

Sameera Zaib

Environmentalist (PPI)

MS Environmental Sciences (IIUI)

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Work in Mountainous areas

- ⊙ Research
 - ⊙ Hazard , Vulnerability and Landslide Risk analysis of Balakot.
 - ⊙ Climate change impacts on birds distribution in CGNP using GIS/RS.
- ⊙ Professional Work
 - ⊙ SLRK Project
 - ⊙ EIA of Bahria Golf City-Murree
 - ⊙ EA of Gandao dam/DWSS for Ghalanai-Mohmand Agency, FATA



SUSTAINABLE LIVELIHOOD REHABILITATION IN KONSH VALLEY, MANSEHRA



Purpose

- ⊙ Ultra poor of Earthquake affected Communities in four UCs of Konsh valley are assisted to restore their livelihoods sustainably.
 - ⊙ Sustainable livelihood approach (SLA)
 - ⊙ Environment and Gender cross cutting themes
 - ⊙ Focused on household
 - ⊙ Aspiration, assets and skills based activities
- ⊙ Rehabilitation Phase
- ⊙ Reconstruction Phase

Roles and Responsibilities

- ① Planning
- ① Coordination
- ① Implementation
- ① Monitoring
- ① Reporting

Methodology

- ① Well being analysis
- ① Household investment plan (HIPs)
- ① Household operational plan (HOPs)
- ① Household based plan (HBP)
- ① Work packages
 - ① Agriculture
 - ① Livestock
 - ① Plants (fast growing and fruit trees)

Rehabilitation phase



- ⦿ Shops establishment
- ⦿ Kitchen gardening
- ⦿ Occupational and vocational trainings
- ⦿ Provision of fuel efficient stoves
- ⦿ Trainings/ awareness sessions
- ⦿ Tool kits



Reconstruction Phase

- ① Cattle sheds
- ① Sewerage system
- ① Roads
- ① Water ponds
- ① Afforestation



**EA of Gandao Dam/ DWSS for
Ghalanai-Mohmand Agency**

Location



Project

- ③ Mohmand Agency is located in North-westren mountains (wazirstan hills)
- ③ The project includes construction of a concrete gravity dam to create a reservoir of 2,100 AF capacity, treatment plant, water supply system.
- ③ Total area = 32 acres



Purpose

- ① Water shortage
- ① Flash flood cause erosion, destroy fields, sweep houses and loss of livestock
- ① Rainfall 15 inches/annum
- ① Ground water recharge, more plantation, attract animals and birds.

Process

- ① Stockholder's consultation
 - ① Communities
 - ① Local /national/international organizations
- ① Impacts identification
- ① Mitigation Measures
- ① Identification of alternatives



Cont..

- ③ Environmental Mitigation and Monitoring Plan
- ③ Emergency Action Plan
- ③ Plantation Plan
- ③ Resettlement Plan

Thank You