

## Project Implementation Monitoring Report (#3)

Reporting Period From 2023/11 To 2024/03

## China : Henan Flood Emergency Rehabilitation and Recovery Project

## 1. Project Information

Project ID:	P000543	Instrument ID:	L0543A
Member:	China	Region:	Eastern Asia
Sector:	Water	Sub-sector:	Water disaster resilience
Instrument type:	<input checked="" type="checkbox"/> Loan:865.00 Euro million <input type="checkbox"/> Guarantee	Lead Co-financier (s):	
ES category:	A	Borrowing Entity:	Ministry of Finance, China
Implementing Entity:	People's Government of Henan Province		
Project Team Leader:	Jianshi Yao		
Responsible DG:	Gregory Liu		
Responsible Department:	INF2		
Project Team Members:	<p>Nat Pinnoi, Economist; Siyang Wang, Team Member; Liu Yang, Project Counsel; Yunlong Liu, OSD - Procurement Specialist; Yi Geng, OSD - Financial Management Specialist; Chongwu Sun, OSD - Environment Specialist; Bo Shi, OSD - Procurement Specialist; Parthapriya Ghosh, OSD - Social Development Specialist; Jingjing Zhao, Back-up PTL; Yanyang Shi, Project admin</p>		
Completed Site Visits by AIIB:	<p>Aug, 2022 project launch mission to support the project implementation in all aspects including technical, financial management, environmental and social management, procurement among others</p> <p>Feb, 2023 In-person monitoring mission to site projects in Henan Province. Review of procurement, environmental, social and implementation aspects of the Project.</p> <p>Jun, 2023 Project mid-term review mission to support and review the project implementation in all aspects including technical, financial management, environmental and social management, procurement among others; and to discuss with Henan PPMO and three Municipal PMOs about potential changes of project activities to utilize the cost savings as per the governments' demand.</p> <p>Mar, 2024 Project implementation support mission to evaluate the project progress and the results achieved, and support the launch of implementation of new subprojects that were approved in the Project Change.</p>		
Planned Site Visits by AIIB:	<p>Jul, 2024 Planned Project Implementation Support Mission</p>		
Current Red Flags Assigned:	0		
Current Monitoring Regime:	Regular Monitoring		
Previous Red Flags Assigned:	0		
Previous Red Flags	2023/10		

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Assigned Date:

**2. Project Summary and Objectives**

This Project is an emergency operation in response to the urgent need of the Government of Henan Province for post-flood disaster recovery and reconstruction. The Project supports the post-disaster rehabilitation and recovery in the municipalities of Zhengzhou, Xinxiang and Jiaozuo of Henan Province, and strengthens the capacity of the three municipalities in integrated flood disaster risk management and flood emergency response. Interventions will focus on rehabilitation and reconstruction of damaged infrastructure while the long-term sustainability and climate resilience are taken into account. The Project will support post-disaster recovery in the sectors of water resources and flood management, urban, and transport, which are critical to social and economic recovery of the project municipalities and the province.

The Project covers activities in the following areas: 1) water and flood management interventions such as river dredging, dike rehabilitation and strengthening; 2) urban infrastructure rehabilitation and improvement including urban river flood management, drainage and sewerage systems, as well as public transport systems; and 3) transport infrastructure, mainly rehabilitation and reconstruction of urban and rural roads. The Project will also support the development and strengthening of flood emergency response management systems and capacity building, and support project management in the three project municipalities.

As an emergency project, a framework approach was adopted for overall project design while a list of project activities consistent with the framework were proposed by the government based on the agreed sub-project selection criteria. The individual investment interventions, or sub-projects, selected during the preparation stage have been further screened and appraised during project implementation. A Project Implementation Manual (PIM), acceptable to AIIB, to guide the project implementation in all aspects, has been developed and are being used by each project municipality.

**3. Key Dates**

Approval:	Nov. 25, 2021	Signing:	May. 16, 2022
Effective:	Aug. 12, 2022	Restructured (if any):	
Orig. Closing:	Jun. 30, 2026	Rev. Closing (if any):	

**4. Disbursement Summary (EUR million)**

Contract Awarded:		Cancellation (if any):	0.00
Disbursed:	390.83	Latest disbursement (amount/date):	40.40/Nov. 24, 2023
Undisbursed:	474.17	Disbursement Ratio (%) <sup>1</sup> :	45.18

**5. Project Implementation Update**

The Project has made good progresses and completed Mid-term review in June 2023, which was deemed satisfactory to the Bank. After the mid-term review, project changes were proposed to the Bank, which included: (1) make non-material changes to the scope of work in Zhengzhou component; (2) make non-material changes to the scope of work in Xinxiang component; and (3) update the Results Monitoring Framework. The Proposed project changes were considered

<sup>1</sup> Disbursement Ratio is defined as the volume (e.g. the dollar amount) of total disbursed amount as a percentage of the net committed volume.

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non-material changes pursuant to the Bank's Operational Policy on Financing and were approved by the Bank on January 17, 2024. After the project changes, the Project consists of 20 sub-projects in three municipalities, among which three subprojects are for project management support, five for smart water management and flood emergency response system development, and 12 related to infrastructure re-construction and development.

Since the loan was declared effective on August 22, 2022, the Project has disbursed 45.2 percent of the total amount as of March 2024. The loan has been disbursed as follows: A first disbursement of EUR 167,150,000 was made on September 29, 2022; a second disbursement of EUR 123,450,000 was made on November 30, 2022; a third disbursement of EUR 59,830,000 was made on August 24, 2023; and the fourth disbursement of EUR 40,400,000 was made in November 2023. The Bank team is working with the client for the fifth withdrawal application of EUR 41,200,000, which is expected to be disbursed in May 2023.

Up to the Mission in March 2024, about 84 percent of the total 83 contracts, as updated in the procurement plan (PP) for the entire Project, i.e., 71 contracts for 13 subprojects, have completed tendering process, in which 71 contracts have been signed with a total contract value of CNY 4,397.6 million (ca. EUR 563.85 million, using a EUR/CNY exchange rate of 7.80).

The Zhengzhou Component: There are 37 contracts in total under the current PP up to the Mission (32 for works; one for goods; four for consulting services). Procurement for 33 contracts under the PP has already been completed. Tender documents for the three works contracts of Flood Prevention Capacity Enhancement of Qili River Section of Jinshui River Downstream under the Integrated Jinshui River Management Subproject (Contract Nos.: ZZSLJSH-Works-18, ZZSLJSH-Works-19, and ZZSLJSH-Works-20) is under preparation, and technical preparation for the subproject of Smart Water and Emergency Response System on riverways in Zhengzhou urban region (Contract No.: ZZCJZH-Goods-1) is in progress for procurement. Changes in the scope of work for the subproject of Rehabilitation of Rural Road and Bridges due to the midterm adjustment will lead to new procurement activities, which will be reflected in the updated PP in due course. Construction of the priority works for flood management of Jinshui River was completed. Works for the Ying River is expected to be completed in Q2 2024.

The Xinxiang Component: This Component consists of a total of 15 contracts under the current PP (eight for works; five for goods; two for consulting services). Procurement for 11 of these contracts has already been completed. Among the remaining four contracts, tender documents for two contracts, i.e., works for the subproject of Weihui Cang River Downstream Rehabilitation (Contract No.: WHSL-Works-1) and the subproject of Emergency Response Capacity Enhancement (Contract No.: XXYJ-Goods-1) is under preparation. Works for Rehabilitation and Reconstruction of Wei River (Contract No.: XXSL-Works-2) has been cancelled after the midterm adjustment, and the Works for the North of East Zhongyuan Road of the Xinxiang High-Speed Train Station Area (Contract No.: XXZJ-Works-3) has been included in the restructured subproject of Improvement of Urban Drainage Systems and Roads. Procurement of 204 EV buses was completed in 2022 and the buses were delivered to the Xinxiang Municipality in 2022 for operation. Bus Terminals and procurement of electric charging stations have completed.

The Jiaozuo Component: 31 contracts in total (24 for works, three for goods and four for consulting services), among which the procurement for 27 contracts (23 for works and four for consulting services) has been completed. One works contract for rehabilitation of Tian Jian River sub-project and three goods contracts for development of an integrated flood emergency response system are to be procured. Construction for contracts of Dasha River, Shanmen River subprojects and subprojects of urban road and canal rehabilitation has started in late 2022 and been progressing well.

Project management support consultancy teams for the three municipalities have been on board since the 3rd quarter of 2022.

As per the request by the PPMO, a project change was approved in January 2024, due to loan savings arising from procurement activities, namely the differences between the awarded contract price and planned budget for a number of sub-projects. Total cost savings is around EUR 270 million (equivalent CNY 2 billion), around 31% of the total AIB loan. The main changes include the following:

For Zhengzhou: (i) expand the scope of work of the subproject - Integrated Jinshui River Management to further improve the flood prevention capacity of the Jinshui River downstream - Qili river section; and expand the scope of work of the subproject - Rehabilitation of Rural Roads and Bridges to rehabilitate and recover rural roads and bridges which were damaged in the Flooding on July 20, 2021 (the 7.20 Flooding) but were not included in the previous scope of work due to limit of budget.

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For Xinxiang: (i) cancel the subproject - Rehabilitation of Gong Canal and the subproject - Rehabilitation and Reconstruction of Wei River, which has been completed following domestic procedures only and using domestic funds; and (ii) adjust the scope of work of the subproject - Improvement of Urban Drainage Systems and Roads, that is to cancel one pumping station (East Mengjiangnv River pumping station on the intersection with Xinyan Road), drainage systems along Xinyan Road in Highspeed Railway District which have been completed following domestic procedures only and using domestic funds, instead, to construct one new pumping station (East Mengjiangnv River pumping station on the intersection with Hongli Road), expand one pumping station (Xiangyang rainwater pumping station) and reconstruct rainwater pipeline, wastewater pipeline and drainage systems of three drainage zones – Yingmakou Drainage Zone, Xiangyang Drainage Zone and Hongli Road Drainage Zone.

Components	Physical Progress	Environmental & Social Compliance	Procurement
<p>Zhengzhou Component (AIB loan USD600 million).</p> <p>This component supports civil works and goods required for rehabilitation and reconstruction activities in the water and flood management, urban and transport sectors in Zhengzhou municipality. The sub-projects are: (a) Integrated Jinshui River Management sub-project (Jinshui River downstream – Qili River section is included after the midterm adjustment), including riverbank protection, river dredging, reconstruction of riverside roads and bridges, improvement of drainage and sewerage systems, and riverside green spacing and river ecosystems, amongst others; (b) rehabilitation of</p>	<p>43% of the budgeted investment completed.</p> <p>The physical progress is based on the amount confirmed by employer's representative.</p>	<p>The E&amp;S instruments prepared for the sub-projects are in good quality, and environmental performance in the past several months, are considered as satisfactory. However, there were issues noted from social perspectives, e.g., delay in compensation payment for land taken and resettlement in Jinshui River sub-project. The concerned local governments agreed to address the issue the soonest and will share with the Bank the commitment letter on this soon. The performance of social safeguards therefore is moderately satisfactory.</p> <p>It has been noted that the E&amp;S related actions agreed have been accomplished and observed that each contractor has its ESMP and assigned an E&amp;S coordinator to coordinate E&amp;S management. Environmental impacts (e.g., traffic, safety, noise, dust) are also well managed during the subproject construction.</p> <p>As for involuntary resettlement, it has been observed that the implementation of Integrated Jinshui River Management subproject related rural collective land acquisition and resettlement does not match the overall construction progress of the Jinshui River subproject. Although for the subproject, advance land use is allowed by domestic regulation in consideration of emergency</p>	<p>37 contracts in total (32 for works; one for goods; four for consulting services), among which procurement for 33 contracts (29 for works, four for consulting services) has been completed. Three works contracts for Flood Prevention Capacity Enhancement of Qili River Section of Jinshui River Downstream under the Integrated Jinshui River Management subproject are under procurement and one goods contract for development of an urban flood early warning and emergency system is to be procured.</p>

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<p>rural roads and bridges; (c) rehabilitation of the Ying River in Dengfeng City; (d) development of an integrated flood risk management system and strengthening the capacity for emergency response; and (e) project management support for capacity building in procurement, financial management, environmental and social (E&amp;S) management and other technical areas.</p>		<p>recovery needs, the land acquisition compensation agreements for the affected communities (Guojiazui and Huanggangshi) in the Erqi District have not been signed, and the land expropriation compensation fee have not been paid. Therefore, time bound corrective action plan should be prepared with budget allocation as discussed and agreed.</p>	
<p>Xinxiang Component (AIB loan USD200 million)</p> <p>This component supports activities to recover damaged infrastructure in the three sectors in Xinxiang municipality: (a) rehabilitation of rivers and canals including river dredging and dike strengthening; (b) rehabilitation of national and provincial highways, urban bus terminals and purchase of electrical buses; (c) rehabilitation and improvement of urban drainage systems; (d) development of integrated flood emergency</p>	<p>29% of the budgeted investment completed.</p> <p>The physical progress is based on the amount confirmed by the Employer's Representative</p>	<p>E&amp;S institutional arrangement is well established. PMO, PIUs and contractors have their E&amp;S staff or coordinator to manage/coordinate the E&amp;S work. E&amp;S consultants under PMC (project management consultant) are all onboard and the third-party E&amp;S consultants/firms have been entrusted to meet the need of the project E&amp;S management.</p> <p>During implementation, required environmental management and monitoring have been carried out by the PIUs and contractors. The quarterly E&amp;S monitoring reports have been timely provided. Therefore, environmental performance is considered as satisfactory.</p>	<p>15 contracts in total (eight for works; five for goods; two for consulting services). Procurement for 11 of these contracts has already been completed. Among the remaining four contracts, tender documents for one works contract and one goods contract are under preparation. Works for Rehabilitation and Reconstruction of Wei River has been cancelled after the midterm adjustment, and the works for the North of East Zhongyuan Road of the Xinxiang High-Speed Train Station Area has been included in the restructured subproject of Improvement of Urban Drainage Systems and Roads.</p>

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<p>response system; and (e) project management support.</p>			
<p>Jiaozuo Component (AIB loan USD200 million)</p> <p>This component consists of interventions to support the recovery of Jiaozuo municipality, including: (a) rehabilitation of rivers and canals including river dredging and dike strengthening; (b) rehabilitation and improvement of the urban canals, drainage and sewage systems, and roads; (c) development of an integrated flood emergency response system including a smart river management system and a smart urban water management system; and (d) project management support.</p>	<p>21% of the budgeted investment completed.</p> <p>The physical progress is based on the amount confirmed by the employer's representative. There's work completed but pending the verification of supervision engineers.</p>	<p>E&amp;S institutional arrangement is well established. PMO, PIUs and contractors have their E&amp;S staff or coordinator to manage/coordinate E&amp;S work. E&amp;S consultants under PMC (project management consultant) are all onboard and the third-party E&amp;S consultants/firms have been entrusted to meet the need of the project E&amp;S management. The environmental management and mitigation measures have been implemented by contractors. The quarterly E&amp;S monitoring reports have been timely provided.</p> <p>A tomb was found during construction at Gongye Road, and the Chance-Find Procedure stipulated in the ESMP was in place immediately. Based on the finding of the site survey conducted by local cultural heritage expert, the tomb was determined with evidence from Song Dynasty.</p>	<p>31 contracts in total (24 for works, three for goods and four for consulting services), among which the procurement for 27 contracts (23 for works and four for consulting services) has been completed. One works contract for rehabilitation of Tian Jian River subproject and three goods contracts for development of an integrated flood emergency response system are to be procured.</p>

**Financial Management:**

The Project has been maintaining project financial management system agreed during project appraisal. Financial institutional arrangement including sufficient and capable PMO staff and experienced PMC team are in place to use the MIS in keeping project financial accords, generating financial statements in the format required by the Bank, processing contract payment and disbursement applications. Project financial audits are conducted on semi-annual basis in accordance with legal agreement. The audit reports could be submitted without much delay and remedial actions were taken by various implementing agencies to address the issues identified. The overall project financial management performance is satisfactory to the Bank.

Overall financial progress: According to the report produced from the MIS, total expenditures incurred since last mission (June 2023) is approximately CNY 1.07 billion, which brought the accounted implementation progress to 36% (vs 26% as at June 2023) of total budget. Specifically for each component: Zhengzhou is 43%, Xinxiang is 29% and Jiaozuo is 21%. Total payment since last mission (June 2023) is approximately CNY 1.5 billion, which brought cumulative payment to 33% (vs 19% as last mission in June 2023) of total budget. Specifically for each component: Zhengzhou is 40%, Xinxiang is 27% and Jiaozuo is 20%.

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Contract payment: With regard to contract financed by AIIB Loan, verified construction is 67% as of March 2024 (vs 51% as a June 30, 2023) of signed contract amounts. Bank loan payment made since last reporting period (June 2023) is approximately CNY 1.1 billion, which brought the contract payment progress from 35% to 61%.

Overall, it is encouraging to notice the payment progress has been steadily catching up with verified construction, and financial progress could be in alignment with actual implementation status.

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**6. Status of the Grievance Redress Mechanism (GRM)**

The Bank Project Team was informed that so far there has been no complaints received across all three project municipalities. The information about the GRM and AIIB's Project-affected People's Mechanism (PPM) had been made available on the relevant PMO and PIU's websites. And as per the Bank's suggestions during previous mission, the three PMOs developed a template to standardize the disclosure of the project GRM at the three project municipalities, and most PIUs disclosed the GRM and PPM on site accordingly.

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**7. Results Monitoring (please refer to the full RMF, which can be found on the last page of this PIMR)**

As of December 2023, the Zhengzhou Component has achieved three out of seven targets for the objective-level indicators and four out of nine targets for the intermediate indicators. The Xinxiang Component has achieved zero out of four targets of the objective-level indicators and three out of seven targets for the intermediate indicators. The Jiaozuo Component has achieved one out of three targets for the objective-level indicators, and five out of nine targets for the intermediate indicators.

After the Project Change approved on January 17, 2024, the RMF was also updated to reflect the changes in scope of works under Zhengzhou and Xinxiang Components. More details are recorded in full RMF. As agreed in loan agreement, the indicators will be updated in June 2024. In the current report, the reported physical progress are based on the amount verified and confirmed by the Employer's representatives. The reported physical progress is generally less than the actual progress, which is pending the confirmation of the Employer's representatives.

**Remarks:**

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Project Objective Indicators	Indicator level	Unit of Measure	Cumulative Target Values															Frequency	Responsibility	Comments		
			Baseline		2020		2021		2022		2023		2024		2025		End Target					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year				Target	Actual
Zhengzhou - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0		0		0		4	4	4		4		2025	4		Annual	PIU Zhengzhou Urban and Rural Construction Bureau	-
Zhengzhou - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0		0		0		0	0	1		1		2025	1		Annual	PIU Zhengzhou Water Resources Bureau	-
Zhengzhou - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0		0		0		0	0	1		1		2025	1		Annual	PIU Zhengzhou Water Resources Bureau	-
Zhengzhou - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0		0		1		1	0	1		1		2025	1		Annual	PIU Dengfeng Water Resources Bureau	-
Zhengzhou - Urban drainage systems under the project rehabilitated with improved urban drainage standards	Project	Number	2020	0	0		0		8		8	8	8		8		2025	8		Annual	PIU Zhengzhou Urban and Rural Construction Bureau	-
Zhengzhou - Damaged rural roads under the Project reconstructed	Project	km	2020	0	0		45		783		783	855	880		999		2025	999		Annual	PIU Zhengzhou Road Development Center	-
Zhengzhou - Flood emergency response system developed or improved	Project	Number	2020	0	0		0		0		1	0	1		1		2025	1		Annual	PIU Zhengzhou Water Resources Bureau	-
Xinxiang - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0		0		0		1	0	1		1		2025	1		Annual	PIU - Weihui Water Resources Bureau	-
Xinxiang - Urban drainage systems under the Project rehabilitated with improved urban drainage standards	Project	Number	2020	0	0		0		0		0	0	1		3		2025	3		Annual	PIU - Xinxiang Urban and Rural Construction Bureau	-



Xinxiang - Damaged urban public transport systems/Terminals under the Project recovered	Project	Number	2020	0	0	0	0	4	4	0	4	4	2025	4	Annual	PIU - Xinxiang Transport Bureau
Xinxiang - Flood emergency response system developed or improved	Project	Number	2020	0	0	0	0	1	1	0	1	1	2025	1	Annual	PIU - Xinxiang Water Resources Bureau PIU - Xinxiang Urban and Rural Construction Bureau PIU - Xinxiang Emergency Bureau
Jiaozuo - Flood protection standards of the rivers under the Project improved	Project	Number	2020	0	0	0	0	0	1	1	2	2	2025	2	Annual	PIU - Jiaozuo Water Resources Bureau
Jiaozuo - Urban drainage systems under the Project rehabilitated with improved urban drainage standards	Project	Number	2020	0	0	0	0	0	1	0	1	2	2025	2	Annual	PIU - Jiaozuo Housing and Urban Construction Bureau
Jiaozuo - Flood emergency response system developed or improved	Project	Number	2020	0	0	0	0	0	1	0	1	1	2025	1	Annual	PIU - Jiaozuo Emergency Bureau

Project Intermediate Indicators	Indicator level	Unit of Measure	Cumulative Target Values															Frequency	Responsibility	Comments		
			Baseline		2020		2021		2022		2023		2024		2025		End Target					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year				Target	Actual
Zhengzhou - Urban road rehabilitated and constructed	Project	km	2020	0	0	0	0	0	0	1.3	0	1.3	1.3	1.3	2025	1.3	Semi-annual	PIU - Zhengzhou Urban and Rural Construction Bureau				
Zhengzhou - Urban dikes rehabilitated and constructed	Project	km	2020	0	0	0	4.8	38.8	38.8	38.8	38.8	38.8	38.8	2025	38.8	Semi-annual	PIU - Zhengzhou Urban and Rural					



Xinxiang - Urban rainwater pipeline constructed	Project	km	2020	0	0	0	0	0	0	0	0	24	2025	24	Semi-annual	PIU Xinxiang Urban and Rural Construction Bureau	-
Xinxiang - Urban sewage pipelines constructed	Project	km	2020	0	0	0	0	0	0	19.6	19.6	19.6	2025	19.6	Semi-annual	PIU Xinxiang Urban and Rural Construction Bureau	-
Xinxiang - National/Provincial highways rehabilitated	Project	km	2020	0	0	0	168	168	168.5	168	168	168	2025	168	Semi-annual	PIU Xinxiang Transport Bureau	-
Xinxiang - Highway bridges rehabilitated and constructed	Project	number	2020	0	0	0	10	10	10	10	10	10	2025	10	Semi-annual	PIU Xinxiang Transport Bureau	-
Xinxiang - Electrical buses purchased	Project	number	2020	0	0	0	204	204	204	204	204	204	2025	204	Semi-annual	PIU Xinxiang Transport Bureau	-
Jiaozuo - Urban road rehabilitated and constructed	Project	km	2020	0	0	1.2	5.9	11.8	17.4	20.9	23.7	23.7	2025	23.7	Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	-
Jiaozuo - Urban dikes rehabilitated and constructed	Project	km	2020	0	0	3.4	11.6	19.8	12	28	36.2	36.2	2025	36.2	Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	-
Jiaozuo - Urban bridges rehabilitated and constructed	Project	number	2020	0	0	2	8	14	6	14	14	14	2025	14	Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	-
Jiaozuo - Pumping stations rehabilitated and constructed	Project	number	2020	0	0	0	2	2	0	2	2	2	2025	2	Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	-
Jiaozuo - Urban stormwater pipeline rehabilitated	Project	km	2020	0	0	0	8	18	19.6	25	31.7	31.7	2025	31.7	Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	-
Jiaozuo - Urban sewage pipelines rehabilitated	Project	km	2020	0	0	0	7	13	15.6	16	16	16	2025	16	Semi-annual	PIU - Jiaozuo Housing and Urban Construction	-

																					Bureau	
Jiaozuo - Rural dikes rehabilitated and constructed	Project	km	2020	0	0		0		10		21	21.15	21		21		2025	21		Semi-annual	PIU - Jiaozuo Water Resources Bureau	
Jiaozuo - Sedimented rivers dredged (urban areas)	Project	km (and/or m <sup>3</sup> )	2020	0	0		2km/2,000 m <sup>3</sup>		5km/40,000 m <sup>3</sup>		8km/60,000 m <sup>3</sup>	6km/147,583 m <sup>3</sup>	12km/120,000 m <sup>3</sup>		18km/170,000 m <sup>3</sup>		2025	18km/170,000 m <sup>3</sup>		Semi-annual	PIU - Jiaozuo Housing and Urban Construction Bureau	
Jiaozuo - Sedimented rivers dredged (rural areas)	Project	km (and/or m <sup>3</sup> )	2020	0	0		0		5km/0.5 million m <sup>3</sup>		20km/1 million m <sup>3</sup>	31.7km/1.03 million m <sup>3</sup>	50km/2.8 million m <sup>3</sup>		50km/2.8 million m <sup>3</sup>		2025	50km/2.8 million m <sup>3</sup>		Semi-annual	PIU - Jiaozuo Water Resources Bureau	