



China Plastic Waste Reduction Project (Shaanxi) (P176989)

EAST ASIA AND PACIFIC | China | IBRD/IDA | Investment Project Financing (IPF) | FY 2023 | Seq No: 3 | Archived on 05-Jun-2024 | ISR00375

Implementing Agencies: Provincial Development and Reform Commission

1. OBJECTIVE**1.1 Development Objective**

Original Development Objective (Approved as part of Approval package on 22-Mar-2023)

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

No

2. COMPONENTS

Name

Component 1: Institutional Strengthening and Capacity Building:(Cost 11,000,000.00)

Component 2: Municipal Solid Waste Management Improvement and Agricultural Plastic Waste Management Pilot:(Cost 326,000,000.00)

Component 3: Project Management, Monitoring and Evaluation:(Cost 3,000,000.00)

3. OVERALL RATINGS

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

4. KEY ISSUES & STATUS



4.1 Implementation Status and Key Decisions

The project was approved by the World Bank's Board of Executive Directors on March 23, 2023, followed by the signing of loan and project agreements in July 2023. The project became effective on February 19, 2024.

The Provincial PMO has since been working with provincial and local finance bureaus on the signing of various on-lending agreements between the Ministry of Finance (MoF) and the provincial government, as well as between the provincial government and each of the local governments of project counties and districts. Initial disbursement needs to be processed right after the signing of the on-lending agreements.

The procurement of all Batch 1 activities, encompassing sub-projects in four counties/districts, is expected to be completed in the fourth quarter of 2024. The governments are preparing all the remaining activities under Batch 2 aiming to finalize preparation documents, including engineering designs and environmental and social assessment documents by the end of August 2024.

The first bi-annual implementation report will be submitted to the World Bank by the end of September 2024.

5. SYSTEMATIC OPERATIONS RISK-RATING TOOL

Risk Category	Rating at Approval Approval Package - 23 Mar 2023	Last Approved Rating ISR Seq. 02 - 19 Dec 2023	Proposed 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
Overall	● Substantial	● Substantial	● Substantial



6. RESULTS

6.1 PDO Indicators by PDO Outcomes

Reduce plastic pollution from MSW in selected under-served rural areas of Shaanxi province								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
A. Reduced leakage of plastics to the environment from improved waste management operations (Metric tons/year)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	38,400.00	Dec/2029
	Comments on achieving targets		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)	15.00	Mar/2023	15.00	14-May-2024	15.00	14-May-2024	76.00	Dec/2029
	Comments on achieving targets		MSW originating from rural areas treated and disposed in county/district treatment facilities as percentage of total collected MSW					
C. GHG emissions reduction from improved waste management systems including resource recycling/recovery (Metric tons CO2e/year) (Metric tons/year)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	330,000.00	Dec/2029
	Comments on achieving targets		GHG emission abatement based on tonnage of MSW diverted from dumping, landfilling, organic waste processed and recyclables delivered to sorting enterprises for further processing.					
Improve provincial plastic waste management								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	5.00	Dec/2029



D. Strengthened provincial regulations and institutional measures for plastic waste management (Number)	Comments on achieving targets	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.						
Draw lessons from plastic waste management at the national level								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
E. Urban-rural integrated model for municipal solid waste service developed by Shaanxi and disseminated to national agencies (Yes/No)	No	Mar/2022	No	30-Nov-2023			Yes	Dec/2029
	Comments on achieving targets		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.					

6.2 Intermediate Results Indicators by Components

Component 1: Institutional Strengthening and Capacity Building								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
1. Shaanxi provincial inter-departmental coordination mechanism governing urban-rural SWM integration established and operational (Yes/No)	No	Mar/2023	No	14-May-2024	No	14-May-2024	Yes	Dec/2029
	Comments on achieving targets		Shaanxi province inter-departmental collaboration mechanism including the env. sanitation, rural and agricultural and finance and commerce bureaus.					
2. Shaanxi province technical standards and guidelines for urban-rural waste management as well as local	No	Mar/2023	No	14-May-2024	No	14-May-2024	Yes	Dec/2029
	Comments on achieving targets		Per indicator name					



policy and technical guidance for rural waste separation developed and adopted (Yes/No)								
3. Integrated urban-rural SWM information platforms established and operational in project counties/districts (Yes/No)	No	Mar/2023	No	30-Nov-2023			Yes	Dec/2029
	Comments on achieving targets		Information platform that captures data related to MSW and plastics.					
4. KPIs and the related monitoring processes related to rural waste collection and transportation developed and adopted (Yes/No)	No	Mar/2023	No	30-Nov-2023			Yes	Dec/2029
	Comments on achieving targets		KPIs for performance related to MSW and agricultural plastic waste, cascaded to administrative levels of i.e. village, town, and county/district.					
5. Action plan adopted for effective transition to standard plastic film (thicker than 0.01mm) (Yes/No)	No	Mar/2023	No	14-May-2024	No	14-May-2024	Yes	Dec/2029
	Comments on achieving targets		Provincial action plan that includes enforcement provisions to phase out plastic film thinner than 0.01mm					
6. Consultations and knowledge exchange events between Shaanxi and central agencies on urban-rural integration in MSWM (Number)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	6.00	Dec/2029
	Comments on achieving targets		Annual round-table meetings and thematic seminars, facilitated by Shaanxi's DRC, with central agencies on urban-rural integration					
Component 2: Municipal Solid Waste Management Improvement and Agricultural Plastic Waste Management Pilot								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
7. Coverage of integrated MSW service in rural areas (Percentage)	10.00	Mar/2023	10.00	30-Nov-2023			72.00	Dec/2029
	Comments on achieving targets		Percentage of villages in the participating counties/districts covered by the project under the urban-rural integration model.					

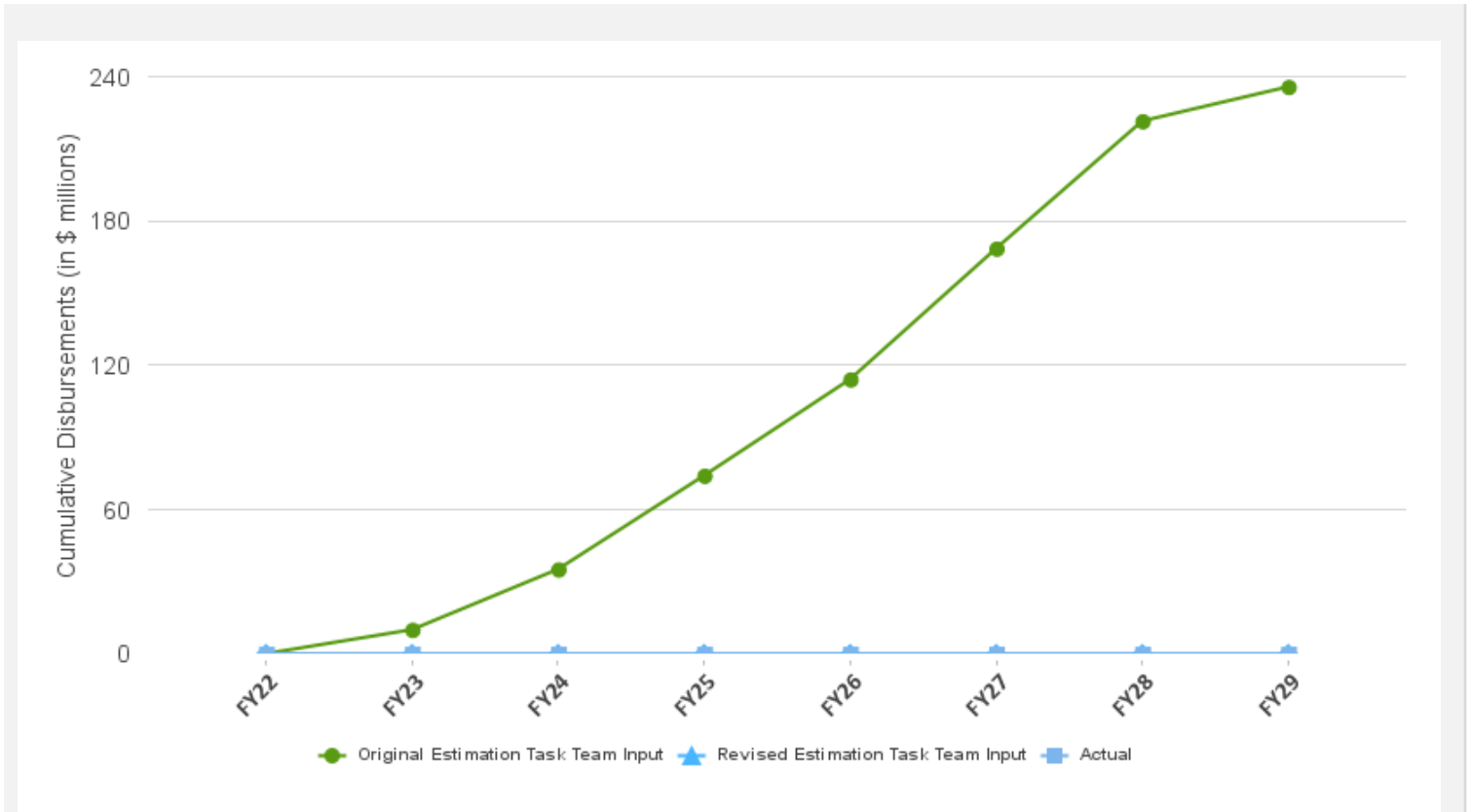


8. Number of landfills (open dumpsites) closed (Number)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	6.00	Dec/2029
	Comments on achieving targets		Partial or full closure of sanitary landfills and full closure of dumpsites					
9. Rehabilitated, expanded or newly constructed transfer stations and sorting lines (Number)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	70.00	Dec/2029
	Comments on achieving targets		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)	0.00	Mar/2023	0.00	30-Nov-2023			68.00	Dec/2029
	Comments on achieving targets		Increase in farmland area covered by thicker plastic film as a percentage of all farm area in the participating counties that uses plastic film (ticker 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)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	75.00	Dec/2029
	Comments on achieving targets		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					
Component 3: Project Management, Monitoring and Evaluation								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
12. Residents satisfaction rate of MSWM service of which women (Percentage) (Percentage)	28.00	Mar/2023	28.00	14-May-2024	28.00	14-May-2024	83.00	Dec/2029
	Comments on achieving targets		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)	0.00	Mar/2023	0.00	14-May-2024	0.00	14-May-2024	45.00	Dec/2029
	Comments on achieving targets		Per indicator name					



7. DATA ON FINANCIAL PERFORMANCE

7.1 Cumulative Disbursements



7.2 Disbursements (by loan)

Loan/Credit/TF	Status	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
IBRD-94700	Effective	250.00	250.00	0.00	0.00	250.00	0%

7.3 Key Dates (by loan)

Loan/Credit/TF	Status	Approval	Signing	Effectiveness	Orig. Closing	Rev. Closing
IBRD-94700	Effective	23-Mar-2023	20-Jul-2023	19-Feb-2024	31-Dec-2029	31-Dec-2029

8. KEY DATES



Key Events	Planned	Actual
Approval	23-Mar-2023	23-Mar-2023
Effectiveness	19-Feb-2024	19-Feb-2024
Mid-Term Review No. 01	30-Jun-2026	
Operation Closing/Cancellation	31-Dec-2029	

9. RESTRUCTURING HISTORY

10. ASSOCIATED OPERATION(S)

There are no associated operations