

INTEGRATED SAFEGUARDS DATA SHEET

CONCEPT STAGE

Report No.: ISDSC4259

Date ISDS Prepared/Updated: 16-Feb-2016

Date ISDS Approved/Disclosed: 17-Feb-2016

I. BASIC INFORMATION

A. Basic Project Data

Country:	China	Project ID:	P145897
Project Name:	GEF Mainstreaming Integrated Water and Environment Management (P145897)		
Task Team Leader(s):	Liping Jiang		
Estimated Appraisal Date:	23-Feb-2016	Estimated Board Date:	31-Mar-2016
Managing Unit:	GWA02	Lending Instrument:	Investment Project Financing
GEF Focal Area:	International waters		
Sector(s):	Agricultural extension and research (70%), Water supply (30%)		
Theme(s):	Water resource management (60%), Other environment and natural resources management (40%)		
Financing (In USD Million)			
Total Project Cost:	28.50	Total Bank Financing:	0.00
Financing Gap:	0.00		
Financing Source			Amount
Borrower			19.00
Global Environment Facility (GEF)			9.50
Total			28.50
Environmental Category:	B - Partial Assessment		
Is this a Repeater project?	No		

B. Project Objectives

The PDO is to control water consumption and reduce pollution discharges in selected pilot sub-river basins with ET/EC technology-based integrated water and environment management approach, and to up-scale the approach in the Hai Basin and Liao Basin to minimize the negative impacts on the ecosystem of Bohai Sea.

The above objective will be achieved through the following specific activities:

- To prepare and implement SAPs at the river basin level and IWEMPs at the county level in the pilot sub-river basins, integrating the use of target ET and target EC to guide and control water extraction, utilization and pollution emissions;
- To carry out research on the application of policies, innovative technologies to up-scaling the approach to cover more areas of Hai and Liao Basins, encouraging a shift towards more efficient modes of production;
- To up-scale the innovative technologies and policy interventions tested at the pilot sub-river basins to cover more areas of the Hai and Liao Basins (20-30% of the problem areas in the Hai and Liao and Yellow River Basins) to improve water productivity, reduce water pollution and strengthen environmental protection;
- To strengthen the capacity of the central and local governments for integrated water and environmental management; and
- To construct civil works or infrastructure (to be fully financed by government counterpart funds during the second or third year of project implementation) to increase water productivity and reduce pollution discharges during the second or third year of project implementation in line with SAPs and IWEMPs prepared during the early stage of project implementation.

C. Project Description

The total cost of the project is estimated at US\$104.5 million including US\$9.5 million from GEF financing, and US\$95 million from government counterpart funding.

Component 1 ? Studies and Policies on Up-Scaling of ET/EC Technology-based IWEM in the Hai and Liao Basins

- 1.1 Preparation of policies to support scaling of ET/EC technology-based IWEM
- 1.2 Application of existing new technologies to support scaling of ET/EC technology-based IWEM

Component 2 ? Implementation and Up-Scaling of ET/EC Technology-based IWEM System in the Hai and Liao River Basins

- 2.1 National water quantity and quality monitoring system with shared database
- 2.2 Knowledge Management (KM) systems with shared database
- 2.3 Strengthening operations of the Hai River Basin ET Center
- 2.4 Strategic Action Plans (SAPs) at sub-river basin level
- 2.5 Integrated Water and Environment Plans (IWEMPs) at the county level

Component 3 ? Infrastructure Construction (to be fully financed by government)

- 3.1 Irrigated agricultural water savings
- 3.2 Reduction of water pollution discharges
- 3.3 Rehabilitation of on-farm works and water measuring facilities for pilot WUAs

Component 4 ? Institutional Capacity Building and Exchanges for scaling of ET/EC Technology-based IWEM System

- 4.1 Joint decision making conference system for sub-river basin
- 4.2 Project Management Organizations
- 4.3 Establishment of Water user associations (WUAs)
- 4.4 Consulting services to support project management
- 4.5 International and domestic training and study tours

- 4.6 Domestic and international workshops
- 4.7 Management information system (MIS)
- 4.8 Project monitoring and evaluation
- 4.9 IWLEARN activities

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

The project areas include demonstration area and scaling-up area. The demonstration area is located in the selected three demonstration cities including Cang-Zhou, Shi-Jia-Zhuang and Cheng-De in Hebei Province. The locations of project activities on physical investment are all in demonstration area. The scaling-up area is located in Hebei where there are no project activities on physical investments. The project activities on non-physical investments (e.g. training and research or software development) are for both demonstration and scaling-up areas. The locations of all physical investments under the project (included in Component 2) cannot be finalized until 2017 or 2018 based on the government investment programs. The type of the proposed investment activities include installation of water saving equipment in the exiting irrigated area such as the low pressure pipelines, drip irrigation systems and sprinklers etc. and construction of small wastewater treatment plants and pipelines.

E. Borrowers Institutional Capacity for Safeguard Policies

The Project is an extension of China GEF Hai Basin Integrated Water and Environment Management Project, which was concluded highly satisfactorily. The central PMO-The Ministry of Environmental Protection (MEP) and the Ministry of Water Resources (MWR) have rich experience on the projects financed by the World Bank. The central Project Management Office (PMO) for the previous GEF project will continue managing this project. The central PMO is familiar with the Bank safeguards policies and procedures. At the provincial level, the PMO in Hebei involved in the previous GEF project. The Bank team and the client's EA consultants will provide trainings to improve its capacity to the acceptable level. All these implementation agencies will receive necessary trainings on project management and the Bank safeguard policies in the early stage of preparation. Therefore, the institutional capacity is deemed to be sufficient for the Bank's project.

F. Environmental and Social Safeguards Specialists on the Team

Feng Ji (GEN02)

Songling Yao (GSU02)

Zongcheng Lin (GENDR)

II. SAFEGUARD POLICIES THAT MIGHT APPLY

Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/BP 4.01	Yes	The proposed project will build on the success of the Hai River Basin Integrated Water and Environment Management Project, which implemented an integrated approach to water resource management and pollution control in the Hai River Basin, and developed water resources management technology and experience. The proposed project will seek to mainstream cooperation for integrated water and environment management, and to further integrate the use of ET and EC to optimize water use at the

		<p>river basin level. As such the project will not likely to cause any significant environmental and social issues. However, there will be some adverse impacts associated with the physical investment under Component 2 and 3 which aim to reduce water consumption and control pollution discharges. The fund to finance infrastructure under project will be coming from the Government counterpart funds. The details of these activities cannot be determined until the SAPs and IWEMPs to be prepared during project implementation.</p> <p>It is estimated that there are general construction-related impacts, which are site specific, localized, small-scale, and few (if any) of them are irreversible, and can be readily mitigated with good construction management.</p> <p>Considering the type, location, sensitivity, and scale of the project and the nature and magnitude of its potential environmental impacts, the project is proposed as a Category B project.</p> <p>An Environmental and Social Management Framework (ESMF) is proposed to be prepared, setting out the guidelines and procedures to address the environmental and social impacts of the project activities. The ESMF includes, among others,</p> <ul style="list-style-type: none"> - The Bank's safeguards policies are to be taken into account in the development of the SAPs and IWEMPs developed under the project. - Procedures to address Environmental and Social Impacts/issues caused by other physical activities financed by the Chinese counterpart fund, and inclusion of guidelines and procedures to screen and assess impacts of ancillary facilities - General Environmental Code of Practice (ECOP) to address the general construction related impacts. - Institutional arrangement to be specified. - Grievance Redress Mechanism. - Budget for the ESMF implementation. - Public consultation. The public consultation will be well documented and results of the consultations be taken into account in the project design.
Natural Habitats OP/BP 4.04	Yes	The project is located in the area (e.g. farmlands)

		which has been heavily influenced by human activities. The project does not have the potential to cause any significant conversion (loss) or degradation of natural habitats, whether directly (through construction) or indirectly (through human activities induced by the project). Given that there are opportunities for benefits to natural habitats, this policy is triggered.
Forests OP/BP 4.36	No	The project has no potential to have impacts on the health and quality of forests or the rights and welfare of people and their level of dependence upon or interaction with forests, or aims to bring about changes in its management or protection. This policy is not triggered.
Pest Management OP 4.09	No	The project does not envision any procurement of pesticides or pesticide application equipment, nor lead to substantially increased pesticide use and subsequent increase in health and environmental risk, nor could maintain or expand present pest management practices that are unsustainable. This policy is not triggered.
Physical Cultural Resources OP/BP 4.11	TBD	Based on the available information from the client and the site visit, the project will only involve small scale of construction activities. The project is not likely to cause any significant adverse impacts on the PCRs in the project influence area. It will be further confirmed during project preparation.
Indigenous Peoples OP/BP 4.10	Yes	<p>The proposed project is to promote an innovative approach to integrated river basin management for a better water resource conservation and pollution control. The project is to be located in the Hai River Basin, and the innovative approach will be advocated in the scaling-up areas in the Liao and Yellow River Basin. During project preparation, a Social Management Framework (SMF) will be developed in the project Environment and Social Management Framework (ESMF) to address social safeguards concerns and other social issues, including guidance for screening IPs in the project areas, preparation for safeguard instruments, public consultation and participation, and project consequent influence under basin management intensification.</p> <p>As guided by the SMF, an Ethnic Minority Planning Framework (EMPF/IPPF) will be prepared for those areas where IPs will be identified.</p>

Involuntary Resettlement OP/ BP 4.12	Yes	<p>The propose project will conduct its demonstrative pilot of the ET/EC-based integrated water and environment management in some cities in the Hai River Basin, and will scale up the integrated management in the ???problem areas??? in the Liao and Yellow River Basins. For intensifying the integrated basin management, some physical investment from the counterpart funds would be needed for construction of local WWTPs and saving water irrigation facilities, which would entail involuntary taking of land.</p> <p>During project preparation, a Social Management Framework (SMF) will be prepared in which a Resettlement Policy Framework (RPF) will be developed in view of the potential land acquisition and resettlement, even though the specific sizes and detailed design of the resettlement associated project activities are unknown at the preparation and appraisal stages. The RPF will guide project implementation and ensure the further safeguard instrument such as Resettlement Action Plan (RAP) to be developed in time when some subprojects causing resettlement are designed.</p> <p>The propose project will conduct its demonstrative pilot of the ET/EC-based integrated water and environment management in some cities in the Hai River Basin, and will scale up the integrated management in the ???problem areas??? in the Liao and Yellow River Basins. For intensifying the integrated basin management, some physical investment from the counterpart funds would be needed for construction of local WWTPs and saving water irrigation facilities, which would entail involuntary taking of land.</p> <p>During project preparation, a Social Management Framework (SMF) will be prepared in which a Resettlement Policy Framework (RPF) will be developed in view of the potential land acquisition and resettlement, even though the specific sizes and detailed design of the resettlement associated project activities are unknown at the preparation and appraisal stages. The RPF will guide project implementation and ensure the further safeguard instrument such as Resettlement Action Plan (RAP) to be developed in time when some subprojects causing resettlement are designed.</p>
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Safety of Dams OP/BP 4.37	No	The project will not finance construction or rehabilitation of any dams as defined under this policy, or dependent upon an existing dam. This policy is not triggered.
Projects on International Waterways OP/BP 7.50	No	The project will not involve international waterways as defined under this policy.
Projects in Disputed Areas OP/BP 7.60	No	The proposed project will not be in a disputed area.

III. SAFEGUARD PREPARATION PLAN

A. Tentative target date for preparing the PAD Stage ISDS: 15-Feb-2016

B. Time frame for launching and completing the safeguard-related studies that may be needed.
The specific studies and their timing¹ should be specified in the PAD-stage ISDS:

During next preparation mission, the draft ESMF prepared by the EA institute will be reviewed by the Bank team.

IV. APPROVALS

Task Team Leader(s):	Name: Liping Jiang	
<i>Approved By:</i>		
Safeguards Advisor:	Name: Peter Leonard (SA)	Date: 16-Feb-2016
Practice Manager/ Manager:	Name: Ousmane Dione (PMGR)	Date: 17-Feb-2016

¹ 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.