

**INTEGRATED SAFEGUARDS DATA SHEET  
APPRAISAL STAGE**

**Report No.: ISDSA8482**

**Date ISDS Prepared/Updated:** 26-May-2014

**I. BASIC INFORMATION**

**1. Basic Project Data**

<b>Country:</b>	China	<b>Project ID:</b>	P144531
<b>Project Name:</b>	Climate Smart Staple Crop Production (P144531)		
<b>Task Team Leader:</b>	Jiang Ru		
<b>Estimated Appraisal Date:</b>	28-May-2014	<b>Estimated Board Date:</b>	29-Aug-2014
<b>Managing Unit:</b>	GFADR	<b>Lending Instrument:</b>	Investment Project Financing
<b>GEF Focal Area:</b>	Climate change		
<b>Sector(s):</b>	Crops (80%), Agricultural extension and research (20%)		
<b>Theme(s):</b>	Climate change (100%)		
<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:	30.10	Total Bank Financing:	0.00
Financing Gap:	0.00		
<b>Financing Source</b>			<b>Amount</b>
Borrower			25.00
Global Environment Facility (GEF)			5.10
Total			30.10
<b>Environmental Category:</b>	B - Partial Assessment		
<b>Is this a Repeater project?</b>	No		

**2. Global Environmental Objective(s)**

The proposed project's Project Development Objective (PDO) and its Global Environmental Objective (GEO) is to demonstrate climate smart and sustainable staple crop production in Huaiyuan County of Anhui Province and Yexian County of Henan Province.

**3. Project Description**

The proposed project will have four components: (a) CSA Demonstration; (b) Policy Development and Knowledge Management; and (c) Project Management.

Component 1: CSA Demonstration. This component will support (a) demonstration of GHG emission reduction and efficient irrigation techniques; (b) demonstration of soil carbon sequestration techniques; (c) new production technique pilots; (d) technical support for CSA demonstration; and (e) monitoring and evaluation (M&E).

Component 2: Policy Development and Knowledge Management. This component will support (a) development of national CSA policies, strategy and guidelines; (b) domestic dissemination of project knowledge; and (c) promotion of international CSA cooperation.

Component 3: Project Management. This component will support project implementing agencies to manage, implement, supervise and monitor project implementation.

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

The proposed project sites are in 12 villages of two townships of Huiyuan County of Bengbu Municipality of Anhui Province and 28 villages of two townships of Yexian County of Pingdingshan Municipality of Henan Province.

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

Songling Yao (GSURR)

Yiren Feng (GENDR)

<b>6. Safeguard Policies</b>	<b>Triggered?</b>	<b>Explanation (Optional)</b>
Environmental Assessment OP/ BP 4.01	Yes	
Natural Habitats OP/BP 4.04	No	
Forests OP/BP 4.36	No	
Pest Management OP 4.09	Yes	
Physical Cultural Resources OP/ BP 4.11	No	
Indigenous Peoples OP/BP 4.10	No	Among all 30 project villages, one Hui Minority village in Yexian County was identified during the Social Assessment (SA) process. It was confirmed that the villagers have their own religion and customs different from the dominant society. It was also noted that these villagers share the same political and economic institutions and use the same language (Mandarin) as the dominant society. As such, they are not qualified as Indigenous People per the definition of the OP 4.10. Therefore, OP 4.10 is not triggered.

Involuntary Resettlement OP/BP 4.12	Yes	
Safety of Dams OP/BP 4.37	No	The project will not finance construction or rehabilitation of any dams as defined under this policy, and the project related irrigation activities will not rely on upstream dams or a dam under construction.
Projects on International Waterways OP/BP 7.50	No	
Projects in Disputed Areas OP/BP 7.60	No	

## 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 environmental and social impacts of the proposed project are overall positive as the project will promote climate smart and sustainable crop production techniques and practices. Positive environmental benefits include reduced emission of greenhouse gases, reduced uses and releases of agricultural chemicals into the environment, and improved soil organic matters. In addition to these environmental benefits, successful implementation of CSA demonstrations is expected to generate positive social economic and health benefits to project farmers as these activities will improve crop productivity, reduce the use and release of pesticides and fertilizers, and promote professional crop production and pest management services.</p> <p>Project preparation confirms that (a) there are no sensitive locations and social and environmental issues; and (b) CSA demonstration activities under Component 1 trigger OP4.01 (Environmental Assessment), OP4.09 (Pest Management), and OP4.12 (Involuntary Resettlement).</p> <p>OP4.01 is triggered as some negative and short-term construction impacts may result from rehabilitation and construction of small-scale on-farm infrastructure (such as farm roads and irrigation channels) financed by counterpart fund. The potential impacts (e.g. noise, air, wastewater, solid wastes etc.) will be short-term, temporary, limited and local in nature, and can be readily managed with cost effective mitigations measures.</p> <p>OP4.09 is triggered as the project will promote IPM practices as part of CSA demonstrations and will support the review and development of technical codes and standards related to applications of agricultural inputs (including pesticides). Implementation of the project promoted IPM practices will generate positive environmental and health impacts as such efforts will reduce the use of pesticides.</p> <p>OP4.12 is triggered as the small scale on-farm infrastructure construction may require limited land acquisition.</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>It is anticipated that successful implementation of this project will cause that climate smart and</p>

<p>sustainable crop production techniques demonstrated under the project will continue in the project area after project completion. Demonstrated positive social, economic and environmental benefits of these techniques will promote wider adoption and replication of these CSA techniques beyond the project area and thus promote sustainability of staple crop production in these areas.</p>
<p><b>3. Describe any project alternatives (if relevant) considered to help avoid or minimize adverse impacts.</b></p>
<p>Not applicable.</p>
<p><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>
<p>Environment Assessment (OP4.01). The client has engaged the Environmental Assessment Center of China Agricultural University to prepare the ECOPs for the project in accordance with the Bank's requirements. A set of ECOPs were prepared for existing farm road improvements, and rehabilitation of irrigation and drainage infrastructure, leveling of crop lands, installation of power lines and pumping stations, and tree planting around farm lands. The ECOPs will be included into the bidding documents and civil work contracts. ECOPs are prepared based on national norms, proven practices in other Bank financed projects and practices recommended in Environmental Health and Safety Guidelines of World Bank Group. They specify all aspects of environmental management issues during the entire project cycle, including but not limited to, site preparation, construction dust management, air pollution control, noise impact control, water pollution control, solid waste management, public and workers' health and safety, as well as public consultations on the environmental issues. It also includes the reporting and supervision arrangements for the project implementation. With proper implementation of the proposed mitigation measures, the potential adverse impacts will be avoided, eliminated entirely, minimize or mitigated to an acceptable level.</p> <p>Pest Management (OP4.09). The project will promote IPM practices at the project site and will support the review and development of technical codes and standards related to applications of agricultural inputs (including pesticides) for climate smart staple crop production. A PMP has been prepared for the production of rice, wheat and corn in the two project counties. It includes major pest issues, pesticide management methods, monitoring and evaluation activities, and capacity building for project stakeholders. It incorporates the existing good pest management practices from the project areas, outlines IPM based pest control and management methods, and recommends various application approaches under different conditions such as promoting IPM to reduce the use of toxic pesticides (e.g. improvement of pest forecasting, use of bait lamps, crops rotation, pest resistant varieties, and balanced fertilization), training and capacity building for local farmers and governmental agencies, introducing and promoting biological and botanical pesticides, and strengthening monitoring. It also provides a list of pesticides that may be used under the project in compliance with World Health Organization's recommended categories. Implementation of the training and monitoring programs was budgeted in the project cost.</p> <p>Involuntary Resettlement (OP4.12). A Resettlement Policy Framework (RPF) for the entire project was prepared by a team from China Agriculture University, covering detailed procedures on preparation, review and approval of potential land acquisition activities, institutional and financial arrangements, and a monitoring plan for resettlement implementation.</p> <p>MOA has obtained operational experience with Bank policies and procedures from its cooperation with the Bank on the Eco-farming Project (P096556). The MOA department in charge of preparation and implementation of this project has been working with UN agencies in</p>

implementing a GEF operation and an operation under the Montreal Protocol on Ozone Depleting Substances. However, the department has no prior experience with Bank operation. Training on Bank project management, including safeguards, has been provided to the department and its project management office during project preparation. Additional project management (including safeguards) will be provided under project implementation to improve the PMO's capacity to properly implement this project.

**5. Identify the key stakeholders and describe the mechanisms for consultation and disclosure on safeguard policies, with an emphasis on potentially affected people.**

Extensive public consultation was performed during the SA, RPF preparation and ECOP preparation processes. During the preparation of ECOPs, consultation, meetings and interviews were arranged with the project's key stakeholders of different genders, socioeconomic and educational backgrounds, social groups, and occupations. In total, about 404 people were consulted in the ECOPs Preparation process. Similarly, during the preparation of SA and RPF, expert consultations, questionnaire survey, meetings and interviews were conducted with the project's stakeholders of different gender, socioeconomic and educational backgrounds, social groups, and occupations. In total, 280 households were surveyed in the process. During these consultations, the project information was disclosed at project villages and government websites.

The majority of consulted stakeholders have expressed their strong support to the project. The ECOPs/SA/RPF have incorporated countermeasures to address the concerns of consulted stakeholders. Such countermeasures (for example, support to farmer field schools to align project training to the farmers' actual needs, support cropland leveling and transformers to improve irrigation efficiency) have been fully incorporated into the project design.

In accordance with the Bank's information disclosure policy, on April 24, 2014 the ECOPs and PMP were made available in the project areas and on the websites of the local government agencies, and are accessible at PMO and PMUs. The ECOPs, PMP, SA and RPF were disclosed at the World Bank InfoShop on May 8, 2014.

**B. Disclosure Requirements**

<b>Environmental Assessment/Audit/Management Plan/Other</b>	
Date of receipt by the Bank	10-Apr-2014
Date of submission to InfoShop	08-May-2014
For category A projects, date of distributing the Executive Summary of the EA to the Executive Directors	
"In country" Disclosure	
China	24-Apr-2014
<i>Comments:</i>	
<b>Resettlement Action Plan/Framework/Policy Process</b>	
Date of receipt by the Bank	11-Apr-2014
Date of submission to InfoShop	08-May-2014
"In country" Disclosure	
China	24-Apr-2014
<i>Comments:</i>	
<b>Pest Management Plan</b>	

Was the document disclosed prior to appraisal?	Yes
Date of receipt by the Bank	11-Apr-2014
Date of submission to InfoShop	08-May-2014
<b>"In country" Disclosure</b>	
China	24-Apr-2014
<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 [ <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"/> ]
<b>OP 4.09 - Pest Management</b>	
Does the EA adequately address the pest management issues?	Yes [ <input type="checkbox"/> ] No [ <input checked="" type="checkbox"/> ] NA [ <input type="checkbox"/> ]
Is a separate PMP required?	Yes [ <input checked="" type="checkbox"/> ] No [ <input type="checkbox"/> ] NA [ <input type="checkbox"/> ]
If yes, has the PMP been reviewed and approved by a safeguards specialist or PM? Are PMP requirements included in project design? If yes, does the project team include a Pest Management Specialist?	Yes [ <input checked="" type="checkbox"/> ] No [ <input type="checkbox"/> ] NA [ <input type="checkbox"/> ]
<b>OP/BP 4.12 - Involuntary Resettlement</b>	
Has a resettlement plan/abbreviated plan/policy framework/process framework (as appropriate) been prepared?	Yes [ <input checked="" type="checkbox"/> ] No [ <input type="checkbox"/> ] NA [ <input type="checkbox"/> ]
If yes, then did the Regional unit responsible for safeguards or Practice Manager review the plan?	Yes [ <input checked="" type="checkbox"/> ] No [ <input type="checkbox"/> ] NA [ <input type="checkbox"/> ]
<b>The World Bank Policy on Disclosure of Information</b>	
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"/> ]
<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 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:	Name: Jiang Ru	
<b><i>Approved By</i></b>		
Sector Manager:	Name: Iain G. Shuker (SM)	Date: 26-May-2014