



Integrated Modern Agriculture Development Project (P125496)

EAST ASIA AND PACIFIC | China | Agriculture and Food Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 14 | ARCHIVED on 25-Jun-2020 | ISR41841 |

Implementing Agencies: People's Republic of China, Center of Budget Evaluation

Key Dates

Key Project Dates

Bank Approval Date: 27-Dec-2013

Effectiveness Date: 21-May-2014

Planned Mid Term Review Date: 17-Apr-2017

Actual Mid-Term Review Date: 12-Apr-2017

Original Closing Date: 31-Dec-2019

Revised Closing Date: 31-Dec-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to develop sustainable and climate resilient agricultural production systems in selected areas of Gansu, Hunan, Jiangxi, and Liaoning provinces; Xinjiang Uygur Autonomous region; and Chongqing municipality.

This will be achieved by investing in (i) irrigated agriculture infrastructure improvement, (ii) enhanced climate smart agricultural practices, and (iii) institutional strengthening and capacity building.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name
Irrigated Agriculture Infrastructure Improvement:(Cost \$205.64 M)
Enhanced Climate-Smart Agricultural Practices:(Cost \$66.00 M)
Institutional Strengthening and Capacity Building:(Cost \$25.00 M)
Project Management Support:(Cost \$16.00 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

Based on available MIS data, up to December 2019, the project has achieved and surpassed most of the end of project targets. To date, the project implementation has made good progress across all the project components. The project investment completion rate increased from 90 percent in the last mission held in June 2019 to 95 percent in May 2020; and the disbursement rate of the IBRD loan increased from 77 percent to 92 percent, up by 5 and 15 percentage points, respectively.



Under Component 1 - Irrigated Agriculture Infrastructure Improvement, most of the irrigation and drainage infrastructure have been completed and are functional. A few Water Users Associations (WUA) have been formed to operate and maintain the infrastructure. In areas where the WUAs have not been formed the irrigation and drainage infrastructure were temporarily handed over to the village committees. Once formed, the WUAs would be responsible for the operation and maintenance of the irrigation and drainage infrastructure. Under Component 2 - Enhanced Climate-Smart Agricultural Practices, significant increase in productivity has been achieved. In Jiangxi, for example, rice yield in project area reached 6,560 kg/ha, which is 1,019kg/ha higher than non-project areas. The farmer's net income per person from crop production in project area reached RMB3,194, which is an increase of RMB183 from the baseline data. Although suffered from higher precipitation and floods the project farmers net income per person was RMB916 higher than farmers in non-project areas.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Macroeconomic	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Sector Strategies and Policies	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> High	<input type="checkbox"/> High
Stakeholders	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Other	--	--	<input type="checkbox"/> Low
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Results

PDO Indicators by Objectives / Outcomes

PDO indicators				
► Share of high-standard farmland in selected areas where at least two new sustainable or climate resilient practices/technologies promoted by the project have been adopted (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	67.71	69.72	70.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020



► Increase in water productivity for maize in LN province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.56	1.86	1.86	1.90
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in water productivity for maize in GS province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.32	1.52	0.00	1.56
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
► Increase in water productivity for wheat in XJ province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.25	1.56	1.56	1.56
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in water productivity for rice in JX province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.14	1.34	1.33	1.33
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in water productivity for rice in HN province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.18	1.36	1.36	1.30
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in water productivity for rice in CHQ province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.05	1.28	1.28	1.27
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020



► Increase in land productivity for maize crop for LN province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8,300.00	8,918.00	10,108.00	9,591.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in land productivity for maize crop in GS province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7,500.00	9,523.00	0.00	8,325.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
► Increase in land productivity for wheat crop in XJ province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,300.00	5,899.00	6,083.80	5,899.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in land productivity for rice crop in JX province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,850.00	6,629.00	6,560.00	6,558.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in land productivity for rice crop in HN province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,900.00	8,405.00	8,333.00	6,505.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Increase in land productivity for rice crop for CHQ province (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6,700.00	7,890.00	7,704.00	7,530.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

Intermediate Results Indicators by Components



Sub-component 1 Irrigated Agriculture Infrastructure Improvement				
▶ Sub-component 1: Overall irrigation water use efficiency -- LN province (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	56.00	68.00	68.00	70.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
▶ Sub-comp 1 Indicator 1: Overall irrigation water use efficiency -- GS province (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	46.00	55.00	0.00	58.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
▶ Sub-comp 1 Indicator 1: Overall irrigation water use efficiency -- XJ province (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	53.00	64.00	65.63	64.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
▶ Sub-comp 1 Indicator 1: Overall irrigation water use efficiency -- JX province (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	52.00	66.60	66.60	66.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2018 data will be available in next ISR.			
▶ Sub-comp1 Indicator 1: Overall irrigation water use efficiency -- HN province (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	52.00	65.78	65.83	65.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
▶ Sub-comp 1 Indicator 1: Overall irrigation water use efficiency -- CHQ Municipality (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	45.00	56.00	56.00	56.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Sub-comp 1 Indicator 2: Area provided with new/improved irrigation or drainage services (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2,633.37	90,063.14	92,838.88	98,031.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	This is a new indicator created during MTR, no historic completion data before the MTR. Nonetheless, there is a target for each year.			
► Sub-comp 1 Indicator 3 : Volume of groundwater extracted -- LN province (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6,188.00	5,649.00	0.00	5,380.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
► Sub-comp 1 Indicator 3: Volume of groundwater extracted -- GS province (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2,818.00	1,241.81	0.00	2,636.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
► Sub-comp 1 Indicator 3: Volume of groundwater extracted -- XJ province (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4,282.00	4,178.00	0.00	4,178.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
Comments:	2019 data is not available.			
► Sub-comp 1 Indicator 4: Farm roads constructed and rehabilitated (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,517.27	2,775.89	2,479.28



Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
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Sub-component 2 Enhanced Climate-Smart Agricultural Practices

► Sub-comp 2 Indicator 1: Increase in area of leveled land and improved soil physical conditions (tillage practices) (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	37,369.50	47,236.43	38,170.97
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

► Sub-comp 2 Indicator 2: Increase in area adopting balance fertilizations (include crop residues returned and organic fertilizers) (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	63,768.50	72,813.03	63,307.25
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

► Sub-comp 2 Indicator 3: Increase in area under IPM/Green/non polluted production (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	61,712.89	79,907.29	66,086.26
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

► Sub-comp 2 Indicator 4: Increase in area under shelter and agroforest plantation (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,007.12	1,949.02	2,216.80
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

Sub-component 3 Institutional Strengthening and Capacity Building

► Sub-comp 3 Indicator 1: Improved irrigated area devolved to WUA for Village Committee for O&M (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	31,393.50	36,638.60	44,817.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

► Sub-component 3 Indicator 2: number of WUA, FA, and FC (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	277.00	333.00	381.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Sub-comp 3 Indicator 2 - Number of WUAs supported and delivering services to members (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	119.00	135.00	151.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Sub-comp 3 Indicator 2 - Number of FAs supported and delivering services to members (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	20.00	21.00	29.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2018	31-Dec-2019
► Sub-comp 3 Indicator 2 - Number of FCs supported and delivering services to members (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	138.00	177.00	201.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Sub-comp 3 Indicator 3: Number of farmers who are members of farmer organizations (FAs/FCs/WUAs) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	29,000.00	33,218.00	50,657.00	47,680.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
□ In which: Female members (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7,601.00	5,344.00	14,428.00	14,018.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
► Sub-comp 3 Indicator 4: Farmers training (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	18,158.93	20,599.00	12,879.70



Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
▶ Sub-comp 3 Indicator 4 - Female training (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,840.52	8,348.00	4,879.00
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020
▶ Sub-comp 3 Indicator 4 - Ethnic minorities training (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,363.61	1,347.00	644.50
Date	27-Dec-2013	31-Dec-2018	31-Dec-2019	31-Dec-2020

Performance-Based Conditions

Data on Financial Performance

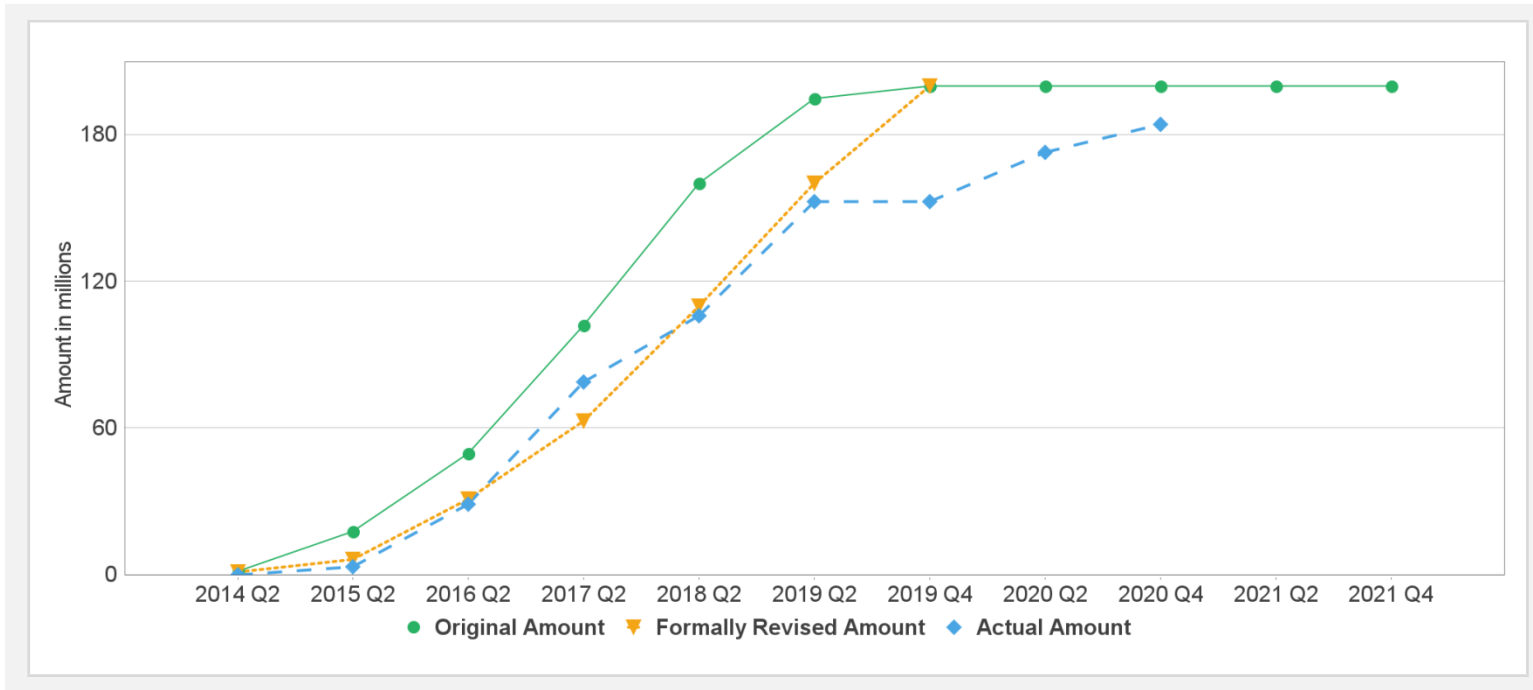
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P125496	IBRD-83210	Effective	USD	200.00	200.00	0.00	184.67	15.33	92%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P125496	IBRD-83210	Effective	27-Dec-2013	27-Feb-2014	21-May-2014	31-Dec-2019	31-Dec-2020

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

Level 2 Approved on 05-Dec-2017 ,Level 2 Approved on 21-May-2019 ,Level 2 Approved on 06-Nov-2019

Related Project(s)

There are no related projects.