

**INTEGRATED SAFEGUARDS DATA SHEET
ADDITIONAL FINANCING**

Report No.: ISDSA15534

Date ISDS Prepared/Updated: 02-Nov-2015

Date ISDS Approved/Disclosed: 03-Nov-2015

I. BASIC INFORMATION

1. Basic Project Data

Country:	Pakistan	Project ID:	P155226
		Parent Project ID:	P110099
Project Name:	Water Sector Capacity Building and Advisory Services (P155226)		
Parent Project Name:	Water Sector Capacity Building & Advisory Services Project (WCAP) (P110099)		
Task Team Leader(s):	Javaid Afzal		
Estimated Appraisal Date:	03-Nov-2015	Estimated Board Date:	21-Dec-2015
Managing Unit:	GWA06	Lending Instrument:	Investment Project Financing
Sector(s):	General water, sanitation and flood protection sector (100%)		
Theme(s):	Water resource management (70%), Climate change (30%)		
Is this project processed under OP 8.50 (Emergency Recovery) or OP 8.00 (Rapid Response to Crises and Emergencies)?			No
Financing (In USD Million)			
Total Project Cost:	34.95	Total Bank Financing:	34.95
Financing Gap:	0.00		
Financing Source			Amount
BORROWER/RECIPIENT			0.00
International Development Association (IDA)			34.95
Total			34.95
Environmental Category:	B - Partial Assessment		
Is this a Repeater project?	No		

2. Project Development Objective(s)

A. Original Project Development Objectives – Parent

The project objective is to improve the management and investment planning of water resources in the Indus River Basin.

B. Proposed Project Development Objectives – Additional Financing (AF)

3. Project Description

The proposed AF project builds on the original projects' gains and consolidates impacts. The component structure will remain the same, with small changes to the sub-components of the original project. The following sections summarize the planned activities under the proposed AF.

Component A: Capacity Building of and Support to Federal/Provincial Institutions in Water Resources Planning and Management (USD 10.57 Million)

Component A1: Capacity building in planning, development and testing of water resources infrastructure. The planned activities will in particular address the enhancement of policy and planning capacity through the strengthening of provincial research labs whose research results inform federal policy and planning in the energy and agriculture sectors. This will comprise upgrading (staffing, training, software, hardware) and modernization of existing facilities including the following three activities:

- i. Up-grading of the Nandipur Irrigation Research Station to build a world class center of excellence in hydraulic research and related areas that responds to changing global scenarios and provides technological solutions for optimal and safe design of water resources infrastructure, including for hydropower development.
- ii. Up-grading and strengthening capacity of Soil Mechanics Hydraulic Research Laboratories (Hyderabad and Karachi) of the Directorate for Research and Hydrology. This Directorate is the research wing of the Irrigation Department of the Government of Sindh and caters to other national and federal departments providing hydraulic modeling results and testing the strength and quality of materials referred to the research departments.
- iii. Establishment of modern and computerized labs for survey, drawing and soil testing at Irrigation Unit/Division in Balochistan to support irrigation efficiency in the command areas linked to the Indus Basin Irrigation System (IBIS).

Component A2: Capacity building in system planning, management and operation. The planned activities will scale-up efforts to increase transparency in the interprovincial water allocation system initiated under the original project and contribute to water conveyance efficiency in the IBIS. This sub-component will include the following two activities:

- i. Flow measurements at key locations of IBIS;
- ii. Analysis of seasonal and monthly water balance between several reaches in the Indus main stem and Jhelum-Chenab zones.

Component A3: No activities proposed under this sub component.

Component A4: Capacity Building for the Planning Commission (Water Section). This component will support the establishment of an International Center at/through the Planning and Development Division for water issues and national and international coordination/cooperation.

Component B: Improvement in Water Resources Management and Development (USD 17.15 Million)

Component B1: Upgrading (staffing, training, software, hardware, etc.) of tools, water resources databases, management systems and models. This component will finance enhancements for hydropower generation and development planning and flood resilience. Support will include the following three activities:

i. Development of methodology, techniques and procedures adopted for carrying out the study for developing seasonal as well as 10- Daily forecasts for River Chenab at Marala and River Kabul at Nowshera.

ii. Establishment of an integrated office management system at WAPDA to enhance its water and energy development and management capacity.

Component B2: No activities proposed under this sub component.

Component B3: Hydropower planning, asset management plans, dam safety inspections and studies. This component will finance the upgrading (staffing, training, software, hardware, etc.) of the Concrete, Cement, Steel and Soil Dynamics Lab of the Central Material Testing Laboratory (CMTL) at WAPDA.

Component B4: Feasibility studies for hydropower projects. This component will finance the feasibility studies for hydropower projects.

Component C: Project Management and Additional Studies (USD 7.23 Million)

Component C1: Project coordination, monitoring and evaluation. As with the ongoing project, this component will finance project management and general administration costs, including experts working with Project Management and Policy Implementation Unit, monitoring and evaluation, general operation and maintenance costs for equipment and vehicles, and necessary replacements.

Component C2: Strategic studies approved by the Steering Committee. During implementation of the ongoing project the following strategic studies have been identified for financing through the AF: (i) Upgrading capacity of the Federal Flood Commission in managing floods by undertaking studies and implementing pilots identified in the National Flood Protection Plan IV updated under the original WCAP; and (ii) upgrading of the Master Plan of Flood Management of Hill Torrents of Pakistan and feasibility studies for check/recharge dams in the Suleiman Range and the Marri Bugti Hill Torrent. Additional studies may be identified during implementation of the AF and are likely to include the Comprehensive Integrated Master Plan for the development and utilization of energy resources on tributaries in the Upper Indus basin, and ranking/privatization of raw sites.

Component C3: Technical Assistance, Capacity Building and Training. The ongoing project has financed significant capacity building activities. Over forty government officials have been trained in monitoring and evaluation techniques, dam safety, procurement, and project management. This component will finance the continuation of the capacity building and training programs for government officials under the AF.

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

The TA project mainly features capacity development of the borrower in water resources development and management --spread across the entire Indus Basin Irrigation System. Both MoWP and WAPDA will be capacitated in undertaking various technical studies for water resources development and management. Two of the three counterpart agencies MoWP & the Planning Commission are located in Islamabad while WAPDA is housed in Lahore. The Indus basin irrigation system itself is characterized with gently rolling mountains in the upper Punjab to flat plains of Punjab and Sindh province. Most of the Basin system is well developed and presents wheat-rice, wheat-cotton or Wheat-Sugarcane cropping pattern, though area under orchard, vegetables and other high value crops is increasing. The area is well-populated with bulk of the population spread along the rivers and the associated canal irrigation system. The physical interventions under AF will be carried out in Punjab, Sindh, and Balochistan provinces. The intervention in Punjab will be carried out in a rural setting while the ones in Sindh and Balochistan will be carried out in urban settings. All of these interventions will be carried out inside the premises/areas owned and occupied by the project proponents (government departments).

5. Environmental and Social Safeguards Specialists

Mohammad Omar Khalid (GENDR)

Salma Omar (GSURR)

6. Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/BP 4.01	Yes	The project has prepared and got cleared from the SAR Safeguards Advisor an ESMP required to mitigate potential negative environmental and social impacts likely to arise due to some rehabilitation/renovation and or upgradation works at the hydraulic laboratories. These works are to be funded out of proposed AF. The ESMP provides adequate implementation arrangements for the proposed mitigation measures in the ESMP.
Natural Habitats OP/BP 4.04	No	
Forests OP/BP 4.36	No	
Pest Management OP 4.09	No	
Physical Cultural Resources OP/BP 4.11	No	
Indigenous Peoples OP/BP 4.10	No	
Involuntary Resettlement OP/BP 4.12	No	
Safety of Dams OP/BP 4.37	No	The OP 4.37 may be triggered as appropriate for the projects for which feasibility studies would be carried out under AF.
Projects on International Waterways OP/BP 7.50	Yes	The RVP has confirmed that this falls under the exception to notification provided under the Bank's policy OP 7.50
Projects in Disputed Areas OP/BP 7.60	No	

II. Key Safeguard Policy Issues and Their Management

A. Summary of Key Safeguard Issues

<p>1. Describe any safeguard issues and impacts associated with the proposed project. Identify and describe any potential large scale, significant and/or irreversible impacts:</p> <p>The Project includes capacity building for key federal water resources management institutions, and water resources management and development studies. The additional financing includes some minor construction activities comprising rehabilitation, addition of rooms or renovation of existing laboratory buildings located at Hyderabad, Nandipur, Karachi, Quetta and or Dera Murad Jamali. These construction activities are likely to cause low to moderate intensity of localized, temporary, and mostly reversible environmental and social impacts. There is no land acquisition involved in construction activities or research studies. Majority of construction work is</p>
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renovation-based. During construction, staff will continue to work from other office space/rooms on the premises.
2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:
The original project funded TA activities to enhance borrower's capacity for the management and investment planning of water resources and also to manage environmental and social impacts under investment programs in the Indus River Basin, covering policies and implementation practice in involuntary resettlement and environment management, such as basin level strategic environmental assessment and studies on resettlement. Under the AF, the borrower's capacity will be further enhanced for improved planning and management of water resources in the Indus basin, particularly focusing the planning and research institution at the federal and provincial levels. These activities are likely to have positive long term impact. The minor construction activities to be undertaken under AF are not likely to have any long term and or indirect negative impacts. The feasibility studies under the AF are not likely to result in any direct environmental or social impacts but adverse environmental and social impacts cannot be ruled out due to subsequent implementation of these feasible projects. Separate environmental and social assessment will be carried out for these feasible projects. The feasibility studies to be undertaken as part of TA project would consider project alternatives in addition to the potential environmental and social issues.
3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.
The only alternative is the 'no-project' alternative which will deny the country the opportunity to improve the planning and management of water resources in the Indus Basin. Therefore that is not a preferred alternative.
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 feasibility studies for hydropower projects that were developed under the original Project (under Component B4) included specific environmental and social assessments as well as action plans in accordance with relevant World Bank Policies and Guidelines. The feasibility studies under the AF will also have similar arrangements built into them and separate environmental and social assessment will be carried out for the feasible projects. For the minor construction activities under the AF, an environmental and social management plan (ESMP) has been prepared. The ESMP has been disclosed nationally as well as at WB InfoShop. The borrower has limited capacity to implement the ESMP; appropriate capacity building measures have been included in the ESMP to address this. In addition, close supervision and guidance from the Bank will also be provided in this regard.
5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people.
The original Project supported several vital studies necessary for understanding and establishing enabling environmental assessment framework for the Indus basin. This included sectoral, strategic environmental assessment of the Indus Basin with a broader scope compared to the Sectoral Environmental Assessment of 1991/92 and several feasibility and environmental studies for the hydropower projects. All these studies were built upon large stakeholder consultation and validation processes to ensure that their opinions and understanding of the project were fully taken into account. The feasibility studies under the AF will also include similar nature and scale of stakeholder consultations. In addition, stakeholder consultations have also been carried out while preparing the ESMP. The ESMP ESMP was disclosed in-country on October 8th, 2015 and has also been disclosed at the WB InfoShop.

B. Disclosure Requirements

Environmental Assessment/Audit/Management Plan/Other	
Date of receipt by the Bank	07-Sep-2015
Date of submission to InfoShop	14-Oct-2015
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	////
"In country" Disclosure	
Pakistan	08-Oct-2015
<i>Comments:</i>	
If the project triggers the Pest Management and/or Physical Cultural Resources policies, the respective issues are to be addressed and disclosed as part of the Environmental Assessment/Audit/or EMP.	
If in-country disclosure of any of the above documents is not expected, please explain why:	

C. Compliance Monitoring Indicators at the Corporate Level

OP/BP/GP 4.01 - Environment Assessment	
Does the project require a stand-alone EA (including EMP) report?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
If yes, then did the Regional Environment Unit or Practice Manager (PM) review and approve the EA report?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Are the cost and the accountabilities for the EMP incorporated in the credit/loan?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
OP 7.50 - Projects on International Waterways	
Have the other riparians been notified of the project?	Yes [<input type="checkbox"/>] No [<input checked="" type="checkbox"/>] NA [<input type="checkbox"/>]
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?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Has the RVP approved such an exception?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
The World Bank Policy on Disclosure of Information	
Have relevant safeguard policies documents been sent to the World Bank's Infoshop?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
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 [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
All Safeguard Policies	
Have satisfactory calendar, budget and clear institutional responsibilities been prepared for the implementation of measures related to safeguard policies?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Have costs related to safeguard policy measures been included in the project cost?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]

Does the Monitoring and Evaluation system of the project include the monitoring of safeguard impacts and measures related to safeguard policies?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]
Have satisfactory implementation arrangements been agreed with the borrower and the same been adequately reflected in the project legal documents?	Yes [<input checked="" type="checkbox"/>] No [<input type="checkbox"/>] NA [<input type="checkbox"/>]

III. APPROVALS

Task Team Leader(s):	Name: Javaid Afzal	
<i>Approved By</i>		
Safeguards Advisor:	Name: Zia Al Jalaly (SA)	Date: 03-Nov-2015
Practice Manager/ Manager:	Name: Parameswaran Iyer (PMGR)	Date: 03-Nov-2015