

Rod-Kohi System Development for enhancing productivity in marginal environments

Background:

- Water development potential 19MAF
- - Land development potential 17 M Acres
- Potential for crops
- . Wheat, Pulses, oilseeds
- Potential for Livestock

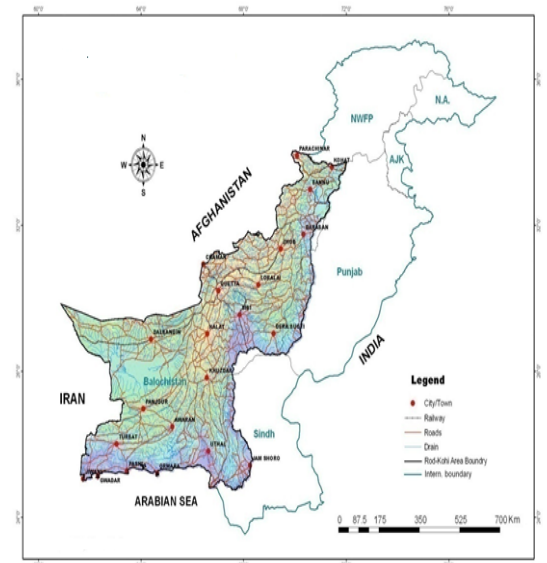
Rod-Kohi Areas

✓ Non-Perennial Floodwater

- ✚ FATA, AJK
- ✚ Sulaiman Ranges of D.I.Khan, D.G.Khan, Barkhan, Loralai and Zoab
- ✚ Kacchi Plain, Lasbela and Kharan Basin of Balochistan
- ✚ Kirther Range of Dadu and Thana Boula Khan

✓ Perennial Kalapani

- ✚ FATA, AJK
- ✚ D.I.Khan, D.G.Khan, Zoab, Loralai, Kacchi Plain



Why Development of Rod-Kohi System

- Improving Water Productivity and Groundwater recharge
- Supporting surface cover and natural vegetation in watersheds
- Maintaining soil fertility

Issues of Rod-Kohi Areas

- Uncertainty and unpredictability of flows
- Inadequate and inappropriate diversion
- Flood Hazards and siltation of conveyance systems
- Inequity in water distribution
- Marginal returns
- Lack of institutional support to water users
- Resource degradation
- Severe and frequent extremes (dry and wet years)
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Implementation Strategy

PARC's water diversion, distribution and application technology will be promoted through technical backstopping to provincial governments, NGOs and communities.

Water Diversion, Distribution and Application Systems

Benefits

- Improved livelihood
- Employment for youth of the local community
- Improved food security at local level
- Capacity building of solar system and high efficiency irrigation companies