

## Water for People: Putting People First – Indigenous Water Wisdom



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## Water Challenges in Pakistan

- In the agricultural/irrigation sector (which uses ~90% of Pakistan's water), it's estimated that over 60% of the water supplied to canal headworks is lost during conveyance and field-application (Pakistan Council of Research in Water Resources-2024).
- At the tertiary level (watercourses delivering water to farms) the losses are estimated at around 40% or more (Research Gate Publication-2021-25).
- Rainwater/runoff: Pakistan is estimated to lose around 35 million acre-feet of rainwater annually due to lack of storage and infrastructure.
- The value of water lost through mismanagement is stated to be about US\$10-15 billion per year according to government sources

## Water Challenges in Pakistan

- Inefficient irrigation and agricultural practices,
- Vulnerability to Droughts and Floods
- Deteriorating Freshwater Quality
- Poor Access to Safe Drinking Water
- Sea Water Intrusion
- Shrinking natural resource endowment of the poor
- Increasing vulnerability to fall into the poverty trap
- Water Depletion throughout the country
- Frequent Water Related Disasters
- Climate Change / Global Warming

## PPAF Water Strategy/ Coverage

- Eradicate poverty, reduce vulnerability, and improve food security through sustainable rural development.
- Focus on efficient management of water and related disasters.
- Promote renewable energy and climate change adaptation.
- Over 100 Partner Organizations through 171,000 CIs
- Districts: 121 (All 4 provinces, AJK, NAs)
- Union Councils: 1,024
- Villages Covered: 10,200
- 22,000 water infrastructure projects implemented
- Beneficiaries: Over 17.46 million (51% women benefitted from 34,700 water/infrastructure projects).



# Pakistan Poverty Alleviation Fund

## Range of PPAF Water Interventions

- Clean Drinking Water Supply Schemes: **10,843** (Gravity-fed ,hand pumps, tubewells, dug wells)
- Integrated Water Efficient Irrigation Schemes: **10,945** (Sprinkler, drip, bubbler, solar-systems)
- Micro Hydro Projects: **65**, Drought Mitigation Preparedness: **3,415** projects

## Investment Summary

- Total Investment: USD 119.45 million
- PPAF Share: USD 95.33 million
- Community Share: USD 24.12 million

## Effectiveness and Impact

- 88% of respondents receive steady water supply year-round.
- Health improvements for women (77%) and children (74%).
- 61% overall and 84% in Punjab reported improved health due to clean water access (A study by SEBCON).

## PPAF Way Forward

- Blend Technology with Conventional Wisdom
- Develop In-House Capacity for Rapid and Un-Interrupted Technical Assistance.
- Focus on Drought Mitigation & Preparedness Projects
- More Emphasis on water conservation and groundwater recharging interventions
- Water Balance Modelling in Drought Prone areas

## Water Conservation Projects in KP





## **ABOUT PPAF LOGO**

**PPAF logo represent two parallel themes:**

### **INVERTING THE INCOME PYRAMID**

The larger outer triangle shows the traditional distribution of income, which counts the number of people at different income levels with the top of the pyramid being high income bands and the bottom being low income bands. Since there are very few people at the top and a great many people at the bottom, hence a broad big base converging into a narrow peak. The two together translate into a pyramid shape. The inner triangle represents PPAF goal: inverting the pyramid, so that there are fewer people at the lower levels of income, and a much greater number of people at the higher income level.

### **WINDOW OF OPPORTUNITY**

The central triangle is also a window of opportunity; an opening that leads out of poverty, towards sustainable growth and development.

Restoring hope | Securing The Future | Ending Poverty