

MINISTRY OF WATER AND ENVIRONMENT



CLIMATE CHANGE DEPARTMENT

MEMORANDUM OF UNDERSTANDING

BETWEEN

THE MINISTRY OF WATER AND ENVIRONMENT

AND

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY



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

2020

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

and

National Environment Management Authority of Plot 17/19/21 Jinja Road, P.O Box 2225 Kampala, (hereinafter NEMA), 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 Policy2015 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 (CT 2009), 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 the 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, Transport, Forestry and Waste; and NEMA 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 sector 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 NEMA 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 the two entities, for purposes of reporting under the UNFCCC;
- (b) to support the development of the National GHG Inventory, for purposes of 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 NEMA as relates to GHG data collection, analysis 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 and quality control; specify methods to be used to calculate emissions and clarify uncertainties and any issues concerning emissions reporting;
- (ii) assist NEMA 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 NEMA GHG data team, prior to submission to UNFCCC, the National GHG Inventory for review, and to resolve any issues that may be identified by MWE CCD and NEMA GHG data team;

- (v) provide continuous capacity building and training of NEMA GHG data team in order to enhance technical capacity and expertise in data collection, management and dissemination;
- (vi) in consultation with the NEMA GHG team, agree on schedules, annual work plans and timelines for submission of the data to MWE CCD;
- (vii) in consultation with NEMA, address the technical and capacity needs and constraints in the implementation of this MoU identified by the NEMA GHG data team;
- (viii) MWE shall for purposes of this MoU designate an officer as the Focal Point to coordinate with the NEMA 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 as agreed to in this MoU

2.2 Roles and responsibilities of NEMA.

NEMA shall undertake the following;

- (i) constitute and designate a GHG data team, headed by the NEMA Climate Change Focal Point to work with MWE CCD to implement this MoU;
- (ii) the NEMA GHG data team shall process, analyze and submit to MWE CCD, free of charge and in an agreed format, GHG data listed in the 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 NEMA GHG data team shall collect, archive and manage activity data from various data sources available under the waste 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 NEMA in consultation with MWE CCD;
- (iv) manage internal data acquisition and processing from data suppliers in the waste sector hub, 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 NEMA budget, to carry out the roles and responsibilities as agreed to in this MoU.

ARTICLE 3.

CONFIDENTIALITY.

Both parties undertake to maintain the confidentiality of any data labeled by either party 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 NEMA

Name:

Name:

Position:

Position:

Signature:

Signature:

Date:

Date:

ANNEX

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

GHG DATA AS PER IPCC REQUIREMENT FOR SUBMISSION BY NEMA

Lead Institution: National Environment Management Authority (NEMA)

Data supply status:

<i>IPCC Requirement</i>	<i>Description</i>	<i>State of data</i>	<i>Data providers/ owners</i>	<i>Other relevant actors</i>
1. Solid Waste\Managed Disposal Sites	Degradable Organic Carbon (DOC) and Methane fraction of waste by population and waste type (food, paper, textile, sludge, industrial waste, nappies etc.)	Data partly available	NEMA, Uganda Bureau of Statistics, KCCA, and key municipalities and town councils	Academia, Ministry of Trade (MTIC), Ministry of Health (MoH), Uganda Manufacturers Association (UMA)
2. Solid Waste\Unmanaged Disposal Sites	Degradable Organic Carbon (DOC) and Methane fraction of waste by population and waste type (food, paper, textile, sludge, industrial waste, nappies etc.)	Data not well documented	NEMA, District Authorities, KCCA, key municipalities and town councils	Civil Society Organization, MoH, MTIC
3. Solid Waste\Uncategorized Disposal Sites	Degradable Organic Carbon (DOC) and Methane fraction of waste by population and waste type (food, paper, textile, sludge, industrial waste, nappies etc.)	Data not well documented	District Authorities	Academia, MoH
4. Solid Waste\Biological Treatment	Waste category amount (food, paper, textile, sludge, industrial waste, nappies etc.) treated mainly by municipalities (anaerobic and or Composite systems)	Data partly available	NEMA, KCCA, Municipalities	Academia, MoH, UMA
5. Waste Incineration	Amount of waste incinerated by (food, paper, textile, sludge, industrial waste, nappies etc.) fraction of dry matter content, fraction of carbon in dry matter, fraction of fossil carbon in total carbon	Data partly available on key institutions	NEMA, KCCA, Municipalities	Local government authorities, CSOs,
6. Open Burning	Population by region, fraction of population that burn waste, Kg waste /person/day, fraction burnt (compared to treated), days in a year	Data not available	N/A	District
7. Waste	Low \ High income rural and urban	Data partly	Directorate of	

Water\Treatment and Discharge (Domestic)	(discharge pathways i.e., sewer type, latrine by depth, latrine type, lagoon type)	available	Water Resources Management (DWRM) National Water and Sewerage Corporation (NWSC)	Authorities, CSOs
8. Waste Water\Treatment and Discharge (Industrial)	Waste water generated (m3) per (t) of industrial products (Abattoir, Alcohol refining, Beer & Malt, Pulp and Paper, Soap and detergents, coffee, dairy products, fish, poultry, organic chemical, Plastics and resins, starch production, Sugar refining, vegetable oils, vegetable, fruits & juices, wine and vinegar)	Data partly available	NWSC, NEMA	Ministry of Trade (MTIC), UMA, Small Scale Industries association (USSIA)

ANNEX II

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