

## Kutulo Water Pan and Irrigation project

This is one of the Big four agenda project (food Security and nutrition). Kutulo water pan and Irrigation Project is located at Kutulo:Malbe, Kutulo sub County, Mandera County. The project targets one thousand five hundred (1500) acres of irrigable land and 1600 farmers as beneficiaries. The main source of water is 200,000m<sup>3</sup> water pan to be constructed (project component). The project target, is to determine and develop an optimal irrigable area within Malbe village through the development of efficient conveyance and irrigation systems including water storage reservoirs. The idea of the project was proposed by the Governor as ultimate measure of ensuring food security to the vulnerable community.

### Objectives of the project are:

- 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

- Water Pan
- filtration and drawoff systems
- Solar power system
- Generator
- Pump house
- Elevated tanks
- Conveyance pipes
- Project facilities (office and store)
- Chainlink fence
- 1600 acres land
- Drip and sprinkler systems
- Surface irrigation structures

### Project implementation status

A feasibility study was conducted and a detailed design carried out, the following were the findings:

- i. One thousand five hundred (1500) acres was identified as land that can be irrigated
- ii. Net irrigable land 1000 acres
- iii. Implementation was proposed to be in 3 phases
- iv. The area has a potential lagga (Lagusure) with catchment from Ethiopian highlands.
- v. water storage Pans proposed along Lagsure lagga and at the farm head

### Ongoing activities

- i. Phase one is ongoing
- ii. Water pan excavation is at 95% complete
- iii. Confirmatory survey is on going on the land for bush clearance to commence
- iv. Procurement of fencing and building materials



### Current Status

- Project construction is 57% complete.
- Project period 41.67% complete.
- Pan is filled with water



### 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 kutulo Irrigation Project upon completion will irrigate 606 ha of land and allow farming of crops any time of the year thus improving livelihood to the vulnerable community