

Pakistan

On-farm Water Management Project



A renovated watercourse (Punjab)

Outline of Loan Agreement

Loan Amount / Disbursed Amount	8,230 million yen / 6,847 million yen
Loan Agreement	March 1992
Terms & Conditions	Interest rate 2.6%p.a. Repayment period 30 years (Grace period 10 years)
Final Disbursement Date	March 2000

Project Outline

Watercourses were rehabilitated in irrigated and rain-fed regions throughout Pakistan with the aim of improving agricultural production through effective utilization of irrigation water.

Results and Evaluation

This project was implemented in parallel with projects being undertaken by the World Bank/Asian Development Bank targeting other regions, and covered the provinces of Punjab, Sindh, and Baluchistan. It covered rehabilitation of 5,773 on-farm irrigation watercourses, construction of 377 water tanks, land leveling (approx. 19,000 ha), the construction of 669 demonstration farms and 8 farmer training centers (incomplete as of the end of 1999), plus procurement of vehicles, land leveling machinery, etc., and the implementation of training for on-farm water management bureau personnel, agricultural promotion personnel, extension workers, and farmers.

According to the interview survey of farmer-beneficiaries, the area under cultivation increased by around 20% from the pre-project level of around 1,800 hectares to 2,200 hectares post completion, with annual cropping intensity increasing from 162% to 173%.

In addition unit crop yields increased 12% for rice and 15% for wheat, with an increase of roughly 24% in farm revenues in real terms.

Regarding the future operation of the facilities, in addition to fertilizer supply and marketing, and services such as credit for farmers, which are collectively provided by the water users' associations, efforts are needed to strengthen the managerial capacity for irrigation and drainage systems.