



China Guangdong Agricultural Pollution Control (P127775)

EAST ASIA AND PACIFIC | China | Agriculture Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 12 | ARCHIVED on 21-May-2019 | ISR36192 |

Implementing Agencies: Department of Agriculture, Guangdong Province, THE PEOPLE'S REPUBLIC OF CHINA

Key Dates

Key Project Dates

Bank Approval Date: 27-Dec-2013

Effectiveness Date: 23-May-2014

Planned Mid Term Review Date: 23-Sep-2016

Actual Mid-Term Review Date: 28-Sep-2016

Original Closing Date: 31-Dec-2019

Revised Closing Date: 30-Jun-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The proposed development objective is to reduce water pollutant releases from crop and livestock production in selected areas of Guangdong Province.

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

No

Components

Name

Environmentally Friendly Crop Production:(Cost \$51.66 M)

Livestock Waste Management (LWM):(Cost \$125.80 M)

Monitoring and Evaluation (M&E), Capacity Development and Knowledge Management (KM):(Cost \$16.14 M)

Project Management:(Cost \$10.69 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● Moderate	● Moderate

Implementation Status and Key Decisions

This is an ISR prepared after the completion of the 10th project Implementation Support Mission, carried out from February 25 to March 6, 2019. The mission noted that the project implementation has made significant progress since last mission. By the end of 2018, the completion rate of project investments was 42%, a 14-percentage point (p.p.) increase over the previous mission while disbursements of the IBRD loan and GEF grant reached 57% and 69%, increases of 12 and 11 p.p. respectively.



Implementation of Component 1 has continued to make good progress. From 2014 to 2018, the total cumulative reduction of chemical fertilizers and pesticides were 33,000 tons and 699 tons, respectively. At the same time, average rice yield increased by 19%. These are impressive achievements, and as a result the project is being touted as a good practice example at the national level.

The conservation agriculture (CA) pilots under the GEF financing are gaining traction. The total area under CA in 2018 was 12,670 mu. Under Component 2, implementation progress on livestock waste management (LWM) systems has been accelerating and making important contributions to a number of project indicators. Based on the LWM component alone, the PDO level indicator "Mass of COD pollution load reduction achieved under the project" has reached 39,356 tons cumulatively, which is 87% of the end target (45,000 tons). The intermediate outcome target for phosphorus reduction has already exceeded the target by twice, and BOD reduction has nearly met the target. The next Implementation Support Mission is scheduled to take place in approximately six months.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● Moderate	● Moderate
Macroeconomic	--	● Moderate	● Moderate
Sector Strategies and Policies	--	● Low	● Low
Technical Design of Project or Program	--	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	--	● Moderate	● Moderate
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Moderate	● Moderate
Other	--	--	● Moderate
Overall	--	● Moderate	● Moderate

Results

PDO Indicators by Objectives / Outcomes

reduce water pollutant releases from crop and livestock production				
► Mass of COD pollution load reduction achieved under the project (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17,647.82	39,355.98	45,000.00
Date	01-May-2013	30-Jun-2018	31-Dec-2018	30-Jun-2021
► Nutrient load reduction (nitrogen- ammonia) achieved under the project (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	1,016.51	2,375.15	5,000.00
Date	01-May-2013	30-Jun-2018	31-Dec-2018	30-Jun-2021

Intermediate Results Indicators by Components

Environmentally Friendly Crop Production				
▶WHO Class II pesticide residue compliance rates (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	90.00	99.62	99.62	96.00
Date	01-May-2013	31-Dec-2017	31-Dec-2018	30-Jun-2021
Comments:	No updated data in this ISR.			
▶Crop production areas adopted project promoted practices (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	44,531.50	46,135.38	28,000.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021
▶Clients who have adopted an improved agr. technology promoted by the project (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	134,423.00	109,838.00	60,000.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021
▲Clients who adopted an improved agr. technology promoted by project – female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22,959.00	18,392.00	12,000.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021
▶Reduction in total consumption of pesticides in project areas (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	344.58	367.00	135.00
Date	01-May-2013	31-Dec-2017	31-Dec-2018	30-Jun-2021
Comments:	No updated data in this ISR.			



▶WHO Class I pesticide residue compliance rates (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	90.00	99.67	99.67	100.00
Date	01-May-2013	31-Dec-2017	31-Dec-2018	30-Jun-2021
Comments:	No updated data in this ISR.			
▶Phosphorus load reduction (TP) achieved under the project (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	256.15	584.41	250.00
Date	01-May-2013	30-Jun-2018	31-Dec-2018	30-Jun-2021
▶BOD load reduction achieved under the project (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,029.14	13,784.88	14,000.00
Date	01-May-2013	30-Jun-2018	31-Dec-2018	30-Jun-2021

Livestock Waste Management (LWM)				
▶Number of project supported pig farms in compliance of performance requirements (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	24.00	136.00	200.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021
▶Number of livestock waste management facilities constructed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	32.00	52.00	200.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021



Monitoring and Evaluation (M&E), Capacity Development and Knowledge Management (KM)				
▶Client days of training provided (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	19,105.00	55,914.00	36,000.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021



▲Client days of training provided - Female (number) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,370.00	7,370.00	7,000.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021
▶Number of policy studies completed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7.00	7.00	11.00
Date	01-May-2013	31-Oct-2018	31-Dec-2018	30-Jun-2021

Data on Financial Performance

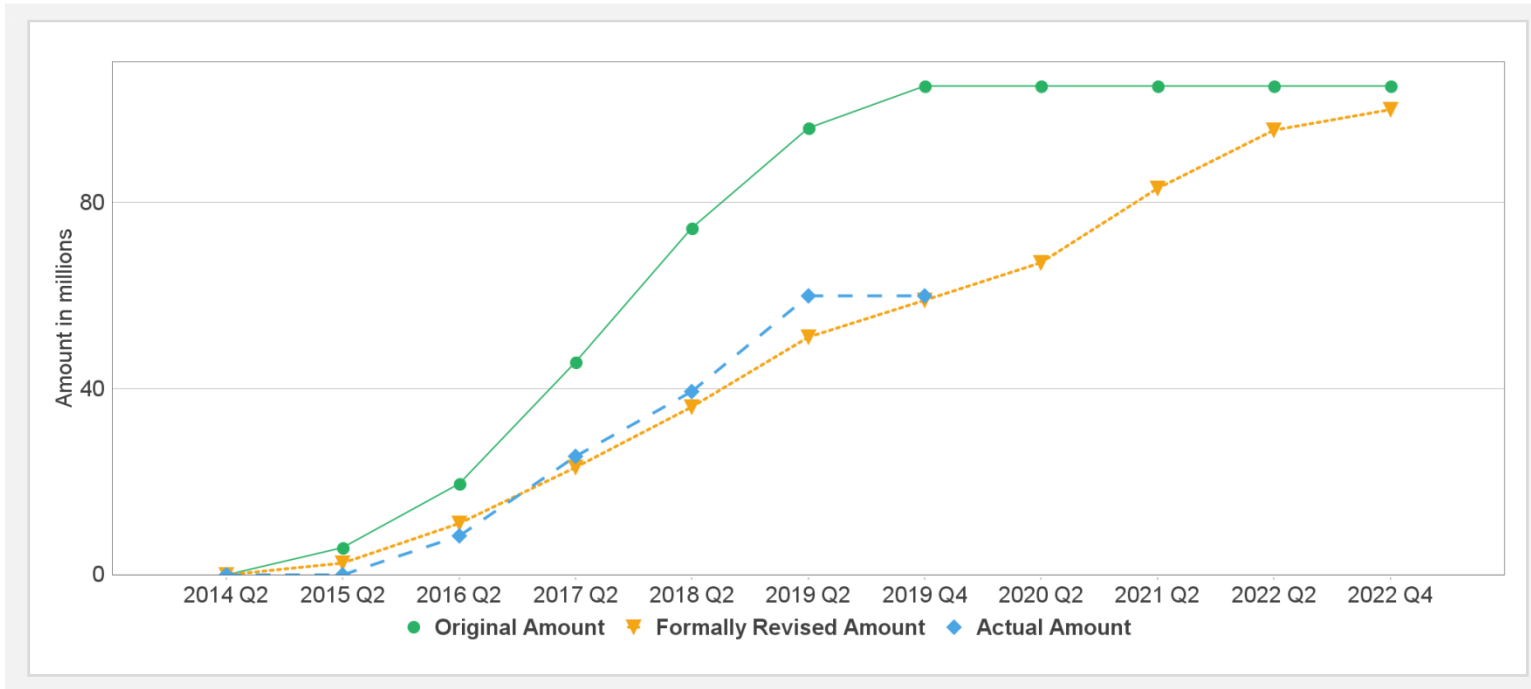
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P127775	IBRD-83110	Effective	USD	100.00	100.00	0.00	56.63	43.37	 57%
P127815	TF-15418	Effective	USD	5.10	5.10	0.00	3.50	1.60	 69%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P127775	IBRD-83110	Effective	27-Dec-2013	28-Feb-2014	23-May-2014	31-Dec-2019	30-Jun-2021
P127815	TF-15418	Effective	28-Feb-2014	28-Feb-2014	23-May-2014	31-Dec-2019	31-Dec-2019

Cumulative Disbursements



Restructuring History

Level 1 Approved on 06-Apr-2017

Related Project(s)

P127815-China Guangdong Agricultural Pollution Control