PROJECT DATA SHEET

Project Data Sheets (PDS) contain summary information on the project or program: Because the PDS is a work in progress, some information may not be included in its initial version but will be added as it becomes available. Information about proposed projects is tentative and indicative.

PDS Creation Date	21 Jul 2006
PDS Updated as of	28 Oct 2010

Project Name	Yellow River Flood Management Sector Project
Country	China, People's Republic of
Project/Program Number	33165-013
Status	Approved
Geographical Location	Yellow River basin in North China

In preparing any country program or strategy, financing any project, or by making any designation of, or reference to, a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

Sector and/or Subsector Classification	Agriculture and natural resources / Irrigation, Drainage, and Flood Protection
Thematic Classification	Economic growth Environmental sustainability
Gender Mainstreaming Categories	–

FINANCING

Type/Modality of Assistance	Approval Number	Source of Funding	Approved Amount (US$ thousand)
Loan	1835	-	0
TOTAL			**US$ 0**

SAFEGUARD CATEGORIES

For more information about the safeguard categories, please see http://www.adb.org/site/safeguards/safeguard-categories

Environment	B
Involuntary Resettlement	

–

Indigenous Peoples –

SUMMARY OF ENVIRONMENTAL AND SOCIAL ISSUES

Environmental Aspects

–

Involuntary Resettlement

–

Indigenous Peoples

–

STAKEHOLDER COMMUNICATION, PARTICIPATION, AND CONSULTATION

During Project Design

–

During Project Implementation

–

DESCRIPTION

The objective of the Yellow River Flood Management Sector Project (YRFMSP) is to reduce flooding incidence and damages in the lower Yellow River through improved river management and flood protection measures. The project will improve the environment in the lower river basin, and enhance protection of the poor and near poor against flood hazards. The components of the project are (i) flood management, (ii) flood control works, and (iii) village flood protection. The Flood Management component will strengthen the institutional and technical capacity of the Yellow River Conservancy Commission (YRCC) to manage the Yellow River basin in an integrated manner. The component, among others, will strengthen YRCC's capability to assess and resolve environmental, social and economic issues related to flood control interventions. The Flood Control Works component will comprise the rehabilitation and improvement of existing flood control embankments, river training structures, and the flood retention reservoirs. These will incorporate initiative to improve the environment through the planting of wave protection trees along the embankments and protection of wetlands. The Village Flood Protection component will involve construction and rehabilitation of elevated earth residential platforms and evacuation routes within the flood plains. The component will include construction of village infrastructure, social facilities, and housing for the poor on the platforms, and improvement of drainage to minimize water-logging. Trees and grasses will be planted to stabilize the platform slopes.

PROJECT RATIONALE AND LINKAGE TO COUNTRY/REGIONAL STRATEGY

The river basin's most significant problem and the preponderant cause of flooding and related impacts in the lower river basin is the extremely high erosion of soil from the Loess Plateau, covering 640,000 square kilometers (km2), or 80 percent of the total catchment area. In times of high river flow the sediment is carried, at an average annual rate of 1.6 billion tons, into the lower river basin. Only about 25 percent of this sediment is carried through to the sea, the remainder is deposited in the river bed and flood plains. Hence, the bed of the river has risen at an average rate of 5-10 centimeters (cm) per year, and the flood control embankments have been periodically raised to counter this. The current comprehensive flood management plan comprises a range of interrelated and delicately balanced strategies for management of the natural resources base, including (i) extensive soil and water conservation programs in the upper and middle river reaches (particularly in the Loess Plateau); (ii) construction of multipurpose reservoirs; (iii) continuous adjustment and strengthening of flood control embankments in the lower river reach; (iv) development and improvement of flood retention basins in the floodplain to store flood water when embankments are at risk of overtopping; (v) implementation of development and building controls in flood-prone areas; and (vi) planning measures, such as the relocation of families presently living in areas of high flood risk such as the inner floodplain. These measures are complemented by flood prediction and warning systems, supported by an elaborate disaster relief system. In the wake of the catastrophic floods of 1998 in the Yangtze, Songhua, Nen, and Liao river basins (estimated to have caused direct

economic losses in excess of $23 billion) MWR has been directed to, inter alia, prepare and implement a program to overhaul the nation's flood defense system and uniformly improve the standard of flood protection. For Yellow River the specific objective for 2010 is to strengthen the flood protection system to be able to withstand a flood of 1,000 years average recurrence interval. The Asian Development Bank (ADB) has been requested to finance the Yellow River Flood Management Sector Project to help reduce flooding and flood hazards in the lower Yellow River.

DEVELOPMENT IMPACT

–

PROJECT OUTCOME

Description of Outcome	Progress Towards Outcome
–	–

OUTPUTS AND IMPLEMENTATION PROGRESS

Description of Project Outputs	Status of Implementation Progress (Outputs, Activities, and Issues)
–	–

BUSINESS OPPORTUNITIES

Date of First Listing	21 Jul 2006
Consulting Services	The international consultants, including the consultant to be financed by the Government of Denmark, will be selected and engaged in accordance with ADB's Guidelines on the Use of Consultants, and other arrangements acceptable to ADB for selecting and engaging domestic consultants. The consultants for the engineering study (32 person-months international and 766 domestic) will assist YRCC in the areas of flood forecasting and management, morphological modeling, asset management systems, reservoir operation, and survey equipment. The consultants for the project management component (48 person-months international and 384 domestic) will help in monitoring the environmental mitigation measures, implementing the resettlement plan, and strengthening PMO operations, particularly ESD in PMO. The Government of Denmark will finance a part of the engineering study (10 person-months of an international consultant) for the flood forecasting and warning system. The Project will require 80 person-months of international and 1,150 of domestic consulting services including engineering study, project management, environment, and social development (resettlement).
Procurement	Goods and services for ADB-financed contracts will be procured in accordance with ADB's Guidelines for Procurement. Major contracts for equipment valued at more than $500,000 will be undertaken through ADB's international competitive bidding (ICB) procedures. Smaller equipment packages, of $500,000 or less each, will be procured following international shopping procedures. Civil works contracts estimated to cost more than $5 million will be carried out using ICB procedures while those of $5 million equivalent or less will be carried out using local competitive bidding (LCB) procedures in accordance with the tendering and bidding law and related regulations. Local contractors have the necessary expertise, experience, and capacity to undertake

these contracts. However, in accordance with ADB's Guidelines for Procurement, foreign contractors may bid on contracts using LCB. Civil works for the village flood protection component costing $1 million or less per package will be implemented under force account basis, since it would be difficult for local contractors to implement the component, which requires close coordination with large numbers of villagers.

Procurement and Consulting Notices	http://www.adb.org/projects/33165-013/business-opportunities

TIMETABLE

Concept Clearance	16 Jul 1999
Fact-finding	11 Sep 2000 to 29 Sep 2000
Management Review Meeting	01 Dec 2000
Approval	28 Aug 2001
Last Review Mission	–

MILESTONES

Approval No.	Approval	Signing	Effectivity	Closing		
				Original	Revised	Actual
Loan 1835	28 Aug 2001	10 Jun 2002	11 Sep 2002	30 Jun 2006	30 Jun 2008	16 Oct 2008

STATUS OF COVENANTS

Covenants are categorized under the following categories—audited accounts, safeguards, social, sector, financial, economic, and others. Covenant compliance is rated by category by applying the following criteria: (i) Satisfactory—all covenants in the category are being complied with, with a maximum of one exception allowed, (ii) Partly Satisfactory—a maximum of two covenants in the category are not being complied with, (iii) Unsatisfactory—three or more covenants in the category are not being complied with. As per the 2011 Public Communications Policy, covenant compliance ratings for Project Financial Statements apply only to projects whose invitation for negotiation falls after 2 April 2012.

Approval No.	Category						
	Sector	Social	Financial	Economic	Others	Safe	Project Financial Statements
Loan 1835	–	–	–	–	–	–	–

CONTACTS AND UPDATE DETAILS

Responsible ADB Officer	Yoshiaki Kobayashi (yoshikobayashi@adb.org)
Responsible ADB Department	East Asia Department
Responsible ADB Division	Environment, Natural Resources & Agriculture Division, EARD

Executing Agencies	Ministry of Water Resources *Li Ge

LINKS

Project Website	http://www.adb.org/projects/33165-013/main
List of Project Documents	http://www.adb.org/projects/33165-013/documents