



# **COUNTY GOVERNMENT OF ISIOLO**

## **ISIOLO MUNICIPALITY**

### **MUNICIPAL ANNUAL URBAN INVESTMENT PLAN & BUDGET - FY 2024/2025**

**FY 2024-2025**

## **1. Introduction**

Isiolo Municipality, located in northern Kenya, serves as a critical regional hub due to its strategic position connecting northern and central Kenya. As part of Isiolo County, the municipality has seen rapid urbanization driven by development projects such as the Lamu Port-South Sudan-Ethiopia Transport (LAPSSET) Corridor and its designation as a prospective resort city. This growth has led to increased population and economic activities, which have put significant pressure on urban infrastructure and services. Despite its potential, Isiolo faces challenges in urban planning, with unplanned settlements, inadequate housing, and limited access to essential services such as water, sanitation, and solid waste management.

2. Solid waste management remains a critical issue for Isiolo Municipality. The lack of an organized waste collection and disposal system has led to widespread littering, open dumping, and burning of waste, which pose environmental and health risks. Poor waste segregation practices and insufficient infrastructure, such as collection trucks and designated landfills, further exacerbate the problem. The rapid production of non-biodegradable waste, such as plastics, combined with limited recycling initiatives, contributes to pollution and environmental degradation. These challenges are compounded by weak enforcement of waste management policies, limited public awareness, and resource constraints, which hinder the municipality's ability to maintain a clean and sustainable urban environment. Addressing these issues requires integrated urban planning, increased investment in infrastructure, community participation, and robust policy enforcement to support Isiolo's growth as a modern city. This annual investment plan for the year 2024/2025 document was prepared by the Department of Physical Planning and Urban Development based on a reviewed integrated strategic development plan (ISUDP) / ISILO Municipal Spatial Plan 2023-2033 and Isiolo Municipality Integrated Development Plan (IDEP) 2023-2027. The ISUDP plan has highlighted several points of intervention that could see Isiolo.

### **3. CONTEXT**

#### **Waste Management Facility Plan for Isiolo Municipality**

##### **3.1. Introduction**

The plan seeks to establish a comprehensive waste management facility in Isiolo Municipality to address the challenges posed by rapid urbanization, population growth, and increasing waste generation. This initiative aligns with Isiolo's strategic role in the LAPSET Corridor, its aspirations as a resort city, and Kenya's environmental and sustainability goals.

##### **3.2. Objectives**

- Develop a structured waste collection, treatment, and disposal system.
- Promote recycling and resource recovery to minimize environmental pollution.
- Enhance public health by reducing the risks associated with improper waste disposal.
- Align waste management practices with Kenya's environmental policies and the Sustainable Development Goals (SDGs).

##### **3.3. Key Components of the Plan**

###### **3.1 Infrastructure Development**

- Establish a centralized waste management facility with waste segregation, recycling, composting, and landfill units.
- Procure modern waste collection vehicles and strategically place waste bins throughout the municipality.
- Identify and secure land for the facility, ensuring minimal environmental and community impact.

###### **3.2 Community Awareness and Participation**

**3.3** Launch public awareness campaigns on proper waste disposal, segregation, and recycling benefits.

**3.4** Train community members on waste reduction practices and involve them in waste management initiatives.

#### **4 Policy and Regulatory Framework**

**4.1** Strengthen enforcement of environmental laws and waste management policies.

**4.2** Develop municipal bylaws to mandate waste segregation at the source for households and businesses.

**4.3** Provide incentives for recycling and penalties for illegal dumping.

#### **5 Partnership and Collaboration**

**5.1** Engage with stakeholders, including local communities, private sector players, NGOs, and government agencies, to ensure the project's success.

**5.2** Collaborate with recyclers and industries to create markets for recycled materials.

#### **6 Capacity Building and Technical Support**

**6.1** Train municipality staff in modern waste management technologies and practices.

**6.2** Invest in research and development for innovative waste management solutions tailored to Isiolo's unique needs.

#### **7 Financial Sustainability**

**7.1** Explore funding opportunities through partnerships with donors, development agencies, and public-private partnerships (PPPs).

**7.2** Implement a cost-recovery model, such as user fees for waste collection services, while ensuring affordability for low-income households.

### **4. Implementation Timeline**

#### **1. Short-Term (0–1 year):**

- Conduct feasibility studies and secure land for the facility.
- Raise awareness and engage stakeholders.
- Procure waste collection equipment and establish temporary collection systems.

**2. Medium-Term (1–3 years):**

- Construct the waste management facility and operationalize key units.
- Launch community training programs on waste segregation and recycling.
- Implement policy reforms and begin enforcement.

**3. Long-Term (3–5 years):**

- Expand recycling and composting programs to achieve a circular economy.
- Monitor and evaluate facility performance to refine operations.
- Scale up to accommodate future urban growth and technological advancements.

**5. Expected Outcomes**

- Reduced environmental degradation and pollution.
- Improved public health and quality of life for Isiolo residents.
- Enhanced economic opportunities through job creation and recycling initiatives.
- Alignment with national and global sustainability goals.

This plan provides a roadmap for addressing Isiolo Municipality’s waste management challenges, supporting its growth into a clean, sustainable, and modern urban center.

#### 4.0 Investment prioritization

Re-iterate the priorities as identified by the Urban Board, Priorities raised by the County Government (Assembly and Executive) and issues raised during citizen fora

S/NO	challenge	Area	Strategy	Programme
1.	Poorly linked road network	Isiolo Municipality	<ul style="list-style-type: none"><li>• Improvement of Municipality roads to all weather roads</li><li>• Improvement of main CBD</li></ul>	<ul style="list-style-type: none"><li>• Reclaim all encroached public way leaves</li><li>• Do phased Road development</li></ul>

			<p>linking road network in Municipality</p> <ul style="list-style-type: none"> <li>• Improve storm water drainage structures on all the CBD and Municipality linking roads</li> </ul>	<p>starting from the CBD Municipality roads</p> <ul style="list-style-type: none"> <li>• Corresponding storm water drainage structures and parking be implemented at the same time</li> </ul>
2.	Traffic Congestion	Isiolo CBD	<ul style="list-style-type: none"> <li>• Widen road junctions</li> <li>• Provide road signs and furniture</li> <li>• Introduce two By passes (Northern and Southern )</li> </ul>	<ul style="list-style-type: none"> <li>• Improve Junction of CBD roads with Nairobi- Isiolo-Moyale Road and Isiolo-Mandera Road</li> <li>• Erect clear seen road signs and furniture</li> <li>• Determine and mark the location of the road by passes on the maps.</li> <li>• Prioritize the construction of the roads</li> </ul>
3.	Clogged storm water drains	Isiolo CBD	<ul style="list-style-type: none"> <li>• Unblock and clean up clogged drains</li> </ul>	<ul style="list-style-type: none"> <li>• Rehabilitate side drains along all Municipality CDB roads</li> <li>• Construct paved foot paths and parking lots</li> </ul>

4.	Create Recreational Facilities in Isiolo	Isiolo CBD	<ul style="list-style-type: none"> <li>Efficiently manage the existing public park</li> </ul>	<ul style="list-style-type: none"> <li>Fence off public park</li> <li>Provide public seats</li> <li>Provide solid waste collection receptacles</li> <li>Regular maintenance of trees, flowers and grass</li> </ul>
5.	Un- named , properties, roads ,lanes and streets	Isiolo Municipality	<ul style="list-style-type: none"> <li>Improve on orientation and location of buildings and businesses</li> </ul>	<ul style="list-style-type: none"> <li>Physical Addressing system for all properties, Municipality roads, streets and lanes</li> </ul>
6	Increased street lightings and improved connections	ALL WARD IN ISIOLO Municipality	<ul style="list-style-type: none"> <li>Construction of a new modern market</li> <li>Renovations of existing markets such as Westgate and old stage</li> </ul>	<ul style="list-style-type: none"> <li>Construction of modern market.</li> <li>Renovation of dilapidated market facilities</li> <li>Provision of ancillary facilities</li> </ul>



				<ul style="list-style-type: none"> <li>Digitization of revenue collection</li> </ul>
7	Lack of fire station in PPPs Municipality	ISIOLO Municipality CBD	<ul style="list-style-type: none"> <li>Supply for the tools</li> </ul>	<ul style="list-style-type: none"> <li>Beacon the land for the fire station</li> <li>Design and construct station to specification</li> <li>Procure and maintain firefighting plant and equipment</li> </ul>
8	Poor management of solid waste	Isiolo Municipality	<ul style="list-style-type: none"> <li>Dispose of waste in an environmentally acceptable manner</li> </ul>	<ul style="list-style-type: none"> <li>Provide waste storage bins and cubicles</li> <li>Purchase waste handling technology e.g. refuse trucks ,tractors ,and skips</li> </ul>

### Challenges of Waste Production in Isiolo Municipality

Isiolo Municipality faces significant challenges related to waste production, driven by urbanization, population growth, and inadequate infrastructure. These challenges include:

### **1. Rapid Urbanization and Population Growth**

- The municipality's rapid growth has led to increased waste generation, outpacing the existing waste management infrastructure and services.
- Informal settlements contribute significantly to waste production but are often underserved by formal collection systems.

### **2. Unplanned Urban Development**

- Unplanned expansion of residential and commercial areas has made it difficult to design efficient waste management systems, leading to scattered and unmanaged waste production points.

### **3. Limited Waste Segregation at Source**

- Most households and businesses in Isiolo do not separate organic, recyclable, and hazardous waste at the source, making proper disposal and recycling difficult.
- Mixed waste increases the volume of landfill material and reduces the efficiency of recycling efforts.

### **4. Increased Generation of Non-Biodegradable Waste**

- The rise in the use of plastics, electronics, and other non-biodegradable materials has escalated waste management challenges, as these materials take longer to decompose.
- Lack of recycling initiatives exacerbates the accumulation of such waste.

### **5. Cultural and Behavioral Practices**

- Cultural norms and low awareness about the environmental impact of waste contribute to improper disposal practices, including littering and open dumping.

- A lack of community participation in waste reduction and management initiatives limits progress.

## **6. Economic Activities**

- Isiolo's growing markets, small-scale industries, and tourism activities generate diverse types of waste, including food, packaging, and construction materials.
- Seasonal activities like livestock trading and tourism create fluctuating waste patterns, complicating management efforts.

## **7. Inadequate Infrastructure**

- The municipality lacks sufficient infrastructure, such as waste collection vehicles, bins, and treatment facilities, to handle the increasing waste production.
- Poor road networks in some areas hinder waste collection, particularly in rural and peri-urban regions.

## **8. Environmental and Climatic Factors**

- Isiolo's semi-arid climate slows down the natural decomposition of organic waste, leading to prolonged environmental pollution.
- Wind patterns contribute to the spread of lightweight waste like plastics, increasing environmental litter.

## **9. Economic Limitations**

- Low-income households often lack access to formal waste disposal services, resorting to informal methods such as burning or illegal dumping.
- The informal sector, while active in waste collection and recycling, lacks the capacity to address large-scale waste production effectively.

## **10. Political and Institutional Challenges**

- Inconsistent policies and lack of enforcement hinder the development of a sustainable waste production and management system.
- Political interference and limited coordination among stakeholders delay the implementation of effective strategies.

These challenges highlight the need for a multi-faceted approach to waste management in Isiolo Municipality, including public awareness campaigns, investment in infrastructure, enforcement of waste management policies, and promotion of waste segregation and recycling initiatives.

## Urban Investment Plan and Budget FY 2024/2025

S/NO.	ACTIVITY	TIME FRAME		UDG	BUDGET		Total
		Start Date	End Date		Other-1	Other-2	
1)	Construction of Waste Management facility in isiolo municipality	01/08/2024	29/07/2024	50,000,000	-	-	50,000,000
2)	Renovation of Westgate and Isiolo Old Market stage	01/08/2024	29/07/2024	10,000,000	-	-	10,000,000
3)	Installation of Isiolo three Flood lights	01/08/2024	29/07/2024		15,000,000	-	15,000,000
	TOTAL			<b>60,000,000</b>	<b>15000,000</b>	-	<b>75,000,000</b>

### 4. Rationale & Justification of the proposed projects

**Project 1: Construction of west management facility in Isiolo Municipality:** The establishment of a waste management facility in Isiolo Municipality is crucial to address the challenges posed by rapid urbanization, population growth, and increasing waste generation. As the municipality continues to expand, unmanaged waste poses significant risks to the environment and public health. Open dumping and burning of waste contribute to pollution, harming soil, water, and air quality, while attracting disease vectors that increase the prevalence of illnesses such as cholera and malaria. A waste management facility would provide proper systems for segregation, treatment, and disposal, reducing environmental degradation and safeguarding public health. Additionally, such a facility would create economic opportunities through job creation

in waste collection, recycling, and operations, while fostering a circular economy through recycling and upcycling initiatives. It aligns with Sustainable Development Goals (SDGs) such as SDG 11 on sustainable cities and SDG 12 on responsible consumption, supporting broader sustainable urban development objectives. Compliance with national legal frameworks like the Environmental Management and Coordination Act (EMCA) 1999 and the Solid Waste Management Strategy would be ensured, enhancing governance and avoiding regulatory penalties. Moreover, Isiolo's strategic location and potential as a tourism hub make cleanliness and environmental sustainability essential for attracting investments and visitors. A well-managed waste system would improve the municipality's aesthetic appeal and encourage sustainable growth in tourism and hospitality. Finally, by reducing methane emissions from unmanaged landfills, the facility would contribute to climate change mitigation. Establishing a waste management facility is, therefore, a vital step towards ensuring environmental protection, public health, and economic growth for Isiolo Municipality.

**TABLE 2 – GANTT CHART MUNICIPAL INVESTMENT BUDGET FOR FY 2024/2025**

**CONSTRUCTION OF WASTE FACILITY IN ISIOLO MUNICIPALITY**

S/NO	ACTIVITY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
1.	Approval of the Municipal Investment budget by Executive & Assembly												
2.	Site visits, preparation of detailed work plans & bill of quantities												
3.	Advertisement of tender												
4.	Opening, evaluation & award of tender												
5.	Award of site for commencement of the project												
6.	Construction of waste management facility and installation of street lights												