

# SPATE IRRIGATION IN AFGHANISTA

## ATVI Spate Irrigation Project Work Plan March 2016 – February 2017

Suggested by:

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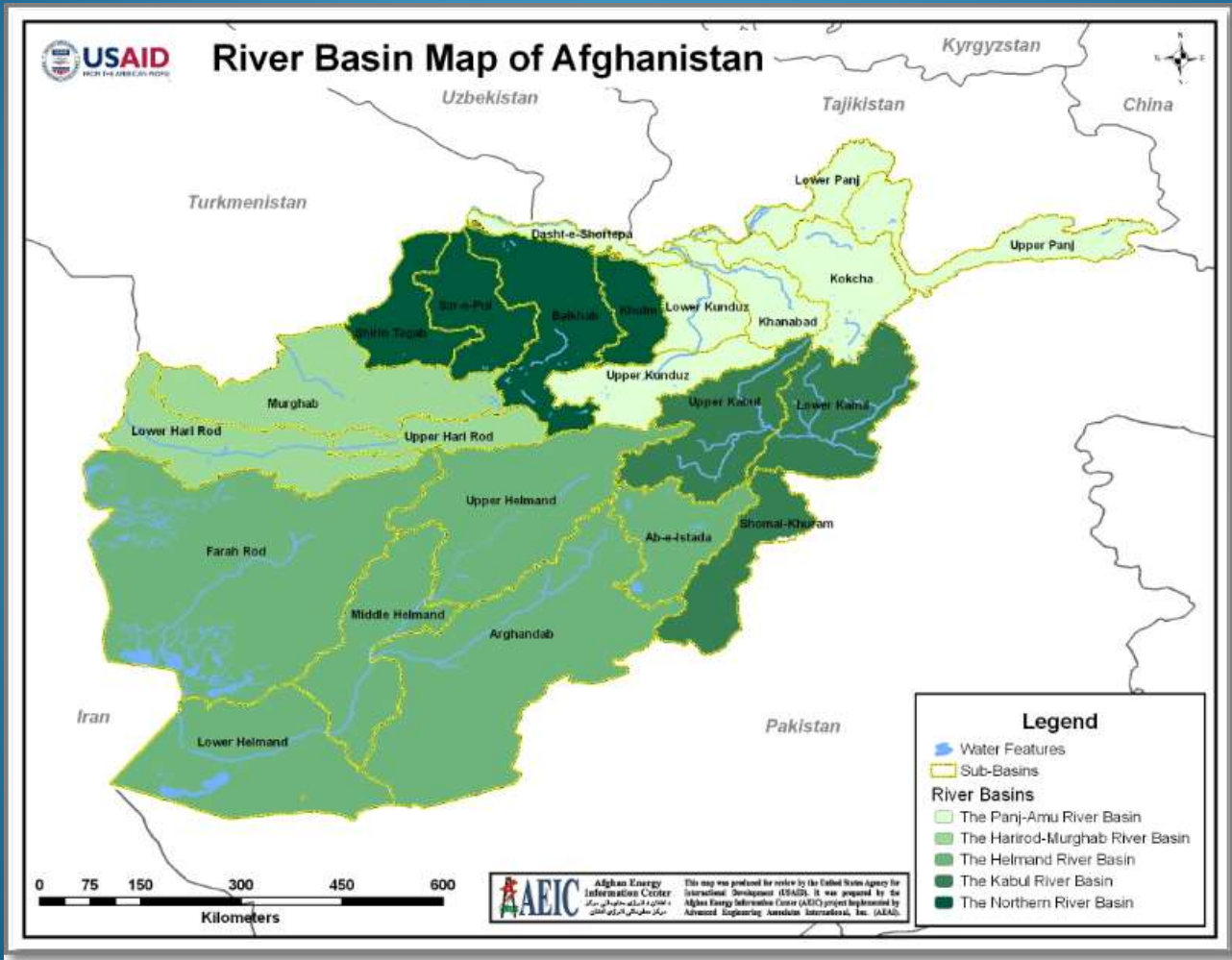
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# 1. Introduction to Afghanistan



# Afghanistan River Basins



SPATE IRRIGATION WORK PLAN  
AFGHANISTAN

# Afghanistan is Also Prone to Flood





# Disaster Prevention and Irrigation Management Activities





# Canal intake and bank-protection gabions built under irrigation repair programme (Afghanistan)



Two **village community development councils** voted to build this canal, benefiting farmers on both sides.



A **MIRAB** partly closes the headwork gates of his canal in Takhar Province (within the Taloqan sub-basin) as part of a water sharing agreement with the downstream Province of Kunduz





# 2. ATVI At a Glance: as a Center of Excellence for Spate Irrigation



د افغانستان تخنیکي او مسلکي زدکړو انستیتوت  
AFGHANISTAN TECHNICAL VOCATIONAL INSTITUTE  
انسټیټوت تعلیمات تخنیکي و مسلکي افغانستان



# Introduction

1. ATVI is established in 2007.
2. ATVI has two programs:
  - (i) Diploma Programs in the following fields
    - Business Administration
    - Information and Communications Technology (ICT)
    - **Horticulture**
    - Construction
    - Vehicle Maintenance
  - (ii) Short Term Tailored Trainings for different categories of mid-level skilled labors including **farmers, auto-mechanics, road operators and maintenance, etc.**

# ATVI Campuses



1. Kabul Campus



2. Laghman Campus

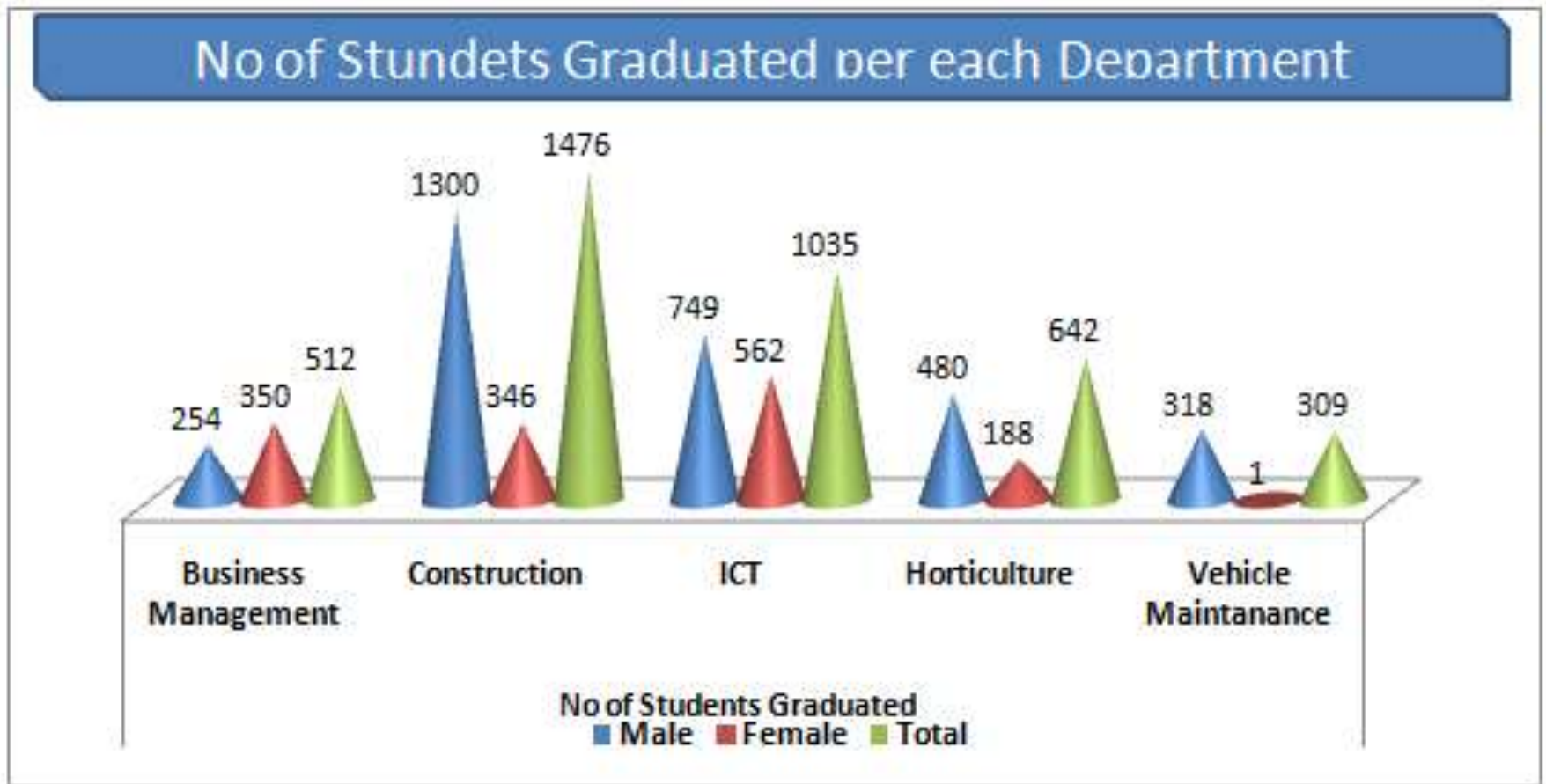


3. Helmand Campus

# ATVI Campuses



# ATVI at a Glance



# ATVI at a Glance

## **Relevant Projects and Activities:**

1. Research: Assessment of MoPW Capacity Building Programs
2. Education Youth in the Department of Horticulture
3. Training Workshops in the relevant field
4. Preparation of Irrigation Manual on Irrigation Methods and Techniques
5. Training and Construction of DEWATS for water treatment and reuse for irrigation and greenery.

# ATVI at a Glance

## Capacity

- Financial, Procurement and HR Procedures, Policy and Guidelines
- Internal Audit conducted,
- External Audit conducted,
- Inventory revised,
- Standard Operation Procedures drafted and finalized,
- ISO Certificate obtained,
- Performance Appraisal System updated and its implementation started for 2016,
- Relations with different donors established for future funding and support,
- Academic Staff in the field of Horticulture in particular and Agriculture in General

# Suggested Work Plan for Spate Irrigation Project for Y1

## A. Network Development

### Activities:

- Core group on Flood-based Farming System established within ATVI
- 10 to 12 pages report and a country-wide map on the status and potential of FBFS in Afghanistan completed (this builds upon the existing overview paper)
- Data base of relevant farmer groups/associations, professionals, government and non-government organizations prepared
- Effective communication mechanism identified for each of the various network partners – farmers, professionals, government and non-government organizations
- One Young professional (Intern) employed at ATVI and becomes an integral part of the core group and project team, as per the Internship Programme.
- A meeting is organized with all Network partners: discuss, among others, project activities and contribution of partners.



# Suggested Work Plan for Spate Irrigation Project for Y1

## **B. Knowledge development and management**

### **Activities:**

Solution oriented research is conducted on water rights and conflict resolution mechanisms

### **Note:**

This is a common theme with other project target countries: Pakistan, Ethiopia, Yemen, and Sudan. Some of the key questions are:

- (a) What is the existing system of water rights and distribution rules as well as conflict resolution mechanisms in FBFS?
- (b) How is this system implemented?
- (c) If and how are these water rights and distribution rules codified?
- (d) What are the changes in (informal) local water institutions, water rights and distribution rules after several years of interventions and disturbances?
- (e) How has this affected the nature and frequency of conflicts?)

# Suggested Work Plan for Spate Irrigation Project for Y1

## C. Capacity Building

### Activities:

- A short course on FBFS integrated into the curriculum of the Agricultural/Horticulture Department (using the materials from the Leadership Course on FBFS held in Nairobi from 29/02 to 11/03 and other materials.
- A short training course for the ATVI Horticulture and Construction Department staff as TOT.
- A short course (s) on relevant FBFS themes given to farmer groups, media outlets, local organizations active in the FBFS areas, and relevant government departments.

# Suggested Work Plan for Spate Irrigation Project for Y1

## **D. Support to Investment Programmes and Policies Activities:**

- One investment proposal for FBFS is developed.
- One policy note on FBFS is ready.

# Suggested Work Plan for Spate Irrigation Project for Y1

## **E. Success Stories and Awareness**

### **Activities:**

- Meetings with policy makers including ministry of agriculture, FAO and WFP officials conducted.
- Few success stories are collected and printed,
- A video of current situation of FBFS in a selected flood plains are produced and subtitled.