

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 1

MIRA INFORM REPORT

Report No. :	517175
Report Date :	29.06.2018

IDENTIFICATION DETAILS

Name :	SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD.
Registered Office :	#328, Guanghua Road, Songjiang Science Technology Zone Shanghai 201614 PR
Country :	China
Financials (as on) :	31.12.2017
Date of Incorporation :	20.08.2003
Unified Social Credit Code :	91310000751866673W
Legal Form :	Chinese-Foreign Equity Joint Venture Enterprise
Line of Business :	Subject is engaged in designing and manufacturing glass machinery featuring glass tempering technology; processing and manufacturing post-processing glass products.
No. of Employees :	450

RATING & COMMENTS

(Mira Inform has adopted New Rating mechanism w.e.f. 23rd January 2017)

MIRA's Rating :	A
-----------------	---

Credit Rating	Explanation	Rating Comments
A	Acceptable Risk	Business dealings permissible with moderate risk of default

Status :	Satisfactory
Payment Behaviour :	No Complaints
Litigation :	Clear

NOTES :

Any query related to this report can be made on e-mail : infodept@mirainform.com while quoting report number, name and date.

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

ECGC Country Risk Classification List

Country Name	Previous Rating (31.12.2017)	Current Rating (01.04.2018)
China	A2	A1

Risk Category	ECGC Classification
Insignificant	A1
Low Risk	A2
Moderately Low Risk	B1
Moderate Risk	B2
Moderately High Risk	C1
High Risk	C2
Very High Risk	D

CHINA - ECONOMIC OVERVIEW

Since the late 1970s, China has moved from a closed, centrally planned system to a more market-oriented one that plays a major global role. China has implemented reforms in a gradualist fashion, resulting in efficiency gains that have contributed to a more than tenfold increase in GDP since 1978. Reforms began with the phaseout of collectivized agriculture, and expanded to include the gradual liberalization of prices, fiscal decentralization, increased autonomy for state enterprises, growth of the private sector, development of stock markets and a modern banking system, and opening to foreign trade and investment. China continues to pursue an industrial policy, state support of key sectors, and a restrictive investment regime. Measured on a purchasing power parity (PPP) basis that adjusts for price differences, China in 2016 stood as the largest economy in the world, surpassing the US in 2014 for the first time in modern history. China became the world's largest exporter in 2010, and the largest trading nation in 2013. Still, China's per capita income is below the world average.

After keeping its currency tightly linked to the US dollar for years, China in July 2005 moved to an exchange rate system that references a basket of currencies. From mid-2005 to late 2008, the renminbi appreciated more than 20% against the US dollar, but the exchange rate remained virtually pegged to the dollar from the onset of the global financial crisis until June 2010, when Beijing announced it would allow a resumption of gradual liberalization. From 2013 until early 2015, the renminbi (RMB) appreciated roughly 2% against the dollar, but the exchange rate fell 13% from mid-2015 until end-2016 amid strong capital outflows in part stemming from the August 2015 official devaluation; in 2017 the RMB resumed appreciating against the dollar – roughly 7% from end-of-2016 to end-of-2017. From 2013 to 2017, China had one of the fastest growing economies in the world, averaging slightly more than 7% real growth per year. In 2015, the People's Bank of China announced it would continue to carefully push for full convertibility of the renminbi, after the currency was accepted as part of the IMF's special drawing rights basket. However, since late 2015 the Chinese Government has strengthened capital controls and oversight of overseas investments to better manage the exchange rate and maintain financial stability.

The Chinese Government faces numerous economic challenges including: (a) reducing its high domestic savings rate and correspondingly low domestic household consumption; (b) managing its high corporate debt burden to maintain financial stability; (c) controlling off-balance sheet local government debt used to finance infrastructure stimulus; (d) facilitating higher-wage job opportunities for the aspiring middle class, including rural migrants and college graduates, while maintaining competitiveness; (e) dampening speculative investment in the real estate sector without sharply slowing the economy; (f) reducing industrial overcapacity; and (g) raising productivity growth rates through the more efficient allocation of capital and state-support for innovation. Economic development has progressed further in coastal provinces than in the interior, and by 2016 more than 169.3 million migrant workers and their dependents had relocated to urban areas to find work. One consequence of China's population control policy known as the "one-child policy" - which was relaxed in 2016 to permit all families to have two children - is that China is now one of the most rapidly aging countries in the world. Deterioration in the environment - notably air pollution, soil erosion, and the steady fall of the water table, especially in the North - is another long-term problem. China continues to lose arable land because of erosion and urbanization. The Chinese Government is seeking to add energy production capacity from sources other than coal and oil, focusing on natural gas, nuclear, and clean energy development. In 2016, China ratified the Paris Agreement, a multilateral agreement to combat climate change, and committed to peak its carbon dioxide emissions between 2025 and 2030.

The government's 13th Five-Year Plan, unveiled in March 2016, emphasizes the need to increase innovation and boost domestic consumption to make the economy less dependent on government investment, exports, and heavy industry. However, China has made more progress on subsidizing innovation than rebalancing the

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 4

economy. Beijing has committed to giving the market a more decisive role in allocating resources, but the Chinese Government's policies continue to favor state-owned enterprises and emphasize stability. Chinese leaders in 2010 pledged to double China's GDP by 2020, and the 13th Five Year Plan includes annual economic growth targets of at least 6.5% through 2020 to achieve that goal. In recent years, China has renewed its support for state-owned enterprises in sectors considered important to "economic security," explicitly looking to foster globally competitive industries. Chinese leaders also have undermined some market-oriented reforms by reaffirming the "dominant" role of the state in the economy, a stance that threatens to discourage private initiative and make the economy less efficient over time. The slight acceleration in economic growth in 2017—the first such uptick since 2010—gives Beijing more latitude to pursue its economic reforms, focusing on financial sector deleveraging and its Supply-Side Structural Reform agenda, first announced in late 2015.

Source : CIA

COMPANY NAME AND ADDRESS

COMPANY NAME Shanghai North Glass Technology Industrial Co., Ltd.
CURRENT ADDRESS/ #328, Guanghua Road, Songjiang Science Technology Zone
REGISTERED ADDRESS Shanghai 201614 PR China
TEL. NO. 86 (0) 21-57858660/57852211/57858623
FAX NO. 86 (0) 21-57858600/57858667

EXECUTIVE SUMMARY

Date of Registration : AUGUST 20, 2003
Unified social credit code : 91310000751866673W
LEGAL FORM : CHINESE-FOREIGN EQUITY JOINT VENTURE ENTERPRISE
CHIEF EXECUTIVE : GAO XUEMING (LEGAL REPRESENTATIVE)
REGISTERED CAPITAL : USD 12,000,000
staff : 450
BUSINESS CATEGORY : PROCESSING & manufacturing
Revenue : CNY 266,623,000 (AS OF DEC. 31, 2017)
EQUITIES : CNY 211,690,000 (AS OF DEC. 31, 2017)
WEBSITE : N/A
E-MAIL : jerry@northglass.com
PAYMENT : NO COMPLAINTS
MARKET CONDITION : average
FINANCIAL CONDITION : fairly stable
OPERATIONAL TREND : fairly steady
GENERAL REPUTATION : AVERAGE

Adopted abbreviations (as follows)

SC - Subject Company (the company inquired by you)

N/A – Not available

CNY – China Yuan Ren Min Bi

OPERATIONAL TREND & GENERAL REPUTATION

This section aims at indicating the relative positions of SC in respect of its operational trend & general reputation

Operational Trend:-

Upward

Steady

Fairly Steady

Ordinary

Fair

General Reputation:-

Excellent

Good

Fairly Good

Average

Fair

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 6

Stagnant	Detrimental
Downward	Not known
Not known	Not yet be determined
Not yet be determined	

LEGAL STATUS & HISTORY

SC was established as Chinese-foreign equity joint venture enterprise of PRC with State Administration of Industry & Commerce (SAIC) under unified social credit code: 91310000751866673W.

SC's registered capital: usd 12,000,000

SC's paid-in capital: usd 12,000,000

Registration Change Record:-

Date	Change of Contents	Before the change	After the change
2006-06	Shareholder (s) (% of Shareholding)	Beijing Northglass Safety Glass Co., Ltd. 14% Luoyang Northglass Technology Co., Ltd. 60% Cattin (Swiss) 26%	Luoyang Northglass Technology Co., Ltd. 74% Cattin (Swiss) 26%
--	Registered No. Registration No./ Unified Social Credit Code	034087 310000400352802	310000400352802 91310000751866673W

Current Co search indicates SC's shareholders & chief executives are as follows:-

Name of Shareholder (s)	% of Shareholding
Luoyang Northglass Technology Co., Ltd.	71.83
Cattin (Swiss)	28.17

SC's Chief Executives:-

Position	Name
Legal Representative, Chairman and General Manager	Gao Xueming
Director	Lei Min
	Wang Chen
	Gao Xuelin
	Li Yalei
	Bai Xuefeng
	Cattin

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

RECENT DEVELOPMENT

No recent development was found during our checks at present.

SHAREHOLDER CHART & BACKGROUND

Name	% of Shareholding
Luoyang Northglass Technology Co., Ltd.	71.83
Cattin (Swiss)	28.17

Luoyang Northglass Technology Co., Ltd.

Luoyang Northglass Technology Co., Ltd founded by board chairman Gao Xueming on May 18, 1995 in Luoyang Hi-Tech Development Zone, is mainly engaged in the research and development of glass post-processing technologies and equipment featuring glass tempering technology. With approval from Henan provincial government, it was converted into a company limited by shares on May 18, 2000. The largest shareholder Gao Xueming offered shares as incentive to senior management and technical cadres, a total of 27 management and technical backbones and staff representatives currently make up the Board of Directors, Board of Supervisors and business organization, with a labor union and a Party branch already established. The company, whose registered capital is RMB200 million with net assets of RMB300 million, now has more than 1,500 employees, of whom over 25% are specialized technical personnel. "Northglass" currently ranks No.1 among global enterprises of the same industry in terms of its comprehensive strength.

www.northglass.com

Unified Social Credit Code: 91410300171125094X

Date of Registration: May 18, 1995

Legal Representative: Gao Xueming

Registered Capital: CNY 937,170,000

MANAGEMENT

Gao Xueming, Legal Representative, Chairman, and General Manager

Gender: M

Nationality: China

ID# 410303580126255

Age: 60

Qualification: University

Working experience (s):

At present, working in SC as legal representative, chairman and general manager

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 8

Also working in Luoyang Northglass Technology Co., Ltd., Beijing North Glass Safety Glass Co., Ltd., and Shanghai North Glass Coating Technology Industrial Co., Ltd. as legal representative

Director

Lei Min
Wang Chen
Gao Xuelin
Li Yalei
Bai Xuefeng
Cattin

BUSINESS OPERATION

SC's registered business scope includes designing and manufacturing glass machinery featuring glass tempering technology; processing and manufacturing post-processing glass products.

SC is mainly engaged in designing and manufacturing glass machinery mainly of glass tempering technology; processing and manufacturing deep-processing glass products.

Main products: glass machinery, toughened glass, special glass, etc.



Brand:

SC sources its materials 60% from domestic market, and 40% from overseas market. SC sells 65% of its products in domestic market, and 35% to overseas market, mainly Austria, U.S.A., etc.

The buying terms of SC include Check, T/T, L/C and Credit of 30-60 days. The payment terms of SC include Check, T/T, L/C and Credit of 30-60 days.

Major Supplier

=====

Vesuvius ZYAROCK Ceramics (Suzhou) Co., Ltd

Major Customers

=====

Glas Berger GMBH (Austria)
Custom (U.S.A.)
Shanghai Yaohua Pilkington Glass Co., Ltd

Staff & Office:

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 9

SC is known to have approx. 450 staff at present.

SC owns an area as its operating office and factory, but the detailed information is unknown.

RELATED COMPANY

Beijing North Glass Safety Glass Co., Ltd.

Date of Registration: July 28, 1999
Unified Social Credit Code: 91110112700228751X
Chief Executive : Li Lihua
Registered Capital: CNY 12,878,596

Shanghai North Glass Coating Technology Industrial Co., Ltd.

Date of Registration: November 14, 2006
Unified Social Credit Code: 913101177956439226
Chief Executive : Gao Xueming
Registered Capital: CNY 100,000,000

PAYMENT

Overall payment appraisal:

Excellent Good Average Fair Poor Not yet be determined

The appraisal serves as a reference to reveal SC's payments habits and ability to pay. It is based on the 3 weighed factors: Trade payment experience (through current enquiry with SC's suppliers), our delinquent payment and our debt collection record concerning SC.

Trade payment experience: SC's supplier refused to make any comments.

Delinquent payment record: None in our database.

Debt collection record: No overdue amount owed by SC was placed to us for collection within the last 6 years.

BANKING

Basic Bank:

Bank of Communications Shanghai Songjiang Sub-branch

AC#: 069053-08003435124

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 10

Agricultural Bank of China Shanghai Kungang Sub-branch

AC#: 03801330040048764

FINANCIALS

Financial Summary

Unit: CNY'000	As of Dec. 31, 2016	As of Dec. 31, 2017
Total assets	353,589	368,000
	-----	-----
Total liabilities	153,664	156,310
Equities	199,925	211,690
	-----	-----
Revenue	222,512	266,623
Profit before tax	-7,044	11,671
Less: profit tax	-136	-93
Profits	-6,908	11,764

Important Ratios

=====	As of Dec. 31, 2016	As of Dec. 31, 2017
*Liabilities to assets	0.43	0.42
*Net profit margin (%)	-3.10	4.41
*Return on total assets (%)	-1.95	3.20
*Revenue/Total assets	0.63	0.72

FINANCIAL COMMENTS

PROFITABILITY: AVERAGE

The revenue of SC appears fairly good in its line.

SC's net profit margin is average.

SC's return on total assets is average.

LIQUIDITY: FAIR

SC's revenue is in a fair level, comparing with the size of its total assets.

LEVERAGE: AVERAGE

The debt ratio of SC is average.

The risk for SC to go bankrupt is average.

Overall financial condition of the SC: Fairly Stable.

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

CONCLUSIONS

SC is considered medium-sized in its line with fairly stable financial conditions.

SHANGHAI NORTH GLASS TECHNOLOGY INDUSTRIAL CO., LTD. - 517175 PAGE NO. : 12

FOREIGN EXCHANGE RATES

Currency	Unit	Indian Rupees
US Dollar	1	INR 68.93
UK Pound	1	INR 90.21
Euro	1	INR 79.63
CNY	1	INR 10.38

Note : Above are approximate rates obtained from sources believed to be correct

INFORMATION DETAILS

Analysis Done by :	DIV
Report Prepared by :	DNS

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

RATING EXPLANATIONS

Credit Rating	Explanation	Rating Comments
A++	Minimum Risk	Business dealings permissible with minimum risk of default
A+	Low Risk	Business dealings permissible with low risk of default
A	Acceptable Risk	Business dealings permissible with moderate risk of default
B	Medium Risk	Business dealings permissible on a regular monitoring basis
C	Medium High Risk	Business dealings permissible preferably on secured basis
D	High Risk	Business dealing not recommended or on secured terms only
NB	New Business	No recommendation can be done due to business in infancy stage
NT	No Trace	No recommendation can be done as the business is not traceable

NB is stated where there is insufficient information to facilitate rating. However, it is not to be considered as unfavourable.

This score serves as a reference to assess SC's credit risk and to set the amount of credit to be extended. It is calculated from a composite of weighted scores obtained from each of the major sections of this report. The assessed factors are as follows:

- Financial condition covering various ratios
- Company background and operations size
- Promoters / Management background
- Payment record
- Litigation against the subject
- Industry scenario / competitor analysis
- Supplier / Customer / Banker review (wherever available)