

**INTEGRATED SAFEGUARDS DATA SHEET  
ADDITIONAL FINANCING**

**Report No.: ISDSA12035**

**Date ISDS Prepared/Updated:** 29-Apr-2015

**Date ISDS Approved/Disclosed:** 02-May-2015

**I. BASIC INFORMATION**

**1. Basic Project Data**

<b>Country:</b>	Tajikistan	<b>Project ID:</b>	P154327
		<b>Parent Project ID:</b>	P133327
<b>Project Name:</b>	Additional Financing for Tajikistan PAMP II (P154327)		
<b>Parent Project Name:</b>	TAJIKISTAN SECOND PUBLIC EMPLOYMENT FOR SUSTAINABLE AGRICULTURE AND WATER RESOURCES MANAGEMENT PROJECT (P133327)		
<b>Task Team Leader(s):</b>	Bobojon Yatimov, Jeren Kabayeva		
<b>Estimated Appraisal Date:</b>	15-Apr-2015	<b>Estimated Board Date:</b>	18-Jun-2015
<b>Managing Unit:</b>	GWADR	<b>Lending Instrument:</b>	Investment Project Financing
<b>Sector(s):</b>	Irrigation and drainage (89%), Public administration- Agriculture, fishing and forestry (8%), Public administration- Other social services (3%)		
<b>Theme(s):</b>	Rural services and infrastructure (75%), Rural policies and institutions (19%), Social Safety Nets/Social Assistance & Social Care Services (3%), Improving labor markets (3%)		
<b>Is this project processed under OP 8.50 (Emergency Recovery) or OP 8.00 (Rapid Response to Crises and Emergencies)?</b>			No
<b>Financing (In USD Million)</b>			
Total Project Cost:	12.00	Total Bank Financing:	12.00
Financing Gap:	0.00		
<b>Financing Source</b>			<b>Amount</b>
BORROWER/RECIPIENT			0.00
International Development Association (IDA)			12.00
Total			12.00
<b>Environmental Category:</b>	B - Partial Assessment		

<b>Is this a Repeater project?</b>	No
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## 2. Project Development Objective(s)

### A. Original Project Development Objectives – Parent

The project development objectives are to (i) provide employment to food insecure people through the rehabilitation of irrigation and drainage infrastructure, (ii) increase crop production in response to improved irrigation and drainage infrastructure, and (iii) support the development of improved policies and institutions for water resource management, as a means to improve food availability and food access for low-income people in poor rural areas supported by the project.

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

The project development objectives for PAMP II are to: (i) provide access to temporary employment to food-insecure people through the rehabilitation of irrigation and drainage infrastructure, (ii) increase yields of selected crops in response to improved irrigation and infrastructure, and (iii) strengthen the capacity of government to introduce integrated water resource management. By improving food access and food availability these measures improve the food security of low-income people in the poor rural areas supported by the project.

## 3. Project Description

The proposed AF will be used to finance the rehabilitation of irrigation and drainage infrastructure and to support Water User Associations in four additional districts in Khatlon Region (Shahrtuz, Qabodiyon, Vakhsh and Qumsangir) and one district in the Region of Republican Subordination (Vahdat) and will support the following activities specified under the first component of the parent project:

The project has three main components:

Component I: Public Works and Rehabilitation of Irrigation and Drainage Infrastructure (total Bank funding of USD 34.71 million, from USD 20.74 million GAFSP funds and USD 13.97 million IDA funds).

Sub-component Ia: Employment Generation for Food Insecure Households through Public Works: Food insecure people from the project districts will be employed for manual cleaning of secondary and tertiary irrigation canals. Expenditure will include payments to beneficiaries, employer contributions to beneficiary social security taxes, social mobilization and labor force administration costs, and the procurement of low-cost tools for manual labor.

Sub-component Ib: Mechanized and Other Works: In addition to manual works, rehabilitation will require: the rental and purchase of machinery (excavators, bulldozers and closed drain flushing equipment), the purchase and installation of irrigation gates, irrigation canal and structure repair works, pipeline network repairs and strategic pump station and vertical drainage well repairs.

Sub-component Ic: Flood Channel Emergency Works: The project will finance the emergency restoration of a flood channel that traverses and protects the city of Kulyab as well as reduces risks for agriculture land and irrigation systems supported through the project down in Vose district.

Component II: Assistance in the water resources management, including technical assistance for policy and institutional reform.

Sub-Component IIa: National level Policy, Legislative and Institutional Formulation: The project will assist the government to: (i) further develop the legal basis for integrated water resource management and water sector reform, (ii) prepare a national IWRM strategy to identify priorities for improving water resource management in Tajikistan, and (iii) establish a national Water Information System (WIS).

All references to MAWRM and Mirops in the relevant descriptions of sub-component IIa in the PAD are replaced with MEWR and ALRI, respectively. The original task to support transformation of the MAWR into a Ministry of Water Resources has been dropped as government opted to establish the MEWR instead. The original proposal to establish a centralized Water Resource Information Center (WRIC) has also been replaced with the establishment of a more decentralized Water Information System (WIS) in response to the new institutional structure for water resource management, as described below.

Sub-Component IIb: River Basin Planning: The project will assist the government to establish River Basin Management (RBM) in the Kofarnihon River basin. The description of activities remains the same, but the project will no longer establish Mirops.

Subcomponent IIc. Develop and Strengthen Irrigation and Drainage Institutions: This component was originally intended to assist the government to: (i) build independent, financially-autonomous irrigation and drainage service providers at the off-farm level; (ii) support the transformation of existing region and district level institutions into a new framework based on system-level hydraulic boundaries; and (iii) establish and strengthen the capacity of these institutions through provision of technical assistance, goods, works and training. These activities must now be modified in response to the new institutional structure.

Component III: Project Management: A project management unit (PMU) to be managed under the World Bank-financed Ferghana Valley Water Resource Management project will be the main implementation agency. It will be responsible for: implementation and coordination, financial management and procurement, communication and awareness programs, environmental management and safeguards, and monitoring and evaluation.

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

The project will be implemented in the following districts in Khatlon Region (Shahrtuz, Qabodiyon, Vakhsh and Qumsangir) and in one district in the Region of Republican Subordination (Vahdat).

**5. Environmental and Social Safeguards Specialists**

Angela Nyawira Khaminwa (GSURR)

Arcadii Capcelea (GENDR)

<b>6. Safeguard Policies</b>	<b>Triggered?</b>	<b>Explanation (Optional)</b>
Environmental Assessment OP/BP 4.01	Yes	This OP is triggered as the project activities (small-scale earth moving, concrete works, cleaning up existing drainage channel structures; rehabilitation/replacement of

		pumps), might generate some environmental impacts: water and air pollution; noise, soil erosion; dumping of excavated sediments and other materials from irrigation and drainage channels, structures; occupational hazards, etc. To address these issues, the borrower will use the Generic Environmental Management Plan prepared for the initial project. Based on the EMP, the borrower will prepare site-specific EMPs for each selected irrigation scheme and pumping station in accordance with WB and national EA rules and procedures, and will then disclose and publicly consult them in the participating raions. These EMPs will be used for project implementation.
Natural Habitats OP/BP 4.04	No	No. As the proposed activities will be located in the existing irrigation areas, none of them will have impacts on protected areas or important nature habitats.
Forests OP/BP 4.36	No	No. The project activities will be implemented in irrigation areas with no impacts on forests.
Pest Management OP 4.09	No	No. OP 4.09 on Pest Management is not triggered as the project does not require the purchase and/or use of pesticides, and based on previous experience in the region, the improved irrigation infrastructure will not lead to changes in the crops production which would require usage of more pesticides. The main crop will remain cotton with a limited application of pesticides due to their high costs. However, the project in view of longer term considerations and changes in demand and supply trends will allocate resources within its public outreach campaign to carry out information dissemination activities in support to Integrated Pest Management in the project area.
Physical Cultural Resources OP/BP 4.11	No	No. As the proposed activities will be located in the existing irrigation areas, none of them will have impacts on physical cultural resources.
Indigenous Peoples OP/BP 4.10	No	No indigenous peoples as per OP 4.10 are present in the project area.
Involuntary Resettlement OP/BP 4.12	No	No. The policy is not triggered because: (i) rehabilitation works will be done on existing irrigation/drainage canals and collectors; (ii) rehabilitation works related to upgrade of the pumping station buildings including replacement of pumps, when necessary, will be done only on the footprints of existing facilities. There will be no civil works related to construction of new pumping stations. In order to avoid any tree cutting during rehabilitation works, while preparing a site specific EMP, the borrower will analyze this issue and in such cases those canals/ collectors will be excluded from the project activities.

		Similarly to the practice of the original project, tree cutting along the canals will be avoided.
Safety of Dams OP/BP 4.37	No	No
Projects on International Waterways OP/BP 7.50	Yes	The project area covers irrigation network which draws water from the Amu Darya River through Tajikistan's territory and then flows into the Aral Sea. Thus the project triggers OP 7.50. At the same time, the proposed investments under the project are only for renovation of irrigation canals and improvements of drainage infrastructure along with the purchasing agricultural machinery, which are not expected to change the volume of extraction/discharge water or quality of water of these rivers, but rather will lead to more effective irrigation and drainage of the water. Under the first PAMP, an exception to the notification requirement under Paragraph 7(a) of OP 7.50 was granted. Such exception was also received under PAMP II.
Projects in Disputed Areas OP/BP 7.60	No	N/A

## II. Key Safeguard Policy Issues and Their Management

### A. Summary of Key Safeguard Issues

<p><b>1. Describe any safeguard issues and impacts associated with the proposed project. Identify and describe any potential large scale, significant and/or irreversible impacts:</b></p> <p>The project AF will support same project activities as the parent project (small scale earth moving, concrete works, cleaning up existing drainage channel structures; rehabilitation/replacement of pumps as well as rehabilitation of pumping stations). Although most of these works are fairly small scale and will be done manually, they might generate some adverse environmental impacts: water and air pollution; noise, soil erosion; dumping of excavated sediments and other materials from irrigation and drainage channels, structures; occupational hazards, etc. At the same time, the project will bring several positive environmental and social impacts, and in particular, reduction in: water logging, salinization and water losses; improved irrigation distribution; reduction in seepage losses from main canal and over-supply of irrigation, with a beneficial effect for the area - a lower water table, a lower risk of salinity, and less stagnant water pools in the village causing health problems. Direct positive impacts will be also generated by increased production, more employment and increased income.</p> <p>As the project activities will be implemented on existing irrigation schemes, no impacts on natural habitats, forests and/or physical cultural resources are expected.</p>
<p><b>2. Describe any potential indirect and/or long term impacts due to anticipated future activities in the project area:</b></p> <p>The long term and indirect project impacts are positive and associated with: (a) Improved agricultural productivity; (b) Increased Farm Income, Alleviation of Poverty; (c) Reduction in Water Losses; (d) Improved Water Resources Management; (e) Increased employment.</p>
<p><b>3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse</b></p>

<b>impacts.</b>
N/A
<b>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.</b>
<p>To address potential adverse impacts the client will apply the Generic Environmental Management Plan (GEMP) which was prepared and applied for the initial project. Based on the GEMP site-specific EMPs will be prepared, taking into account the specific conditions of the selected irrigation scheme and/or drainage network as well as for the pumping stations, after the detailed design of each sub-project will be completed. The GEMP ensures that the proposed prevention/mitigation measures and monitoring activities identified during the subprojects EA will be properly undertaken during the project implementation. The GEMP includes the following: (a) short description of applicable laws, policies on environment procedures for EA as well as EA institutions and responsibilities; (b) Environmental Guidelines (EG) specifying: (i) potential environmental and social impacts of the rehabilitation of irrigation canals, improvements of drainage infrastructure activities; (ii) proposed mitigation and monitoring measures to be applied during the project implementation; (iii) description of the EMP Checklist which will be applied for activities related to pumping stations and flood channel repairing; (c) description of implementing arrangements, including supervision and monitoring, as well as reporting; and (d) analysis of the EA institutional capacity of the implementing agencies along with the proposed technical assistance to adequately implement the EA requirements for the subprojects to be supported. The GEMP also specifies necessary steps for preparing site-specific EMP of the selected Irrigation Schemes (ISs) and/or of the Drainage Canals (DCs) as well as for EMP Checklist for mentioned above activities.</p> <p>The overall management responsibility for the project will rest with the Ferghana Water Resource Management Project Management Unit (PMU) which will be the leading operational institution for the implementation of the proposed project and carry out all project implementation in accordance with the Operations Manual (OM). The PMU also will ensure that the EMP provisions are fully integrated into implementation of the project, including monitoring and reporting required by the World Bank. Proper implementation of the EMP provisions and field monitoring are the main responsibilities of the Project Implementation Unit (PIU) at the regional level. Contractors will be responsible for implementation of the rehabilitation works in accordance with environmental requirements specified in the bidding documents and the EMP. PIU will work closely with CEP in implementing the EMPs. The existing PMU has previous experience in dealing with safeguards issues as it implemented several WB including the first PAMP project.</p> <p>The WB implementation support missions conducted in December 2013, June 2014 and January 2015 showed that the GEMP implementation is being carried out at satisfactory level. All project activities up to now are being implemented in full compliance with the GEMP. Before any activities on the ground have been started the PMC prepared site specific EMPs for participating in the project districts which have been presented to all interested parties (NGOs involved in environmental protection and agriculture, government and local public authorities, farmers etc.). After EMPs disclosure the PMC Environmental Specialist and the local company “Dusti” have organized their public consultation. The final version of the documents have been approved by the oblast environmental authorities and currently are used for the project implementation. The main provisions of the EMPs are included in the contracts for conducting drainage canals cleaning up activities. Furthermore, PMC and “Dusti” have undertaken a series of environmental capacity building and information dissemination activities which have been highly appreciated by the</p>

project beneficiaries. The PMC jointly with local irrigation engineers conduct periodical monitoring on the project activities and until now no complaints on environmental non-compliance have been reported.
<b>5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people.</b>
The GEMP was consulted with all involved stakeholders. Similarly, the site specific EMPs for all participating project raions and pumping stations have been prepared/will be prepared and per GEMP stipulations have been/will be disclosed and consulted on the ground prior any civil works will start.

**B. Disclosure Requirements**

<b>Environmental Assessment/Audit/Management Plan/Other</b>	
Date of receipt by the Bank	30-Aug-2012
Date of submission to InfoShop	13-Sep-2012
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	////
<b>"In country" Disclosure</b>	
Tajikistan	30-Aug-2012
<i>Comments:</i>	
<b>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.</b>	
<b>If in-country disclosure of any of the above documents is not expected, please explain why:</b>	

**C. Compliance Monitoring Indicators at the Corporate Level**

<b>OP/BP/GP 4.01 - Environment Assessment</b>	
Does the project require a stand-alone EA (including EMP) report?	Yes [ ] No [ ] NA [ ]
<b>OP 7.50 - Projects on International Waterways</b>	
Have the other riparians been notified of the project?	Yes [ ] No [ ] NA [ ]
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 [ ] No [ ] NA [ ]
Has the RVP approved such an exception?	Yes [ ] No [ ] NA [ ]
<b>The World Bank Policy on Disclosure of Information</b>	
Have relevant safeguard policies documents been sent to the World Bank's Infoshop?	Yes [ ] No [ ] NA [ ]
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 [ ] No [ ] NA [ ]
<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 [ <input 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 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 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 type="checkbox"/> ] No [ <input type="checkbox"/> ] NA [ <input type="checkbox"/> ]

### III. APPROVALS

Task Team Leader(s):	Name: Bobojon Yatimov, Jeren Kabayeva	
<b><i>Approved By</i></b>		
Practice Manager/ Manager:	Name: Dina Umali-Deininger (PMGR)	Date: 02-May-2015