



GEF Mainstreaming Integrated Water and Environment Management (P145897)

EAST ASIA AND PACIFIC | China | Water Global Practice |
Global Environment Project | Investment Project Financing | FY 2016 | Seq No: 3 | ARCHIVED on 26-Dec-2017 | ISR30766 |

Implementing Agencies: The People's Republic of China, The Ministry of Water Resources (MWR), The Ministry of Environment Protection (MEP)

Key Dates

Key Project Dates

Bank Approval Date:09-May-2016

Effectiveness Date:27-Mar-2017

Planned Mid Term Review Date:02-Sep-2019

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2021

Revised Closing Date:31-Dec-2021

Global Development Objectives

Global Environmental Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to increase water productivity and reduce pollution discharges in the project areas to mainstream and scale up an innovative approach to integrated water and environmental management in the three river basins entering the Bohai Sea. The PDO will be achieved through: (a) increasing irrigation water use efficiency and all other ways possible to effectively use water under a cap of water consumption; (b) reducing water pollution discharges under a cap of environment capacity and (c) increasing ecological river flows. The above measures will minimize the negative impacts on the ecosystem of Bohai Sea, contributing to the achievement of global environmental benefits (GEBs).

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?

No

Components

Name
Component 1: Mainstreaming of Innovative Approach on Integrated Water and Environment Management:(Cost \$3.45 M)
Component 2: Demonstration in Hai Basin on Integrated Water and Environment Management:(Cost \$90.10 M)
Component 3: Scaling up the Integrated Water and Environment Management Approach in Three River Basins:(Cost \$7.30 M)
Component 4: Institutional Capacity Building and Project Management:(Cost \$3.65 M)

Overall Ratings

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



Implementation Status and Key Decisions

The project was effective on March 27, 2017 and launched on April 28, 2017. The project is now in the initial stage for project implementation. The Terms of Reference are now under preparation and finalization for the studies to be financed under this project.

Risks

Systematic Operations Risk-rating Tool

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

Results

Global Environmental Objective Indicators

► Policy Recommendations made under the project incorporated into the policies on water consumption control issued by MWR (measuring unit: the number of policies issued and implemented).(Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021



▲ Policy Recommendations made under the project incorporated into the policies on water consumption control issued by MEP (measuring unit: the number of policies issued and implemented).(Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▶ Water pollution discharged into the Hutuo and Luan Rivers reduced in the two demonstration areas Chengde and Shijiazhuang (measuring unit: tons of COD)(Metric tons/year, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8,074.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▲ Water pollution discharged into the Hutuo and Luan Rivers reduced in the two demonstration areas Chengde and Shijiazhuang (measuring unit: tons of NH3-N).(Metric tons/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	547.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2017

▲ Water pollution discharged into the Hutuo and Luan Rivers reduced in the two demonstration areas Chengde and Shijiazhuang (measuring unit: tons of TN).(Metric tons/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	670.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021



▲ Water pollution discharged into the Hutuo and Luan Rivers reduced in the two demonstration areas Chengde and Shijiazhuang (measuring unit: tons of TP).(Metric tons/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	85.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▶ Water productivity increased in two demonstration rural areas Gaocheng and Jinzhou (measuring unit: kg of grain production per/m3).(Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.10	1.10	1.10	1.26
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▲ Water productivity increased in scaling-up areas in Shijin irrigation areas (measuring unit: kg of grain production /m3)(Cubic Meter(m3), Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.19	0.00	0.00	1.29
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▲ Water productivity increased in scaling-up areas in Hetao irrigation areas (measuring unit: kg of grain production /m3)(Cubic Meter(m3), Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.10	0.00	0.00	1.26
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021



► Reductions achieved in overdraft of groundwater in 2 demonstration sites in Hai River Basin (Gaocheng and Jinzhou) (measuring unit: million m³/year).(Cubic meters/year, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	72.93
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

► IWEMP approach demonstrated and scaled up to cover the MWR defined problem areas in 3 river basins (measuring unit: km²)(Square kilometer(km²), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	28,420.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

▲ IWEMP approach demonstrated and scaled up to cover the MEP defined problem areas in 3 river basins (measuring unit: km²)(Square kilometer(km²), Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	125,380.00
Date	30-Jan-2017	18-Jun-2017	18-Jun-2017	30-Jun-2021

Overall Comments

Intermediate Results Indicators



► All study reports prepared and completed as planned with good quality (measuring unit: the number of study reports prepared, revised and completed with good quality) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▲ All study reports prepared and completed as planned with good quality (measuring unit: the number of study report prepared, revised and completed with good quality) (Government Financed) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► Operational manuals/guidelines completed and accepted with good quality (measuring unit: the number of operational manuals prepared, revised and completed with good quality) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► All study reports prepared and completed as planned with good quality (measuring unit: the number of study reports prepared, revised and completed with good quality) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021



▲ All study reports prepared and completed as planned with good quality (measuring unit: the number of study reports prepared, revised and completed with good quality) (Government Financed) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ RS/ET/EC-based TVAPs prepared and implemented with good quality for Luan sub-river basin and Hutuo sub-river basin, respectively (TVAP GEF Financed). (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▲ RS/ET/EC-based the IWEMPs prepared and implemented for Chengde Municipal City and Shijazhuang Municipal City and extension plans prepared for scaling-up areas (the IWEMP, MTR and ICR GEF Financed) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Capacity building for citizen engagement in preparation of TVAPs and IWEMPs - Channels are institutionalized for citizens to engage with government agencies and other stakeholders. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021



▶ Women participation to increase water productivity and reduce water pollution through WUAs during IWEMP implementation (measuring unit: increased percentage of female membership in the WUAs) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	30.00	30.00	50.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Construction of 3 small wastewater treatment plants and pipelines, 2 in Chengde County and 1 in Kuancheng County with good quality in demonstration areas as planned (Wastewater pollution-N) (Tones/year, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,136.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Construction of 3 small wastewater treatment plants and pipelines, 2 in Chengde County and 1 in Kuancheng County with good quality in demonstration areas as planned (Wastewater pollution-P) (Tones/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	303.60
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Construction of 3 small wastewater treatment plants and pipelines, 2 in Chengde County and 1 in Kuancheng County with good quality in demonstration areas as planned (Wastewater pollution-BOD) (Tones/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,796.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021



► Improved irrigation technologies applied in 2 demonstration counties in Shijiazhuang Municipal City (measuring unit: No. of hectares of irrigated areas applied with improved irrigation technologies) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2,660.00	0.00	2,660.00	13,300.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► All study reports prepared and completed as planned with good quality (measuring unit: the number of study reports prepared, revised and completed with good quality) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▲ All study reports prepared and completed as planned with good quality (measuring unit: the number of study reports prepared, revised and completed with good quality) (Government Financed) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► National Water Environment Technology Extension Platform established at the MEP (measuring unit: percentage of software development and study progress completed with good quality) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021



▶ National ET Monitoring and Management Platform established at the MWR (measuring unit: percentage of software development and study progress completed with good quality) (GEF Financed) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Annual scaling-up activities carried out and inspection and assessment reports prepared and completed for the up-scaling areas for MEP (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Annual scaling-up activities carried out and inspection and assessment reports prepared and completed for the up-scaling areas for the MWR (GEF Financed) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

▶ Establishment of project website according to IW: LEARN guidelines: (measuring unit: functioning website with the number of hits recorded by site) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021



► Preparation of project-related experience notes (2) and one results note (1) for IW: LEARN portal: (measuring unit: completed documents) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► Establishment and made operational project monitoring and evaluation (M&E) system: (measuring unit: functioning M&E system capable to generate semi-annual M&E reports) (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	1.00	1.00	10.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► Female staff and specialists participation in the project workshops and training at the central, provincial, municipal and county levels (increased % of female staff & specialists of the total number) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	30.00	30.00	40.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

► Cooperation Framework Agreement reached to facilitate the development and implementation of TVAP/IWEMP between the respective administrative units responsible for environment and water at all levels. (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021




► Coordination meetings between the respective administrative units to support the implementation of the framework agreements at the three levels on an annual basis (GEF Financed) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.00	4.00	4.00	24.00
Date	30-Jan-2017	18-Jun-2017	20-Dec-2017	30-Jun-2021

Overall Comments

Data on Financial Performance

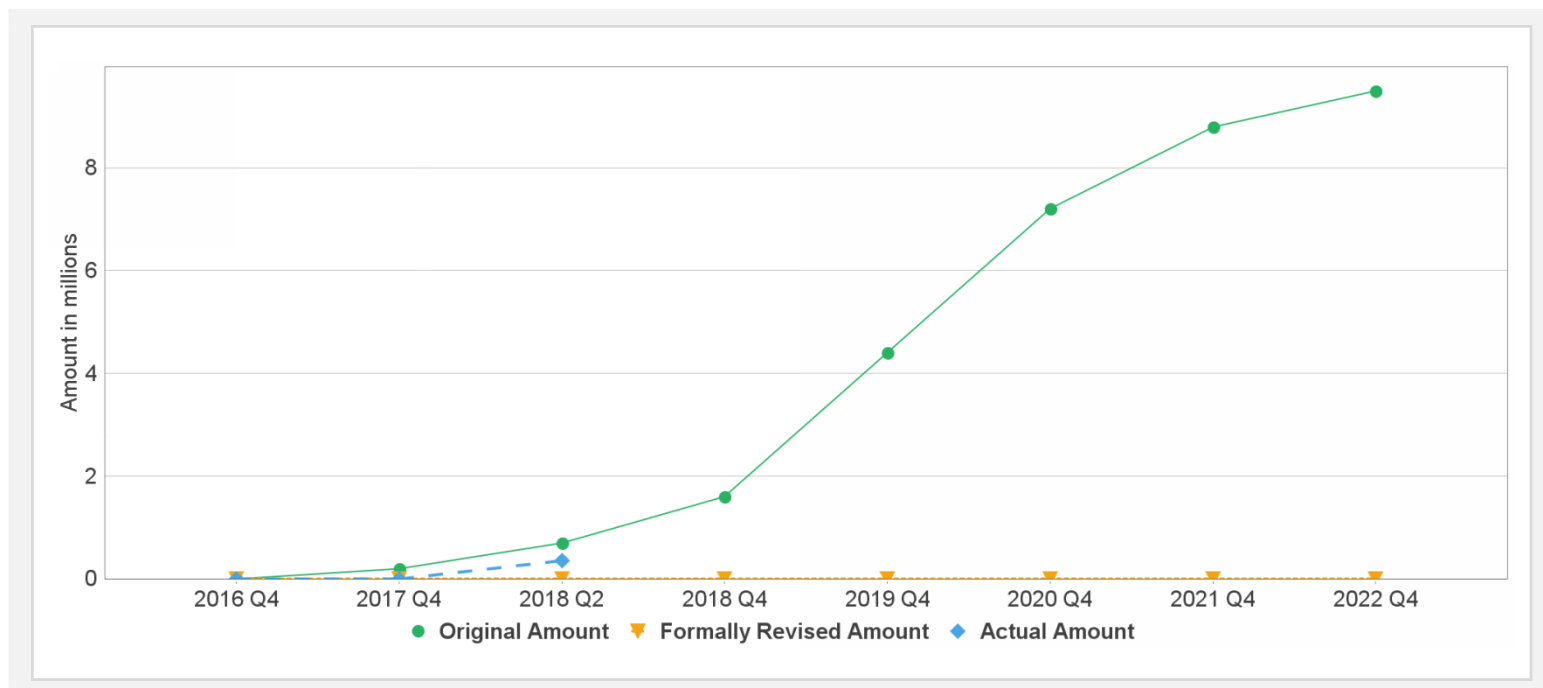
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P145897	TF-A2428	Effective	USD	9.50	9.50	0.00	0.35	9.15	 4%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P145897	TF-A2428	Effective	29-Sep-2016	29-Sep-2016	27-Mar-2017	31-Dec-2021	31-Dec-2021

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.