



## China Plastic Waste Reduction Project (Shaanxi) (P176989)

EAST ASIA AND PACIFIC | China | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2023 | Seq No: 2 | ARCHIVED on 19-Dec-2023 | ISR58976 |

Implementing Agencies: People's Republic of China, Provincial Development and Reform Commission

### Key Dates

#### Key Project Dates

Bank Approval Date: 23-Mar-2023

Effectiveness Date: --

Planned Mid Term Review Date: 30-Jun-2026

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2029

Revised Closing Date: 31-Dec-2029

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To reduce plastic pollution from municipal solid waste in selected under-served rural areas of Shaanxi Province, improve provincial plastic waste management, and draw lessons on plastic waste management relevant at the national level.

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

No

### Components Table

Name

Component 1: Institutional Strengthening and Capacity Building:(Cost \$11.00 M)

Component 2: Municipal Solid Waste Management Improvement and Agricultural Plastic Waste Management

Pilot:(Cost \$326.00 M)

Component 3: Project Management, Monitoring and Evaluation:(Cost \$3.00 M)

### Overall Ratings

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

### Implementation Status and Key Decisions

The project was approved by the World Bank's Board of Executive Directors on March 23, 2023. The loan and project agreements were signed in July 2023. The project is not effective yet. All PMOs and PIUs are staffed and ready to implement the project. The project launch and training took place on Sept 25, 2023. Implementation activities are under preparation including procurement planning, finalization of relevant terms of reference, recruitment of environmental and social staff, and preparation of environmental and social documents for the first batch activities.



**Risks**

**Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Low	Low	Low
Macroeconomic	Low	Low	Low
Sector Strategies and Policies	Moderate	Moderate	Moderate
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	High	High	High
Stakeholders	Moderate	Moderate	Moderate
Other	--	--	--
Overall	Substantial	Substantial	Substantial

**Results**

**PDO Indicators by Objectives / Outcomes**

Reduce plastic pollution from MSW in selected under-served rural areas of Shaanxi province				
▶ A. Reduced leakage of plastics to the environment from improved waste management operations (Metric tons/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	38,400.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Calculated by multiplying the increased MSW that is collected and properly disposed by 12% plastic composition plus the increase of agricultural plastic film collected and delivered to county MSW facilities. Baseline: 88,565t/year MSW reach proper treatment and disposal; Zero [0] t/y of agricultural plastic film reach proper treatment and disposal.			
▶ B. Safe disposal ratio of municipal solid waste (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	15.00	15.00	76.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029



Comments:	MSW originating from rural areas treated and disposed in county/district treatment facilities as percentage of total collected MSW			
<b>► C. GHG emissions reduction from improved waste management systems including resource recycling/recovery (Metric tons CO2e/year) (Metric tons/year, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	330,000.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	GHG emission abatement based on tonnage of MSW diverted from dumping, landfilling, organic waste processed and recyclables delivered to sorting enterprises for further processing.			

<b>Improve provincial plastic waste management</b>				
<b>► D. Strengthened provincial regulations and institutional measures for plastic waste management (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	1=one intermediate indicator 1 to 5 achieved; 2= two intermediate indicators 1 to 5 achieved, etc. Achievement of 4 out of 5 intermediate indicators will demonstrate strengthened plastic waste management.			

<b>Draw lessons from plastic waste management at the national level</b>				
<b>► E. Urban-rural integrated model for municipal solid waste service developed by Shaanxi and disseminated to national agencies (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	28-Mar-2022	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Report by Shaanxi for demonstration purposes that describes the urban-rural integrated waste service model that include financing, institutional arrangements and governance, and performance evaluation - developed and disseminated to NDRC, MOHURD, MARA.			

### Intermediate Results Indicators by Components

<b>Component 1 - Institutional Strengthening and Capacity Building</b>				
<b>► 1. Shaanxi provincial inter-departmental coordination mechanism governing urban-rural SWM integration established and operational (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	23-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Shaanxi province inter-departmental collaboration mechanism including the env. sanitation, rural and agricultural and finance and commerce bureaus.			
<b>► 2. Shaanxi province technical standards and guidelines for urban-rural waste management as well as local policy and technical guidance for rural waste separation developed and adopted (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Per indicator name			
<b>► 3. Integrated urban-rural SWM information platforms established and operational in project counties/districts (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Information platform that captures data related to MSW and plastics.			
<b>► 4. KPIs and the related monitoring processes related to rural waste collection and transportation developed and adopted (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	KPIs for performance related to MSW and agricultural plastic waste, cascaded to administrative levels of i.e. village, town, and county/district.			
<b>► 5. Action plan adopted for effective transition to standard plastic film (thicker than 0.01mm) (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Provincial action plan that includes enforcement provisions to phase out plastic film thinner than 0.01mm			
<b>► 6. Consultations and knowledge exchange events between Shaanxi and central agencies on urban-rural integration in MSWM (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029



Comments: Annual round-table meetings and thematic seminars, facilitated by Shaanxi's DRC, with central agencies on urban-rural integration

**Component 2 - MSWM Improvement and Agricultural Plastic Waste Pilot**

**► 7. Coverage of integrated MSW service in rural areas (Percentage, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	10.00	10.00	72.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Percentage of villages in the participating counties/districts covered by the project under the urban-rural integration model.			

**► 8. Number of landfills (open dumpsites) closed (Number, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Partial or full closure of sanitary landfills and full closure of dumpsites			

**► 9. Rehabilitated, expanded or newly constructed transfer stations and sorting lines (Number, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Newly constructed, upgraded or expanded transfer stations and sorting lines			

**► 10. Increased farmland using agricultural plastic film with thickness of 0.01mm or above (Percentage, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	68.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Increase in farmland area covered by thicker plastic film as a percentage of all farm area in the participating counties that uses plastic film (thicker than 0.01mm). Baseline: zero			

**► 11. Increase in agricultural plastic film waste collected and safely disposed based on the Performance-based Incentive Financing mechanism (Percentage, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00



Date	31-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	The amount of agriculture plastic film collected and disposed in county/district treatment facilities as a percentage of all agriculture plastic film used in the participating counties. Baseline: zero			

#### Corporate Indicators

##### ► 12. Residents satisfaction rate of MSWM service of which women (Percentage) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	28.00	28.00	28.00	83.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Weighted average percentage of project counties/districts, captured by beneficiary surveys. Baseline based on survey by Shaanxi province in August 2022.			

##### ► 13. Share of new jobs created in the SWM sector in project counties/districts of which women (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
Date	28-Mar-2023	25-May-2023	30-Nov-2023	31-Dec-2029
Comments:	Per indicator name			

### Performance-Based Conditions

#### Data on Financial Performance

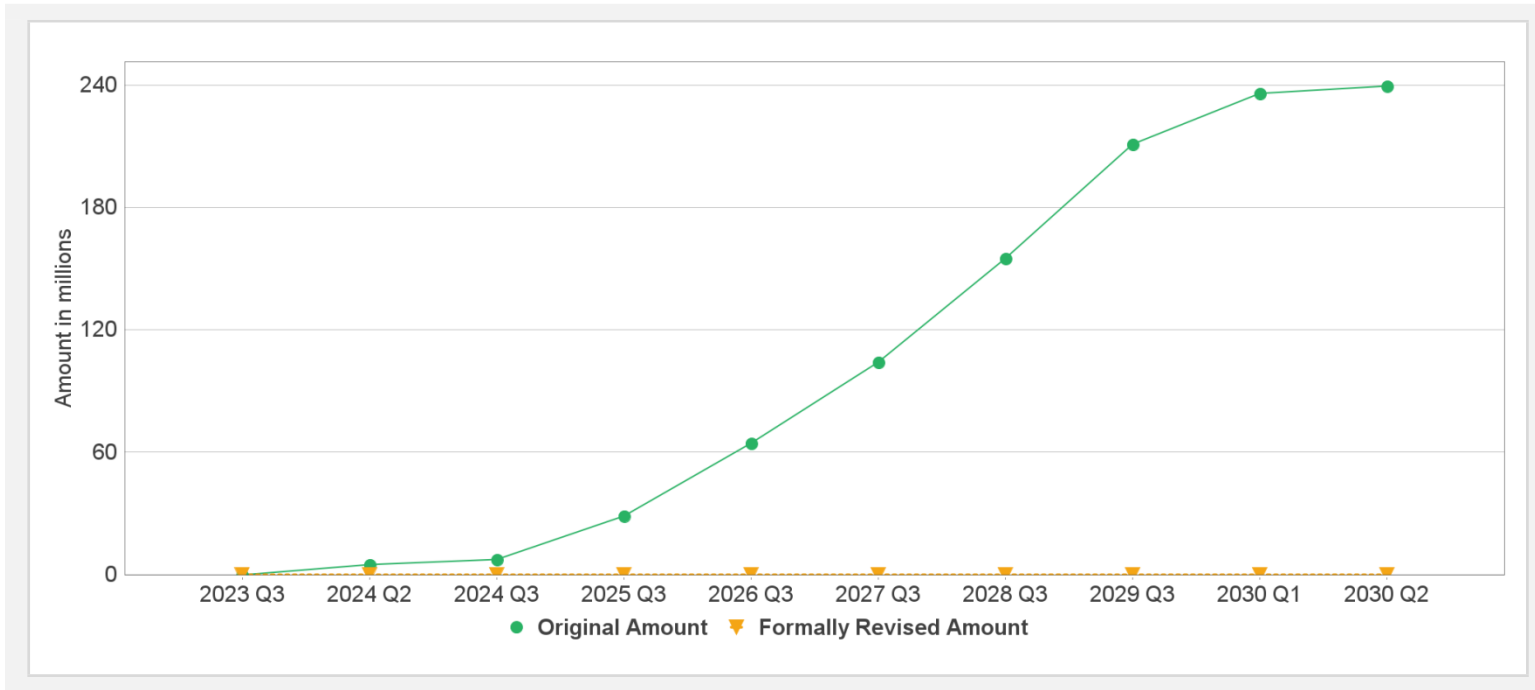
##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P176989	IBRD-94700	Not Effective	USD	250.00	250.00	0.00	0.00	250.00	0%

##### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P176989	IBRD-94700	Not Effective	23-Mar-2023	20-Jul-2023	--	31-Dec-2029	31-Dec-2029

### Cumulative Disbursements



### Restructuring History

There has been no restructuring to date.

### Related Project(s)

There are no related projects.