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Climate Change Policy of the Kingdom of Bhutan 2019

National Environment Commission

Royal Government of Bhutan

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1. Rationale for a Climate Change Policy

Introduction

Bhutan is highly vulnerable to the adverse impacts of climate change. In addition to being a land locked and least developed country with a fragile mountainous environment, high dependence of the population on agriculture and the significant role of hydropower for economic development increase the vulnerability. Bhutan also faces increasing threats from climate hazards and extreme events such as flash floods, glacial lake outburst floods, windstorms, forest fires and landslides.

Bhutan has a development imperative and will pursue ecologically balanced sustainable development in line with development philosophy of Gross National Happiness. To remain carbon neutral, growing emissions from economic development will need to be mitigated by pursuing low emission development pathways across all the sectors.

In order to address challenges and opportunities arising from recent developments in national and international arena of climate change, the Climate Change Policy was developed.

This Policy was formulated in a participatory and consultative manner throughout the process. Various stakeholders from governmental and non-governmental organization including Civil Society Organizations and private sectors were involved at the national and local level.

Vision:

A prosperous, resilient and carbon neutral Bhutan where the pursuit of gross national happiness for the present and future generations is secure under a changing climate.

Policy Goals:

- a. To provide strategic guidance to ensure that Bhutan remains carbon neutral and protects the wellbeing of the people of Bhutan by adapting to climate change in an efficient and effective manner;
- b. To ensure meaningful participation of all relevant stakeholders in climate change action in a coordinated and coherent manner with clear roles and responsibilities; and
- c. To ensure that the challenges and opportunities of climate change are addressed at all appropriate levels, through adequate means of implementation (finance, technology, capacity building and awareness) and integration into relevant plans and policies.

Guiding Principles

The climate change policy is guided by the following principles:

- The principle of state policy “to ensure a good quality of life for the people of Bhutan in a progressive and prosperous country that is committed to peace and amity in the world” as articulated in Article 9.1 of the Constitution of the Kingdom of Bhutan;
- The principle of state policy to “Promote those conditions that will enable the pursuit of Gross National Happiness” as articulated in Article 9.2 of the Constitution of the Kingdom of Bhutan;
- The fundamental rights and duties of each citizen to act as a trustee of the Kingdom’s natural resources and environment for the benefit of present and future generations, including the prevention of pollution as articulated in Article 5 of the Constitution of the Kingdom of Bhutan
- The middle path approach in obligations of the Royal Government under Article 5 of the Constitution to conserve the environment for ecologically balanced sustainable development while promoting justifiable economic and sustainable development.
- The recognition of intergenerational equity and provision of a safe and healthy environment and for present and future generations of the people of Bhutan intergenerational equity, as articulated in Articles 5.1 and 5.2 of the Constitution of Bhutan
- The precautionary principle as articulated in Chapter II of the National Environment Protection Act 2007 (NEPA 2007) and the “no-regrets” approach to taking beneficial action to safeguard against climate change.
- The polluter pays principle and payment of ecosystem services to pay for use of resources and damages to the environment as elaborated in Chapter II of NEPA 2007
- The right to information and the engagement of all stakeholders as articulated in NEPA 2007.
- Ensure coherent and clear implementation of national climate priorities in line with international obligations.

2. Definitions

Accessing Climate Finance: Refers to tapping finance from international climate funds set up under the UNFCCC and other multilateral funds

Adaptation: Refers to adjustment to cope with the adverse impacts of climate change

Adaptation Communication: Refers to communication of the national efforts and requirements for enhancing and/or strengthening adaptation to climate change.

Carbon sink: Refers to an ecosystem such as forest, soil and oceans that absorbs/sequester carbon dioxide and other Greenhouse Gases from the atmosphere

Carbon neutral: Refers to a situation wherein the level of greenhouse gas emissions and sequestration by the carbon sink are leveled

Climate change: Refers to a change in the weather patterns over a period of time

Climate change coordination committee (C4): A technical committee established through an executive order from the Hon'ble Prime Minister and serve as a forum to discuss and coordinate matters related to climate change in Bhutan and make recommendations for consideration by the National Environment Commission

Climate risk: Risk to life, health, infrastructure and any ecosystem arising due to climate change

Convention (UNFCCC): Refers to United Nation Framework Convention on Climate Change. The Royal Government of Bhutan ratified the convention in 1994.

Conference of Parities (COP): Refers to the meeting of parties under the UNFCCC

Cooperative approaches: voluntary scheme for carbon trading under the Paris Agreement

Decoupling (of GHG emissions): Refers to reducing the growth in GHG emissions while making economic and social progress

Greenhouse gas (GHG): Refers to the gases responsible for causing global warming

Intergovernmental Panel on Climate Change (IPCC): a scientific and intergovernmental body under the auspices of the United Nations dedicated to the task of providing the world with an objective, scientific view of climate change and its political and economic impacts.

Low emission development strategy (LEDS): Refers to a sectoral or national level development strategy aimed at ensuring socio-economic growth with minimum level of related GHG emissions

Mitigation: Refers to reduction in the anthropogenic emission of GHG to reduce global warming

National Adaptation Plan (NAP): Refers to a long-term plan for adapting to adverse impacts of climate change

NAP process: Refers to the procedure and processes related to formulation of the NAP document and its implementation at a later stage

National Climate Change Committee (NCCC): It is the highest body for decision making on matters related to climate change in Bhutan. The National Environment Commission acts as the NCCC

Nationally Determined Contribution (NDC): Refers to the best efforts put forth by countries under the Paris Agreement in order to ensure that the global temperature increase does not exceed 2°C above the pre-industrial levels.

Paris Agreement: It is a global agreement under the auspices of the United Nations Framework Convention on Climate Change (UNFCCC) and agreed during the 21st Session of the Conference of Parties at Paris, France. It entered into force on 4th November 2016.

Resilience: Refers to the capacity to recover from the damages caused by adverse impacts of climate change

Resource Mobilization: Refers to negotiations and discussions with potential donor agencies or sources to secure resources for implementation of country plans and programs

Stakeholder: Refers to all the agencies and bodies responsible/consulted for the formulation of the policy including those that have a role in the implementation of this policy

Temperature goal (of Paris Agreement 1.5 and 2 degrees): Refers to the objective of the Paris Agreement to restrict the global temperature rise below 2°C above the pre-industrial levels

Transformative: Refers to causing a marked change

Vulnerability: Refers to susceptibility to a changing climate

Vulnerable groups: Refers to the section of the society that are more prone to adverse impacts of climate change due to personal features of the individual (age, health etc) and/or social and institutional context such as levels of inequality and income etc.

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3. Policy Statement

To achieve the overall vision and objectives of the CCP, four broad areas of actions are required covering mitigation of emission, adaptation to the adverse impact of climate change, ensuring adequate support measures and effective engagement among stakeholders.

The Royal Government of Bhutan made the commitment to remain carbon neutral at COP15 of UN Framework Convention on Climate Change in 2009 and reiterated the commitment under its Nationally Determined Contribution (NDC) to the Paris Agreement in 2015 as a contribution to keep the planet safe for the benefit of present and future generations.

Climate change poses a threat to sustainable development and to the pursuit of gross national happiness. Therefore, measures to build resilience and reduce vulnerability are necessary to adapt to the adverse impacts of climate change and minimize future climate risks.

In order to implement climate actions, international support in the form of finance, technology, capacity building, research and awareness is required as outlined in the first NDC. Bhutan must be ready to access and receive international support while also mobilizing some amount of domestic support under the objective of achieving self-sufficiency and economic self-reliance.

Climate change is a cross-cutting issue and needs to be addressed comprehensively and coordinated effectively across all relevant sectors and levels. A review of institutional arrangements revealed that while integration of climate change into various policies, programs and plans are starting to take place; there are a lot of duplication of efforts due to a lack of clarity in roles and mandates. This has further led to uncoordinated approach in determining national priorities in addressing climate change.

In order to ensure effective and efficient implementation of this policy, the following statements and measures shall guide the implementation of climate change actions in Bhutan.

Policy Objective 1: Pursue carbon neutral development

The RGOB shall take appropriate measures to maintain the carbon neutral status of Bhutan towards ensuring 'ecologically balanced sustainable development while promoting justifiable economic and social development' by pursuing a low GHG emissions development pathway.

Statement:

- 1.1 Manage and conserve the carbon sink in forests and soils to maintain carbon neutral status.
- 1.2 Pursue transformative actions and approaches to decouple GHG emissions from industrial, transport and waste sectors through integration of higher value chains in manufacturing, improved efficiency and energy diversification in resource and energy use while contributing towards building economic resilience and energy security.
- 1.3 Manage GHG emissions from agricultural sector in a manner that does not threaten food production while contributing to food and nutritional security.
- 1.4 Fulfill relevant commitments on mitigation under the UNFCCC and Paris Agreement in line with national priorities and processes, including preparing periodic Nationally Determined Contributions to prioritize mitigation actions across relevant sectors.
- 1.5 Utilize relevant mechanisms under the Paris Agreement such as 'cooperative approaches' the 'mechanism for mitigation and sustainable development', "framework for non-market approaches to sustainable development" and other measures to contribute to the goal of remaining carbon neutral.
- 1.6 Emission reduction credits generated from various activities shall be allocated based on mutually agreed arrangements and certain percentage will be levied by the government to cover administrative and transaction cost and contributions to national climate funds.
- 1.7 Monitor carbon neutral status of Bhutan through annual monitoring of GHG emissions by sectors, and periodic assessment of carbon sink in forests and soils.
- 1.8 Establish project level monitoring, reporting and verification (MRV) systems in compliance with requirements and standards of relevant international and national mechanisms.

Policy Objective 2: Building resilience to climate change

RGOB shall take measures to protect the health, lives, livelihoods and happiness of the people of Bhutan from the adverse impacts of climate change by building adaptive capacity and resilience to reduce vulnerability and by integrating adaptation actions into the development planning process at all levels.

Statement:

- 2.1 Ensure a continuous, progressive and iterative process to assess the vulnerability and adaptation needs across all sectors and levels in Bhutan recognizing the special needs of vulnerable groups through the National Adaptation Plan process.
- 2.2 Promote and assess the integration of climate change adaptation planning and implementation of adaptation actions into national and local level plans through government budget allocations.
- 2.3 Enhance the climate information and knowledge system to support a long-term, iterative process of adaptation planning and implementation.
- 2.4 Assess progress in adaptation including measurement of resilience to climate change.

Policy Objective 3: Ensure means of implementation

RGOB shall strive to ensure adequate means of implementation (through finance, technology, capacity building, research and awareness, integration) to support both mitigation and adaptation actions.

3.1 Statement for finance support:

- 3.1.0 Ensure a coherent and coordinated nationally driven approach to accessing climate finance for prioritized climate actions, from international climate funds, development partner and donors to supplement support for sustainable development activities including as a part of or in support of a national resource mobilization strategy.
- 3.1.1 Ensure sufficient budget allocation for prioritized climate change activities from various sources including from national budgets, funds and other domestic contributions for climate change action.
- 3.1.2 Support and promote private sector investment in climate change action in line with applicable national laws and support from international mechanisms available for private sector action on climate change including Public Private Partnership (PPP Policy) and climate change funds.
- 3.1.3 Monitor and report flow of financial support from domestic and international sources for climate action through the government budgetary system to ensure transparency of support needed and received.

3.2. Statement for technology support:

- 3.2.0 Promote the identification and transfer of appropriate technologies to support gender responsive mitigation and adaptation actions through international technology mechanism.
- 3.2.1 Promote innovation and development of traditional, indigenous and endogenous climate technologies

3.3. Statement for capacity building support:

- 3.3.0 Enhance the capacity of all relevant stakeholders and institutions including the local governments, community groups and beneficiaries to address climate change, including through relevant national training institutions.
- 3.3.1 Ensure a coherent and coordinated process to access support from international mechanism for climate change capacity building.

3.4. Statement for research, awareness and education support to understand the implication of climate change for Bhutan:

- 3.4.0 Support research, data collection where possible disaggregated by sex and age and knowledge management by relevant national research institutions and organizations to ensure informed decision making on climate change action.
- 3.4.1 Increase public awareness and understanding on climate change among different groups of people at all levels through education and outreach programs including through use of print, broadcast and online media.

3.5. Statement for integration of Climate Change actions across all sectors and levels

- 3.5.0 Develop guidance and tools for assessing, planning, integrating and implementing adaptation and mitigation measures at all levels and taking into account opportunities for synergies and cross-cutting issues, including gender equality considerations and disaster risk management.
- 3.5.1 Develop legislation for climate change depending on its need, to ensure coherent and clear implementation of national climate priorities in line with international obligations.

Policy Objective 4: Effective and coordinated actions

RGOB shall ensure an effective, efficient and coordinated national approach for implementing climate change action by avoiding duplication of efforts and promoting synergies through active collaboration and guidance.

Statement:

- 4.1 Avoid and reduce duplication of efforts in formulation and implementation of climate change plans and programs through active collaboration among relevant agencies and stakeholders in line with respective mandates, roles and responsibilities.
- 4.2 Promote synergies and collaboration across different legislation, policies, programs actions and thematic issues for effective use of resources for climate change action.
- 4.3 Provide strategic guidance for meaningful engagement at international and regional forums.

- 4.4 Monitor and report in-kind support, including technical assistance, for technology transfer, capacity building, education, awareness and research for climate change as appropriate.

4. Legislative Compliance

Conformity and compliance with relevant legislation

This policy is in compliance with all relevant national laws and international legal instruments in force in the Kingdom of Bhutan at the time of adoption of the policy. Furthermore, the climate change policy is formulated to respond to particular provisions of the following legal instruments:

- i. **Constitution of the Kingdom of Bhutan:** The policy aligns with the principle of state policy under Article 9.2 for the state to “*strive to promote those conditions that will enable the pursuit of Gross National Happiness*” and also Article 5 including the obligation for the royal government to “*protect, conserve and improve the pristine environment and safeguard the biodiversity of the country*” and “*ensure a safe and healthy environment*”.
- ii. **National Environment Protection Act 2007:** This policy is formulated by aligning to the principles in the Act and also supported the implementation of mandates and functions of the NEC and its Secretariat in implementing obligations under multilateral agreements, and in facilitating the implementation of actions by stakeholder agencies.
- iii. **Public Finance Act 2007:** The climate finance will be governed by Chapter VI of the Public Finance Act 2007.
- iv. **United National Framework Convention on Climate Change:** This policy has been formulated to implement actions by Bhutan to fulfill the ultimate objective of convention in line with all the principles and commitments for parties, particularly the principle of common but differentiated responsibilities.
- v. **The Paris Agreement:** The policy has been formulated to ensure implementation of all obligations under the Paris Agreement including on national contributions towards achieving the temperature goal. Bhutan has already achieved the long-term goal of carbon neutrality by second half of the twenty first century as envisions in the Agreement and the policy provides measures for Bhutan to maintain the carbon neutral status. Measures have also been included in the policy to ensure transparency of action as the cornerstone of the Agreement and to ensure that actions taken by Bhutan can receive support in a country driven and transparent manner.
- vi. **Kyoto Protocol:** This policy complies with the provisions that are relevant for Bhutan such as to participate voluntarily under the Clean Development Mechanism.
- vii. **Montreal Protocol on Substances that Deplete the Ozone Layer:** The Montreal controls chloroflourocarbons (CFC) and hydroflourocabons (HCFC) which are also greenhouse gases.

- viii. **Carbon Neutral Declaration:** The “Declaration of the Kingdom of Bhutan - The Land of Gross National Happiness to Save our Planet” made by the Kingdom of Bhutan in 2009 and reaffirmed in 2015 is a unilateral declaration and may have the status of international customary law. Therefore, as far as the obligations of Bhutan are concerned; the commitment to ensure GHG emissions remain below forest sinks must be fulfilled.
- ix. **The Convention on the Elimination of all Forms of Discrimination Against Women (CEDAW):** The CEDAW general recommendation no. 37 states the importance of taking concrete steps to address discrimination against women in the fields of disaster risk reduction and climate change through the adoption of targeted laws, policies, mitigation and adaptation strategies, budgets and other measures.

While assessing the legislative compliance of this policy, applicability and adequacy of various existing environmental laws in Bhutan were assessed in addressing mitigation and adaptation requirements to be implemented as obligations under the UNFCCC and Paris Agreement. The general conclusion from the assessment and the consultative process is that a separate legislation for a climate change act is required to ensure coherent and clear implementation of national climate priorities in line with international obligations.

5. Implementation procedure

As climate change is a cross cutting issue that will affect all sectors and stakeholders in Bhutan, the procedures and responsibilities for implementing the climate change policy will cover all agencies, institutions, organizations and stakeholder groups.

General roles and responsibilities:

1. All sectors and stakeholders in Bhutan will be affected by climate change and therefore shall undertake appropriate action on climate change. The actions shall take into consideration the various groups of population.
 - a. All government agencies and institutions shall assess priorities and needs on mitigation and adaptation and integrate such actions within their plans and programs in line with their respective mandates and the policy statements, measures and action plan in this policy.
 - b. The government shall encourage climate change action by the private sector, civil society and communities to implement this policy through relevant provision of adequate support and incentives.
 - c. The government shall support and empower the most vulnerable groups to be able to engage in climate change actions.
2. While all government agencies shall take climate change action, national level agencies and local government agencies shall, in line with respective mandates, undertake action for climate change as follows:
 - a. *General role of national level agencies*
 - i. Take the lead in integration of climate change mitigation and adaptation measures in sectoral plan, policies and programs while ensuring synergies”
 - ii. Research and knowledge generation to inform climate change actions.
 - iii. Implementing national level programs and capital-intensive actions.
 - iv. Establishing and managing national early warning systems in relevant sectors affected by climate change.
 - v. Establishing and managing where relevant, sex and age disaggregated data and information to inform climate change actions.
 - vi. Mobilize funds and resources for climate change action.
 - vii. Ensuring overall monitoring and evaluation of actions.
 - viii. Providing support to local governments, civil society and private sector with capacity building, awareness, finance, and technical backstopping.
 - b. *General role of local level agencies*
 - i. Plan and implement local level climate change actions within respective jurisdictions.
 - ii. Function as partners for advocacy and awareness to different groups of the general public and respective communities.

- iii. Support the identification, development and management of local practices, knowledge and endogenous technologies relevant for climate change action.

Institutional arrangements for climate change

1. The overarching existing institutional arrangements for climate change shall continue, and will be enhanced as follows:

Overall coordination and oversight of the climate change policy

- a. *National Climate Change Committee*: The National Environment Commission (NEC) shall continue to function as the high-level National Climate Change Committee (NCCC). The NEC chaired by the Hon'ble Prime Minister is the highest cross-sectoral environmental policy and regulatory body responsible for coordinating all the matters relating to the protection, conservation and improvement of the environment. The NEC derives its mandate from the National Environment Protection Act 2007, Water Act, Waste Prevention and Management Act, Environmental Assessment Act and other directives of the government. The NCCC is supported in implementing its mandates and functions through the National Environment Commission Secretariat (NECS).

The NEC, in its functions as National Climate Change Committee (NCCC), will consider all policy and regulatory matters on climate change and provide overall guidance on the Climate Change Policy and ensure that the policy is implemented by all sectors. NECS in supporting the NEC/NCCC shall also lead the preparation of national strategies and plans on climate change such as NDCs, NAPs, LEDS.

- b. *Climate Change Coordination Committee*: The Climate Change Coordination Committee (C4) is the technical body to serve as a forum for discussion and coordination of matters related to climate change in Bhutan and makes recommendations for consideration by the NCCC/NEC. The C4 is comprised of high-level executive representation from stakeholder agencies and organizations and is chaired by the Secretary of NECS. The committee derives its mandate from the Executive Order of the Prime Minister of October 16, 2016. The C4 is supported in implementing its mandates and functions through the Climate Change Division of NECS.

The C4 will monitor and provide guidance on the overall implementation policy. The C4 will in particular ensure an effective and coordinated implementation of actions on climate change as articulated in policy objective #4.

Resource mobilization and allocation

- c. *Gross National Happiness Commission:* Besides coordinating preparation of policy and five-year plan, programming and prioritization of national priorities, the GNHC is also mandated to coordinate and facilitate mobilization of all external grants and ensure that grants are allocated to agencies and Local Governments based on government priority and guidelines in consultation with Ministry of Finance.

The GNHC will where possible support the integration of climate change into policies, programs and plans and mobilize external resources for the implementation of climate change programs and projects.

- d. *Ministry of Finance:* The Ministry of Finance (MoF) is mandated to formulate and implement dynamic fiscal policies and sound financial management through maximization of resource generation, efficient allocation, prudent expenditure and debt management and proper accountability of public resources. The mandates and functions of the MOF is governed by the Public Finance Act, Public Debt Policy, Income Tax Act, Revised Taxes and Levies Act, Fiscal Incentives 2017 and PPP Policy.

In line with provisions of the various legislations, MOF has mandate for resource mobilization and budget allocation and also providing fiscal incentives and other instruments to support private sector lending to support implementation of the policy.

Climate data and information

- e. *National Center for Hydrology and Meteorology:* National Center for Hydrology and Meteorology (NCHM) is mandated to provide national source of hydro-meteorological data, service and advice to meet the needs of the general public, emergency services and other specialized users.

NCHM will provide hydro-meteorological data and information, climate modeling and scenarios and other early warning services.

- f. *Royal University of Bhutan & Research institutions:* The Royal University of Bhutan (RUB) and other research institutions, in line with their respective mandates, shall conduct needs-based research to support informed decision-making and the planning and implementation of climate change action.

Sectors and line agencies

- g. All other line agencies as per the annex I, shall integrate climate change action within their respective mandates, policies and programs towards implementing this climate change policy.

Specific responsibilities

Specific actions and responsibilities shall be defined in a National Climate Change Action Plan as follows:

1. The climate change policy will be implemented by all relevant stakeholder groups as detailed in an action plan for implementation. The action plan will be developed and updated periodically as needed by NECS in consultation with stakeholders.
2. The action plan shall be developed to implement the measures identified under the policy statements in Chapter 3, and will be aligned to the NDC, NAPs. The action plan shall identify agencies, timelines and deliverables for each activity.
3. The implementation of the action plan will be integrated into the five-year plans, and annual work plans and budgets in line with guidelines of GNHC and MOF.

Processes for implementation

The implementation of this policy shall utilize the following processes:

1. *Coordination of plans and actions:*
 - a. In implementing provisions and action plan under this policy the NCCC will provide high-level policy guidance. The C4 shall ensure regular monitoring and facilitate coordination in implementing this policy and the action plan. NECS and CCD shall support the NCCC and C4, as the relevant secretariats, in implementing the mandates and functions.
 - b. All agencies and organizations shall actively engage in information sharing and collaboration through the C4, NCCC and other forums in ensuring a coherent and nationally driven approach to climate action.
2. *Climate change assessments and planning*
 - a. National priorities for mitigation (including assessment of GHG emissions and sinks) shall be assessed and prepared every five years under successive NDCs in accordance with obligations and timelines of the Paris Agreement. *(Lead Responsibility: NECS)*
 - b. National priorities for adaptation shall be assessed on the same periodicity as the NDC and undertaken as part of the NAP Process of the UNFCCC. National priorities and needs for adaptation shall be conveyed internationally as an “Adaptation Communication” under the Paris Agreement, and developed as part of NAP process. *(Lead Responsibility: NECS)*
 - c. In preparing the NDCs and NAPs, both top-down and bottom-up approaches shall be utilized for assessing circumstances and for

identifying needs and priorities at all relevant levels among different population groups.

- d. Selection of sectors and assessments shall be conducted by applying guidelines and methodologies of the Intergovernmental Panel on Climate Change and other guidance available under the UNFCCC process.
- e. The assessment of climate change adaptation and mitigation shall be informed by latest available data where possible disaggregated by sex and age, the best available science considering the national geophysical circumstance.

3. *Implementation and integrating climate change priorities*

- a. The prioritization of climate actions shall utilize multi-criteria assessments that include the cost and potential for climate change benefits as parameters, among others. *(Responsibility: All agencies)*
- b. All priority actions identified in the NDCs and NAPs will be integrated into subsequent national and local plans along with indicative budgetary requirements. *(Lead Responsibility: NECS, GNHC, MOF)*
- c. The private sector and civil society and local communities shall be engaged as partners for implementing climate change priorities based on needs and also comparative advantages. *(Responsibility: All agencies including, CSOs, CBOs)*
- d. Tools and methodologies for costing, prioritization and integration of climate change actions shall be developed to assist planners and decision makers. *(Lead Responsibility: NECS, GNHC, MOF)*

4. *Ensuring synergies and cross cutting issues*

- a. In planning for climate change action, opportunities to ensure synergies and reduce conflicts with other policies and multilateral environmental obligations shall be explored. *(Lead Responsibility: C4, NECS, GNHC, Responsibility: All agencies)*
 - i. Synergies for mitigation action shall consider, among others, opportunities for control of ozone depleting substances, land degradation and desertification, biodiversity, and control of short-lived climate pollutants, air pollution and health benefits.
 - ii. Synergies shall also consider opportunities for action to address adaptation and mitigation co-benefits such as ecosystem adaptation, reducing land degradation, and biodiversity management, food, water and energy security, among others.

- b. Gender issues shall be integrated across all climate change actions. Such integration shall be informed by situational analysis of gender gaps and issues and the inter linkages with climate change in Bhutan and will aim to advance the identified gender aspects that need to be addressed through gender responsive climate actions. .
(Responsibility: All agencies with support of NCWC)

5. *Local level stakeholders and communities*

- a. In preparing strategies, programs and plans for climate change actions, stakeholder consultation shall include local government, communities, civil society and the private sector. *(Responsibility: All agencies including, CSOs, CBOs)*
- b. Local traditions, practices and indigenous knowledge shall be considered and respected in developing climate change plans and programs. *(Responsibility: All agencies including, CSOs, CBO)*

6. Monitoring and Evaluation

Monitoring the implementation and effectiveness of the CC Policy and action plan

- a. Overall progress in implementing the policy shall be monitored by NCCC and C4 as follows:
 - i. NCCC shall monitor progress in implementation of this policy on annually through the C4 and NECS.
 - ii. C4 shall monitor the implementation of this policy and action plan on a biannual basis through CCD/C4.
- b. All agencies and organizations shall provide updates and reports to C4 on progress made towards implementing respective actions under this policy and the action plan.

Evaluation of progress in implementing the policy

- c. Overall progress in implementing this policy shall be included in the annual report of NEC to the Cabinet and Parliament in line with NEPA and other established government procedures.
- d. The Royal Audit Authority may conduct performance audit in the implementation of this policy as appropriate.
- e. The policy impact at the national level will be evaluated in line with the Evaluation Protocol and Guidelines.

Review effectiveness of the Policy

- f. C4 shall review the CCP as and when necessary to ensure effectiveness and adequacy of this policy in addressing mitigation and adaptation actions and recommend national legal instrument, if such needs arise in future.

6. Adoption Date

[Insert standard text]

This policy on climate change action... is hereby adopted.... .. on this date..... by
Signed

7. Climate Change Action Plan

IN SEPARATE DOCUMENT

Annex I: Institutional Arrangement

Agency	Existing Mandates	Climate Change Actions
Ministry of Agriculture and Forests:	The Ministry of Agriculture and Forests (MoAF) has the mandate to enhance rural livelihoods and is also the custodian of the forest resources of the country. They derive their mandate through several Acts, Policies and government directives (Seed Act, Biodiversity Act, Food and Nutritional Policy, National Forest Policy etc.).	<p>Management of forest and soils as carbon sinks and also as areas for ecosystem-based adaptation</p> <p>Management of emissions from agriculture and livestock sector</p> <p>Resilience of food, livestock sector and biodiversity.</p>
Ministry of Economic Affairs	The Ministry of Economic Affairs (MoEA) sets the agenda for the economic development of the country through the development of the manufacturing, trading, mining and energy sectors. The various departments under the Ministry are governed by several different policies.	<p>Integration of low emission development strategies in energy and industry and provision of incentives for environmental performance as per EDP</p> <p>Building resilience in energy and industry sectors.</p>
Ministry of Works and Human Settlement	The Ministry of Works and Human Settlement (MoWHS) has the mandate to formulate and implement policies, regulations and plans related to physical infrastructure and human settlement.	<p>Managing resilience of human settlements, infrastructure.</p> <p>Managing emission of GHG from settlements, waste management.</p>
Ministry of Information and Communication	The Ministry of Information and Communication (MoIC) promotes the development of reliable and sustainable information, communications and transport networks and systems facilitating the provision of affordable and easier access to associated services. It is governed by the Road safety and Transport Act and National Transport Policy.	Managing emissions from transport sector.
Ministry of Labor and Human Resources	The Ministry of Labor and Human Resources (MoLHR) has the mandate to develop skill sets for economic development to ensure gainful employment for all Bhutanese workforces.	Capacity building support and integration into training institutions.
Ministry of Health	The Ministry of Health (MoH) has the mandate to ensure access, equity and	

	quality health services	
Ministry of Home and Cultural Affairs	The Ministry of Home and Cultural Affairs (MoHCA) is mandated to coordinate and monitor cross-sectoral issues related to immigration, local governance, culture, disaster management, law and order in the country;	Prepare for and respond to climate induced disasters and local actions on climate change
Ministry of Education	The Ministry of Education (MOE) is mandated to provide equitable and inclusive quality education and lifelong learning for all, through provision of the necessary learning space and opportunity to harness their full potential as productive citizens.	Develop curriculum on environment and climate change. Impart knowledge on climate change at different levels of the education system.
Ministry of Foreign Affairs		Provide guidance on matters that are political in nature for multilateral engagements.
Other stakeholders (CSOs, NGOs and Private Sector)		Facilitate and implement climate change actions