSIR-SRI CSIR-FORIG
Capacity building of processors and actors in the various commodity value chains on post-harvest and value additions technologies and the strengthening of capacity of business incubation centres to facilitate successful transfer of food processing innovations.						487,500	-	23,750	150,000		√	CSIR-FRI	CSIR-PGRI CSIR-CRI CSIR-FORIG CSIR-SARI CSIR-WRI CSIR-ARI
Scale-up production of improved breed of goats, sheep, pigs, poultry and cattle for distribution to farmers						287,500	-	18,750	230,000		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Maintenance of aquaculture parks and culturing facilities (hatcheries, laboratories, and fish feed mills) and research into new resilient strains with high profitability and quality meat.						130,000	-	25,000	82,500		√	CSIR-WRI	CSIR-STEPRI MoFAD MoTAI WRC MEST
Objective : 1 Enhance access to clean and affordable energy													
Programme : Develop, implement and maintain a safe, secure and sustainable nuclear power programme													
Recruitment and capacity building	Accra	x	x	x	x						√	GAEC	
Refurbishment and equipping of Gamma Lab	Accra					3,825,000		375,000			√	GAEC	MEST, MoF, IAEA
Procurement of equipment for the Radioactive Waste Processing Unit	Accra					3,085,000		250,000			√	GAEC	MEST, MoF, IAEA
Procurement of equipment Emergency Preparedness and Response	Accra					895,000					√	GAEC	IAEA, MEST, MoF, MoI, NADMO
Establishment of farmer demonstration trials	Okyereko/Asutwure/Weta/Hohoe/Akpafu/Kadjebi/					540,000		180,000	1,800,000	√		GAEC - BNARI	CSIR-SARI CSIR-SRI MoFA-GIDA MoFA-CSD MoFA-PPRS KYC Nations

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	Golinga /Botanga /Kumbungu												
Phenotyping, Genotyping and backcrossing	BNARI /CSIR-CRI					60,000		10,500	60,000		√	GAEC - BNARI	CSIR-CRI
Characterized mutant/hybrid cassava lines ready for field trials	BNARI					135,000		45,000	450,000		√	GAEC - BNARI	UCC CSIR-CRI CSIR-SARI CSIR-PGRI
Establishment of farmer demonstration trials	Mafi Kumase/ Anomwobi/ Esuboi/ Bodwease/ Asewewa/ Akatsi Coaltar/ Kokoomu					315,000		105,000	1,050,000	√		GAEC - BNARI	Private Sector (PPP), MOTI-GEPA, EXIM Bank

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	Adeiso/ Adawso												
Establishment of business case and development of business plan	BNARI					9,000,000		3,000,000	30,000,000	√		GAEC - BNARI	CSRI-ARI, MoFA, Ministry of fi
Training and capacity building in livestock and aquaculture	BNARI					45,000		15,000	150,000		√	GAEC - BNARI	IITA/World Veg
Standardization and registration of organic fertilizer	BNARI /MoFA-PPRSD /University of Ghana					67,500		4,500	45,000		√	GAEC - BNARI	-
10,000 plantain seedlings multiplied Produce 3,000 plantlets of Chrysanthemums	BNARI					13,500		750,000	75,000		√	GAEC - BNARI	RAMSRI, NNRI SNAS
Organize 3 workshops and seminars	BNARI					225,000		11,250	112,500		√	GAEC - BNARI	IAEA GAEC-SNAS UG UCC KNUST

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													UENR UDS UEW AAMUSTED,
Host 3 fellows, 50 interns and 3 experiential learning	BNARI					33,750		10,000	30,000	√		Ghana Space Agency	MoFA, CSIR, GSSTI
Farmer training and crop classification via satellite imagery	Bono East, Upper East, Volta					120,000		15,000	50,000	√		Ghana Space Agency	EPA, NADMO, GSSTI
Real-time EO monitoring of wetlands, forests, and river systems	Western North, Eastern, Savannah					180,000		USD 20,000	USD 60,000	√		Ghana Space Agency	MoD, NADMO, National Security, GSSTI
Development of illegal mining detection and risk alerts	Ashanti, Western, Upper West					100,000		USD 10,000	USD 25,000	√		Ghana Space Agency	NDPC, MoLGRD, MMDAs

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Integration of EO tools into district planning platforms	Greater Accra, Central, Northern					400,000		50,000	100,000	√		Ghana Space Agency	SNAS, GAEC, MoE, GSSTI
Construction and commissioning of ground station; capacity development	GAEC, SNAS, Technical Universities					200,000		25,000	75,000	√		Ghana Space Agency	NDPC, MESTI, MoCD, GSSTI
Development of inter-ministerial dashboard and data-sharing protocol	National (central database with MDA access)										√	GAEC	
Recruitment and capacity building	Accra					575,000		185,000			√	GAEC	MEST, MoF, IAEA
Refurbishment and equipping of Gamma Lab	Accra					20,000		250,000			√	GAEC	MEST, MoF, IAEA
Capacity building in National Emergency Preparedness and Response	Accra										√	GAEC	IAEA, MEST, MoF, MoI, NADMO

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Implement the Nuclear Information, Communication and Education Campaign	Nation-wide					4,175,200					√	GAEC	MEST, MoF, IAEA, US Department of Energy
Establish the National Technical and Scientific Support Organization	Accra					250,000				√		GAEC	MEST, MoF, IAEA
Support the owner/operator organization (Nuclear Power Ghana) with the detailed site studies	Accra					2,000,000		250,000			√	GAEC	NPG, Lands Commission, MEST, MoF, IAEA, Ghana Geological Survey
Acquire ISO 9001 certification	Accra					1,000,000				√		GAEC	MEST, MoF, IAEA
Establishment of Nuclear Leadership Programme	Accra					925,000					√	GAEC	MEST, MoF, IAEA, US Department of Energy
Capacity building in National Emergency Preparedness and Response	Accra					925,000					√	GAEC	MEST, VRA, MoF
Objective : To reduce environmental pollution													
Programme : Prevention, controlling and reduction													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Develop and implement reclamation bond administration for small-scale mining	Nation wide							10,073,801.36			√	EPA	MESTI/Minerals Commission
Develop Environmental Quality Regulation for Air	Nation wide							3,837,638.61			√	EPA	MESTI/DVLA/GPS
Develop regulations for the management of Petroleum activities	Nation wide							10,073,801.36			√	EPA	MESTI, Petroleum Commission/AG
Undertake regular audits of the extractive industry to ensure compliance to permitting conditions	Nation wide							10,073,801.36			√	EPA	MESTI, Minerals Commission, Petroleum Commission
Monitor selected sites Nationwide for air quality and pollutants, including PM10, PM 2.5, NO2, SO2	Nation wide							3,837,638.61			√	EPA	MESTI
Sample and analyse level of pollution of Effluent quality at discharge point	Nation wide							7,671,439.28			√	EPA	MESTI
Update of pesticide register annually to indicate list of approved, banned and pesticides for experimental purposes	Nation wide							10,073,801.36			√	EPA	MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF(GHS)	Oth ers	New	Ongoi ng	Lead	Collaboratin g
Give approval (EA and EMP permits) to companies for them to comply with Environmental Assessment (EA) regulations	Nation wide							10,073,801.36			√	EPA	MESTI
Monitor all permitted projects to ensure compliance with LI1652 (excluding the extractive sector)	Nation wide							10,073,801.36			√	EPA	MESTI/FID/NPA
Prosecute environmental Offences								2,411,491.48			√	EPA	MESTI/ AGs Office/ Ghana Police Service
Establish and operationalize e-waste collection centres	Nation wide							12,894,465.74			√	EPA	MESTI
Commit to attain 45% emission reduction goal by 2030 compared to 2020 emission levels through implementation of carbon market programme	Nation wide							1,918,819.31			√	EPA	MESTI/MDAs/MMDAs
Improve compliance with sector specific EA guidelines and standards in the oil and gas exploration, and agriculture sectors	Nation wide							10,073,801.36			√	EPA	MESTI
Operationalise the National Oil Spill Plan	Nation wide							10,073,801.36			√	EPA	MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Automate and operationalize EPA's permitting processes	Nation wide							10,073,801.36			√	EPA	MESTI/SIGA
Establish 35 additional Area Offices for effective environmental management	Nation wide							25,332,198.78			√	EPA	MESTI/MoF
Intensify awareness on sound environmental management practices in communities and the general public	Nation wide							13,240,748.65			√	EPA	MESTI/MMD As/Media
Intensify awareness on sound environmental management practices among interest groups such as schools, pesticide dealers, trade associations etc	Nation wide							13,240,748.65			√	EPA	MESTI/MMD As/Media
Train key stakeholders on environmental issues	Nation wide							13,240,748.65			√	EPA	MESTI, MMDAs, CSOs, PEF
Objective: Provide financial resources for the management of electrical and electronic waste and to reduce its adverse impact on human health and the environment													
E-Waste HOC establishment	Kumasi					1,000,000			30,000,000.00	√			MEST, EPA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Incentive Programmes	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		5,000.000.00		√	√	E-Waste Fund	MEST, EPA, MMDAs
E-Waste Awareness, Communication and Sensitization Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		550,000.00		√		E-Waste Fund	MEST, EPA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Eco-Levy Compliance and Audit Strengthening Programme	Accra					250,000.00		200,000.00		√		E-Waste Fund	MEST, EPA
Research and Data Systems Strengthening Programme	Nation wide					250,000.00		1,750,000.00		√		E-Waste Fund	ACADEMIA, EPA
Monitoring, Evaluation, Accountability and Learning (MEAL) Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		250,000.00		√		E-Waste Fund	MESTI, EPA, MMDAs
Technical Support and Capacity Building for Recyclers Programme	Accra, Kumasi					250,000.00		250,000.00			√	E-Waste Fund	MEST, EPA,
Objectives: Strengthen the Regulatory Framework through improved emergency preparedness, skilled workforce, sustainable financing, and active public engagement.													
Programme: Regulatory Framework Enhancement Program													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Nuclear Regulatory & Security Framework Project	NRA					492,625.2		187,750			√	NRA	Interested Parties, MESTI, Attorney General's Department and Ministry of Justice Parliamentary Select Committee
Nuclear Emergency Preparedness & Response Project	NRA, NADMO					615,781.5		235,024			√	NRA	(NADMO) (NSC)
Human Resources Planning	NRA					615,781.5		235,024			√	NRA	IAEA, PSWC, FWSC, EU-INSC, Ministry of Finance, and Ministry of Employment and Labour Relations
Nuclear Regulatory Oversight & Fee Implementation Project	NRA					369,468.9		235,023			√	NRA	Ministry of Finance

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF(GHS)	Others	New	Ongoing	Lead	Collaborating
Nuclear Public Engagement & Education Project	NRA					369,468.9		141,264			√	NRA	Media Houses, Civil society organizations,
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Review of the law and expand the regulatory scope of mandate project	Accra					2,000,000		500.000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE,DPs
Staff capacity strengthening Programme	Accra					2,000,000		500,000			√	NBA	MEST, MOFA, EPA, GSA, FDA, MMDAS, WACCI, CRI, UCC
Remodelling the current office project	Accra					800,000		200,000		√		NBA	MEST, MOF, DPs
Establishing and equipping a temporary molecular biology laboratory project	Accra					4,100,000		500,000		√		NBA	MEST, MOF, DPs, PSCE
Construction and equipping of a permanent office building project at Boshye	Accra					8,000,000		2,000,000		√		NBA	MEST, MOF, DPs, PSCE

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Developing an integrated regulatory information management system (IRIMS) project	Accra					1,500,000		500,000		√		NBA	MEST, MOC, DPs
Establishing ISO 9001:2015 quality management system project	Accra					800,000		200,000		√		NBA	MEST, MOF, SGS, DPs
Integrating NBA's permit system into the Customs Management System (ICUMS) project	Accra					100,000		50,000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE, DPs
Market surveillance and farm monitoring project	Nation wide					1,000,000		200,000		√		NBA	MEST, MOFA, FDA, GSA, PPRSD, VSD, GRA-CUSTOMS
Undertake monitoring and evaluation of PoA	Accra					800,000		200,000		√		NBA	MEST, DPs,
Maintaining NBA office building project	Accra					400,000		100,000		√		NBA	MEST, MOF, DPs

6.4 2029 Annual Action Plan

6.4.1 Headquarters

Table 15: 2029 Annual Action Plan (Headquarters)

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : To build institutional capacity to access global climate funds for enhanced resilience initiatives													
Programme : Climate Finance, Access and Institutional Support Programme													
Landscaping and beautification of work environment	MEST HQ					90,000.00				√		MEST/Gen. Administration	Parks and Gardens, PPME, Procurement Unit
Procurement and deployment of Electronic Document and Records Management System (EDRMS)	MEST HQ					200,000.00				√		MEST/Gen. Administration	RSIM/ICT unit/PRAAD/Procurement
Acquisition of four (2) utility vehicles	MEST HQ					2,800,000.00				√		MEST/Gen. Administration	Procurement Unit, PPMED, Transport Unit, MoF
E-requisition platform	Accra					200,000.00				√		Procurement Dir.	IT Unit

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Procurement Policy developed	Accra					200,000.00			200,000.00	√		Procurement Dir.	IT Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Unit
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5				-	√	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Continuous review of MEST operations to ensure that risks are managed and controls are effective	MEST Headquarters					559,107.5					√	MEST Internal Audit	MEST Directorates & Units
Objective: Mainstream Science and Technology in all sectors of the economy													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Programme: Implementation of the National STI Policy													
TechConnect: Matchmaking & Commercialization Project						1,000,000					√	MES T / STI	GEA, MOF
Implementation of the National STI Policy	National					5,000,000					√	MES T / STI	CSIR
High Performance Computing (HPC) Center project	Accra					50,000,000					√	MES T / STI	
Maintenance of the Science, Technology and Information Management Information System (STIMIS) project	Accra					1,000,000					√	MES T / STI	GTEC
Biannual Environment, Science and Technology (BEST) Forum	Accra					5,000,000					√	MES T / STI	MMDAs
Commercialization of Innovations under the Sankore Project	Accra					200,000			GH C 500, 000		√	MES T / STI	UNES- CO / UKCEH / FCDO
National Science and Technology Park project	Accra					100,000,000					√	MES T / STI	CSIR, GAEC, UNI- VER-

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													SITIES
Objective: Ensure improved fiscal performance and sustainability													
Programme: Sector Medium Term Budget Preparation and Implementation													
Prepare Sector Budget Performance Reports to MoF and Parliament	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare and submit MEST Sector Annual Programme-Based Budget (PBB) to Parliament and MoF	Accra					700,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Sector Annual Action Plan (AAP).	Accra					90,000.00					√		
Objective: Improve policy coherence and alignment with national development goals													
Programme: Policy Formulation and Implementation													
Continue the implementation of the National Plastics Waste Management Policy	Nation wide					3,000,000.					√	MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Electrical and Electronic Waste Management Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Continue the implementation of the National Textile Waste Policy	Nation wide					3,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Reduce Environmental Pollution													
Programme: Monitoring and Evaluation of sector Projects and Programmes													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Undertake Quarterly M&E of MEST programmes/ projects/ activities.	Accra					1,200,000.00					√	MES T/PP ME	All Agencies & Directorate
Hold coordination meetings with Heads of Agencies to strengthen supervisory role over Agencies.	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Quarterly and Annual Performance Reports	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Prepare Progress Reports to NDPC	Accra					90,000.00					√	MES T/PP ME	All Agencies & Directorate
Implement the GEF-funded Project “Establishing A Circular Economy for Plastics Management in Ghana.	Accra								DP (10,893,121.31		√	MES T/PP ME	All Agencies & Directorate
Operationalize the Foundry & Machine Tooling Center	Accra					8,000,000.00				√		MES T/PP ME	All Agencies & Directorate
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Research And Statistics Development Programme													
Research & Statistics Dev't Project	Nation wide					1,000,000.00					√	RSIM	GSS, AGENCIES, DIRECTORATES,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
													NDPC, UNIVERSITIES, ISSER,
Science Granting Councils Initiative III	Worldwide					500,000.00					√	RSIM	DEVELOPMENT PARTNERS, ASSOCIATION OF AFRICAN UNIVERSITIES, AFRICAN CENTER FOR TECHNOLOGY
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Development and management of database	Accra					550,000.00					√	RSIM	AGENCIES, DIRECTORATES, MOC, NITA
Acquisition and Management of ICT Infrastructure	Accra					750,000.00					√	RSIM	AGENCIES, DIRECTORATES

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Public Engagements and Media Relations Project	Nation wide					300,000.00					√	PUBLIC AFFAIRS UNIT	AGENCIES, DIRECTORATES, ISD, STATE MEDIA, PRIVATE MEDIA,
Information, Education and Communication Project	Nation wide					300,000.00					√	RSIM	AGENCIES, DIRECTORATES, ISD, PRIVATE MEDIA,
Establishment of an Open Science, Library and Documentation Unit	Accra					100,000.00					√	RSIM	DIRECTORATES, AGENCIES, GHANA LIBRARY AUTHORITY, RESEARCH INSTITUTIONS, UNIVERSITIES, NITA
OBJECTIVE: Strengthening Institutional Framework Through Human Resource Development													
PROGRAMME: Training and Development													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Capacity Building and Staff Welfare	MEST HQ					3,500,000					√	HRM D	Directorates/ Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Climate Change Adaptation and Low-Carbon Development													
Evaluate national progress on SDG 13 and 15 related to climate and biodiversity	Nation wide					180,000.00				√		MEST/Climate Change Unit	Directorates/
Document and share lessons learned on Article 6 implementation	Accra					170,000.00				√		MEST/Climate Change Unit	Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Biodiversity and Natural Resources Governance													
Launch integrated land use and biodiversity protection strategy	Nation wide					230,000.00				√		MEST/Biodiversity Unit	Directorates/ Unit, OHCS, Training Institutions
Objective: Reduce Environmental Pollution													
Programme: Coastal Zone and Ocean Governance													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Conduct final evaluation of coastal resilience interventions	Coastal Zones					210,000.00					√	MES T/Marine/Spatial Unit	Directorates/
Conduct environmental inspection and audit of selected industrial zones	Industrial Zones					220,000.00				√		MES T/Conventions Unit	Unit, OHCS, Training Institutions
Expand waste-to-energy pilot projects in urban centres	Kumasi / Accra					350,000.00					√	MES T/Conventions	Directorates/
Host national competition on environmental science innovations	Nation wide					190,000.00				√		MES T/Conventions	Unit, OHCS, Training Institutions

6.4.2 Agencies

Table 16: 2029 Annual Action Plan (Agencies)

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective : Improve Forest and protected areas													
Programme : Climate Change, Environmental Management and Green Technology													
Collection and Conservation of genetic materials of resilient forest tree species as well as research into forest management strategies and carbon sequestration	Kumasi					1,587,500	0	155,000	1,562,500		√	CSIR - FORIG	CSIR-CRI, CSIR-PGRRI FC MoFA MEST
Capacity building of researchers in climate change, improvement in research infrastructure (Labs & Cold room), and the implementation of SFM strategies of restored degraded lands in forest areas	Accra/ Kumasi /					1,600,000	-	250,000	2,437,500		√	CSIR - FORIG	CSIR-Head Office CSIR-SARI CSIR-CRI FC MoFA MEST
Carbon trading capacity building to assess Climate fund (\$30 billion Global Fund), document improved climate- smart, indigenous agricultural knowledge and build resilience of vulnerable groups to climate change	Kumasi / CSIR-FORIG					142,500	-	115,000	175,000		√	CSIR - FORIG	CSIR-Head Office CSIR-SARI CSIR-SRI CSIR-CRI FC MoFA MEST
Objective : Mainstream science, technology and innovation in all socio-economic activities													

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Programme : Food Security and Poverty Reduction													
Application of STI in foundry manufacturing and the strategic use and application of Nanotechnology and robotics to promote rapid industrialization.	Nation wide					3,975,000	-	300,000	3,325,000		√	CSIR-Head Office	CSIR-FORIG CSIR-SARI CSIR-SRI CSIR-CRI CSIR-INSTI MEST
Improvement in the operations of the Intellectual Property Rights to enhance registration of developed technologies to ensure returns on investment from research and promote commercialization of improved technologies	Accra					1,550,000	-	125,000	1,200,000		√	CSIR-Head Office	All CSIR Institutes MESTI MOFA
Strengthening the RELC, and upgrading and maintenance of the digitalised agriculture platforms (DAIH, WBSMG) to promote adoption of technologies/innovation	Nation wide					660,000	-	50,000	1,225,000		√	CSIR Head Office	All CSIR Institutes MoFA MESTI
Scaling up production of breeder and foundation seeds of climate resilient crop varieties and the development of new ones.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI, CSIR-SRI MoFA MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DAFCF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Fertilizer blending technology transfer to local companies to enhance supply.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-SRI	CSIR-CRI CSIR-SARI CSIR-OPRI MoFA MESTI
Upscale commercial production of ARIBRO parent stock for supply to hatcheries for day old chicks production and capacity building in cost effective local poultry feed production.	Nation wide					633,333.33	-	31,666.7	295,833.33		√	CSIR-ARI	MEST (APD, VET.) MoTAI
On-farm and on-station verification demonstration research in various agro-ecologies to validate efficacy of developed improved technologies for dissemination and adoption by end-users	Accra, Tamale, Ho, Kumasi					62,500	-	16,250	300,000		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI CSIR-SRI CSIR-FORIG
Transfer of improved climate-smart technologies and practices to AEAs and other stakeholders for dissemination to end-users						53,750	-	17,500	37,500		√	CSIR-CRI CSIR-SARI	CSIR-PGRRI CSIR-SRI CSIR-FORIG
Capacity building of processors and actors in the various commodity value chains on post-harvest and value additions						487,500	-	23,750	150,000		√	CSIR-FRI	CSIR-PGRRI CSIR-CRI CSIR-FORIG CSIR-SARI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
technologies and the strengthening of capacity of business incubation centres to facilitate successful transfer of food processing innovations.													CSIR-WRI CSIR-ARI
Scale-up production of improved breed of goats, sheep, pigs, poultry and cattle for distribution to farmers						287,500	-	18,750	230,000		√	CSIR-ARI	MEST MoFA (APD, VET.) MoTAI
Maintenance of aquaculture parks and culturing facilities (hatcheries, laboratories, and fish feed mills) and research into new resilient strains with high profitability and quality meat.						130,000	-	25,000	82,500		√	CSIR-WRI	CSIR-STEPRI MoFAD MoTAI WRC MEST
Objective : 1 Enhance access to clean and affordable energy													
Programme : Develop, implement and maintain a safe, secure and sustainable nuclear power programme													
Recruitment and capacity building	Accra	x	x	x	x						√	GAE C	
Refurbishment and equipping of Gamma Lab	Accra					3,825,000		375,000			√	GAE C	MEST, MoF, IAEA
Procurement of equipment for the Radioactive Waste Processing Unit	Accra					3,085,000		250,000			√	GAE C	MEST, MoF, IAEA
Procurement of equipment Emergency Preparedness and Response	Accra					895,000					√	GAE C	IAEA, MEST, MoF, MoI, NADMO

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Establishment of farmer demonstration trials	Okyereko/Asutware/Weta/Hohoe/Akpaflu/Kadjebi/Golinga/Botanga/Kumbungu					540,000		180,000	1,800,000	√		GAE C-BNARI	CSIR-SARI CSIR-SRI MoFA-GIDA MoFA-CSD MoFA-PPRSD KYC Nations
Phenotyping, Genotyping and backcrossing	BNARI/CSIR-CRI					60,000		10,500	60,000		√	GAE C-BNARI	CSIR-CRI
Characterized mutant/hybrid cassava lines ready for field trials	BNARI					135,000		45,000	450,000		√	GAE C-BNARI	UCC CSIR-CRI CSIR-SARI CSIR-PGRI
Establishment of farmer demonstration trials	Mafi Kumashe/Anomawobi/					315,000		105,000	1,050,000	√		GAE C-BNARI	Private Sector (PPP), MOTI-GEPA, EXIM Bank

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	Esuboi/ Bodwease/ Asewewa/Akatsi Coaltar/ Kokoomu Adeiso/ Adawso												
Establishment of business case and development of business plan	BNARI					9,000,000		3,000,000	30,000,000	√		GAE C-BNARI	CSRI-ARI, MoFA, Ministry of fi
Training and capacity building in livestock and aquaculture	BNARI					45,000		15,000	150,000		√	GAE C-BNARI	IITA/World Veg
Standardization and registration of organic fertilizer	BNARI /MoFA-PPRSD /University of Ghana					67,500		4,500	45,000		√	GAE C-BNARI	-

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
10,000 plantain seedlings multiplied Produce 3,000 plantlets of Chrysanthemums	BNARI					13,500		750,000	75,000		√	GAE C- BNA RI	RAMSRI, NNRI SNAS
Organize 3 workshops and seminars	BNARI					225,000		11,250	112,500		√	GAE C- BNA RI	IAEA GAEC-SNAS UG UCC KNUST UENR UDS UEW AAMUSTED,
Host 3 fellows, 50 interns and 3 experiential learning	BNARI					33,750		10,000	30,000	√		Ghana Space Agency	MoFA, CSIR, GSSTI
Farmer training and crop classification via satellite imagery	Bono East, Upper East, Volta					120,000		15,000	50,000	√		Ghana Space Agency	EPA, NADMO, GSSTI
Real-time EO monitoring of wetlands, forests, and river systems	Western North,					180,000		USD 20,000	USD 60,000	√		Ghana Space	MoD, NADMO,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	Eastern, Savannah											Agency	National Security, GSSTI
Development of illegal mining detection and risk alerts	Ashanti, Western, Upper West					100,000		USD 10,000	USD 25,000	√		Ghana Space Agency	NDPC, MoLGRD, MMDAs
Integration of EO tools into district planning platforms	Greater Accra, Central, Northern					400,000		50,000	100,000	√		Ghana Space Agency	SNAS, GAEC, MoE, GSSTI
Construction and commissioning of ground station; capacity development	GAEC, SNAS, Technical Universities					200,000		25,000	75,000	√		Ghana Space Agency	NDPC, MESTI, MoCD, GSSTI
Development of inter-ministerial dashboard and data-sharing protocol	National (central database with										√	GAEC	

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	MDA access)												
Recruitment and capacity building	Accra					575,000		185,000			√	GAE C	MEST, MoF, IAEA
Refurbishment and equipping of Gamma Lab	Accra					20,000		250,000			√	GAE C	MEST, MoF, IAEA
Capacity building in National Emergency Preparedness and Response	Accra										√	GAE C	IAEA, MEST, MoF, MoI, NADMO
Implement the Nuclear Information, Communication and Education Campaign	Nation-wide					4,175,200					√	GAE C	MEST, MoF, IAEA, US Department of Energy
Establish the National Technical and Scientific Support Organization	Accra					250,000				√		GAE C	MEST, MoF, IAEA
Support the owner/operator organization (Nuclear Power Ghana) with the detailed site studies	Accra					2,000,000		250,000			√	GAE C	NPG, Lands Commission, MEST, MoF, IAEA, Ghana Geological Survey
Acquire ISO 9001 certification	Accra					1,000,000				√		GAE C	MEST, MoF, IAEA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	DA CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Establishment of Nuclear Leadership Programme	Accra					925,000					√	GAE C	MEST, MoF, IAEA, US Department of Energy
Capacity building in National Emergency Preparedness and Response	Accra					925,000					√	GAE C	MEST, VRA, MoF
Objective : To reduce environmental pollution													
Programme : Prevention, controlling and reduction													
Develop and implement reclamation bond administration for small-scale mining	Nation wide							10,852,852.97			√	EPA	MESTI/Minerals Commission
Develop Environmental Quality Regulation for Air	Nation wide							4,134,420.18			√	EPA	MESTI/DVLA/GPS
Develop regulations for the management of Petroleum activities	Nation wide							10,852,852.97			√	EPA	MESTI, Petroleum Commission/AG
Undertake regular audits of the extractive industry to ensure compliance to permitting conditions	Nation wide							10,852,852.97			√	EPA	MESTI, Minerals Commission, Petroleum Commission
Monitor selected sites Nationwide for air quality and pollutants,	Nation wide							4,134,420.18			√	EPA	MESTI

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
including PM10, PM 2.5, NO2, SO2													
Sample and analyse level of pollution of Effluent quality at discharge point	Nation wide							8,264,705.61			√	EPA	MESTI
Update of pesticide register annually to indicate list of approved, banned and pesticides for experimental purposes	Nation wide							10,852,852.97			√	EPA	MESTI
Give approval (EA and EMP permits) to companies for them to comply with Environmental Assessment (EA) regulations	Nation wide							10,852,852.97			√	EPA	MESTI
Monitor all permitted projects to ensure compliance with LI1652 (excluding the extractive sector)	Nation wide							10,852,852.97			√	EPA	MESTI/FID/NPA
Prosecute environmental Offences								2,597,982.78			√	EPA	MESTI/ AGs Office/ Ghana Police Service
Establish and operationalize e-waste collection centres	Nation wide							13,891,651.80			√	EPA	MESTI
Commit to attain 45% emission reduction goal by 2030 compared to 2020 emission levels through implementation of carbon market programme	Nation wide							2,067,210.09			√	EPA	MESTI/MDAs/ MMDAs

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Improve compliance with sector specific EA guidelines and standards in the oil and gas exploration, and agriculture sectors	Nation wide							10,852,852.97			√	EPA	MESTI
Operationalise the National Oil Spill Plan	Nation wide							10,852,852.97			√	EPA	MESTI
Automate and operationalize EPA's permitting processes	Nation wide							10,852,852.97			√	EPA	MESTI/SIGA
Establish 35 additional Area Offices for effective environmental management	Nation wide							27,291,249.74			√	EPA	MESTI/MoF
Intensify awareness on sound environmental management practices in communities and the general public	Nation wide							14,264,714.30			√	EPA	MESTI/MMDAs/Media
Intensify awareness on sound environmental management practices among interest groups such as schools, pesticide dealers, trade associations etc	Nation wide							14,264,714.30			√	EPA	MESTI/MMDAs/Media
Train key stakeholders on environmental issues	Nation wide							14,264,714.30			√	EPA	MESTI, MMDAs, CSOs, PEF

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objective: Provide financial resources for the management of electrical and electronic waste and to reduce its adverse impact on human health and the environment													
E-Waste HOC establishment	Kumasi					1,000,000			30,000.00	√			MEST, EPA
Incentive Programmes	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		5,000.00		√	√	E-Waste Fund	MEST, EPA, MMDAs
E-Waste Awareness, Communication and Sensitization Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi					250,000.00		550,000.00		√		E-Waste Fund	MEST, EPA

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
	i-Takoradi, Ashaiman												
Eco-Levy Compliance and Audit Strengthening Programme	Accra					250,000.00		200,000.00		√		E-Waste Fund	MEST, EPA
Research and Data Systems Strengthening Programme	Nation wide					250,000.00		1,750,000.00		√		E-Waste Fund	ACADEMIA, EPA
Monitoring, Evaluation, Accountability and Learning (MEAL) Programme	Accra, Koforidua, Kumasi, Tamale, Kasoa, Sekondi-Takoradi, Ashaiman					250,000.00		250,000.00		√		E-Waste Fund	MESTI, EPA, MMDAs
Technical Support and Capacity Building for Recyclers Programme	Accra, Kumasi					250,000.00		250,000.00			√	E-Waste Fund	MEST, EPA,

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Objectives: Strengthen the Regulatory Framework through improved emergency preparedness, skilled workforce, sustainable financing, and active public engagement.													
Programme: Regulatory Framework Enhancement Program													
Nuclear Regulatory & Security Framework Project	NRA					492,625.2		187,750			√	NRA	Interested Parties, MESTI, Attorney General's Department and Ministry of Justice Parliamentary Select Committee
Nuclear Emergency Preparedness & Response Project	NRA, NADMO					615,781.5		235,024			√	NRA	(NADMO) (NSC)
Human Resources Planning	NRA					615,781.5		235,024			√	NRA	IAEA, PSWC,FWSC, EU-INSC, Ministry of Finance, and Ministry of Employment and Labour Relations

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Nuclear Regulatory Oversight & Fee Implementation Project	NRA					369,468.9		235,023			√	NRA	Ministry of Finance
Nuclear Public Engagement & Education Project	NRA					369,468.9		141,264			√	NRA	Media Houses, Civil society organizations,
Objective: Mainstream Science, Technology, Research And Innovation In All Socio-Economic Activities													
Programme: Ict Infrastructure Modernisation And Digital Transformation Programme													
Review of the law and expand the regulatory scope of mandate project	Accra					2,000,000		500,000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE,DPs
Staff capacity strengthening Programme	Accra					2,000,000		500,000			√	NBA	MEST, MOFA, EPA, GSA, FDA, MMDAS, WACCI, CRI, UCC
Remodelling the current office project	Accra					800,000		200,000		√		NBA	MEST, MOF, DPs
Establishing and equipping a temporary molecular biology laboratory project	Accra					4,100,000		500,000		√		NBA	MEST, MOF, DPs, PSCE
Construction and equipping of a permanent office building project at Boshye	Accra					8,000,000		2,000,000		√		NBA	MEST, MOF, DPs, PSCE

Project	Location	Q1	Q2	Q3	Q4	GoG (GHS)	D A CF	IGF (GHS)	Others	New	Ongoing	Lead	Collaborating
Developing an integrated regulatory information management system (IRIMS) project	Accra					1,500,000		500,000		√		NBA	MEST, MOC, DPs
Establishing ISO 9001:2015 quality management system project	Accra					800,000		200,000		√		NBA	MEST, MOF, SGS, DPs
Integrating NBA's permit system into the Customs Management System (ICUMS) project	Accra					100,000		50,000		√		NBA	MEST, GRA-CUSTOMS, MOF, NAT. SEC, PSCE, DPs
Market surveillance and farm monitoring project	Nation wide					1,000,000		200,000		√		NBA	MEST, MOFA, FDA, GSA, PPRSD, VSD, GRA-CUSTOMS
Undertake monitoring and evaluation of PoA	Accra					800,000		200,000		√		NBA	MEST, DPs,
Maintaining NBA office building project	Accra					400,000		100,000		√		NBA	MEST, MOF, DPs

CHAPTER SEVEN

MONITORING AND EVALUATION ARRANGEMENTS

7.1 Introduction

Monitoring and Evaluation (M&E) is central to the successful implementation of the 2026–2029 Sector Medium-Term Development Plan (SMTDP). This chapter outlines the M&E framework, including stakeholder roles, key indicators, evaluation plans, and a learning system to support evidence-based decisions and accountability. The Ministry’s Policy, Planning, Monitoring and Evaluation (PPME) Directorate will lead the overall M&E process, with agencies primarily responsible for executing programmes and projects, while the Ministry facilitates coordination.

7.2 Stakeholder Analysis

A stakeholder analysis was conducted to identify key actors involved in the planning, implementation, monitoring, and evaluation of the SMTDP. This analysis informed the roles and responsibilities of various institutions and actors to ensure effective tracking of progress and performance.

Table 17: *Stakeholder Analysis*

S/N	Stakeholder	Interest/Role	Influence	Level of Participation
1	Ministry Leadership	Policy direction, resource mobilization, and political commitment	High	Decision-making
2	Parliament	Policy direction and political commitment	High	Decision-making
3	MDAs/MMDAs	Implementation of programmes and data reporting	High	Active participation
4	Development Partners	Technical and financial support, evaluation expertise	Medium	Consultation and support
5	Civil Society Organizations	Oversight, accountability, and citizen engagement	Medium	Consultation
6	Private Sector	Investment and innovation in programme delivery	Medium	Limited but strategic

S/N	Stakeholder	Interest/Role	Influence	Level of Participation
7	Academia and Research Institutions	Technical input and impact assessment	Medium	Consultation and feedback
8	Citizens and Communities	Beneficiaries and feedback providers	Low	Consultation and feedback

7.3 Monitoring Indicators Matrix

Table 18: *Monitoring Indicators Matrix - Enhance Institutional Climate Coordination*

Objective: Enhance Institutional Climate Coordination											
Programme: Climate Mitigation and Adaptation											
S/N	Indicators	Indicator Definition	Indicator Type	Baseline (2025)	Targets				Disaggregation	Monitoring Frequency	Responsibility
					2026	2027	2028	2029			
1	MMDAs trained on climate action	Training delivered to MMDAs on adaptation strategies	Output	33	40	50	60	70	Regional	Annual	MEST, EPA
2	Sectors with climate strategies	Sectors integrating mitigation/adaptation in plans	Outcome	12	14	16	18	20	Sector	Annual	MEST, NDPC
3	Greenhouse gas emissions (MT)	Estimated national GHG emissions (in million tonnes)	Outcome	55.5	54	52	50	48	National	Biennial	EPA
4	Sectors with approved EA/EMP	Proportion of sectors issued with environmental permits	Output	69%	75%	80%	85%	90%	Sector	Annual	EPA

Table 19: *Monitoring Indicators Matrix - Mainstream STI in Development*

Objective: Mainstream STI in Development											
Programme: STI Commercialization and Knowledge Management											
S/N	Indicators	Indicator Definition	Indicator Type	Baseline (2025)	Targets				Disaggregation	Monitoring Frequency	Responsibility
					2026	2027	2028	2029			
1	Technologies commercialized	Number of research technologies transitioned to use	Outcome	32	35	40	50	60	By sector	Annual	CSIR, GAEC
2	R&D findings adopted	Research results adopted by industry or policy	Outcome	125	130	140	150	160	Industry type	Annual	CSIR
3	Tech start-ups created	Number of new technology-based enterprises formed	Output	17	20	25	30	35	Region	Annual	CSIR
4	R&D Expenditure (% GDP)	Proportion of GDP allocated to R&D	Outcome	0.39%					National	Annual	CSIR,
5	IPR offices functional	Operational IPR units supporting tech transfer	Output	-	10	11	12	13	Institution	Annual	CSIR

Table 20: *Monitoring Indicators Matrix - Improve Agricultural Innovation*

Objective: Improve Agricultural Innovation											
Programme: Agri-Research and Commercialization											
S/N	Indicator s	Indicator Definition	Indicator Type	Baseline (2025)	Targets				Disaggregation	Monitoring Frequency	Responsibility
					2026	2027	2028	2029			
1	Crop varieties released	Number of new crop varieties formally introduced	Output	15	20	22	24	26	Crop type	Annual	CSIR Institutes
2	Resilient seed produced (MT)	Foundation seed output of climate-resilient crops	Output	50	55	60	65	70	Crop type	Annual	CSIR Institutes
3	Fertilizer tech adopted	Local firms using CSIR-developed fertilizer blends	Output	5	7	9	12	15	Region	Annual	CSIR-SRI
4	ARIBRO chicks distributed	Number of day-old chicks distributed to farmers	Output	7500	8000	9000	10000	11000	Region	Annual	CSIR-ARI

Table 21: *Monitoring Indicators Matrix - Ensure Climate-Resilient Agri-Systems*

Objective: Ensure Climate-Resilient Agri-Systems											
Programme: Climate Smart Agriculture											
S/N	Indicators	Indicator Definition	Indicator Type	Baseline (2025)	Targets				Disaggregation	Monitoring Frequency	Responsibility
					2026	2027	2028	2029			
1	On-farm CSA trials conducted	Research trials on CSA methods in agro-ecologies	Output	35	37	39	42	45	Ecological zone	Annual	CSIR Institutes
2	Rice land under CSA (ha)	Land area under climate-smart rice cultivation	Output	N/A	5000 acres	10000 acres	15000a cres	2000 0acre s	Region	Semi-annual	BNARI
3	Farmers trained on CSA	Number of AEAs/farmers sensitized on CSA practices	Output	30000	3500 0	37000	42000	4500 0	Sex, region	Semi-annual	BNARI

7.4 Intended Evaluations

To ensure learning and accountability, the following evaluations are planned over the SMTDP period:

Table 22: *Intended Evaluations*

S/N	Evaluation Type	Purpose	Timeline	Responsible Entity
1	Baseline Evaluation	Establish starting points for key indicators	2025	M&E Unit
2	Mid-Term Evaluation	Assess progress and inform any needed course corrections	End of 2027	M&E Unit with NDPC/Partners
3	Terminal Evaluation	Assess overall effectiveness, outcomes, and sustainability	End of 2029	M&E Unit/Independent Evaluator
4	Thematic/Impact Evaluations	Examine effectiveness of specific programmes (e.g., climate action)	Periodically	M&E Unit and Research Units

7.5 Knowledge Management and Learning Framework

An effective M&E system is supported by a knowledge management and learning (KML) framework. This framework ensures that data, experiences, and insights are systematically captured, analysed, shared, and used for decision-making.

Table 23: *Knowledge Management and Learning Framework*

S/N	Element	Strategy
1	Knowledge Capture	Routine data collection, evaluations, and lessons learned documentation
2	Knowledge Storage	Digital repositories, dashboards, and document libraries
3	Knowledge Sharing	Dissemination through newsletters, portals, workshops, and policy briefs
4	Learning Application	Adaptive planning, course correction, and capacity building initiatives
5	Capacity Development	Annual training for M&E staff and stakeholders on new tools and systems

CHAPTER EIGHT

DEVELOPMENT COMMUNICATION STRATEGY

8.0 Introduction

This chapter outlines the communication strategy for the Ministry of Environment, Science and Technology (MEST) to effectively disseminate the contents of its 2026–2029 Sector Medium-Term Development Plan (SMTDP) to all key stakeholders.

The strategy aims to:

- Create broad awareness of MEST development priorities,
- Foster inclusive stakeholder participation,
- Promote transparency and accountability, and
- Facilitate feedback to strengthen implementation and review of the Plan.

The approach ensures all relevant parties are informed and engaged in activities relating to environmental sustainability, scientific innovation, climate change adaptation, waste management, and green technology promotion.

8.1 Objectives

The specific objectives of this strategy are to:

1. Sensitise stakeholders and the general public on the components of MESTI's 2026–2029 SMTDP.
2. Raise awareness on the roles and responsibilities of institutions and actors in plan implementation.
3. Promote stakeholder ownership and participation, including vulnerable groups and women.
4. Establish communication channels to encourage feedback and accountability.
5. Publicise successes, challenges, and lessons to inform future planning.

8.2 Target Audience

- Internal stakeholders: MESTI staff and agencies (EPA, CSIR, GAEC, NBA, NRA, E-Waste Fund)
- National stakeholders: Ministry of Finance, Parliament, NDPC, LUSPA, other MDAs
- Local stakeholders: MMDAs, Traditional Authorities, Community-based Organizations
- Development Partners: GIZ, UNDP, UNICEF, WaterAid, etc.
- Civil Society and NGOs
- Media
- Academia and Research Institutions
- The General Public (including women, youth, persons with disabilities)

8.3 Stakeholder Communication Matrix

Table 24: *Stakeholder Communication Matrix*

S/N	Key Stakeholder	Issue	Key Message	Communication Activity
1	Media Houses	Limited awareness of environmental policies	Promote accurate information on MESTI priorities and national development goals	Press Briefings, Media Engagements
2	General Public	Low engagement and environmental knowledge	Educate public on role in environmental sustainability	Community Radio, Social Media, Flyers
3	MESTI Staff & Agencies (e.g., EPA, CSIR, GAEC, NBA, E-Waste)	Fragmented information flow	Ensure internal awareness and ownership of the SMTDP	Staff Durbars, Internal Bulletins, Intranet
4	Ministry of Finance, Parliament	Competing priorities, limited visibility of sector issues	Align MESTI development plans with national funding priorities	Sector Hearings, Technical Briefings
5	Development Partners	Misalignment of support with sector priorities	Strengthen collaboration on environmental governance and STI	Development Forums, Donor Roundtables
6	NGOs & CSOs	Partial involvement in policy implementation	Involve CSOs in awareness and monitoring activities	Stakeholder Workshops, Thematic Dialogues
7	MMDAs	Inadequate coordination with local level	Link national goals with district-level actions	Regional Planning Forums, Joint Monitoring
8	Academia & Research Institutions	Limited policy-to-practice linkage	Showcase the value of R&D in national development	Public Lectures, STI Fairs, Research Dialogues
9	Youth & Women Groups	Exclusion from formal planning	Promote inclusiveness and innovation among youth/women	Focused Group Dialogues, Environmental Clubs

8.4 Communication Tools and Channels

- **Digital Platforms:** Social media campaigns, infographics, and videos
- **Print Materials:** Brochures, fact sheets, FAQs, banners
- **Broadcast Media:** Radio jingles, TV documentaries, interviews
- **Stakeholder Engagements:** Retreats, town halls, fora, durbars
- **Internal Communication:** Newsletters, Intranet, emails, WhatsApp groups

8.5 Activity Plan and Budget (Indicative)

Table 25: *Activity Plan and Budget (Indicative)*

S/N	Activity	Tools/Channels	Timeline	Responsible Unit	Budget (GHS)
1	Launch of SMTDP	Press Conference, TV/Radio coverage	Q4 2025	PPME Directorate	80,000.00
2	Internal Staff Sensitisation	Durbar, Memos, Intranet	Q4 2025	HR & Agencies	30,000.00
3	Stakeholder Consultations	Forums, Roundtables	Q1–Q2 2026	PPME, Environment Directorate	100,000.00
4	Public Awareness Campaign	Radio jingles, Community Outreach	Annual	EPA, E-Waste Unit	120,000.00
5	Social Media Strategy	Twitter, Facebook, LinkedIn	Continuous	Communications Unit	40,000.00
6	Youth & Schools Engagement	Environmental clubs, contests	Q2 2026 onwards	EPA, CSIR, NGOs	60,000.00
	Total				430,000.00

Total Indicative Budget: GHS 430,000.00

8.6 Monitoring and Feedback

Feedback will be captured through:

- Social media interactions
- Surveys and suggestion boxes
- Media and public response tracking
- Periodic stakeholder feedback sessions

APPENDICES



**MINISTRY
OF
ENVIRONMENT, SCIENCE AND
TECHNOLOGY**

P.O.Box M232, Ministries - Accra
Digital Address: GA-107-3073

kindly quote this number and date on all correspondence

My Ref. No. MEST/SC/20/001/2025

Your Ref. No. _____

11TH March 2025

INVITATION TO A WORKSHOP
PRE-PREPARATION OF 2026-2029 SECTOR MEDIUM-TERM DEVELOPMENT
PLAN (GUIDELINES AND DATA FOR THE PLAN PREPARATION)

Pursuant to the National Development Planning (NDP) System Act, 1994 (Act 479), Sections 3 and 11; L.I. 2232, Section 16; the Public Financial Management Act, 2016 (Act 921), Sections 20 and 25; and the PFM Regulation (L.I. 2378), the Ministry is set to commence the preparation of the 2026-2029 Sector Medium-Term Development Plan (SMTDP).

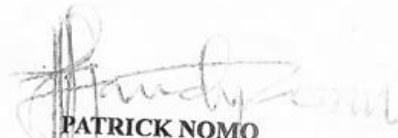
2. The preparation of the SMTDP is a **statutory requirement** that establishes the framework for sustainable socio-economic development within the sector, defining the basis for expenditure over the next four years. The Ministry is expected to complete the process by **May 2025** and submit it to the **National Development Planning Commission (NDPC)** for certification.

3. In light of the above, you are kindly invited to a pre-SMTDP preparation workshop on the NDPC guidelines and the required data and schedules, as detailed below:

Date : Tuesday, 18th March 2025
Venue : MEST Conference Room
Time : 10:00am

4. Participants to the workshop should be based on MEST's letter on nomination.

5. Thank you


PATRICK NOMO
CHIEF DIRECTOR
for: MINISTER

DISTRIBUTION LIST ATTACHED

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ENVIRONMENTAL PROTECTION AUTHORITY
ACCRA**
2. **THE DIRECTOR-GENERAL
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH
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NATIONAL BIOSAFETY AUTHORITY
ACCRA**
6. **THE ADMINISTRATOR
E-WASTE FUND
ACCRA**
7. **DIRECTOR -GENERAL
NATIONAL DEVELOPMENT PLANNING COMMISSION
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MINISTRY
OF
ENVIRONMENT, SCIENCE AND
TECHNOLOGY

P.O.Box M232, Ministries - Accra
Digital Address: GA-107-3073

kindly quote this number and date on all correspondence

My Ref. No. MEST/STC/20/001/NDP/14

Your Ref. No. _____

11TH March 2025

REQUEST FOR NOMINATION
PREPARATION OF 2026-2029 SECTOR MEDIUM-TERM
DEVELOPMENT PLAN (SMTDP)

Pursuant to the National Development Planning (NDP) System Act, 1994 (Act 479), Sections 3 and 11; L.I. 2232, Section 16; the Public Financial Management Act, 2016 (Act 921), Sections 20 and 25; and the PFM Regulation (L.I. 2378), the Ministry is set to commence the preparation of the 2026-2029 Sector Medium-Term Development Plan (SMTDP).

2. The preparation of the SMTDP is a **statutory requirement** that establishes the framework for sustainable socio-economic development within the sector, defining the basis for expenditure over the next four years. The Ministry is expected to complete the process by **May 2025** and submit it to the **National Development Planning Commission (NDPC)** for certification.
3. In view of the above, we request you to **nominate representatives** from your Agency/Department/Unit in reference to the attached list for the preparation of SMTDP. Your nomination should be sent to the Ministry by the close of business on **Friday, 14th March 2025**. For any further information or clarification, please contact Mrs. Lydia Essuah, Director, PPMED, on telephone number **0244583483**.
4. Please, kindly treat as urgent.
5. Thank you

PATRICK NOMO
CHIEF DIRECTOR
for: MINISTER

DISTRIBUTION LIST ATTACHED

DISTRIBUTION LIST

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7. ALL DIRECTORS/UNIT HEADS MEST

NATIONAL DEVELOPMENT PLANNING COMMISSION

13 Switchback Road
P. O. Box CT-633
Accra – Ghana
GL-061-8046



Our Ref: DP/143/14/07/32 Republic of Ghana

Telephone: (+233) 302 773 011-3

Email: info@ndpc.gov.gh

www.ndpc.gov.gh



19th March 2025

RE: REQUEST FOR NOMINATION
PREPARATION OF 2026-2029 MEDIUM-TERM DEVELOPMENT PLAN (SMTDP)

Reference is made to your letter dated March 11, 2025 with reference number: MEST/500/20/001/NDP, on the aforementioned subject.

The following staff of the Commission have been nominated to provide the needed technical support for the preparation of your MTDP for 2026-2029:

1. Mr. Wilfred Ebo Sam-Awortwi – 0207989408 – wilfred.sam-awortwi@ndpc.gov.gh
2. Mr. Eric Agyei – 0556337567 – eric.agyei@ndpc.gov.gh

Kindly reach out to them for further engagements.

Counting on your usual cooperation.

AUDREY SMOCK AMOAH (PhD)
AG. DIRECTOR-GENERAL

THE HON. MINISTER

MINISTRY OF ENVIRONMENT, SCIENCE AND TECHNOLOGY (MEST)

CC: CHIEF DIRECTOR, MEST

DIRECTOR PPMED, MEST

*Records
Pl. kindly file*

NATIONAL DEVELOPMENT PLANNING COMMISSION

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Kindly reach out to them for further engagements.

Thanking you for your usual cooperation.

AUDREY SMOCK AMOAH (PhD)
AG. DIRECTOR-GENERAL

THE HON. MINISTER

MINISTRY OF ENVIRONMENT, SCIENCE AND TECHNOLOGY (MEST)

CC: CHIEF DIRECTOR, MEST

DIRECTOR PPMED, MEST



MINISTRY
OF
ENVIRONMENT, SCIENCE AND
TECHNOLOGY

P.O.Box M232, Ministries - Accra

Digital Address: GA-107-3073

kindly quote this number and date on all correspondence

My Ref. No. MEST/EST/500/20/1001/MTD

Your Ref. No. _____

15TH May 2025

**ESTABLISHMENT OF INTERNAL AGENCY'S PLAN PREPARATION COMMITTEES
(PREPARATION OF 2026-2029 SECTOR MEDIUM-TERM DEVELOPMENT PLAN)**

Pursuant to the National Development Planning (NDP) System Act, 1994 (Act 479), Sections 3 and 11; L.I. 2232, Section 16; the Public Financial Management Act, 2016 (Act 921), Sections 20 and 25; and the PFM Regulation (L.I. 2378), the Ministry is set to commence the preparation of the 2026-2029 Sector Medium-Term Development Plan (SMTDP).

2. The preparation of the SMTDP is a statutory requirement that provides the framework for sustainable socio-economic development within the sector and serves as the basis for expenditure planning over the next four years. The Ministry is expected to complete the process by **June 2025** and submit it to the National Development Planning Commission (NDPC) for certification.

3. In light of the above, and in accordance with the NDPC Planning Guidelines, you are kindly requested to **establish Plan Preparation Committees** and **ensure that members are duly compensated** to support the successful preparation and finalization of the Sector Medium-Term Development Plan (SMTDP) of the Ministry.

4. Thank you.

MS. SUWEIBATU ADAM (ESQ)
CHIEF DIRECTOR
for: Minister

DISTRIBUTION LIST ATTACHED

cc: The Hon Minister
MEST

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6. THE ADMINISTRATOR
E-WASTE FUND
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MEST 2026 – 2029 SMTDP PREPARATION TASK MATRIX

Item	Description	Timelines						Responsibility	Collation	Status
		March 18 TH	April	May	June	Jul	Aug			
1.	Inception meeting and training for all Agencies/ Directorates on the guidelines for the SMTDP preparation.						ALL	-	Completed	
2.	Develop and circulate Templates and Frameworks to all Agencies/ Directorates.	18 TH					PPMED	-	Completed	
3.	<u>Chapter 1</u> Introduction (: Vision, Mission, Functions and Core Values.		22 nd				All	Redeemer/Aliya	Pending	
4.	<u>Chapter 2.1</u> Submission of draft situational analysis		22 ND				ALL	Anna/Kuma	Pending	
5.	<u>Chapter 2.2</u> Submission of performance review (2022-2025) by all Agencies and Directorates		22 ND				ALL	Anna/Kuma	Pending	
6.	<u>Chapter 2.3</u> Submission of financial performance review (2022-2025) by all Agencies and Directorates		22 ND				ALL	Emma/Rachael/Richard	Pending	
7.	<u>Chapter 2.4</u> Submission of Medium-Term Needs assessment and projections by all Agencies and Directorates		22 ND				ALL	Abena/Joan	Pending	
8.	<u>Chapter 3</u> Submission of Key developmental priorities (Application of SWOT)		22 ND				ALL	Redeemer/Aliya	Pending	

Item	Description	Timelines								Responsibility	Collation	Status
		March	April	May	June	Jul	Aug					
9.	analysis- strength, weakness, opportunities and threats). Hold 5-day working Session to finalize draft CHAPTER 1 - 3 (situational analysis, prioritized development issues and strategies)		28 TH April - 2 ND May							PPMED	Joan/Rachael STEPRI	Pending
10.	Chapter 4 Submission of draft Development Goals, Objectives and Strategies linked to National Objectives.			16 TH						ALL	Abena/Joan	Pending
11.	Chapter 4.1 Submission of assessment of Goals using Goals Compatibility Matrix			16 TH						ALL	Redeemer/Aliya	Pending
12.	Chapter 5 Submission of draft Composite Development Programmes (2026-2029) <ul style="list-style-type: none"> • Programme of Action • Programme Financing • Revenue Generation measures • Assumption and methodologies for costing • Strategic Environmental Assessment (SEA) of formulated programmes 			16 TH					ALL	Emma/Rachael/Richard /	Pending	
13.	Chapter 6 Submission of draft Annual Actions Plans (2026-2029)			16 TH						ALL	Emma/Rachael/Richard	Pending

Item	Description	Timelines								Responsibility	Collection	Status
		March	April	May	June	Jul	Aug					
14.	Hold 5-day working Session on CHAPTER 4-6 (Goals, Objectives, Strategies, Composite Programmes, Annual Action Plans)			19 TH - 23 RD						ALL	Joan/Racheal STEPRI	Pending
15.	Chapter 7 Submission of M&E Plan and arrangements			30 TH						ALL	Anna/Kuma	Pending
16.	Chapter 8 Submission of Communication Strategies/Plan			30 TH						ALL	Anna/Kuma	Pending
17.	Hold 3-day working Session on CHAPTER 7-8					2 ND - 4 TH				ALL	Abena/Joan	Pending
18.	Hold a working session to collate of ZERO draft SMTDP to Management and Heads of Agencies					13 TH - 18 TH				ALL	Emma/Kuma/Anna	Pending
19.	Hold 3-day validation workshop on draft SMTDP with Sector Agencies					18 TH - 20 TH				ALL	Redeemer	Pending
20.	Submit draft SMTDP to NDPC					25 TH				PPMED	Emma	Pending