

# Action Plan

To Improve Planning, Development, Operation And  
Management Of Rice Production Infrastructure

Presenter

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# Outline

- **Introduction**
- **Objectives**
- **Proposed actions**
- **Challenges**
- **Logistical requirements**

# INTRODUCTION

- **Most irrigation infrastructure in Ghana have become obsolete due to negligence and lack of maintenance and repair over the years.**
- **Some which are barely in operation may have received very minimal or no maintenance at all**
- **They may also have probably outlived their designed life span**

# INTRODUCTION Cont'd

- **This action plan could be adopted for any irrigation scheme in Ghana, it is however prepared with KIS in mind.**
- **KIS-Kpong Irrigation Scheme in the Dangbe West District of the Greater Accra Region has a area of about 3000 ha. There is additional potential of about 3000 ha yet to be developed.**
- **It's a rice cultivating scheme.**
- **Banana is also cultivated under a special PPP program**

# Objective

- **Enhancing capacity of WUAs to champion operation and maintenance of irrigation infrastructure**
- **Equip WUAs within C1 & C2 with technical skills to undertake regular maintenance and rehabilitation of irrigation infrastructure within designated areas**

# **Areas designated to WUA**

- **Branch canal level and environs**
- **All discharge modules and chambers**
- **All laterals within designated block**
- **All field drains and outfall chambers**
- **All culverts within block**
- **All road crossings and culverts**
- **All in-field roads**

# Major Challenges

- **Lack of interest to participate in routine maintenance activities**
- **Lack of funds to carry out routine maintenance activities (money to rent machinery, to purchase materials for minor repairs, etc. )**
- **Untimely repairs of minor defects**
- **Little or no major rehabilitation works**

# Major Challenges Cont'd

- **High cost of irrigation infrastructure**
- **High cost of energy (fuel or electricity) under irrigation schemes**
- **Limited experience of agricultural land development contractors**
- **Limited machineries for land development**
- **Cumbersome land tenure system**
- **Limited knowledge of farmers in water management techniques**



# Proposed Action

- **Rehabilitate and expand existing irrigation infrastructure**
- **Encourage public-private partnership in developing and managing new irrigation schemes and to promote the use of small scale pumps along perennial water bodies**
- **Design alternative water control systems in characterized inland valleys and lowlands for enhanced water management for rice cultivation**

# Proposed Action Cont'd

- **Build capacity of WUAs and relevant personnel**
- **Ensure that Water User Associations and other management bodies in irrigation and rain-fed schemes function effectively.**
- **Make reference to existing regulations/guidelines to govern activities of nucleus and out-grower schemes in rice producing areas**
- **Train communities in the management and maintenance of irrigation schemes and other water control systems**

# **Logistic Requirements for Irrigation Infrastructure Investment Strategies**

- Requires huge investments to develop new schemes and therefore difficult to construct in the short term**
- Regular revenue generation by relevant management entity for the maintenance of existing schemes**
- Creation of a developmental fund for long term rehabilitation and expansion of existing schemes**

# **Logistic Requirements for Irrigation Infrastructure Investment Strategies**

- Development of community irrigation schemes where Government and DPs only provide intake head works and primary distribution system.**
- Other complementary infrastructure and equipment should be provided by private investors for the holistic functioning of the irrigation schemes**
- Promotion of high yielding seeds**
- Promoting policies of subsidizing agriculture inputs and related services**

# Conclusion

- **Enhance WUAs to function effectively without interference and encourage transparency at all levels of operation**
- **Regularly maintain infrastructure and undertake rehabilitation according to designed schedule**
- **Set aside money to support rehabilitation budget**
- **Build capacity of all stakeholders to function effectively and efficiently**

**Thank you**