

**MINISTRY OF WATER AND ENVIRONMENT**



**CLIMATE CHANGE DEPARTMENT**

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**THE MINISTRY OF WATER AND ENVIRONMENT**

**AND**

**THE MINISTRY OF WORKS AND TRANSPORT**

**CONCERNING: DATA SHARING FOR THE NATIONAL  
GREENHOUSE GAS INVENTORY**

**2020**

This Memorandum of Understanding (MoU) is entered into on this .....day of .....2020 by and between **The Ministry of Water and Environment of Plot 21/28 Port Bell Road, Luzira P.O. Box 20026 Kampala**(hereinafter MWE), of the one Part

and

**The Ministry of Works and Transport, of Plot 57-59 Jinja Road P.O. Box 7174, Kampala** (hereinafter MoWT), of the other Part.

## PREAMBLE

### WHEREAS:

- i. By signing and ratifying the United Nations Framework Convention on Climate Change (UNFCCC), the Kyoto Protocol 2007, and the Paris Agreement 2015, Uganda has committed to the adoption and implementation of policies and measures designed to mitigate climate change and adapt to its impacts;
- ii. Uganda as a Party to the UNFCCC, is required to periodically develop and submit national inventories of anthropogenic emissions by sources and removals by sinks of all greenhouse gases (GHGs) not controlled by the 1987 Montreal Protocol;
- iii. The National Greenhouse Gas(GHG) Inventory report shows the country's level of GHG emissions for a given year, and, where reported, the trend of emissions over a certain time period;
- iv. The Uganda National Climate Change Policy 2015 requires MWE, more specifically the Climate Change Department (CCD), to develop an inventory of national aggregate greenhouse gas emissions, using existing and readily available data and resources;
- v. Cabinet, by Cabinet Minute 241 (CT2009) assigned MWE CCD the role of coordinating the implementation of climate change actions in the country, including climate change reporting;
- vi. Due to the volume and diversity of the information to be included in a National GHG Inventory, the preparation of the Inventory requires the involvement of a wide range of stakeholders;
- vii. MWE CCD has identified the key greenhouse gas emission sectors as Agriculture, Energy, Forestry, Transport, and Waste; and MoWT is therefore one of the key sources of information necessary for the preparation of the National GHG Inventory;
- viii. GHG data is shared between the sectors and MWE, this system of data collection, processing and transmission is not well structured to respond adequately to the UNFCCC reporting requirements;

- ix. There is currently no formal arrangement in place requiring the key emission sectors to periodically submit GHG data to MWE CCD;

NOW THIS MoU WITNESSES AS FOLLOWS:

## **ARTICLE 1**

### **OBJECTIVES.**

The objectives of this MoU are-

- (a) to streamline the collection, processing and sharing of GHG data between MoWT and MWE CDD for purposes of reporting under the UNFCCC;
- (b) to support the development of the National GHG Inventory, for purposes enhancing transparency and reporting under the Paris Agreement of the UNFCCC, and to influence policy decisions at the national level;
- (c) to clearly define the roles and responsibilities of MWE CCD and MoWT as relates to GHG data collection, processing and sharing for UNFCCC reporting;
- (d) to exchange GHG data and information, and share expertise, emission factors and methodologies pertaining to the development of the National GHG Inventory.

## **ARTICLE 2**

### **ROLES AND RESPONSIBILITIES.**

#### **2.1 Roles and responsibilities of MWE CCD.**

MWE CCD shall-

- (i) define key sources and sink categories; set minimum requirements for Quality Assurance (QA) and Quality Control (QC); specify methods to be used to calculate emissions and clarify uncertainties and any issues concerning emissions reporting;
- (ii) assist MoWT GHG data team with the use of activity data, and select and apply appropriate best practice, including the Intergovernmental Panel on Climate Change (IPCC) Good Practice Guidance to improve existing methodologies and emission factors;
- (iii) prepare the National GHG Inventory;
- (iv) make available to MoWT GHG data team, prior to submission to UNFCCC, the National GHGI for review to resolve any issues that may be identified by MWE CCD and MoWT GHG team;
- (v) provide continuous capacity building and training for the MoWT GHG data team in order to enhance technical capacity and expertise in data collection, management and dissemination;

- (vi) in consultation with MoWT GHG data team, agree on schedules, annual work plans and timelines for submission of the data and information to MWE CCD;
- (vii) in consultation with MoWT, address the technical and capacity needs and constraints in the implementation of this MoU identified by MoWT GHG data team;
- (viii) MWE shall for purposes of this MoU designate an officer as the Focal Point to coordinate with the MoWT GHG Team to implement the MoU;
- (ix) make available financial and other resources within the limits of the MWE CCD budget to carry out the roles and responsibilities of MWE CCD agreed to in this MoU.

## 2.2 Roles and responsibilities of MoWT.

MoWT shall undertake the following-

- (i) constitute and designate a GHG data team, headed by the MoWT Climate Change Focal Point, to work with MWE CCD to implement this MoU;
- (ii) the MoWT GHG data team shall collect, analyze and submit to MWE CCD, free of charge and in an agreed format, GHG data listed in Annex I to this MoU, and any other related data as may be found necessary or as may be required by MWE CCD for purposes of preparing or updating the National GHG Inventory;
- (iii) the MoWT GHG data team shall collect, archive and manage activity data from various data sources under the transport sector using the MWE 2019 'Technical Guide for National Greenhouse Gas Data Sharing' (Annex II to this MoU) or any other emissions data collection protocols designed by MoWT in consultation with MWE CCD;
- (iv) manage internal data acquisition and processing from MoWT agencies, and apply GHG data QA/QC measures as required by MWE CCD;
- (v) adhere to the inventory preparation schedule/annual work plan and submission timelines agreed to with MWE CCD;
- (vi) identify any technical and capacity needs and constraints in the implementation of this MoU and communicate these to MWE CCD for action;
- (vii) make available financial and other resources within the limits of the MoWT budget to carry out the roles and responsibilities of MoWT agreed to in this MoU.

## **ARTICLE 3.**

### **CONFIDENTIALITY.**

MWE CCD undertakes to maintain the confidentiality of any data labelled by MoWT as confidential.

**ARTICLE 4.**

**MEETINGS AND CORRESPONDENCE.**

To accomplish the goals and activities set forth in this MoU, the parties shall, as far as practicable-

- (a) Regularly meet for the purposes of planning and monitoring and evaluating outcomes from implementation of the MoU;
- (b) Respond to correspondence in a manner and timeframe that promotes efficiency and the timely progress or completion of objectives and tasks consistent with the roles and responsibilities set out in this MoU.

**ARTICLE 5.**

**MODIFICATION AND AMENDMENTS.**

This MoU may be amended or modified at any time by written mutual consent of both Parties.

**ARTICLE 6.**

**ENTRY INTO FORCE AND NOTIFICATION**

1. This MoU comes into force upon signature. It will remain in force for ten years, and may be renewed upon mutual consent by both Parties, based upon successful past implementation.
2. Each Party shall promptly notify the others in writing of any anticipated or actual material changes that will affect the execution of this MoU.

**Signatures**

On behalf of MWE CCD:

On behalf of MoWT

Name: .....

Name: .....

Position: .....

Position: .....

Signature: .....

Signature: .....

Date: .....

Date: .....

## ANNEX

**Annex I** contains the details of the data as per IPCC requirement, and data available for submission to MWE CCD by MoWT

### GHG DATA AS PER IPCC REQUIREMENT FOR SUBMISSION BY MoWT

**Lead Institution: Ministry of Works and Transport (MoWT)**

**Data supply status:**

<b>IPCC Requirement</b>	<b>Description</b>	<b>State of data</b>	<b>Data providers / owners</b>	<b>Other relevant actors</b>
1. Transport\civil aviation	Aggregate fuel consumption domestic and international (LTO and cruise) and average emission factors	Aviation fuel consumption data available presented in national energy statistics and the energy balance reports (Ministry of Energy and Minerals Development)	Civil Aviation Authority, Uganda Bureau of Statistics (UBOS)	Uganda Revenue Authority (URA), Aviation Companies
2. Transport\road	Fuel consumed by fleet category (distance and or tonnage)	Data on fuel and vehicle imports (engine capacity, vehicle stocks)  Data on vehicles in Kampala City  <i>Data incomplete, emissions cannot be computed by the sub sector</i>	UBOS, URA  Kampala City Council Authority	Municipalities and planned cities (data on vehicles operating), Uganda National Roads Authority (UNRA) Private sector transport associations
3. Transport\rail	Fuel consumed by rail transport category (distance and or tonnage)	Data incomplete	Uganda Railways Corporation	URA
4. Transport \water & other	Fuel consumed by water transport category and others (distance and or tonnage)	Data incomplete, registration of operators planned	MoWT	Water transport operators

## **ANNEX**

**Annex II** contains the MWE 2019 'Technical Guide for National Greenhouse Gas Data Sharing Among the Selected Key Emission Sectors of Uganda', that will be used by MoWT GHG data team in preparing the data and information required under this MoU. The Technical Guide is provided as an independent document to this MoU.