

**MINISTRY OF ENERGY AND NATURAL RESOURCES**



**MEMORANDUM OF UNDERSTANDING**

**Between**

**DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE (DECC)**

**And**

**DEPARTMENT OF AGRICULTURE (DoA)**

**DEPARTMENT OF LIVESTOCK (DoL)**

**DEPARTMENT OF ENERGY (DoE)**

**DEPARTMENT OF FORESTS AND PARK SERVICES (DoFPS)**

**DEPARTMENT OF INDUSTRY (DoI)**

**DEPARTMENT OF SURFACE TRANSPORT (DoST)**

**BHUTAN CIVIL AVIATION AUTHORITY (BCAA)**

**BHUTAN CONSTRUCTION AND TRANSPORT AUTHORITY (BCTA)**

**For**

**COLLABORATION ON DATA SHARING FOR THE NATIONAL GREENHOUSE GAS  
INVENTORY**

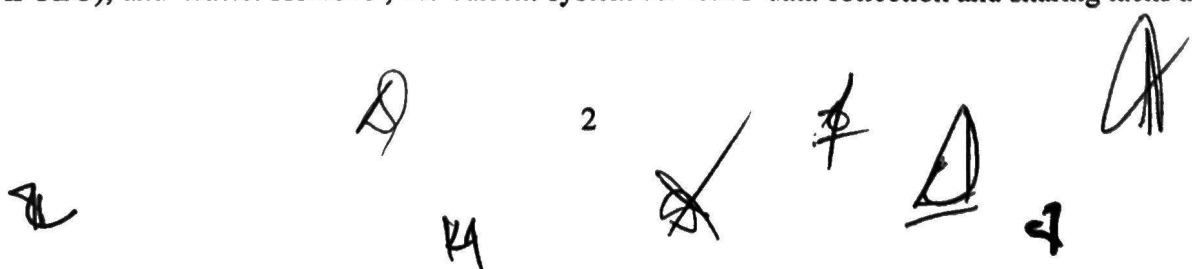
**Preamble**

The Memorandum of Understanding (hereinafter referred to as **MoU**) is signed between the Department of Environment and Climate Change, Ministry of Energy and Natural Resources (hereinafter referred to as **DECC**) and Department of Agriculture, Ministry of Agriculture and Livestock (**DoA**); Department of Livestock, Ministry of Agriculture and Livestock (**DoL**); Department of Energy, Ministry of Energy and Natural Resources (**DoE**); Department of Forests and Park Services, Ministry of Energy and Natural Resources (**DoFPS**); Department of Industry, Ministry of Industry, Commerce and Employment (**DoI**); Department of Surface Transport, Ministry of Infrastructure and Transport (**DoST**); Bhutan Civil Aviation Authority (**BCAA**); Bhutan Construction and Transport Authority, Ministry of Infrastructure and Transport (**BCTA**); hereinafter referred to as the '**Parties**' for collaboration and data sharing for the National Greenhouse Gas Inventory.

**WHEREAS**, as a party to the United Nations Framework Convention on Climate Change (UNFCCC), the Kyoto Protocol, and the Paris Agreement, Bhutan is committed to mitigating climate change and adapting to its impacts. In line with these commitments, Bhutan must periodically develop and submit National Greenhouse Gas (GHG) Inventories, detailing emissions by anthropogenic activities, sources and removals by sinks.

**WHEREAS**, the National GHG Inventory provides a comprehensive assessment of Bhutan's emissions levels and trends, guided by the Climate Change Policy 2020, which upholds the nation's pledge to remain carbon neutral. To enhance its reporting under the Paris Agreement's Enhanced Transparency Framework, Bhutan is implementing the Capacity-building Initiative for Transparency (CBIT) project. This initiative strengthens national capacity for compiling and updating GHG inventories using advanced methodologies developed by the Intergovernmental Panel on Climate Change (IPCC).

**WHEREAS**, developing the inventory requires close collaboration across key sectors, including Energy, Industrial Processes and Product Use (IPPU), Agriculture, Forestry, and Other Land Use (AFOLU), and Waste. However, the current system for GHG data collection and sharing lacks a

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structured framework and formal institutional arrangements, leading to inefficiencies in data compilation and delays in reporting to the UNFCCC.

Acknowledging these challenges and the need for an effective framework, the parties agree to the following terms and conditions:

### PURPOSE

1. The main purpose of this MoU is to:
  - 1) Enhance transparency and evidence-based policy decisions under the Paris Agreement and the Convention.
  - 2) Institutionalize GHG inventory into the plans and programs of the respective agencies for sustainable integration into national frameworks.
  - 3) Define the roles and responsibilities of both parties in the collection, management, and sharing of GHG inventory data, and streamline the processes involved to ensure accurate and timely reporting under the UNFCCC.

### AREAS OF COOPERATION AND COLLABORATION

2. The parties agree to collaborate closely in the following areas:
  - 1) Develop inventory systems, with sector-specific data and analysis provided by the parties.
  - 2) Share the activity data related to the GHG inventory for reporting to the UNFCCC.
  - 3) Enhance technical expertise through targeted training and addressing capacity gaps.
  - 4) Mobilize necessary resources within their respective budgets to fulfill their responsibilities.

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3. The DECC shall:

- 1) Facilitate the parties in planning, collecting, reporting, and archiving the activity data for GHG inventory.
- 2) Lead the development of a centralised GHG data repository system or Measurement, Reporting, and Verification (MRV) system, with support from the GovTech Agency, to enhance data management and reporting capabilities.
- 3) Ensure the functionality and reliability of the system with periodic data collection in coordination with the Parties.
- 4) Facilitate capacity building and training for the parties to strengthen their technical expertise in data collection, management, and dissemination.
- 5) Designate an officer from DECC as the GHG inventory compiler.
- 6) Allocate financial and other resources, within DECC's budgetary limits, to fulfill its roles and responsibilities under this MoU.
- 7) Convene biannual meetings with all parties to plan, monitor, and evaluate implementation progress and outcomes.
- 8) Ensure timely responses to correspondence to maintain efficiency and facilitate the prompt progress and completion of tasks, as outlined in this MoU.

4. The Parties shall:

- 1) Establish and designate a GHG data provider to collaborate with DECC in implementing this MoU.
- 2) Collect and submit activity data to DECC through the inventory system of the sector, as per prevailing IPCC guidelines.
- 3) Establish and implement GHG data collection and sharing protocols within the IPCC sectors.
- 4) Identify financial, technical, and capacity needs and constraints during the implementation of this MoU and communicate them to DECC for appropriate action.
- 5) Pursue continuous capacity-building initiatives to ensure data quality control and assurance, consistent with the requirements of the Paris Agreement and Convention.

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**VALIDITY**

- 5. This MoU will be valid for a period of five years from the date of signature by the parties and DECC, and it may be reviewed on the completion of the 4th year if necessary at the request of the Parties; otherwise it may be renewed for 5 years as agreed between and by the parties.

**TERMINATION**

- 6. **The parties** shall, at any time, give written notice to the other party of its intention to terminate this MoU. In such a case, this MoU will be terminated six (6) months after such notice has been issued, without prejudice to ongoing cooperative activities.

**AMENDMENT**

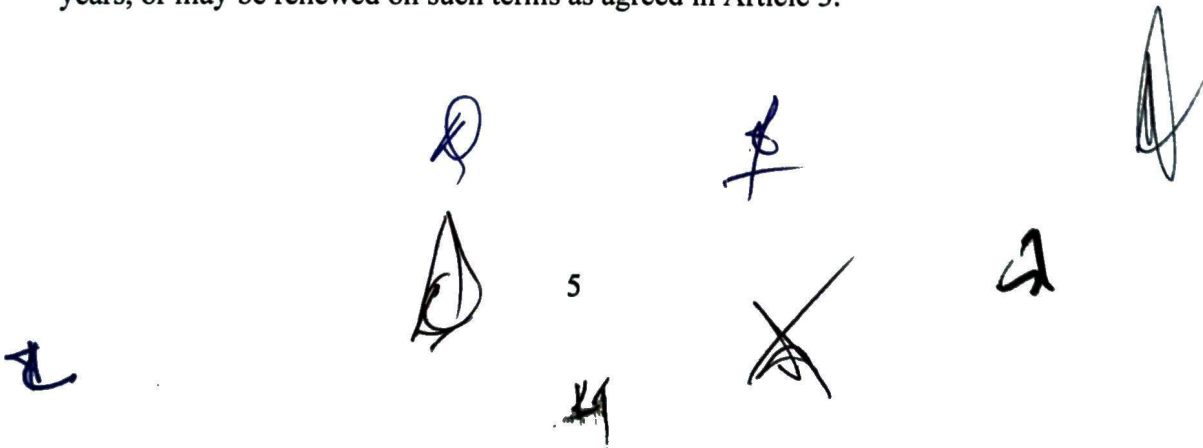
- 7. The parties may, by mutual consent, amend this MoU. All amendments shall be documented and signed by authorized representatives.

**DISPUTE SETTLEMENT**






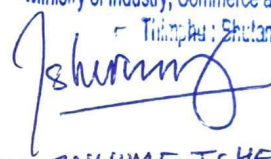



- 8. Any dispute regarding the interpretation or application of this MoU will be resolved through mutual consultations between the parties and DECC based on the principles of mutual understanding and respect.

**COMMENCEMENT**

- 9. This MoU shall come into effect on...16/10/25...(date) and shall be valid for five (5) years, or may be renewed on such terms as agreed in Article 3.

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In agreement of the above objectives and the terms and conditions, this Memorandum of Understanding is hereby signed on this 16th day of October, 2025

<p><b>On behalf of DECC</b></p>  <p><b>SONAM TASHI</b> <b>DIRECTOR</b> Department of Environment and Climate Change Ministry of Energy and Natural Resources Thimphu: Bhutan</p> <p>Name: <i>Sonam Tashi</i> Designation: <i>Director</i></p>	<p><b>On behalf of DoA</b></p>  <p><b>Director</b> Department of Agriculture Ministry of Agriculture and Livestock Thimphu: Bhutan</p> <p>Name: <i>Yonten Gyankho</i> Designation: <i>Director</i></p>	<p><b>On behalf of DoL</b></p>  <p><b>Director General</b> Department of Livestock Ministry of Agriculture and Livestock Thimphu: Bhutan</p> <p>Name: <i>Pritashi Yangzome Dorji</i> Designation: <i>Director General</i></p>
<p><b>On behalf of DoE</b></p>  <p><b>DIRECTOR GENERAL</b> DEPARTMENT OF ENERGY MINISTRY OF ENERGY AND NATURAL RESOURCES THIMPHU: BHUTAN</p> <p>Name: <i>Karma P. Dorji</i> Designation: <i>DG, DoE</i></p>	<p><b>On behalf of DoFPS</b></p>  <p><b>Director</b> Department of Forests &amp; Park Services Ministry of Energy &amp; Natural Resources Thimphu: Bhutan</p> <p>Name: <i>Karma Tenzin</i> Designation: <i>Director</i></p>	<p><b>On behalf of DoI</b></p>  <p><b>Director General</b> Department of Industry Ministry of Industry, Commerce and Employment Thimphu: Bhutan</p> <p>Name: <i>CHHIME TSHERING</i> Designation: <i>Director General</i></p>
<p><b>On behalf of DoST</b></p>  <p>Name: <i>Tenzin</i> Designation: <i>Director General</i></p>	<p><b>On behalf of BCAA</b></p>  <p>Name: <i>Rinley Wangchok</i> Designation: <b>DIRECTOR</b></p>	<p><b>On behalf of BCTA</b></p>  <p>Name: <i>DAWA ZANGMO</i> Designation: <b>DIRECTOR</b></p>
<p>Director General Department of Surface Transport MoIT: Thimphu: Bhutan</p>	<p>Bhutan Civil Aviation Authority Paro: Bhutan</p>	<p>Bhutan Construction &amp; Transport Authority Thimphu: Bhutan</p>