7. Dawa River Multi-purpose Dam

Project description and objectives

The proposed **Dawa Dam** will on River Dawa. The site is located approximately **20 km** upstream of **Rhamu Dimtu** town in Mandera County of Kenya and **2 km upstream** of Boni centre in Ethiopia. The estimated dam **height** is about **90 m** with a capacity of approximately **4.5 Billion M^3** and can be utilised to generate **8.2 MW** of hydropower. The project objectives are:

- Provide irrigation water, hydropower generation, flood mitigation, and a source for drinking water for livestock and human beings
- **Protect water resource**s, storing the floods for use during the dry season
- **Fishing for livelihood**
- **Irrigation potential**, changing from peasant irrigation to modern irrigation.

Location on the Map

Link: https://pp2.au-pida.org/approved-project/entry/6nw5l/

Project status

The project is in the **Project Definition** stage (S1)

Financial needs

Preparation Costs : USD 12 Million

CAPEX Cost USD 603.5 Million

Overall Operation and Maintenance USD to 5 Million

Key parties

Private sector opportunities

- Proposed type of financing is 76% of either grant or loan from development banks to cater for the actual work, 19% balance to be equity from respective governments to cater for land acquisition and environmental conservation, while balance of 5% to be from the beneficiaries to cater for operations and maintenance of the infrastructure. (IGAD Regional Infrastructure Master Plan (IRIMP))
- Hydropower will stimulate the much need agro-industries for value addition of the agricultural potential outputs. Farm by-products will offer the much-needed hay for the animals, thus ensuring the community acquires resilience to the climatic challenges of droughts and floods.