



Hebei Rural Renewable Energy Development Project (P132873)

EAST ASIA AND PACIFIC | China | Environment & Natural Resources Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 3 | ARCHIVED on 20-Jun-2016 | ISR24175 |

Implementing Agencies: Hebei Provincial Agriculture Department

Key Dates

Key Project Dates

Bank Approval Date:13-Mar-2015

Effectiveness Date:29-Jun-2015

Planned Mid Term Review Date:31-Dec-2017

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2020

Revised Closing Date:31-Dec-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to demonstrate sustainable biogas production and utilization to reduce environmental pollution and supply clean energy in rural areas of Hebei Province.

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

No

Components

Name

Large-scale biogas facilities management and renewable energy supply:(Cost \$132.10 M)

Technical support, project management and monitoring:(Cost \$5.80 M)

Overall Ratings

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

Implementation Status and Key Decisions



The project has become effective on June 29, 2015 and the project implementation has made certain progress over first year of the project implementation, with that the project technical expert team has been set up to provide technical guidance on biogas engineering technology application and standardize project design and management; trainings have been provided to the project staff and implementation entities; and the project preliminary designs have been prepared by all 5 subprojects. As the subproject design is innovative and experience in large scale biogas program management is limited in China, as well as due to internal government review process to subproject design is slow, the project progress is slower than expected at start stage. The project agencies agreed to continually provide intensive technical services and trainings to the project implementation companies and take actions to address the identified issues in particular the counterpart funding mobilization and PPMO capacity strengthening. It is reasonable to expect that the project will achieve its development objective.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● Low	● Low
Macroeconomic	--	● Low	● Low
Sector Strategies and Policies	--	● Moderate	● Moderate
Technical Design of Project or Program	--	● Moderate	● Moderate



Institutional Capacity for Implementation and Sustainability	--	● Substantial	● Substantial
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Moderate	● Moderate
Other	--	--	--
Overall	--	● Substantial	● Substantial

Results

Project Development Objective Indicators

► Amount of project-supplied biogas used by final users annually (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	42000000.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► CO2 emission reduction by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	58780.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► Number of rural resident households who can access biogas supply under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	96100.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

Overall Comments

Intermediate Results Indicators



▶ Annual generation capacity of renewable energy (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	42000000.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

▶ Cumulative length of main biogas distribution pipeline system establishment (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	320.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

▶ Cumulative Gas gate-stations established (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

▶ Crop residue treated by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	221700.00
Date	30-Jun-2014	30-Apr-2015	31-Dec-2015	31-Dec-2020



► Livestock manure treated by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	241600.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► CNG produced by the project annually (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7000000.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► Client days of training provided (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	81.00	165.00	1800.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

▲ Client days of training provided - Female (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25.00	40.00	630.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020



► M&E system put into operation (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	Y	Y
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► Cumulative Number of guidelines and regulations prepared and put into use (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	2.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

► Cumulative numbers of laboratory built at biogas plant level (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	30-Jun-2014	31-Oct-2015	31-Dec-2015	31-Dec-2020

Overall Comments

Data on Financial Performance

Disbursements (by loan)

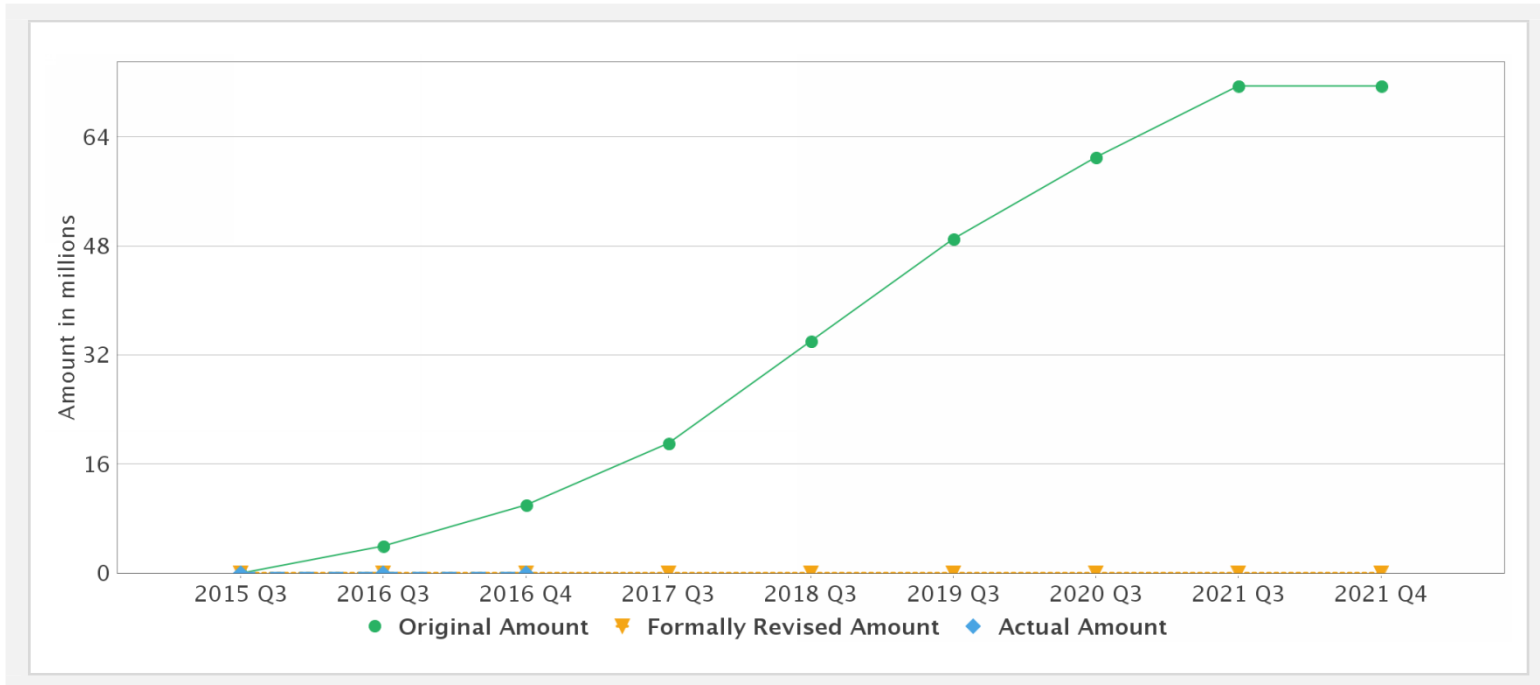
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P132873	IBRD-84760	Effective	USD	71.50	71.50	0.00	0.18	71.32	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P132873	IBRD-84760	Effective	13-Mar-2015	16-Apr-2015	29-Jun-2015	31-Dec-2020	31-Dec-2020



Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.