

# INTEGRATED SAFEGUARDS DATA SHEET

## CONCEPT STAGE

**Report No.: ISDSC3758**

**Date ISDS Prepared/Updated:** 24-Jun-2013

**Date ISDS Approved/Disclosed:** 26-Jun-2013

### I. BASIC INFORMATION

#### A. Basic Project Data

<b>Country:</b>	China	<b>Project ID:</b>	P133116
<b>Project Name:</b>	China-Qinghai Xining Water Environment Management Project (P133116)		
<b>Task Team Leader:</b>	Ximing Zhang		
<b>Estimated Appraisal Date:</b>	20-Mar-2014	<b>Estimated Board Date:</b>	16-Oct-2014
<b>Managing Unit:</b>	EASCS	<b>Lending Instrument:</b>	Specific Investment Loan
<b>Sector(s):</b>	Agricultural extension and research (33%), Wastewater Treatment and Disposal (30%), Sanitation (27%), Water supply (10%)		
<b>Theme(s):</b>	Other rural development (34%), Water resource management (33%), City-wide Infrastructure and Service Delivery (33%)		
<b>Financing (In USD Million)</b>			
<b>Total Project Cost:</b>	250.00	<b>Total Bank Financing:</b>	150.00
<b>Total Cofinancing:</b>		<b>Financing Gap:</b>	0.00
<b>Financing Source</b>			<b>Amount</b>
Borrower			100.00
International Bank for Reconstruction and Development			150.00
Total			250.00
<b>Environmental Category:</b>	A - Full Assessment		
<b>Is this a Repeater project?</b>	No		

#### B. Project Objectives

The Project Development Objective is to reduce water pollution and conserve scarce water resources in Xining Municipality.

#### C. Project Description

The project rationale is to achieve reduction in river water pollution and increase in water

availability, through integrating environmental management (such as wastewater collection, treatment and reclamation, and river ecological environment) and water resources management (e.g. reducing soil erosion and use of alternative/reclaimed water resources) in a basin context.

#### Indicative Project Components

The project will consist of the following four components with a total estimated cost of US\$ 250million, including an IBRD loan of US\$150 million:

Component A: Construction of wastewater collection (estimated cost USD123 million). This component includes construction of 95.6km of wastewater collection pipes along rivers and urban wastewater distribution networks (wastewater collection network for No.4 WWTP – total length of 16 km; wastewater collection network for No.5 WWTP – total length of 63.6km, and sewerage interceptor along Chaoyangqu Cannel for No.2 WWTP with length about 16 km); storm water collection and pre-treatment facilities (mainly in Beichuan area with total length of 35.8 km);

Component B: Construction of reclaimed water treatment plants and reclaimed water transfer pipes (estimated cost USD60 million). This component includes construction of three reclaimed water plants with total capacity of 75,000 ton/day (20,000 m<sup>3</sup>/day at No.5 WWTP, 20,000 m<sup>3</sup>/day at No.4 WWTP, and 35,000 m<sup>3</sup>/day at No.3 WWTP), and 78.7km of reclaimed water transfer pipes to the end users(20.6 km for No.3 WWTP, 34.1 km for No.4 WWTP, and 24km for No.5 WWTP); the reclaimed water will be used for urban (30%) and sanitation (30%) purpose and irrigation for forest (40%).

Component C: Construction of wastewater collection systems and Beichuan River landscape improvement (estimated cost USD27 million). This component includes construction of landscape works, affiliated access roads etc. in Beichuan River bank area;

Component D: Integrated gully improvement (estimated cost USD35 million). This component includes construction of numbers of silt retention facilities in key selected gullies around Xining Municipality. There are 62 gullies around Xining City; most of the gullies have been conducted watershed management. However, some gullies are severely polluted by disposal of solid waste and discharge of wastewater. The project chose three most serious polluted gullies to treat.

Component E: Project management and capacity building (estimated cost USD5 million). This component includes activities of project management, monitoring and evaluation (M&E), institutional strengthening and capacity building. It would fund management information systems (MIS), establishment of M&E systems; office equipment, training and workshops, study visits, technical assistance for research and development, policy studies.

#### **D. Project location and salient physical characteristics relevant to the safeguard analysis (if known)**

The proposed project is located in Xining, the capital of Qinghai Province in the western part of China.

Xining is located in the eastern part of Qinghai province and in the Huang River Valley of the Qinghai-Tibet Plateau with an average altitude of over 2200 meters. The urban population is about 1.2 million concentrating on the built up areas in a total size of 104 km<sup>2</sup>. The proposed three reclaimed water treatment plants located in the urban area of Xining which are adjacent to the existing No. 3 WWTP, No. 4 WWTP and No. 5 WWTP. Beichuan River is a tributary of Huangshui

River, which is originated from Datong County of Qinghai Province and flows into the Huangshui River at Xining, with a total length of 154 km. Huangshui River arises in Haiyan County of Qinghai Province and discharges through Qinghai and Gansu before confluences with the Yellow River on Hekou Town of Gansu. The total length of the Huangshui River is 374 km. The project will not involve any international river. All the physical activities are in the urban and peri-urban area of the Xining Municipality.

### **E. Borrowers Institutional Capacity for Safeguard Policies**

Xining has an ongoing Bank financed project. For this proposed project, a Project Leading Group (PLG), which is chaired by the Mayor of Xining and comprises senior officials from relevant municipal agencies, has been established to oversee the preparation and implementation of the Project. A Project Management Office (PMO) has been established in Huangshui River Integrated Management Committee in Xining. The PMO will be responsible for project management, detailed designs, social and environment safeguard preparation, monitoring and evaluation etc. in accordance with Bank guidelines. The PMO currently has established a strong technical team. The PMO will include adequate dedicated staff responsible for different aspects of the project, including overall social and environment management. The PMO and its consultants received safeguard trainings in the identification stage of project preparation, and will continue to receive more training and technical guidance during project preparation. The close interaction between the Bank's task team and the PMO will ensure the adequacy of the PMO's capacity.

Xining has an ongoing project financed by the Bank-“ Xining Flood and Watershed Management Project”. The project is to improve the protection of property and safety of people from flood events and bring about sustainable utilization of land and water resources within Xining Municipality. The PMO is based at Xining Water Resources Bureau. It has received trainings from the Bank Task team and EA consultants. The safeguards implementation capacity achieved by the old project and the values will be add to the new project, including lessons learned.

### **F. Environmental and Social Safeguards Specialists on the Team**

Songling Yao (EASCS)

Yongli Wang (EASCS)

Feng Ji (EASCS)

## **II. SAFEGUARD POLICIES THAT MIGHT APPLY**

<b>Safeguard Policies</b>	<b>Triggered?</b>	<b>Explanation (Optional)</b>
Environmental Assessment OP/ BP 4.01	Yes	It is expected that the project will overall increase the water use efficiency and reduce the pollution loads into the water in Xining.  Environmental impacts during construction are mainly related to small-scale construction under Component A, B and C. e.g. disturbance to traffic and local communities along the sites for pipeline construction and near the sites for water reclamation units, disposal of spoil, nuisance of dust and noise. Environmental impacts during operation mainly include noise, and nuisance

		<p>odor, wastewater from the water reclamation units.</p> <p>The adverse impacts are localized, limited and can be readily managed with accepted measures of good engineering codes of practice (ECOP). The project should be proposed as a category B project considering the type, location, sensitivity, and small scale of the project and the nature and magnitude of its potential environmental impacts. Most mitigation measures will be included in engineering designs and construction specifications. However, considering the potential industry users of reclaimed water (a thermal plant), the project could be proposed as category A at this stage. During Project Preparation, the TT will work with client to identify the users of the reclaimed water and re-propose the environment category based on actual.</p> <p>An EIA and EMP will be prepared for the project. The EA will assess the positive and adverse impacts during the construction and operation phase. A due diligence will be conducted on those associated facilities (to be determined later) which are not funded by the project.</p> <p>The EMP will include (i) Environmental Code Of Practices (ECOPs) for contractors for inclusion in the bidding documents and contracts. (ii) Specific mitigations measures for potential adverse impacts during operation; (iii) Institutional arrangement of Environmental supervision, monitoring plan and Reporting requirements and (iv) EMP implementation budget.</p> <p>EA will identify relevant associated facilities following the IFC's standard.</p>
Natural Habitats OP/BP 4.04	TBD	<p>The project is mainly in the urban and peri-urban area of Xining and the areas already disturbed by intensive human activities. The project will not convert, degrade or restore any natural habitats or critical natural habitats.</p>

		However, at this stage given the type on infrastructures and in particular since gullies around rivers are known to possibly host unknown natural habitats that could be analyzed during EA preparation stage, the TT consider it as TBD at this stage.
Forests OP/BP 4.36	No	This project will not have impacts on the health and quality of forests; nor affect the rights and welfare of people and their level of dependence upon or interaction with forests, nor aim to bring about changes in the management, protection, or utilization of natural forest or plantations.
Pest Management OP 4.09	No	The Project will not lead to purchase pesticide nor use of any pesticides. This policy is not triggered.
Physical Cultural Resources OP/BP 4.11	TBD	Based on the available information and preliminary screening, there are no physical cultural resources identified to be affected by the project. It will be confirmed by a detail survey to be carried out during project preparation.
Indigenous Peoples OP/BP 4.10	TBD	<p>The conducted IP screening did not find any ethnic minority village; however, some project activities and their impacts cannot be clear at this stage, so the OP 4.10 application could not be determined so far.</p> <p>A standalone social assessment will be conducted, in which further screening on ethnic minority will be implemented before the appraisal. IP related instrument will be prepared if any IP is found in the SA process.</p>
Involuntary Resettlement OP/BP 4.12	Yes	<p>The proposed physical activities consist of construction of reclaimed water plant, installation of sewers and reclaimed water pipe, construction of roads related to sewers and pipes, river bank rehabilitation, as well as gully treatment. Still, some activities, possibly linking to the project, entail land related issues. So Involuntary Resettlement will be triggered.</p> <p>Most resettlement impacts by the project and linkage activities can be clearly scoped and investigated prior to appraisal, while some especially on installation of some sewer and</p>

		<p>Reclaimed Water pipe within the project, as well as some on linkage activities could not be determined. So a RP will be prepared to cover the impacts clearly identified prior to appraisal, and a RPF to handle the rest.</p> <p>Further, some resettlement for the proposed activities completed land taking and is under restoring livelihood, so due diligence review and external monitoring is required to include in the RP or to conduct external monitoring at once. At present, the due diligence review will cover such sites as No.4 and No.5 WWTPs and at some sites of Beichuan River Treatment.</p> <p>In summary, a RP will be prepared to cover:</p> <ul style="list-style-type: none"> <li>• known sub-project sites under components A, B, and C.</li> <li>• all associated facilities known prior to appraisal</li> </ul> <p>A RPF will be prepared to cover:</p> <ul style="list-style-type: none"> <li>• all sub-project sites unknown prior to appraisal</li> <li>• all associated facilities unknown prior to appraisal.</li> </ul>
Safety of Dams OP/BP 4.37	No	This is an environmental project, the project will not finance construction of new or rehabilitation of any existing dams (or related facilities) as defined under this policy.
Projects on International Waterways OP/BP 7.50	No	No project activities will be located in international waterways. The policy is not triggered and no actions are required.
Projects in Disputed Areas OP/BP 7.60	No	No project activities will be located in disputed areas. The policy is not triggered and no actions are required.

### III. SAFEGUARD PREPARATION PLAN

**A. Tentative target date for preparing the PAD Stage ISDS: 20-Jan-2014**

**B. Time frame for launching and completing the safeguard-related studies that may be needed. The specific studies and their timing<sup>1</sup> should be specified in the PAD-stage ISDS:**

During next preparation mission (in July 2013) the draft EA, RP, RPF and SA reports prepared by the PMO will be reviewed by the Bank team.

### IV. APPROVALS

<sup>1</sup> Reminder: The Bank's Disclosure Policy requires that safeguard-related documents be disclosed before appraisal (i) at the InfoShop and (ii) in country, at publicly accessible locations and in a form and language that are accessible to potentially affected persons.

Task Team Leader:	Name: Ximing Zhang	
<b><i>Approved By:</i></b>		
Regional Safeguards Coordinator:	Name:	Date:
Sector Manager:	Name: Mark R. Lundell (SM)	Date: 26-Jun-2013