

 Early Warning System

ADB-48274-002

Shanxi Urban-Rural Water Source Protection and Environmental
Demonstration Project



Quick Facts

Countries	China
Specific Location	Zuoquan County, Jinzhong Municipality of Shanxi Province
Financial Institutions	Asian Development Bank (ADB)
Status	Approved
Bank Risk Rating	A
Voting Date	2017-08-22
Borrower	Government of People's Republic of China, Zuoquan County Government
Sectors	Agriculture and Forestry, Climate and Environment, Water and Sanitation
Investment Type(s)	Loan
Investment Amount (USD)	\$ 100.00 million
Loan Amount (USD)	\$ 100.00 million
Project Cost (USD)	\$ 152.00 million



Project Description

The impact of the project will be improved quality of life and environmental sustainability in Zuoquan County. The outcome of the project will be improved and integrated river basin management in Zuoquan County. The project will include four outputs: (i) water source protection of the Qingzhang headwaters, (ii) Qingzhang River rehabilitation and integrated low-impact facilities, (iii) inclusive water supply and wastewater collection services, and (iv) strengthened institutional capacity.

Output 1 will support (i) re-vegetation around the Shixia Reservoir and planting of forest belt along two headwaters for about 12,800 hectares (ha); (ii) installation of the Shixia Reservoir spillway gates; (iii) construction of a flood-discharging and washout tunnel; and (iv) construction of five hydrological and water quality monitoring stations with telecommunication system in the Shixia Reservoir catchment.

Output 2 will support (i) dredging of selected sections of the Qingzhang River which are heavily silted (about 11.6 kilometers [km]); (ii) rehabilitation of the Qingzhang River, and construction of embankment (about 8.9 km); (iii) construction of wetland of about 35.35 ha and associated river amenity facilities; and (iv) low-impact design (sponge city concept) for Binhe road expansion and stormwater drain installation.

Output 3 will support (i) construction of 45.3-km raw water transmission pipelines and expansion of a pumping station; (ii) construction of 48.3-km water distribution pipelines and expansion of four pumping stations; (iii) replacement of 36.5-km existing water supply pipelines and construction of two rural domestic water treatment stations; (iv) expansion of the Zuoquan County wastewater treatment plant from 10,000 m³ per day to 15,000 m³ per day, with improvement of treatment technologies and renovation of some equipment; (v) construction of 4.97-km trunk sewers; (vi) replacement of 1.29-km existing main sewer pipelines; and reconstruction of four overflow manholes.

Output 4 will support institutional and capacity development for (i) project management; (ii) improvement of existing flood warning system; (iii) integrated urban rural water supply, and (iv) action plan for sponge city design for new city district development.

CONSULTING SERVICES

It is expected that consultants will be required for conducting capacity development and institutional strengthening activities, including project management support. All consulting services will be engaged in accordance with the ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). Consulting services will be selected by (i) inviting simplified technical proposals and (ii) using the quality- and cost-based selection method, with a quality cost ratio of 90:10.



Investment Description

- Asian Development Bank (ADB)

Government US\$ 152 million



Contact Information

Project Officer: Radstake, Frank

East Asia Department

No contact information provided at the time of disclosure.

Executing Agency

Zuoquan County Government

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Bank Documents

- [Climate Risk Vulnerability Assessment and Management Report](#) [Original Source]
- [Contribution to the ADB Results Framework](#) [Original Source]
- [Country Economic Indicators](#) [Original Source]
- [Development Coordination](#) [Original Source]
- [Economic Analysis](#) [Original Source]
- [Financial Analysis](#) [Original Source]
- [Financial Management Assessment](#) [Original Source]
- [Gender Action Plan](#)
- [Initial Environmental Examination](#) [Original Source]
- [Procurement Risk Assessment](#) [Original Source]
- [Project Administration Manual](#)
- [Project Disclosure PDF](#) [Original Source]
- [Report and Recommendation of the President to the Board of Directors](#) [Original Source]
- [Resettlement Plan](#) [Original Source]
- [Risk Assessment and Risk Management Plan](#) [Original Source]
- [Sector Assessment \(Summary\): Multisector \(Agriculture, Natural Resources, and Rural Development; and](#) [Original Source]
- [Shan Xi Cheng Xiang Shui Yuan Bao Hu He Huan Jing Gai Shan Shi Fan Xiang Mu : Xiang Mu Shu Ju Biao](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration Project: Gender Action Plan](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration Project: Procurement Plan](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration Project: Project Administration Manual](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration: Initial Environmental Examination](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration: Initial Poverty and Social Strategy](#) [Original Source]
- [Shanxi Urban-Rural Water Source Protection and Environmental Demonstration: Resettlement Plan](#) [Original Source]
- [Summary Poverty Reduction and Social Strategy](#) [Original Source]



Other Related Projects

- ADB-48274-001 Shanxi Urban-Rural Water Source Protection and Environmental Demonstration