



# MINISTRY OF ENERGY AND MINERAL DEVELOPMENT

29/33 Kampala Road, Amber House  
P.O. Box 7270, Kampala Tel: +256414349276

## NOTICE OF EXPRESSION OF INTEREST FOR PROVISION OF CONSULTANCY SERVICES TO CONDUCT WASTE FLOW SURVEYS AND CHARACTERIZATION FOR ENERGY GENERATION IN MBARARA AND MBALE CITIES. : MEMD/CONS/2021-22/00001/RED

- The Ministry of Energy and Mineral Development has allocated funds to be used for the provision of Consultancy Services to conduct waste flow surveys and characterization for energy generation in Mbarara and Mbale cities
- The Entity now invites eligible consultants to submit sealed expressions of interest for Consultancy services to conduct waste flow surveys and characterization for energy generation in Mbarara and Mbale cities
- Aim of the study: To conduct waste flow surveys and characterization of waste for energy generation in Mbarara and Mbale cities. This information is critically urgent for planning and management of investment in energy, provide efficient and effective services, and plan for future needs and track progress towards city recycling goals. Specifically, the study will undertake:
  - Waste characterization/ Composition Survey (WCS) to gather information on Physical Composition of MSW collected
  - Customer or Public Opinion Survey (COS) to gather information on public opinion on current waste management.
  - Market studies to assess current and future markets of targeted wastes
  - Energy potential assessments to assess the relative energy values of the different categories of wastes.
- Specific objectives:**
  - To conduct waste flow surveys and characterize waste generated in Mbale and Mbarara cities.
  - To gather information on public opinion on current waste management in Mbale and Mbarara cities through Customer or Public Opinion Survey (COS).
  - To assess current and future markets of targeted wastes through a market study.
  - To Determine the energy potential of the waste generated in Mbale and Mbarara cities.
- The shortlisting criteria will include:**  
**Eligibility Requirements;**
  - Valid Trading License.
  - Certificate of Registration/Incorporation or equivalent
  - A valid Tax Clearance Certificate addressed to the Ministry of Energy and Mineral Development where applicable.
  - Tax Registration certificate or its equivalent.
  - Registered or Notarised Powers of Attorney
- Competence of the firm:**
  - A firm with extensive experience in Waste-to-Energy, biological and thermal waste treatment, and landfill design and circular economy services associated with technologies that convert solid fuels, such as MSW, agricultural residues, and bio solids into electricity and heat.
  - Experience in design and application for the use of waste in energy, preparation and evaluation of economic and business planning, exploration of technology options, waste collection planning and optimisation, investment and operating cost estimates and environmental impact assessment and permitting.
  - Experience in carrying out technical and environmental feasibility of waste management Systems
- Requirements of the expert team**  
**7.1 Team leader**  
**The Team Leader shall have the following competencies:**
  - Master's degree in the preferred fields of renewable energy,

- environmental engineering or environmental sciences and natural resources management from a recognized university;
- Experience in the waste sector / waste to energy sector and having conducted similar studies.
  - At least one similar study conducted within the last five (5) years.

### 7.2 Energy expert

#### The energy expert shall have the following competencies:

- Master's degree in the preferred fields of renewable energy, engineering (environmental, agricultural, chemical) environmental engineering; chemical engineering, biochemistry from a recognized university.
- Experience in the energy sector and having conducted similar studies and experiments

### 7.3 Statistician

- The Statistician shall have the following competencies:
- Master's degree in Data Science and Analytics, Statistics or quantitative economics studies from a recognized university.
- Having participated in similar assignments

### 7.4 GIS expert

- The GIS expert shall have the following competencies:
- At least a bachelor's degree in Remote Sensing and GIS, Environmental Studies, Forestry or a similar field from a recognized university

### 7.5 Economist/ Business Analyst

- The Economist/ Business Analyst shall have the following competencies:
- Master's degree in applied economics, quantitative economics, business analytics, finance and accounting.
  - Technical skills and knowledge gained through high-powered economic research across a wide variety of industries.

- Consultants may associate with other firms in the form of a joint venture to enhance their qualifications. The form of association, where applicable, should be indicated in the Expression of Interest.
- Reservation scheme shall apply when evaluating expression of Interest.
- Interested eligible consultants may obtain further information at the address given below during office hours Monday to Friday from 08:00am to 05:00pm (except on public holidays).
- Sealed Expressions of Interest must be delivered to the address below at or before 10:00am on 16/08/2021  
**The Procurement and Disposal unit  
Amber House, Plot 29/33, Kampala  
First floor, room C109  
P. O. Box 7270,  
Kampala, Uganda.**
- The planned Procurement schedule (Subject to changes) is as follows:

Activity	Date
a. Publication of Notice of Expression of Interest	30/07/2021
b. Closing date for receipt of Expression of Interest	16/08/2021
c. Evaluation of Expressions of Interest	19/08/2021
d. Display of shortlist	25/08/2021

Mugunga Emmanuel F.  
FOR: PERMANENT SECRETARY