

Credit Opinion

29 June 2026

Ratings	
Category	Corporate
Domicile	China
Rating Type	Solicited Rating
Long-Term Credit Rating	BBB _g
Outlook	stable

Analyst Contacts

Jessica Cao +852-2860 7128

Credit Analyst

jessica_cao@ccxap.com

Rory Li +852-2860 7127

Assistant Credit Analyst

rory_li@ccxap.com

Elle Hu +852-2860 7120

Executive Director of Credit Ratings

elle_hu@ccxap.com

**The first name above is the lead analyst for this rating and the last name above is the person primarily responsible for approving this rating.*

Client Services

Hong Kong +852-2860 7111

Jining High-tech Holding Group Co., Ltd.

Surveillance credit rating report

CCXAP affirms Jining High-tech Holding Group Co., Ltd.'s long-term credit rating at BBB_g, with stable outlook.

Summary

The BBB_g long-term credit rating of Jining High-tech Holding Group Co., Ltd. (“JHHG” or the “Company”) reflects Jining High-tech Zone Government’s strong capacity to provide support and very high willingness to support, based on our assessment of the Company’s characteristics.

Our assessment of Jining High-tech Zone Government’s capacity to provide support reflects Jining High-tech Zone’s status as a national-level high-tech industrial development zone, as well as the local government’s sound economic fundamentals and moderate fiscal profile.

The rating also reflects the local government’s very high willingness to provide support, which is based on the Company’s (1) full and direct ownership by the Jining High-tech Zone Government; (2) high strategic importance in infrastructure construction and provision of public services in Jining High-tech Zone; and (3) proven track record of receiving government support.

However, the rating is constrained by the Company’s (1) increasing exposure to commercial activities; (2) rapid debt growth and moderate asset liquidity; and (3) moderate contingent risk.

The stable outlook on JHHG’s rating reflects our expectation that Jining High-tech Zone Government’s capacity to provide support will be stable, and that the Company will maintain its important role in local infrastructure construction, shantytown renovation projects, and heating supply in Jining High-tech Zone over the next 12 to 18 months.

Rating Drivers

- High strategic importance in infrastructure construction and provision of public services
- Proven track record of receiving government support
- Increasing exposure to commercial activities
- Good access to diversified financing channels
- Rapid debt growth and moderate asset liquidity
- Moderate contingent risk

Rating Sensitivities

What could upgrade the rating?

The rating could be upgraded if (1) Jining High-tech Zone Government's capacity to support strengthens; and (2) the Company's characteristics change in a way that strengthens the local government's willingness to provide support, such as improved debt management and asset quality and reduced exposure to external guarantees.

What could downgrade the rating?

The rating could be downgraded if (1) Jining High-tech Zone Government's capacity to support weakens; or (2) the Company's characteristics change in a way that weakens the local government's willingness to provide support, such as reduced strategic significance, decreased government payments or increased exposure to risky commercial activities.

Key Indicators

	2023FY	2024FY	2025FY	2026Q1
Total Asset (RMB billion)	40.5	50.7	60.7	60.1
Total Equity (RMB billion)	12.8	14.0	15.4	15.4
Total Revenue (RMB billion)	5.1	4.6	4.3	0.9
Total Debt/Total Capital (%)	56.6	62.4	65.3	67.8

All ratios and figures are calculated using CCXAP's adjustments.

Source: Company information, CCXAP research

Corporate Profile

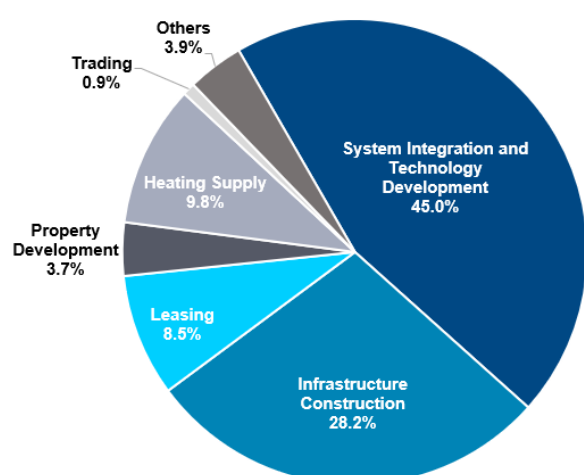
Founded in 2009, JHHG is a key local infrastructure investment and financing company ("LIIFC") in Jining High-tech Zone, and the most of its businesses are undertaken through Jining High Tech Urban Construction Investment Co., Ltd. ("JHUC") and Jining High Tech Industrial Investment Group Co., Ltd. ("JHII"). As the main operator and developer, the Company is responsible for infrastructure construction, shantytown renovation projects, and heating supply in Jining High-tech Zone. The Company also undertakes commercial activities such as system integration and technology development, property development and leasing, commodity trading, as well as industrial investment. As of 31 December 2025, the Company was directly and wholly owned by the Jining High-tech Industrial Development Zone State-owned Assets Supervision and Administration Bureau ("Jining High-tech Zone SASAC").

Exhibit 1. Shareholding chart as of 31 December 2025



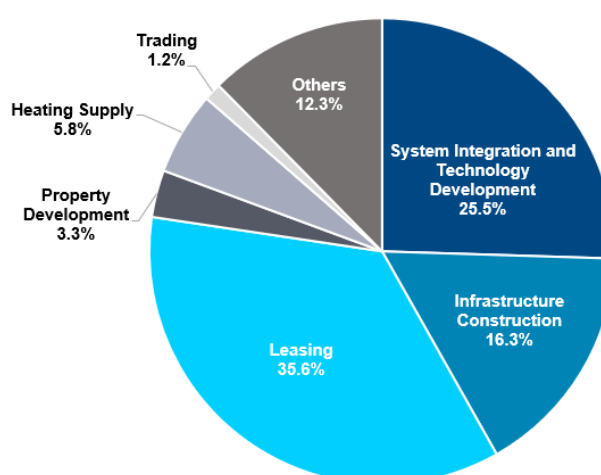
Source: Company information, CCXAP research

Exhibit 2. Revenue structure in 2025



Source: Company information, CCXAP research

Exhibit 3. Gross profit structure in 2025



Rating Considerations

Government's Capacity to Provide Support

We believe the local government of Jining High-tech Zone has strong capacity to provide support, given its sound economic fundamentals and moderate fiscal metrics.

Shandong Province is the third largest province in China by GRP, with a solid industrial foundation in industries such as logistics, shipbuilding, marine technology, chemical, automotive and agri-food. Located in the southern part of Shandong Province, Jining City is one of the central cities in the Huaihai Economic Zone approved by the Shandong Provincial Government. Thanks to its diversified industrial structure such as coal mining, machinery and equipment manufacturing, paper and paper products, chemical industry goods, and textiles, Jining City's economic strength and fiscal strength had been steadily improved over the past three years. In 2025, Jining City reported a GRP of RMB612.8 billion, representing 5.8% year-over-year ("YoY") growth. Meanwhile, the general budgetary revenue was RMB50.3 billion, reflecting an upward trend over the past three years. However, Jining City has moderate fiscal metrics and debt profile. Its average fiscal balance ratio (general budgetary revenue/general budgetary expenditure) was around 60.8% over the past three years. Tax incomes

slightly decreased to RMB30.6 billion in 2025 from RMB31.1 billion in 2024, accounting for 60.9% of its general budgetary revenue. As of 31 December 2025, Jining City's government debt to GRP ratio was 38.6%.

Exhibit 4. Key economic and fiscal indicators of Jining City

	2023FY	2024FY	2025FY
GRP (RMB billion)	551.6	586.7	612.8
GRP Growth (%)	6.5	5.8	5.8
General Budgetary Revenue (RMB billion)	47.5	49.6	50.3
General Budgetary Expenditure (RMB billion)	78.3	80.1	84.3
Local Government Debt (RMB billion)	171.4	201.6	236.3

Source: Jining Municipal Government, CCXAP research

Jining High-tech Zone was founded in 1992 and was promoted to be a National High-tech Industrial Development Zone in 2010. It is the pilot high-tech zone of national science and technology innovation service system, as well as innovative industrial cluster. In addition, it is the pilot scientific and technological high-tech zone in Shandong Province, which has a population of 250 thousand and an area of 255 square kilometers. It has established four national industrial bases, including engineering machinery, photoelectric information, biotechnology, and new textile materials. In 2025, the GRP of Jining High-tech Zone increased to RMB65.9 billion from RMB61.7 billion in 2024, representing a 6.2% YoY growth. Moreover, its GRP has accounted for more than 10% of Jining City's GRP. Jining High-tech Zone Government has a good fiscal balance. As of 31 December 2025, Jining High-tech Zone's general budgetary revenue to general budgetary expenditure was 148.4%. At the same time, the government debt to GRP ratio was 20.8%.

Exhibit 5. Key economic and fiscal indicators of the Jining High-tech Zone

	2023FY	2024FY	2025FY
GRP (RMB billion)	57.9	61.7	65.9
GRP Growth (%)	7.1	6.3	6.2
General Budgetary Revenue (RMB billion)	4.4	4.5	4.4
General Budgetary Expenditure (RMB billion)	2.6	3.0	3.0
Local Government Debt (RMB billion)	10.9	12.1	13.6

Source: Management Committee of Jining High-tech Zone, CCXAP research

Government's Willingness to Provide Support

High strategic importance in infrastructure construction and provision of public services

As the largest and most important LIIFC in Jining High-tech Zone, JHHG is engaged in infrastructure construction, shantytown renovation projects, and heating supply in the region. The Company's essential arms in infrastructure construction, JHUC and Shandong Jingda Science and Technology Industry Development Co., Ltd., are mainly responsible for the construction or upgrading of educational buildings, hospitals, road reconstructions, and shantytown renovations in the Zone. As of end-2025, it completed 26 infrastructure projects, with a total investment of RMB11.1 billion and collected government repayments of RMB9.6 billion. Given its important role in local infrastructure construction, we believe that the Company is unlikely to be replaced in the foreseeable future.

Authorized by Municipal Construction Administration of Jining High-tech Zone, the Company undertakes infrastructure construction projects in Jining High-tech Zone under the agency construction model. The Company conducts construction with self-raised funds, receives the construction costs plus 15% mark-up after

the completion of projects. With the ongoing development of Jining High-tech Zone, the Company is currently focusing on shantytown renovation projects. Some of these projects are undertaken by signing a government-purchase-service agreement with the local government. The local government will then purchase these projects after the completion in instalments within 15 years. As of end-2025, the Company had 4 infrastructure construction and shantytown renovation projects under construction, with an estimated total investment of RMB8.6 billion and an uninvested amount of RMB6.2 billion. Meanwhile, the Company had no infrastructure construction projects under planning. The Company intends to gradually reduce its investment in entrusted construction projects in the future.

JHHG also provides heating service in Jining High-tech Zone, covering 8.84 square kilometers in the region, which is highly beneficial to the local residents and enterprises. The Company provides steam supply for industrial enterprises and heat supply for residents and enterprises in the Zone. As of 31 December 2025, the Company owned pipe network with a length of 190 kilometers and 124 heat exchange stations, with heating capacity of 760.0 thousand tons per year (excluding high-temperature water supply). We believe that the Company can maintain its dominant position in the heating supply segment and can generate stable recurring income. We also believe that as this public service is essential for local residents and enterprises, the replacement cost for the Company's role is high.

Proven track record of receiving government support

JHHG has a proven track record of receiving government support mainly from capital injections, project payments, and subsidies. In 2025, the Jining High-tech Zone SASAC and Jining Municipal Finance Bureau inject RMB634.4 million into the Company, with its paid-in capital increased to RMB2.4 billion by 31 December 2025, further enhancing its capital strength. Furthermore, the Company received RMB58.7 million of operational subsidies from the government in 2025, mainly for its heating projects. As of end-2025, the Company has received cumulative government payments of RMB9.6 billion, which were mainly for the completed infrastructure projects under the agency construction model. We expect the Company will continue to receive government support over the next 12 to 18 months, given its strong public policy role and the large number of public projects under construction.

Increasing exposure to commercial activities

JHHG's commercial activities mainly include system integration and technology development, commodity trading, property development and leasing, as well as industrial investment, generating stable operating income. We believe JHHG will increase its exposure to commercial activities in the future as the Company plans to develop several self-operated projects. The increase of investment in self-operated projects and reduction in revenue of its system integration and technology development business may increase the Company's debt burden and bring more uncertainty to the Company's future income.

JHHG has consolidated a listed company, Ronglian Technology Group Co. ("Ronglian Group") (Stock Code: 002642.SZ), which provides comprehensive solutions for digital transformation of enterprises and IT infrastructure construction for industry customers with relevant qualifications. As of 31 December 2025, JHHG held 8.1% of Ronglian Group's shares, and held 21.03% of the proxy voting rights. Ronglian Group's business contributes a major portion of the Company's revenue, generating RMB2.0 billion and RMB1.9 billion in 2024 and 2025, accounting for 43.9% and 45.3% of the Company's total revenue, respectively. However, affected by factors such as changes in the domestic and foreign economic environment, Ronglian Group's client investment in IT is moderating and it has suffered from a significant revenue tumble and reported a net loss of RMB357.0 million in 2023, which also provided negative impacts on JHHG's financial performance in 2023. Although

Ronglian Group's revenue is decreasing annually, but its profitability has returned to positive since 2024. Moreover, the decline in revenue was primarily due to Ronglian Group's termination of its IT product distribution business, which was high-risk, low-margin, and resource-intensive. Meanwhile, Ronglian Group operates relatively independently and does not require financial support from the Company.

JHHG takes part in the construction and operation of self-operated properties such as research base buildings, industrial parks, logistics parks, and commercial buildings for governmental organs and local enterprises, which are usually leased at low prices under the guidance of local government in order to attract investment. Rental income from leased investment properties had been stable in the past few years. As of 31 December 2025, the Company had 13 leasable projects under construction, with an estimated total investment of RMB11.5 billion and an uninvested amount of RMB7.7 billion. At the same time, the Company had 1 industrial park under planning, with an estimated investment of RMB100.0 million. The relatively large investment may bring more pressure to the Company's capital expenditure in the next 12 to 18 months.

JHHG is also engaged in the property development business, focusing on the sales of residential property projects. As of 31 December 2025, JHHG owned 1 completed real estate project, with a total investment of RMB1.2 billion, of which only a portion of underground parking spaces remained unsold. As of the same date, the Company had 1 property project under construction, with a total investment of RMB517.0 million and uninvested amount of RMB92.0 million. These 2 projects had recognized cumulative revenue of RMB1.5 billion. Despite some supplement income generated by the property sales, the downturn of China's property market may cause the Company's fund to be unbalanced due to the uncertainty of construction and sales progress.

The Company takes part in the engineering construction business, with its projects primarily concentrated in Jining High-tech Zone and a handful scattered across other districts and counties of Jining City. JHHG's engineering construction projects are mainly general contracting projects, which are obtained through public bidding procedures. In 2025, the Company entered into 60 new contracts, with a total value of RMB2.2 billion, indicating a relatively large project reserve and sound business sustainability.

The Company is also engaged in commodity trading business, with the main product being electrolytic copper. Although this segment can provide the Company with additional income, the Company is exposed to relatively high concentration risks. The top 5 customers and suppliers accounted for approximately 99.0% of the total sales and total procurement in 2025, respectively. In 2025, revenue from this business decreased sharply to RMB37.2 million from RMB153.5 million in 2024, reflecting a 75.8% YoY decline. The substantial reduction in trading business was primarily due to Jining High-tech Zone's policies restricting the scale of bulk commodity trading.

Rapid debt growth and moderate asset liquidity

JHHG recorded rapid debt growth due to its debt-driven business expansion in infrastructure and self-operated construction projects over the past few years. As of 30 March 2026, the Company's total debt has increased to RMB32.3 billion from RMB23.2 billion as of end-2024, and the total capitalization ratio was relatively high at 67.8%. Meanwhile, the Company's cash to short-term debt ratio and short-term debt to total debt ratio were 0.8x and 32.7% respectively, indicating a certain degree of short-term debt pressure.

In addition, JHHG's asset liquidity is moderate. As of 31 December 2025, the Company has certain amount of restricted assets including lands, office buildings, and industrial plants, totaling RMB12.1 billion and accounting for 19.9% of the total assets. In terms of asset structure, inventories, total receivables (account receivables and other receivables), investment properties and construction in progress accounted for 67.2% of its total assets

as of the same date. Inventories and construction in progress were mainly the construction costs from infrastructure construction, property development and self-operated projects; investment properties consist primarily of land and rental buildings; while total receivables were mainly receivables from the local government and other state-owned enterprises, all of which are considered low liquidity. Moderate asset liquidity may also undermine the Company's financing flexibility.

Good access to diversified financing channels

JHHG have diversified financing sources including bank loans, bond issuances and non-standard financing products. The Company had been highly recognized by large domestic banks such as Agricultural Development Bank of China and Industrial and Commercial Bank of China Limited. As of end-2025, it had obtained total bank credit facilities of RMB44.1 billion, with an unused portion of RMB18.8 billion, indicating a relatively sufficient liquidity buffer. In terms of direct financing, the Company's subsidiaries JHUC and JHII issued 8 tranches of domestic bonds, raising RMB3.2 billion from 2025 to the present, with coupon rates between 2.64% and 3.5%. However, around RMB1.6 billion onshore bond will be mature within 2027, exerting certain refinancing pressure on the Company. The Company also stepped into offshore bond market, but all these bonds have been repaid upon maturity. The Company had a controllable exposure to non-standard financing products, with amount accounting for around 15.1% of its total debt.

Moderate contingent risk

JHHG's credit profile is constrained by its external guarantees, which could potentially increase its repayment obligations. As of 31 March 2026, the total amount of external guarantees was RMB5.6 billion, accounting for 36.5% of its net assets. All of them were provided to local state-owned enterprises. However, in case a credit event occurs, the Company may face certain contingent liability risks, which could negatively impact its credit quality. Majority of the external guarantees are provided to Shandong Haida Development and Construction Co., Ltd. and subsidiaries, which are local state-owned enterprises that mainly engage in property development and agricultural business. These enterprises are supervised by the local government.

ESG Considerations

JHHG assumes environmental risks through its infrastructure construction and shantytown renovation projects. Such risks could be moderated through environmental studies and detailed planning prior to the start of the projects and close supervision during construction.

In terms of social awareness, the Company, as a public services provider in Jining High-tech Zone, also faces social risks. Demographic changes, public awareness and social priorities shape the government's target for JHHG, which may, affect the government's propensity to support the Company.

In terms of corporate governance, JHHG's governance considerations are also material as the Company is subject to local government oversight and reporting requirements, reflecting its public-policy role and status as a government-owned entity.

Rating Methodology

The methodology used in this rating is the Rating Methodology for [China's Local Infrastructure Investment and Financing Companies \(July 2022\)](#).

Appendix

Exhibit 6. Peer Comparison

	Jining High-tech Holding Group Co., Ltd. (“JHHG”)	Jining High Tech Urban Construction Investment Co., Ltd. (“JHUC”)
Long-Term Credit Rating	BBB _g	BBB _g -
Shareholder	Jining High-tech Zone SASAC (100%)	JHHG (100%)
Positioning	Major urban operator and developer in Jining High-tech Zone	Key entity in infrastructure construction and shantytown renovation in Jining High-tech Zone
Total Assets (RMB billion)	60.7	29.6
Total Equity (RMB billion)	15.4	11.3
Total Revenue (RMB billion)	4.3	1.3
Total Debt/Total Capital (%)	65.3	51.8

All ratios and figures are calculated using CCXAP's adjustments based on financial data in 2025.

Source: Company information, CCXAP research

Copyright © 2026 China Chengxin (Asia Pacific) Credit Ratings Company Limited (“CCXAP”). All rights reserved.

No part of this publication may be reproduced, resold, or redistributed in any form or by any means, without prior written permission of CCXAP.

A credit rating is the analytical result of current credit worthiness and forward-looking opinion on the credit risk of a rated entity or a debt issue. Credit ratings issued by CCXAP are opinions on the current and relative future credit risk of the rated entities or debt issues, but do not address any other risks, including but not limited to liquidity risk, market price risk, and interest rate risk.

Credit ratings, non-credit assessments, and other opinions included in CCXAP’s publications are not recommendations for investors to buy, sell, or hold particular securities, nor measurements of market value of the rated entities or debt issues. While obtaining information from sources it believes to be reliable, CCXAP does not perform audit and undertakes no duty of independent verification or validation of the information it receives from the rated entities or third-party sources.

All information contained herein belongs to CCXAP and is subject to change without prior notice by CCXAP. CCXAP considers the information contained herein to be accurate and reliable. However, all information is provided on an "as is" and "as available" basis and CCXAP does not guarantee accuracy, adequacy, completeness, or timeliness of the information included in CCXAP’s publications.

To the extent where legally permissible, CCXAP and its directors, officers, employees, agents and representatives disclaim liability to any person or entity (i) for any direct or compensatory losses or damages, including but not limited to by any negligence on the part of, and any contingency within or beyond the control of CCXAP or any of its directors, officers, employees, agents or representatives, arising from or in connection with the information contained herein or the use of or inability to use any such information; and (ii) for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if CCXAP or any of its directors, officers, employees, agents or representatives is advised in advance of the possibility of such losses or damages.

China Chengxin (Asia Pacific) Credit Ratings Company Limited

Address: Suites 1904-1909, 19/F, Jardine House,
1 Connaught Place, Central, Hong Kong

Website: www.ccxap.com

Email: info@ccxap.com

Tel: +852-2860 7111

Fax: +852-2868 0656