

**INTEGRATED SAFEGUARDS DATASHEET  
APPRAISAL STAGE**

**I. Basic Information**

Date prepared/updated: 05/23/2014

Report No.: AC6926

**1. Basic Project Data**

Original Project ID: P084302	Original Project Name: Sindh Water Sector Improvement Project Phase I	
Country: Pakistan	Project ID: P131325	
Project Name: Addittional Financing Water Sector Improvement Project		
Task Team Leader: Abdulhamid Azad		
Estimated Appraisal Date: June 2, 2014	Estimated Board Date: July 21, 2014	
Managing Unit: SASDA	Lending Instrument:	
Sector: Irrigation and drainage (80%);General water, sanitation and flood protection sector (20%)		
Theme: Rural services and infrastructure (40%);Water resource management (20%);Rural policies and institutions (20%);Participation and civic engagement (20%)		
IBRD Amount (US\$m.):	0	
IDA Amount (US\$m.):	150	
GEF Amount (US\$m.):	0	
PCF Amount (US\$m.):	0	
Other financing amounts by source:		
<u>BORROWER/RECIPIENT</u>		0.00
		0.00
Environmental Category: A - Full Assessment		
Simplified Processing	Simple <input type="checkbox"/>	Repeater <input type="checkbox"/>
Is this project processed under OP 8.50 (Emergency Recovery) or OP 8.00 (Rapid Response to Crises and Emergencies)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

**2. Project Objectives**

is to improve the efficiency and effectiveness of irrigation water distribution in three AWBs (Ghotki, Nara and Left Bank canals), particularly with respect to measures of reliability, equity and user satisfaction.

The objective will remain unchanged under the additional financing. No changes are proposed to the original scope and implementation modalities of the project.

No additional works or activities will be financed. The AF is only financing cost-overrun.

**3. Project Description**

The additional financing will finance the costs associated with the Government of Sindh's (GoS) continuing efforts to rehabilitate and improve the irrigation and drainage system, and to integrate storm and agricultural drainage needs on the broad flat plain stretching from the Indus River to Badin and the coastal zone (the so called left bank area in southern Sindh). In order to improve the efficiency and effectiveness of irrigation water distribution in the province, the Water Sector Improvement Project (WSIP) financed

priority works on the main and branch canals, distributaries and minors in three Area Water Boards (AWBs), in addition to analytical tools and information management systems to support planning and management of flood risks by local authorities, as well as feasibility studies for rehabilitation works on major hydraulic structures. The additional financing will address a financing gap in the project because of rising costs and will ensure that the project completes is intended objectives. No changes are proposed to the project's development objective and to the current implementation, coordination, and monitoring and evaluation (M&E) arrangements. The partnership arrangements as designated under the original project will also remain unchanged.

#### **4. Project Location and salient physical characteristics relevant to the safeguard analysis**

The project will be implemented in Sindh Province, on the left bank of Indus River. Most of the project activities will be carried out in the rural areas where canal-irrigated agriculture is the main source of livelihood. River Indus is the main source of water in the area. Groundwater is mostly saline except for small quantities of fresh groundwater found near the river and canals. Air quality in rural areas is generally good except near industrial units particularly sugar mills. Some wildlife-sanctuaries and game reserves also exist in the area.

#### **5. Environmental and Social Safeguards Specialists**

Ms Miki Terasawa (SASDS)

Mr Javaid Afzal (SASDI)

<b>6. Safeguard Policies Triggered</b>	<b>Yes</b>	<b>No</b>
<b>Environmental Assessment (OP/BP 4.01)</b>	<b>X</b>	
<b>Natural Habitats (OP/BP 4.04)</b>	<b>X</b>	
<b>Forests (OP/BP 4.36)</b>		<b>X</b>
<b>Pest Management (OP 4.09)</b>	<b>X</b>	
<b>Physical Cultural Resources (OP/BP 4.11)</b>		<b>X</b>
<b>Indigenous Peoples (OP/BP 4.10)</b>		<b>X</b>
<b>Involuntary Resettlement (OP/BP 4.12)</b>	<b>X</b>	
<b>Safety of Dams (OP/BP 4.37)</b>		<b>X</b>
<b>Projects on International Waterways (OP/BP 7.50)</b>	<b>X</b>	
<b>Projects in Disputed Areas (OP/BP 7.60)</b>		<b>X</b>

## **II. Key Safeguard Policy Issues and Their Management**

### **A. Summary of Key Safeguard Issues**

1. Describe any safeguard issues and impacts associated with the proposed project. Identify and describe any potential large scale, significant and/or irreversible impacts: The key environmental and social issues associated with the activities under the original project included air quality deterioration noise, water and soil contamination, disposal of spoils and silt, borrow area management, hazards associated with additional vehicular traffic, risk of habitat modification, potential threat to wildlife, risk of disruption of irrigation water, damage to the existing infrastructure, safety hazards for local population,

and land acquisition. Most of these impacts were however associated with the construction phase and hence were temporary in nature. The activities under the AF are likely to cause similar nature and scale of negative environmental and social impacts.

2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:

The EA for the original project identified soil and water contamination as well as health hazards for the farmers and nearby communities associated with the increased usage and handling of pesticides and fertilizers due to increased water availability as the key potential indirect and long term impacts in the project area. These concerns were addressed by implementing a Pest Management Plan in the area. No additional indirect and or long term impacts are expected to be caused by the AF.

3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.

The project has no 'siting alternatives' since it involves rehabilitation of existing irrigation network. Other project alternatives such as construction methodology, location of borrow and disposal areas, location of construction camps, and construction timings have been considered in the Project ISEA and will be further refined in the sub-project specific EMPs that will be prepared during the project implementation.

4. Describe measures taken by the borrower to address safeguard policy issues. Provide an assessment of borrower capacity to plan and implement the measures described.

The Borrower has prepared an Integrated Social and Environmental Assessment (ISEA) for the original project. The ISEA remains valid for AF also since it covers the project components under the new project. ISEA calls for conducting sub-project and site-specific EA for sub-projects under Component B1. In line with this requirement, the Borrower will conduct separate EAs and prepare EMPs for rehabilitation works on Ghotki and Left Bank canals. These EAs and EMPs will provide site-specific mitigation measures to address the potential impacts of the project works under AF.

The Borrower possesses adequate capacity to manage the safeguard aspects of the project and has established elaborate institutional setup for this purpose. This setup includes environmental specialists in Sindh Irrigation Development Authority (SIDA) – the implementing agency and Project Coordination and Monitoring Unit (PCMU), as well as in Project Implementation Consultants (PIC), M&E Consultants, and contractors. EMP implementation is included in the construction contracts, and PIC supervises the contractors to ensure that the works are carried out in compliance with the EMP requirements. M&EC routinely carries out safeguards monitoring to identify gaps in EMP implementation – these gaps and non-compliances are discussed in a monthly meeting among the project entities and corrective measures determined.

This above described setup and monitoring mechanism will continue to exist during the AF also. Capacity building of the safeguard staff of the project entities will be continued during the AF.

5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people. The key stakeholders of the project include the farmers in the command areas of the canals to be covered under the project, Farmer Organizations (FOs), local community, Irrigation Department, Sindh Wildlife Department, and Environmental Protection Agency. Consultations with these stakeholders were carried out during the preparation of the ISEA of the original project. Additional consultations were carried out while conducting EAs and preparing EMPs of B1 and B2 components of the original project. Such consultations will be continued while conducting EAs of the sub-projects under component B1 of AF.

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***B. Disclosure Requirements Date***

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**Environmental Assessment/Audit/Management Plan/Other:**

Was the document disclosed <b>prior to appraisal?</b>	Yes
Date of receipt by the Bank	01/25/2006
Date of "in-country" disclosure	11/15/2006
Date of submission to InfoShop	11/27/2006
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	11/27/2006

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**Resettlement Action Plan/Framework/Policy Process:**

Was the document disclosed <b>prior to appraisal?</b>	Yes
Date of receipt by the Bank	01/25/2006
Date of "in-country" disclosure	11/15/2006
Date of submission to InfoShop	11/27/2006

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**Indigenous Peoples Plan/Planning Framework:**

Was the document disclosed <b>prior to appraisal?</b>
Date of receipt by the Bank
Date of "in-country" disclosure
Date of submission to InfoShop

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**Pest Management Plan:**

Was the document disclosed <b>prior to appraisal?</b>	No	
Date of receipt by the Bank		N/A
Date of "in-country" disclosure		N/A
Date of submission to InfoShop		N/A

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**\* If the project triggers the Pest Management and/or Physical Cultural Resources, the respective issues are to be addressed and disclosed as part of the Environmental Assessment/Audit/or EMP.**

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**If in-country disclosure of any of the above documents is not expected, please explain why:**

PMP for Sindh was prepared under another Bank-financed project - Sindh On-Farm Management Project (SOFWMP). For more details see Annex 10.2 of the WSIP PAD dated August 2007

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***C. Compliance Monitoring Indicators at the Corporate Level (to be filled in when the ISDS is finalized by the project decision meeting)***

<b>OP/BP/GP 4.01 - Environment Assessment</b>	
Does the project require a stand-alone EA (including EMP) report?	Yes
If yes, then did the Regional Environment Unit or Sector Manager (SM) review and approve the EA report?	Yes
Are the cost and the accountabilities for the EMP incorporated in the credit/loan?	Yes
<b>OP/BP 4.04 - Natural Habitats</b>	
Would the project result in any significant conversion or degradation of critical natural habitats?	Yes
If the project would result in significant conversion or degradation of other (non-critical) natural habitats, does the project include mitigation measures acceptable to the Bank?	Yes
<b>OP 4.09 - Pest Management</b>	
Does the EA adequately address the pest management issues?	Yes
Is a separate PMP required?	No
If yes, has the PMP been reviewed and approved by a safeguards specialist or SM? Are PMP requirements included in project design? If yes, does the project team include a Pest Management Specialist?	N/A
<b>OP/BP 4.12 - Involuntary Resettlement</b>	
Has a resettlement plan/abbreviated plan/policy framework/process framework (as appropriate) been prepared?	Yes
If yes, then did the Regional unit responsible for safeguards or Sector Manager review the plan?	No
<b>OP 7.50 - Projects on International Waterways</b>	
Have the other riparians been notified of the project?	N/A
If the project falls under one of the exceptions to the notification requirement, has this been cleared with the Legal Department, and the memo to the RVP prepared and sent?	N/A
Has the RVP approved such an exception?	N/A
<b>The World Bank Policy on Disclosure of Information</b>	
Have relevant safeguard policies documents been sent to the World Bank's Infoshop?	Yes
Have relevant documents been disclosed in-country in a public place in a form and language that are understandable and accessible to project-affected groups and local NGOs?	Yes
<b>All Safeguard Policies</b>	
Have satisfactory calendar, budget and clear institutional responsibilities been prepared for the implementation of measures related to safeguard policies?	Yes
Have costs related to safeguard policy measures been included in the project cost?	Yes
Does the Monitoring and Evaluation system of the project include the monitoring of safeguard impacts and measures related to safeguard policies?	Yes

Have satisfactory implementation arrangements been agreed with the borrower and the same been adequately reflected in the project legal documents?

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Yes

***D. Approvals***

<b><i>Signed and submitted by:</i></b>	<b><i>Name</i></b>	<b><i>Date</i></b>
Task Team Leader:	Mr Abdulhamid Azad	
Environmental Specialist:	Mr Javaid Afzal	03/14/2014
Social Development Specialist Additional Environmental and/or Social Development Specialist(s):	Ms Miki Terasawa	03/14/2014
<b><i>Approved by:</i></b>		
Regional Safeguards Coordinator:	Mr Francis V. Fragano	05/23/2014
Comments:		
Sector Manager:	Mr Simeon Kacou Ehui	03/14/2014
Comments:		