

## Koromey Irrigation Project

The Project aims at enhancing food security and nutrition through pumping of water from River Daua to Irrigate 606Ha of land in three phases. The project is funded by Mandera County Government.

The Construction for Koromey irrigation project was contracted to Ahqab Co Ltd. Construction works commenced on 20<sup>th</sup> May 2019 and to be completed on 21<sup>st</sup> April 2020 (phase one). Subsequently commencement of Phase two and later phase three to end 21<sup>st</sup> May 2021 and 21<sup>st</sup> May 2022 phase two and three respectively. The project shall benefit about 200HH or 2000 persons from the vulnerable Koromey community

### Objective of the Project

- Improve the food security and nutrition to vulnerable community in the project area.
- To improve the income levels of the local population thereby improving their social economic well being
- To improve agricultural diversity and productivity in the project area.
- To contribute to the achievement of vision 2030 by bringing more area under irrigated agricultural production
- To create employment opportunities for vulnerable sections of the population especially youth and women
- To promote cohesion and peace with the community by shared resources.



### Project Components

The project has the following components

- Head works
- Pump and Pump house
- Filtration system
- Rising main
- Concrete tanks
- Field supply pipe line
- Distribution
- Drip and sprinkler system
- On farm surface structures
- IUWA office
- Farm store
- Sanitation facilities
- Fence
- Protection works

### Project implementation status

A feasibility study established the following

- i. Seven hundred and eight (708) Ha was surveyed but 404 ha determined as irrigable land

- ii. Implementation was proposed to be in 3 phases
- iii. Source of water River Daua
- iv. Water conveyed through HDPE pipes by pumping to elevated concrete storage tanks.
- v. Farming systems Drip, sprinkler and surface irrigation

### Current status

- The project construction is 30% complete and time elapsed is 58%.



Figure 1: Concrete tank under construction



Figure 2: IUWA office under Construction

### Ongoing activities

Currently, the following activities are ongoing:

- Site survey and establishment of construction bench marks
- Construction of IUWA block and Store is 90% complete
- 900m<sup>3</sup> concrete tank 95% complete
- Land bush clearance and grubbing 50% complete

### Works Progress

#### Bush Clearance and Grubbing

Bush clearance and grubbing works ongoing



Figure 3: Aerial view of bush cleared land

#### Building Works

- The Construction of IUWA Office and Farm input Store at 90% complete

## Survey Works

- Topology and Rising main profile survey is on going



Figure 4: survey work

## Project Benefits

The expected benefits of Project from conception to commissioning include: -

- Locals and local firms will be directly involved during construction thus creating employment for area residents. Also through supply of construction materials and other services, more revenue will be generated.
- The construction of Koromey Irrigation Project upon completion will irrigate 404 ha of land and allow farming of crops any time of the year.