Chhattisgarh Irrigation Development

ASIAN DEVELOPMENT BANK

PROJECT SUMMARY

India's new state of Chhattisgarh needed to rehabilitate its irrigation systems and improve its irrigation management. Riverside Technology, inc. helped to develop and design the Chhattisgarh Irrigation Development Project.

LOCATION
India (State of Chhattisgarh)

PERIOD
2004

PROJECT DETAILS

Over 80 percent of the state of Chhattisgarh's population lives in rural areas and relies on agriculture for a livelihood. The main strategy for economic development in Chhattisgarh is to increase agricultural productivity, but the state's irrigated agricultural sector suffers from poor water management, insufficient canal networks and structures, and neglected maintenance.

Riverside Technology, inc. (Riverside), under a subcontract to Hydrosult, Inc., helped to design and prepare the Asian Development Bank's (ADB) Chhattisgarh Irrigation Development Project (CIDP), primarily focusing on an economic analysis and evaluation of the project. CIDP was designed to:

- Strengthen irrigation management capacity and operation and maintenance (O&M) practices.
- Physically upgrade existing minor and medium irrigation schemes.
- Enhance opportunities for diversified cropping and increased yields.
- Develop a strong integrated water resources management policy framework.

To accomplish these overall project objectives, Riverside staff:

- Analyzed the economic potential for further irrigation investment and alternatives for sustainable O&M financing at the state level.
- Developed recommendations on policy reform influencing irrigated agriculture including changes in subsidy and tax policy.
- Studied sector trends and present cropping patterns and developed a market analysis of the irrigated agricultural sector.
- Developed an irrigated agricultural and water resources sector revenue and expenditure analysis.
- Developed recommendations regarding Chhattisgarh's irrigated agricultural and water resources sector investment strategies.
- Developed recommendations regarding present pricing for irrigation and water resources.
- Developed strategies and pilot programs for improved yields and crop diversification.

RELATED PROJECTS

Surkhandarya Irrigation System Improvements

Agricultural Irrigation Assessment in Moldova

Water Users Association Development for Romania

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