



**REPUBLIC OF KENYA**  
**MANDERA COUNTY GOVERNMENT**  
**DEPARTMENT OF ENVIRONMENT & CLIMATE CHANGE**

---

**ANNUAL PROGRESS REPORT**

**2024/2025 FY**

**SUBMISSION DATE: 15<sup>th</sup> JULY 2025**

**Sector Name:** MINISTRY OF WATER SERVICES, ENERGY, ENVIRONMENT, NATURAL RESOURCES AND CLIMATE CHANGE.

**SUB-SECTOR:** ENVIRONMENT & CLIMATE CHANGE

**VISION:** A resilient, green, and climate-smart county where ecosystems are protected, natural resources are sustainably managed, and communities thrive in harmony with the environment

**Mission:** To promote sustainable environmental management and climate resilience in Mandera County through policy implementation, community empowerment, ecosystem restoration, and collaborative action ensuring a clean, healthy, and secure environment for present and future generations..

**Sector Goal:** The goal of the sub-sector is to promote sustainability of the environment and Natural resources while at the same time, mitigating the effects of climate change.

#### Performance on CIDP Indicators

Output/outcome	Indicator	Base line	Target at end of the CIDP period (example: Target 2022)	Target in review period (example: Target 2019)	Achievement	Remark
Increased public awareness on Climate change impacts and adaptation measures	% Audience reached	50%	80%	70%	60%	Target not achieved.

Increased proportion of Tree Cover	% percent age of tree	2.5%	3%	2.7%	2.5%	Target not achieved
Improved partnerships and collaborations on Climate change issues in the county.	Number of consult ative meeting s held	4	10	5	6	Target over achieved.
Community led climate resilient investments supported	No. of commu nity lead climate resilient investm ent support ed / interven tions underta ken (Enviro nment, water, agricult ure)	0	50	10	30	Target Overachiev ed

## Description of results

### Environment and Climate change sub-sector

The sub-sector undertook the following strategies during the financial year 2024/2025:

1. The department has overseen the planting of 25,000 trees during this financial year. These was done through the own initiatives of the department as well as through in collaboration with other stakeholders across the county.
2. The Department held stakeholder engagement meetings in Mandera, Khalalio and Mandera North sub-counties to discuss the Carbon Credit Eligibility Assessment for the County. The sessions which were facilitated by a a climate consultant brought together technical staff,

administrators, Ward Climate Planning Committees, and NGOs and was aimed to raise awareness on carbon credit opportunities, gather stakeholder input, and explore innovative resource mobilization strategies to support ongoing greening efforts and enhance the county's climate resilience and adaptation measures.

3. The County Climate Change Unit (CCU) collected and consolidated implementation achievements from various line departments and compiled the County Climate Change Action Plan Implementation Status Report, presented to the County Assembly and submitted to the National Climate Change Directorate (CCD).
4. The Department conducted a field exercise to document indigenous knowledge on local tree and shrub species from traditional herbalists. This initiative aimed to preserve and validate community knowledge on flora with medicinal and ecological value. Over 100 species were identified, and the data collected will inform the development of a comprehensive inventory of indigenous trees in the county.
5. The County Climate Change Unit (CCU) with support from Intergovernmental Authority on Development (IGAD), convened a pivotal Stakeholder Engagement Forum on Climate Change Coordination and Governance on 8th May 2025 at Amara Blue Resort, Mandera. The forum aimed to foster synergy among key stakeholders, enhance the visibility of climate resilience efforts and create synergy among stakeholders.
6. The Department has undertaken targeted capacity-building initiatives to promote sustainable practices and environmental awareness. BP1 Farmers Group and Shantoley Farmers Association were trained on climate-smart agriculture and environmental conservation techniques to enhance resilience against climate change and improve productivity. Members and patrons of the environment clubs at Lafey Boys and Lafey Girls Secondary Schools were equipped with knowledge and skills on environmental stewardship, fostering a culture of sustainability and ecological responsibility among the young generation.
7. The Department has drafted and finalized the Dandu Hill Ecosystem Restoration Plan after thorough consultations and technical reviews. The plan, which focuses on restoring degraded areas and conserving natural resources, was validated at county and community level forums. It is now undergoing final formatting and will soon be presented to the county executive for approval and signing to enable implementation.
8. The Department successfully commemorated World Environment Day 2025 at Neboi Location through a series of impactful environmental activities. The celebration included the planting of 200 trees and the distribution of 1,800 additional tree seedlings to members of the local community to promote afforestation and environmental stewardship. As part of the day's activities, a community

clean-up exercise was carried out at Metameta 2 Market, aimed at raising awareness on proper waste management and promoting a cleaner urban environment. The event was graced by the Deputy Governor and implemented in partnership with national government agencies, non-governmental organizations (NGOs), and local stakeholders. The collaboration demonstrated a strong commitment to advancing environmental sustainability and climate action at the grassroots level.

## **Implementation of sub-Projects under the Financing Locally-led Climate Action (FLLoCA) Programme.**

The department implemented several projects through the County Climate Resilience Investments (CCRI) grant from the FLLoCA programme and the counterpart funding through the County Climate Change Fund (CCCF).

The projects are summarized below.

### **1. High Value Projects**

#### **A. Completed Projects**

1. Construction of 9 underground Water Tanks for Mandera Municipality Greening Programme and 1 elevated tank for Mandera Dimtu Girls Secondary School to support their tree planting activities.
2. Rehabilitation of 1.5km irrigation canal and solarization for BP1 Irrigation scheme enhancing irrigation efficiency.
3. Integrated On-Farm Flood Control Project for Shantoley Irrigation Scheme in Rhamu Ward. The project saw 300 meters length of Gabions constructed along the major breakpoint of the river to control perennial floods and boost food security.
4. Rehabilitation of Wargadud Borehole through change of draw pipes, Solarization and fencing to improve water access in Wargadud town.
5. Integrated Ecosystem Restoration at Elwak Baraza Park through planting of 2500 trees, drilling of a Shallow well, construction of underground and elevated water storage tanks to provide continuous supply of water for the trees.
6. Constructed 2 No. Community Veterinary Drug Stores in: Takaba and Elwak Towns to Support animal health and resilience of pastoral livelihoods.
7. Improved and Rehabilitated the Mandera Town Slaughterhouse for safer, more hygienic meat processing.
8. Completed the Installation of Integrated Firefighting Equipment at: Elwak Market and Bula Jamhuria Market to enhance community preparedness and market safety.
9. Constructed new Slaughterhouse in Takaba Town to enhance safer and more hygienic meat processing.
10. Rehabilitation of strategic boreholes in Odha, Rhamu, Darweed and El ram.

## **B. Ongoing Projects**

1. Implementation of an Integrated Water Supply System for Kiliweheri Town is currently ongoing at 60% completion. This project will improve access to clean and safe water by connecting water directly to 300+ households.
2. Integrated Ecosystem Restoration project is currently ongoing at 85% in Lafey Boys and Lafey Girls Secondary Schools through planting of 2000 trees and Solarization of both boreholes as well as installation of pipes for irrigating the trees.
3. Riverine Restoration and Flood Control Project in Neboi Ward whereby 1,000 bamboo trees have been planted within the riparian ecosystem along River Daua.
4. Establishment of a 10,000 Capacity Indigenous Tree Nursery at the Environment Office compound, Mandera Town.

## **2. Low- Value Projects (All completed)**

1. Supplied Certified Drought-Resistant Crop Seeds, Farm Tools, and Equipment to farmers in: Kutulo (60 farmers), Sala (50 farmers) and Rhamu-Dimtu (45 farmers).
2. Supported 75 Bee Farmers with Kenya Top Bar Bee hives farming inputs in: Lagsure, Dherkale and Banissa (25 farmers each ward)
3. Distributed Juncao Grass Seedlings and provided Training for 80 farmers in Hareri, Qumbiso, Aresa and Khalalio. The grass is reliable and fast growing livestock fodder crop.
4. Installed Sustainable Clean Cooking Solutions in 4 institutions i.e Takaba Girls Secondary School, Mandera Deaf School and Mandera Teachers Training College. This helped reduction reliance on firewood and low carbon emissions.
5. Distribution of tree seedlings to Institutions and the public across the county.

Table showing summary of the Infrastructure projects funded through the County Climate Change Fund.

Sub-project Name	GPS Coordinates	Public/Private (L.R. No)	Contract Number	Total Investment Budget (KES)	Ward	Start date	Expected Completion	NEMA licence No /Date of licence	% Project Progress Status
Rehabilitation of 1.5km irrigation canal and solarization for BP1 Irrigation scheme	3.9476 N 41.8570 E	Community land	MCG/OT/04/2024-2025	7,613,371.68	Township	03/11/2024	03/11/2025	EIA24018966	100%
Integrated On-farm flood control project for Shantoley Irrigation Scheme in Rhamu ward.	3.944286°, 41.209564°	Community land	MCG/OT/05/2024-2025	33,998,075.90	Rhamu	14/11/2024	14/11/2025	EIA24018969	100%
Integrated water supply system for Kiliweheri Town	3.911718°, 40.008139°	Community land	MCG/OT/06/2024-2025	52,000,000.00	Kiliweheri	13/11/2024	13/11/2025	EIA24018967	52%
Integrated ecosystem Restoration	N 3055'25 E 410 48'17"	Public land	MCG/OT/07/2024-2025	10,000,000	Township	02/11/2024	02/11/2025	EIA24018968	100%

Project through Construction of 10 no. Underground tanks in Mandera Municipality									
Construction 1 no. community Vet drugstore and installation of solar systems in Elwak Town	N 2° 48' 41" E 40° 56' 1"	Public land	MCG/OT/08/2024-2025	4,249,358.00	Elwak South	10/11/2024	10/11/2025	EIA24018963	100%
Construction 1 no. community drugstore and installation of solar systems in Takaba Town	N 3° 23' 37", E 40° 13' 35"	Public land	MCG/OT/08/2024-2025	4,249,358.00	Takaba	12/11/2024	12/11/2025	EIA24018958	100%
Integrated ecosystem restoration	N 3161701°, E 41.205455°	Public land	MCG/OT/09/2024-2025	9,000,000	Lafey	07/11/2024	07/11/2025	EIA24018959	85%

project in Lafey (Lafey Girls and Lafey Boys)									
Installation of an integrated firefighting equipment at Bula Jamhuri market.	N 3.936387°, E 41.851533°	Public land	MCG/OT/10/20 24-2025	5,450,000	Neboi	02/11/20 24	02/11/20 25	EIA24018 951	100%
Installation of an integrated firefighting equipment at Elwak Regional market.	N 2.810992°, E 40.932197°	Public land	MCG/OT/10/20 24-2025	5,450,000	Elwak South	10/11/20 24	10/11/20 25	EIA24018 952	100%
Integrated ecosystem restoration project in Elwak (Elwak Baraza Park)		Public land	MCG/OT/11/20 24-2025		Elwak North	09/11/20 24	09/11/20 25	EIA24018 953	100%
Installation of sustainable clean	N 3°23'42", E 40°13'27"	Public land	0001970	1,166,670	Lagsure	02/09/20 24	30/09/20 24	EIA24018 956	100%

cooking solutions (energy saving jikos) at Takaba Girls secondary school									
Installation of sustainable clean cooking solutions (energy saving jikos) at Mandera Teachers Training College (MTTC)	N 3° 56' 07.8.", E 41° 47' 28.8708"	Public land	0001970	1,166,670	Township	02/09/2024	30/09/2024	EIA24018957	100%
Installation of sustainable clean cooking solutions (energy saving jikos) at	3.948418°, 41.794261°	Public land	0001970	1,166,670	Neboi	02/09/2024	30/09/2024	EIA24018955	100%

Mandera Deaf School									
Rehabilitation and solarization of Wargadud Borehole in Wargadud	N3°010'44'', E40°052'4''	Public land	MCG/OT/016/2024-2025	7,500,000	Wargadud	08/11/2024	08/11/2025	EIA24018961	100%
Improvement and Rehabilitation of Mandera Town Slaughterhouse in Mandera East, Mandera County	3.934403°,41.828598°	Public Land	MCG/OT/014/2024-2025	11,000,000	Neboi	02/11/2024	02/11/2025	EIA24018962	100%
Harnessing community empowerment and environmental stewardship for a greener and healthier Future	3.964876°,41.795005°	Community land	MCG/OT/021/2024-2025	5,500,000	Neboi	03/11/2024	03/11/2025	EIA24018960	82%

<i>(Riparian Ecosystem Restoration and Flood Control Project at Neboi Farms Along River Daua in Neboi Ward, Mandera East Sub-County.)</i>									
Sustainable Ecosystem Restoration through Afforestation and indigenous tree nursery establishment at Mandera County Environment Compound, Mandera East,	3.935567°, 41.859213°	Public Land	MCG/OT/015/2024-2025	6,999,000	Township	02/11/2024	02/11/2025	EIA24018960	87%

Mandera County									
Construction of Takaba Slaughter house	3.398661, 40.192769	Community land	MCG/OT/013/2024-2025	37,809,640	Takaba town	11/11/2024	11/11/2025	EIA24018954	100%

### **Key Challenges**

- Limited technical capacity at the grass roots level on environmental data collection. The department does not have officers at Sub-County or Ward level.
- Outdated Legal Framework: The Mandera County Climate Change Act, 2021 requires review and revision to make it more comprehensive, inclusive, and implementable.
- Low Public Awareness: There is limited knowledge and understanding of climate change impacts, risks, and adaptation measures among local communities.
- Weak Interdepartmental Coordination: Inadequate coordination and collaboration between county departments, development partners, and stakeholders hampers effective implementation of climate actions.
- Poor Climate Data and Information Systems: There is a lack of reliable, localized climate data, hindering evidence-based planning, monitoring, and decision-making.

### **Recommendations:**

- Strengthen partnerships with NGOs and CBOs for community mobilization and co-implementation.
- Enhance coordination with line departments and other partners to promote synergy.
- Increase the human resource capacity of the department in numbers and skills.

# Pictorials

## 1. Rehabilitation of 1.5km irrigation canal and solarization for BP1 Irrigation scheme

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Rehabilitation of 1.5km irrigation canal</li> <li>- Solarization</li> <li>- Renovation of the pump house and raising it above the flood level to protect the farm engines from the perennial floods</li> <li>- Distribution of fruit tree seedlings to farmers</li> <li>- Soil quality testing and dissemination of information to farmers</li> <li>- Training of farmers</li> <li>- Direct Beneficiaries -100HH (farms)</li> </ul>	<ul style="list-style-type: none"> <li>Improved irrigation efficiency through the rehabilitation of the canal, resulting in reduced water losses.</li> <li>- Enhanced agricultural productivity due to reliable water supply and improved farming practices.</li> <li>- Reduced reliance on diesel fuel through the integration of solar energy, leading to cost savings and environmental benefits.</li> <li>- Increased protection of farm engines and generators from flood damage by elevating the pump house above flood levels.</li> <li>- Strengthened farmers' capacity through training on best agricultural practices, including climate-smart agriculture.</li> <li>- Improved soil health and informed decision-making through soil quality testing and dissemination of findings.</li> <li>- Diversification of farm produce and improved household nutrition and income through the distribution of fruit tree seedlings.</li> </ul>
<p><b>Project implementation status:</b> Complete, awaiting handover to the community</p>	

### Before



### After



## 2. Integrated On-farm flood control project for Shantoley Irrigation Scheme in Rhamu ward.

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Construction of 300M long gabions and dykes to control perennial floods that affect over 400 farms at Shantoley irrigation scheme</li> <li>- Planting of fruit trees and bamboo on both sides of the embankment for reinforcement and sustainability</li> <li>- Training and capacity building of WCCPC, PMC and the farmers</li> <li>- Direct Beneficiaries - 400HH (farms)</li> </ul>	<ul style="list-style-type: none"> <li>- Reduced Crop and Infrastructure Damage: Effective control of perennial floods through the construction of gabions and dykes, minimizing water-related losses to over 400 farms. <b><i>This has already been realized considering that the farms have not been affected by the floods in the current MAM rains.</i></b></li> <li>- Enhanced Farm Productivity and Food Security: Stabilized farming conditions resulting in consistent crop yields and improved food availability for the local community.</li> <li>- Strengthened Embankment and Ecosystem Services: Planting of fruit trees and bamboo enhances the structural integrity of embankments while contributing to biodiversity, soil stabilization, and alternative livelihoods.</li> <li>- Empowered Local Stakeholders: Improved technical knowledge and management capacity among Ward Climate Change Planning Committee (WCCPC), Project Management Committee (PMC), and farmers through targeted training and capacity-building initiatives.</li> <li>- Informed Agricultural Practices: Better soil management and crop selection enabled by soil testing and the dissemination of tailored agronomic information to farmers.</li> <li>- The project has already realized</li> </ul>
<b>Project implementation status: Complete</b>	

### Before



### After



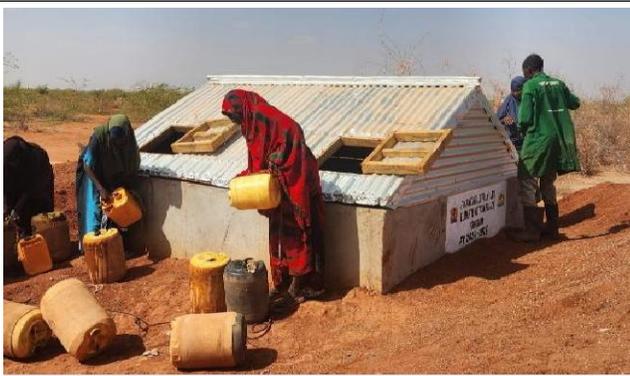
More photos





### 3. Integrated ecosystem Restoration Project through Construction of 10 no. underground water storage tanks to support the greening program in Mandera Municipality

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Construction of 10 number water storage tanks to support the ongoing greening program in Mandera town.</li> </ul>	<ul style="list-style-type: none"> <li>- Enhanced Environmental Sustainability: Reliable water access will improve the survival rate of trees, supporting the town’s greening efforts and contributing to a more resilient urban microclimate.</li> <li>- Improved Livelihoods and Social Empowerment: Vulnerable and marginalized groups, particularly women, youth, and persons with disabilities, gain economic opportunities through stipends tied to tree care.</li> <li>- Reduced Labor Burden and Improved Efficiency: Strategically placed tanks reduce the distance caretakers must walk for water, cutting time and effort spent on tree maintenance by half.</li> <li>- Increased Community Engagement and Ownership: The project fosters local participation and responsibility, strengthening collaboration between the county government, WCCPCs, and community members in environmental restoration.</li> </ul>
<p><b>Project implementation status:</b> Completed and handed over to the Municipality for management and sustainability</p>	



The Department of Environment and Climate Change officially handed over nine underground water storage tanks to Mandera Municipality.

The construction of these tanks was funded through the Financing Locally-Led Climate Action (FLLoCA) Program under the County Climate Resilience Investment (CCRI) Grant. The program aims to realize both environmental and social objectives by supporting the ongoing greening program within the Mandera Municipality.

The greening program focuses on planting, nurturing and maintaining trees to enhance the aesthetic value of the town, provide shade against the intense heat, serve as windbreakers, and create a conducive microclimate.

Moreover, the project provides social empowerment platform, particularly for vulnerable members of the community, particularly women, who are responsible for maintaining the trees and receiving a monthly stipend from the county government. The newly constructed tanks will serve as water storage points for the greening program, where the caretakers will be fetching water to nurture the delicate trees.

The strategically placed tanks are 500 meters apart and will significantly reduce the distance the caretakers usually walk to access water, thus cutting the time spent in the field by half. Cumulatively, the nine tanks will directly benefit 200 individuals responsible for maintaining over 4,000 trees, while indirectly benefiting an estimated 1,500 residents. The primary beneficiaries include vulnerable and marginalized groups (VMGs) such as women, youth, and persons with disabilities (PWDs). During the handover ceremony, the County Chief Officer urged the caretakers to utilize the tanks effectively, ensuring the proper watering of trees while safeguarding the infrastructure.

The event was attended by senior county staff, the Township Ward Climate Change Planning Committee (WCCPC), the project contractor, and members of the public, all of whom commended the effort as a crucial step in promoting environmental sustainability and community empowerment.

#### **The Mandera County Greening program.**

- Over 250,000 trees planted in major towns since 2018.
- Over 2,000 casual staff, comprising of vulnerable women, Youth and PWDs recruited to care for the trees.



#### 4. Integrated ecosystem restoration project in Lafey (Lafey Boys and Lafey Girls Secondary Schools).

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Planting a total of 2,000 assorted tree seedlings across both schools to enhance tree cover, promote climate resilience, and create a more conducive learning environment for students.</li> <li>- Installation of two 10m<sup>3</sup> elevated plastic water storage tanks to provide water for student use and support tree- watering efforts within the schools.</li> <li>- Installation 15kWp solar photovoltaic systems in each school to power borehole water pumping, reducing dependence on diesel fuel and lowering operational costs.</li> <li>- Training of two Project Management Committees (PMCs) and two school environmental clubs on tree husbandry and maintenance to ensure long-term sustainability of the initiative.</li> <li>- The project will benefit 1,650 individuals, primarily students and school staff.</li> <li>- The projects also serve the surrounding community members who rely on the school boreholes as their primary source of water, particularly during dry seasons.</li> </ul>	<ul style="list-style-type: none"> <li>- Enhanced Climate Resilience and Tree Cover: Planting 2,000 tree seedlings will increase vegetation cover, improve microclimatic conditions, and contribute to long- term ecosystem restoration within the school compounds.</li> <li>- Reliable Access to Water: Installation of elevated water storage tanks ensures consistent water availability for both students and tree maintenance, improving sanitation and supporting greening efforts.</li> <li>- Reduced Energy Costs and Carbon Footprint: Solar-powered borehole systems will reduce reliance on diesel, lowering fuel costs and contributing to cleaner energy use.</li> <li>- Empowered School Communities: Training of PMCs and environmental clubs will build local capacity in sustainable land and tree management practices, fostering ownership and continuity of the project.</li> <li>- Broader Community Impact: The project benefits extend beyond the schools, offering a dependable water source for surrounding communities, especially during dry seasons, thereby enhancing community resilience.</li> </ul>
<p><b>Project implementation status: 85%</b></p>	



## 5. Rehabilitation and solarization of Wargadud borehole

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Installation of 15kva solar powered draw-off system</li> <li>- Fencing of the draw-off system to protect from theft and vandalism</li> <li>- Replacement of key borehole equipment such as draw-off pipes and the pump</li> <li>- Direct Beneficiaries -(950HH)</li> </ul>	<ul style="list-style-type: none"> <li>- Improved Access to Reliable and Clean Water: Rehabilitation and equipment replacement will ensure consistent water supply for approximately 950 households.</li> <li>- Reduced Operational Costs and Environmental Impact: The installation of a 15kVA solar-powered system is expected to drastically reduce reliance on diesel generators, cutting fuel costs and promoting clean energy use. Fuel consumption has reduced by 40-50% (from 60 litres of diesel per day to between 30-40 litres per day after installation of the solar system.</li> <li>- Enhanced Security and Infrastructure Longevity: Fencing the draw-off system will protect vital equipment from theft and vandalism, ensuring uninterrupted water access.</li> <li>- Increased Community Resilience: Reliable water availability will strengthen the community's ability to cope with drought and water scarcity, improving overall well-being and livelihoods.</li> </ul>

**Project implementation status:** completed, awaiting handover to the community/ELWASCO for management and sustainability

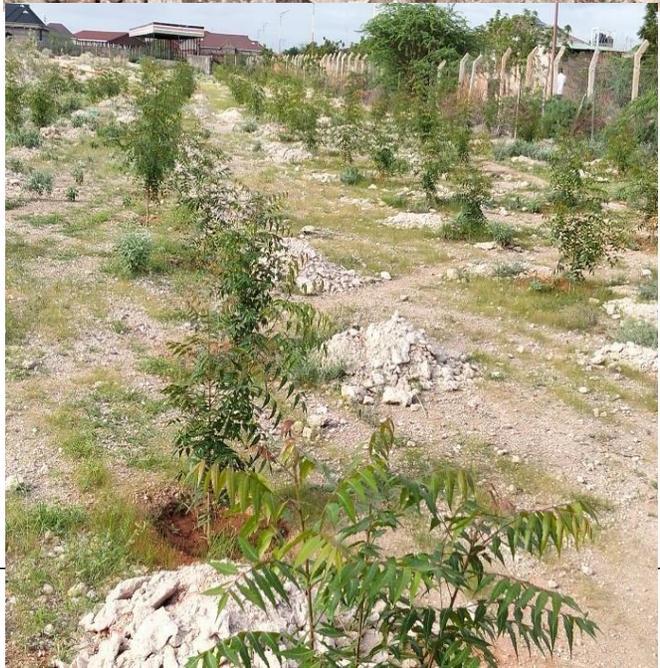


## 6. Integrated Ecosystem Restoration Project at Elwak Baraza Park in Elwak Project objectives

- The project will restore and enhance the park's ecosystem, ensuring it serves as a green lung for the town, a hub for biodiversity, and a community recreational space.
- Foster community engagement through involving all stakeholders in project planning and implementation to ensure inclusivity and sustainable management.

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Planting of 2,500 Tree Seedlings</li> <li>- Construction of 30m3 Underground Water Tank</li> <li>- Construction of raised Concrete water storage structure and Store</li> <li>- Installation of watering System</li> <li>- Construction and equipping of 1 no. Shallow Well</li> <li>- Rehabilitation of Existing Structures i.e. fence ad gate house</li> </ul>	<ul style="list-style-type: none"> <li>- Enhanced urban green space and air quality – The planting of 2,500 tree seedlings will significantly improve vegetation cover, absorb carbon emissions, reduce dust, and enhance air quality, contributing to a healthier urban environment.</li> <li>- Improved water access for ecosystem maintenance – The construction of a shallow well, underground water tank, and raised storage system will ensure reliable water supply for irrigation and park maintenance, sustaining tree growth and overall ecosystem health.</li> <li>- Revitalization of a public recreational area – Rehabilitation of the park's structures and landscaping will transform it into a safe, clean, and attractive community space for social interaction, relaxation, and physical activity, boosting community well-being.</li> <li>- Increased biodiversity and habitat restoration – The restored vegetation and watering system will attract birds, pollinators, and other wildlife, enriching local biodiversity and contributing to ecological balance in the area.</li> <li>- Community ownership and inclusion – Active involvement of stakeholders in planning and implementation will foster a sense of community responsibility, encourage stewardship, and ensure long-term sustainability of the park.               <ul style="list-style-type: none"> <li>- Creation of green jobs for the locals- - at least 40 caretakers have been engaged to water and maintain the trees and are paid monthly stipend.</li> </ul> </li> </ul>
<p><b>Project implementation status:</b> 100% Complete. Hand over of the project to Elwak municipality is being planned.</p>	





## 7. Construction of 2 no. community veterinary Drugstores in Takaba and Elwak South Objectives of the project

1. To provide easy access to essential livestock medications and vaccines by reducing the distance the pastoralists trek to get drugs and vaccines for their animals.
2. To improve livestock health and productivity.
3. To enhance resilience of pastoralist communities against climate-induced hazards

Project components	Anticipated project benefits
<ul style="list-style-type: none"> <li>- Construction of drug stores</li> <li>- Installation of Solar powered systems</li> <li>- Drug shelves</li> </ul>	<ul style="list-style-type: none"> <li>- Improved Access to Veterinary Services: Local availability of essential livestock drugs and vaccines will significantly reduce the distance pastoralists travel, ensuring timely treatment of animal diseases.</li> <li>- Enhanced Livestock Health and Productivity: Ready access to quality veterinary supplies will lead to healthier livestock, improved reproduction rates, and increased milk and meat production.</li> <li>- Increased Community Resilience to Climate Shocks: By safeguarding livestock—the primary livelihood asset—communities will be better equipped to cope with droughts and climate-induced livestock diseases.</li> <li>- Promotion of Preventive Animal Health Practices: Reliable access to vaccines and medications encourages regular animal health checks and proactive disease prevention, reducing mortality rates.</li> <li>- Empowerment of Local Livestock Economies: Improved animal health translates to more robust local markets, increased income for pastoralists, and strengthened local economies.</li> </ul>

**Project implementation status:** completed, awaiting handover to the department of veterinary services

### Elwak South Community Veterinary drugstore



## 8. Improvement and rehabilitation of Mander town slaughter house

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Renovation of the slaughterhouse</li> </ul>	<ul style="list-style-type: none"> <li>- Improved Hygiene and Sanitation Standards: Renovation of the slaughterhouse, installation of blood and septic tanks, and</li> </ul>
<ul style="list-style-type: none"> <li>- Blood Tanks, Septic Tank and Underground Water Tank</li> <li>- Mechanical works including repair of solar system</li> <li>- Rehabilitation of Condemnation Pit</li> </ul>	<ul style="list-style-type: none"> <li>rehabilitation of the condemnation pit will ensure proper waste management and cleaner meat processing environments.</li> <li>- Enhanced Operational Efficiency and Safety: Repairs to the solar system, toilets, and fencing will improve functionality, security, and working conditions for butchers and related staff.</li> <li>- Promotion of a Healthier and Greener Environment: Planting of 250 neem trees and fixing the lagoon and drainage systems will support environmental conservation and reduce health hazards around the facility.</li> </ul>
<ul style="list-style-type: none"> <li>- Repair of 2no. Twin Toilets</li> <li>- Fix Lagoon and Its Drainage System</li> <li>- Repair of Chain-link Fence</li> <li>- Planting 250 neem tress</li> </ul>	

**Project implementation status:** completed, awaiting handover to the department of veterinary services



## 9. Construction of a slaughterhouse and other ancillary works in Takaba town

Key project component	Anticipated benefits
<ul style="list-style-type: none"> <li>- Slaughter House</li> <li>- Fencing of the slaughterhouse</li> <li>- Guard House</li> <li>- Septic tank</li> <li>- Underground water tank</li> <li>- Elevated water tower</li> <li>- 2no. Twin Toilet</li> <li>- Condemnation Pits</li> <li>- Manure &amp; hide shed</li> <li>- Blood tank</li> <li>- Camel Killing Slab</li> <li>- Drainages Works</li> <li>- Planting of no. 250 neem trees</li> <li>- Direct Beneficiaries -Takaba Butchers Association and indirectly residence of Takaba town and pastoralists</li> </ul>	<ul style="list-style-type: none"> <li>- Improved hygiene and meat safety standards through proper slaughtering infrastructure, drainage, and waste management systems (e.g., blood tank, septic tank, condemnation pits), reducing the risk of contamination and disease transmission.</li> <li>- Enhanced market access and income for members of the Takaba Butchers Association by providing a regulated, modern facility that meets public health and livestock product handling standards.</li> <li>- Creation of employment opportunities both directly (e.g., guards, cleaners, meat inspectors) and indirectly (e.g., hide processors, transporters), boosting local livelihoods.</li> <li>- Reliable and sustainable water supply for the facility through the underground tank and elevated water tower, ensuring smooth daily operations without dependence on erratic water sources.</li> <li>- Environmental benefits and climate mitigation from the planting of 250 neem trees, which will improve the microclimate, reduce dust, and promote green public health spaces around the facility.</li> </ul>

- **Project implementation status:** ongoing at 100%

***The old Takaba Slaughter house***



***The new slaughterhouse under construction***





**10. Distribution of KTBH beehives and other bee keeping accessories to 70 bee farmers (beneficiaries) in Derkale, Banisa and Lagsure wards – to enhance livelihood diversification and build community resilience**

Project components	Anticipated benefits
<p>- Distribution of KTBH beehives and other bee keeping accessories to 70 bee farmers (beneficiaries) in Derkale, Banisa and Lagsure wards</p>	<ul style="list-style-type: none"> <li>- Livelihood Diversification and Income Generation: Beekeeping provides an alternative source of income for beneficiaries, reducing reliance on unsustainable practices like charcoal burning.</li> <li>- Empowerment of Rural Communities: Targeted support for smallholder farmers enhances economic independence, particularly among vulnerable groups such as women and youth.</li> <li>- Environmental Conservation: Adoption of KTBH discourages deforestation associated with traditional log hives, thus supporting forest conservation and climate mitigation efforts.</li> <li>- Strengthened Community Resilience: Diversified livelihoods and increased income sources help communities better withstand climate-related shocks and economic hardships.</li> </ul>

**Project implementation status:** completed



**11. Provision of farm inputs e.g., certified drought- resistant crop seeds, farm tools & equipment and Juncao grass for fodder production – to 265 beneficiaries drawn from various wards across the county to improve agricultural productivity and enhance community resilience through promotion of drought resistant crops and fodder.**

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Distribution of certified drought resistant crops seeds, farm tools and equipment to support both rainfed and irrigated agriculture in the county</li> <li>- Distribution of juncao grass cuttings to support fodder production</li> <li>- Sensitization of farmers on best agricultural practices and adoption of juncao grass due to its high nutrition value.</li> </ul>	<ul style="list-style-type: none"> <li>- Improved Agricultural Productivity: Distribution of certified drought- resistant crop seeds and quality farm tools enhances both rainfed and irrigated farming, leading to higher yields and food security.</li> <li>- Enhanced Livestock Nutrition and Fodder Availability: Introduction and adoption of Juncao grass will boost fodder production due to its high nutritional value, supporting healthier and more productive livestock.</li> <li>- Increased Community Resilience to Climate Change: Promotion of drought-tolerant crops and climate-smart practices strengthens the community's capacity to withstand and adapt to prolonged dry spells and erratic rainfall.</li> <li>- Economic Empowerment of Beneficiaries: Improved crop and livestock productivity translates to higher household incomes, reducing poverty levels among the 265 supported farmers.</li> <li>- Knowledge Transfer and Sustainable Farming Practices: Sensitization efforts will equip farmers with best agricultural practices, encouraging sustainable land use and long-term agricultural development.</li> </ul>

**Project implementation status:** completed



## 12. Installation of clean cooking energy saving jikos for Takaba Girls, MTTC and Manderu Deaf School

### Objective

- Address environmental degradation
- Reduce cost of fuel wood provision for the institutions
- Address the health issue of the workers (cooks)

Project components	Anticipated benefits
<ul style="list-style-type: none"> <li>- Installation of clean cooking energy saving jikos in the target institutions</li> </ul>	<ul style="list-style-type: none"> <li>- Reduced Environmental Degradation: The use of energy-efficient jikos will significantly reduce the consumption of firewood, helping to conserve forests and protect local ecosystems.</li> <li>- Lower Institutional Fuel Costs: Improved efficiency of the jikos will decrease the amount of firewood needed, cutting down operational costs for the schools. <b><i>The institutions have already reported reduction in fuel costs as a result of reduced fuel consumption following installation of energy saving jikos.</i></b></li> <li>- Improved Health and Working Conditions: Cleaner cooking technologies will reduce indoor air pollution, thereby minimizing respiratory and other health risks for kitchen staff and students.</li> <li>- Enhanced Awareness and Adoption of Clean Energy: Demonstrating the use of energy-saving stoves in public institutions may encourage wider community uptake of sustainable cooking technologies.</li> </ul>
<p><b>Project implementation status:</b> completed, awaiting handover to the department of veterinary services</p>	

