

# FEASIBILITY STUDY FOR THE INTEGRATED MUNICIPAL SOLID WASTE MANAGEMENT PROGRAMME (IMSWP) IN SOUTH AFRICA AND THE DEVELOPMENT OF A FUNDING PROPOSAL TO THE GREEN CLIMATE FUND

PROJECT NO. EOI/GCF-AEPW/2026



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**IMSWP OVERVIEW**

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**SUPPLY CHAIN MANAGEMENT REQUIREMENTS**

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**EXPRESSION OF INTEREST OVERVIEW**  
**INTEGRATED MUNICIPAL SOLID WASTE**  
**MANAGEMENT PROGRAMME**

- The assignment will focus on the following:
  - Undertaking feasibility studies and associated technical, environmental, social, financial, and institutional assessments
  - Preparation of a full funding proposal for submission to the Green Climate Fund (GCF) and AEPW
- The programme aims to transform municipal solid waste management in 6 municipalities in South Africa - Buffalo City Metropolitan Municipality, uMhlathuze Local Municipality, Steve Tshwete Local Municipality, Newcastle Local Municipality, Rustenburg Local Municipality, and the City of Mbombela Local Municipality
  - The Municipalities have been identified based on their readiness and potential to serve as replicable models for improving waste management systems nationally
  - Aims to promote waste diversion from landfills through improved waste collection, sorting, recycling, and organic waste treatment solutions, while integrating informal waste reclaimers and strengthening municipal waste management systems.
  - Further aims to support South Africa's transition from a traditional "refuse collection as a public service" model toward a circular economy approach that emphasizes waste valorization, greenhouse gas mitigation, and social inclusion

- **Purpose of the Assignment:**

- To identify and shortlist suitably qualified and experienced service providers or consortia to support the preparation of the Integrated Municipal Solid Waste Management Programme in the six targeted municipalities

- **The selected service provider shall:**

- Undertake pre-feasibility and feasibility studies for integrated municipal solid waste management systems, including baseline validation, technology assessments, site identification, and preliminary engineering design and costing of waste recovery and treatment infrastructure
- Conduct the environmental, social, gender, stakeholder engagement, policy, and climate impact assessments required to develop the Programme to investment readiness.
- Provide financial, legal, and institutional advisory services and support the preparation of a full funding proposal and supporting documentation for submission to the Green Climate Fund (GCF) and AEPW

## *Scope of Work of the Assignment*

- Scope of Work of the Assignment:
  - **Assessment of existing municipal solid waste management systems** - waste characterization, evaluation of existing infrastructure, landfill assessments, and mapping of stakeholders including the informal waste sector
  - **Technical analysis and feasibility studies** – identification of scalable waste diversion solutions, including the development of Material Recovery Facilities (MRFs), organic waste treatment options, waste-to-fuel or waste-to-energy solutions, and improvements to municipal waste collection and transfer systems.
  - **Preliminary engineering design and costing** - proposed waste management infrastructure, including site verification, process design, mass balance assessments, and capital and operational expenditure estimates
  - **Environmental, social, and gender assessments** - Environmental and Social Impact Assessments (ESIAs), Environmental and Social Management Plans (ESMPs), and development of a programme-level gender action plan
  - **Policy, institutional, and regulatory analysis** –Assessment of the enabling environment for integrated waste management interventions
  - **Financial, legal, and institutional advisory services** - Financial modelling, assessment of municipal financial capacity, identification of suitable financing structures, and exploration of public–private partnership models
  - **Climate impact assessment** - including modelling of greenhouse gas mitigation potential associated with waste diversion and treatment solutions
  - **Preparation of the full Green Climate Fund (GCF) funding proposal including all required annexures**

## *Expected Outputs and Deliverables*

- The following outputs shall be expected:
  - Pre-Feasibility and Feasibility Studies for the Integrated Municipal Solid Waste Management Programme across the six municipalities.
  - Environmental and Social Studies, including updated Environmental and Social Impact Assessments (ESIAs), Environmental and Social Management Plans (ESMPs), and programme-level environmental and social frameworks.
  - Gender Assessment and Programme-Level Gender Action Plan.
  - Financial, Legal, and Institutional Structuring of the Programme, including financial models and recommended implementation structures.
  - Stakeholder Engagement Plans and Policy/Regulatory Analysis.
  - Climate Impact Assessment, including greenhouse gas mitigation modelling.
  - Preparation and submission-ready **Green Climate Fund (GCF) Funding Proposal Package**, including supporting annexes, financial structures, theory of change, and results framework etc.
- Detailed deliverables shall be refined during the Request for Proposal Stage
- 20 month project duration – **Scope of Work and deliverables must be completed within 12 months of appointment**

- **Technical expertise and demonstrated experience** - planning, design, and preparation of integrated municipal solid waste management systems and infrastructure programmes, including waste diversion from landfill, circular economy approaches, organic waste treatment, recycling systems and plastics recovery.
- **Proven experience in conducting municipal solid waste feasibility studies** - including waste characterization and baseline assessments, technology assessment, preliminary engineering design, development of Material Recovery Facilities (MRFs), organics treatment technologies waste-to-fuel or waste-to-energy solutions, and improvements to municipal waste collection systems.
- **Experience in undertaking environmental and social studies**
- **Demonstrated experience in climate change analysis and greenhouse gas (GHG) modelling** - quantification of mitigation potential from waste sector interventions using internationally recognized methodologies and standards
- **Experience in financial and institutional advisory services related to infrastructure or environmental programmes** - financial modelling, programme structuring, and assessment of implementation and financing mechanisms (e.g., PPPs or blended finance).
- **Experience in preparing funding proposals** or project preparation documentation for international climate finance mechanisms, multilateral development banks, development finance institutions, or similar international funding entities
- **Demonstrated experience working with government entities, municipalities, development finance institutions, or multilateral organisations, including managing complex multi-stakeholder engagements**

Description	Max Weighting
<p>1. The service provider shall provide demonstrated experience in conducting <b>pre-feasibility or feasibility studies for integrated municipal solid waste management systems</b>, including waste collection, and any other initiatives supporting waste diversion (i.e. waste not going to landfill but being collected for recycling and/or recovery): recycling infrastructure, organics treatment, or waste-to-energy solutions, completed in the past ten (10) years.</p> <p>The service provider shall provide at least three (3) client reference letters, from the projects submitted in above, in the form of a client letter on a client letterhead.</p>	50 points
<p>2. The service provider shall demonstrate a proven track record in applying Green Climate Fund (GCF) methodologies and tools, including GHG, environmental and Gender Assessments, alignment with GCF investment criteria and development of key proposal components in support of GCF concept notes and/or full funding proposals, completed within the past ten (10) years.</p> <p>The service provider shall provide at least three (3) client reference letters, from the projects submitted above, in the form of a client letter on a client letterhead</p>	50 points
Total Points	100 points
Minimum Threshold	70 points

# SUPPLY CHAIN MANAGEMENT





**THANK YOU**