



CNBM

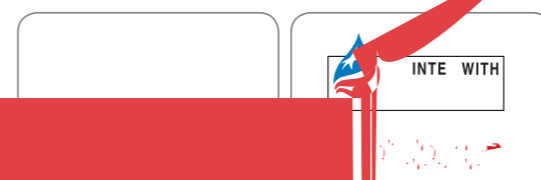
2012

CHINA NATIONAL BUILDING MATERIALS GROUP CORPORATION

Social Responsibility Report

CHINA NATIONAL BUILDING MATERIALS GROUP CORPORATION

2012 Social Responsibility Report





About this report: This report is prepared by the Greenhouse Gas Reporting Centre (GNRC) on behalf of the China National Building Materials Group Corporation (CNBM).

Period covered by the report: 1 January - 31 December 2012; 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100.

Reporting frequency: Annual

Member companies covered by the report: A list of member companies including CNBM, Foshan, etc.

Referential guidelines: GHG Protocol (2006), ISO 14064, etc.

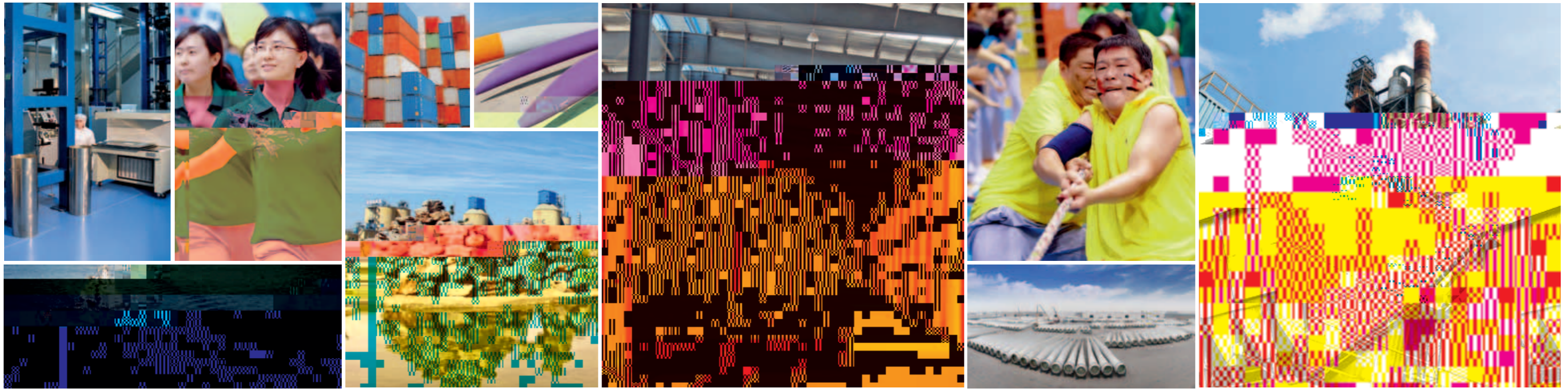
Data sources: A list of data sources including CNBM, etc.

Assurances: Assurance information for the report.

How to get this Report: Information on how to access the report.

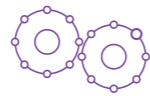






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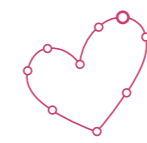
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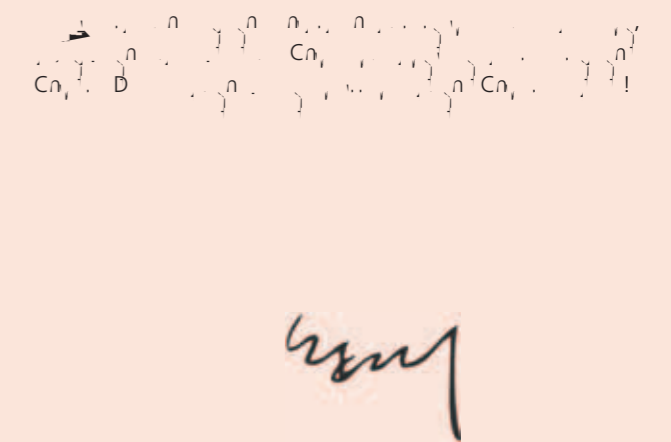
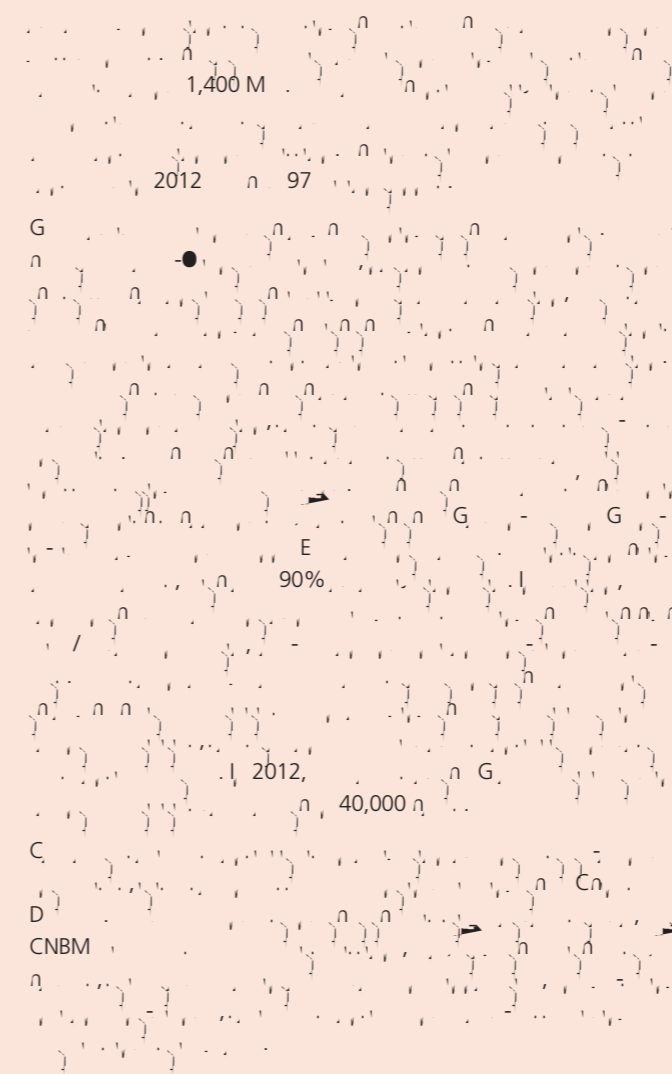
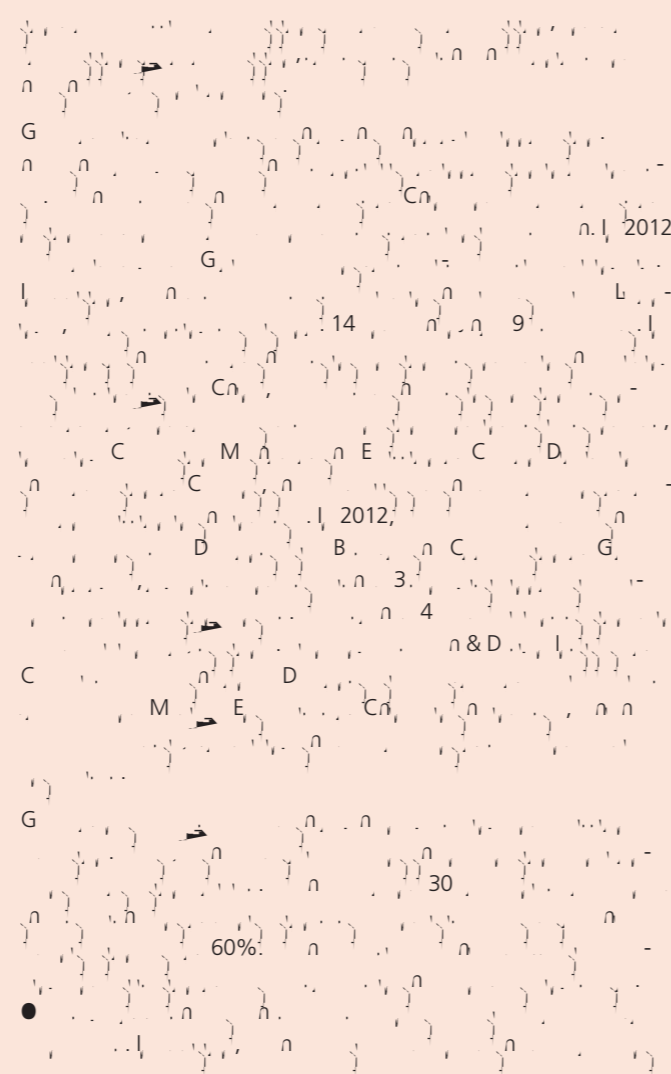
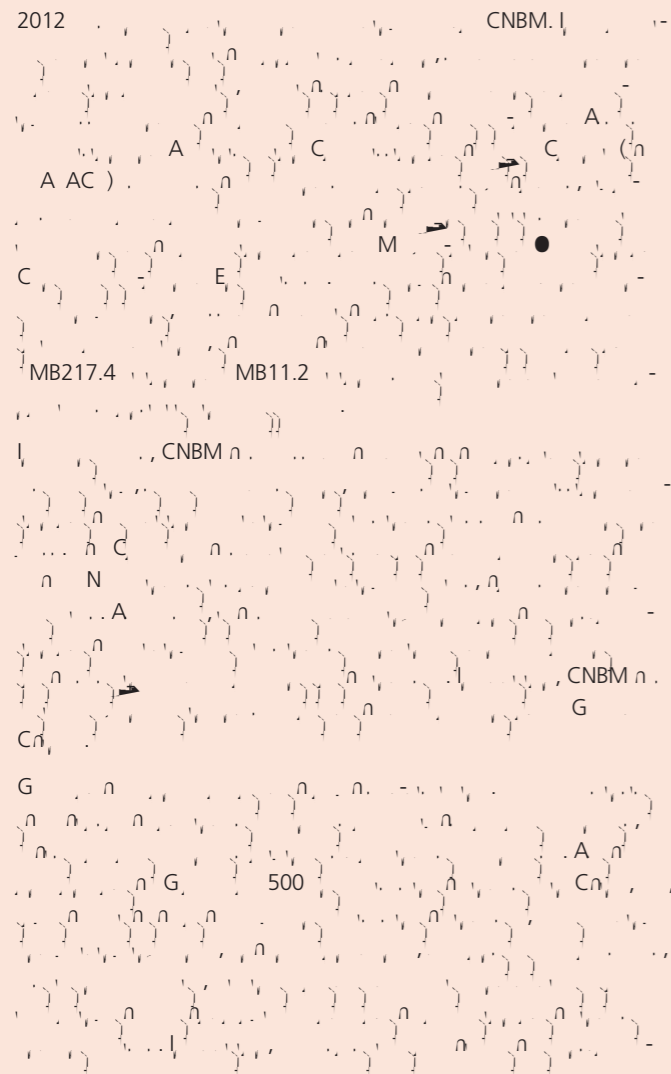


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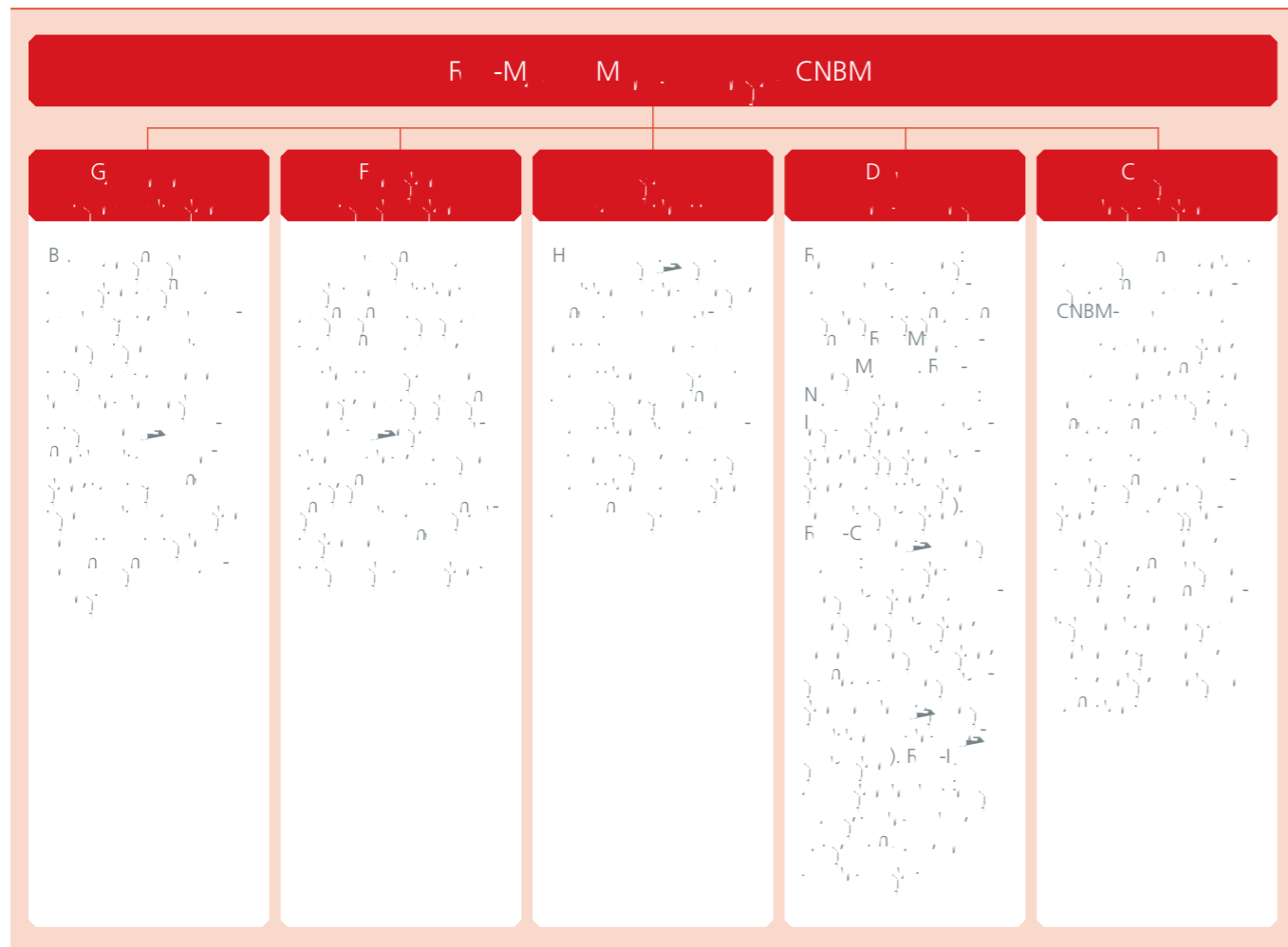
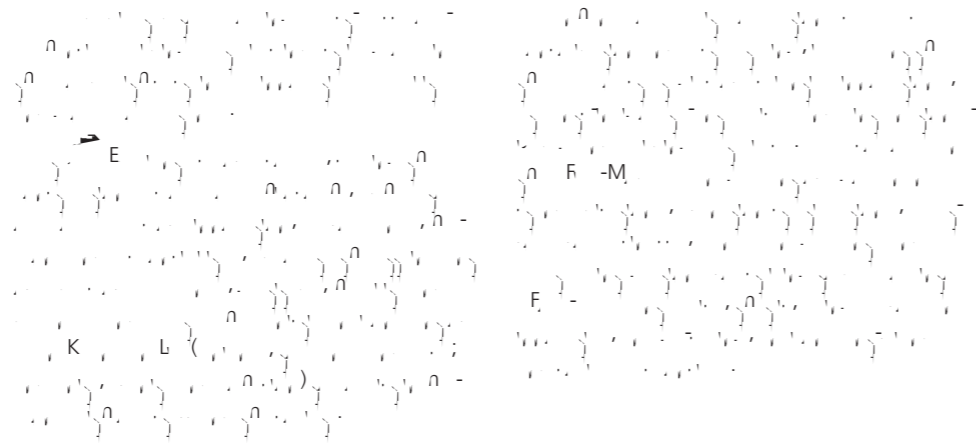
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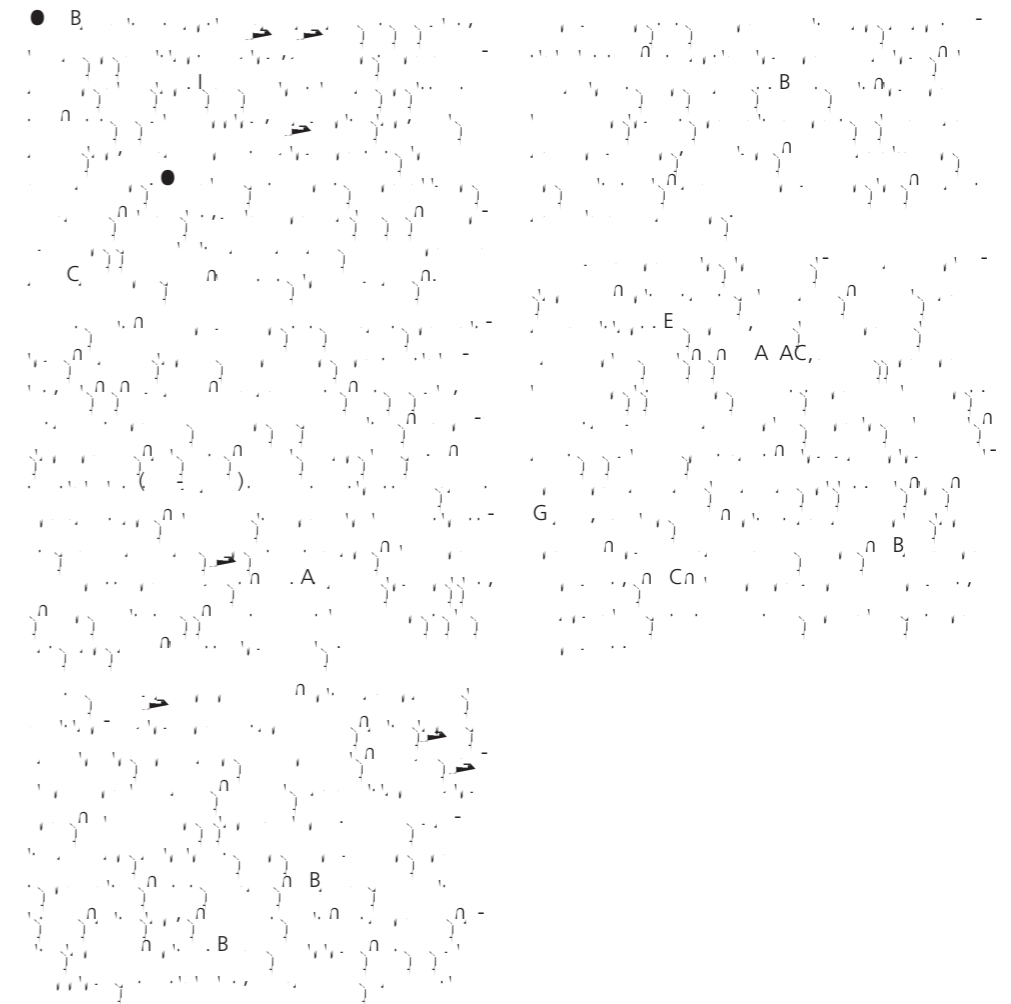
SONG ZHIPING
CHAIRMAN OF CNBM







55%
8
33
2012



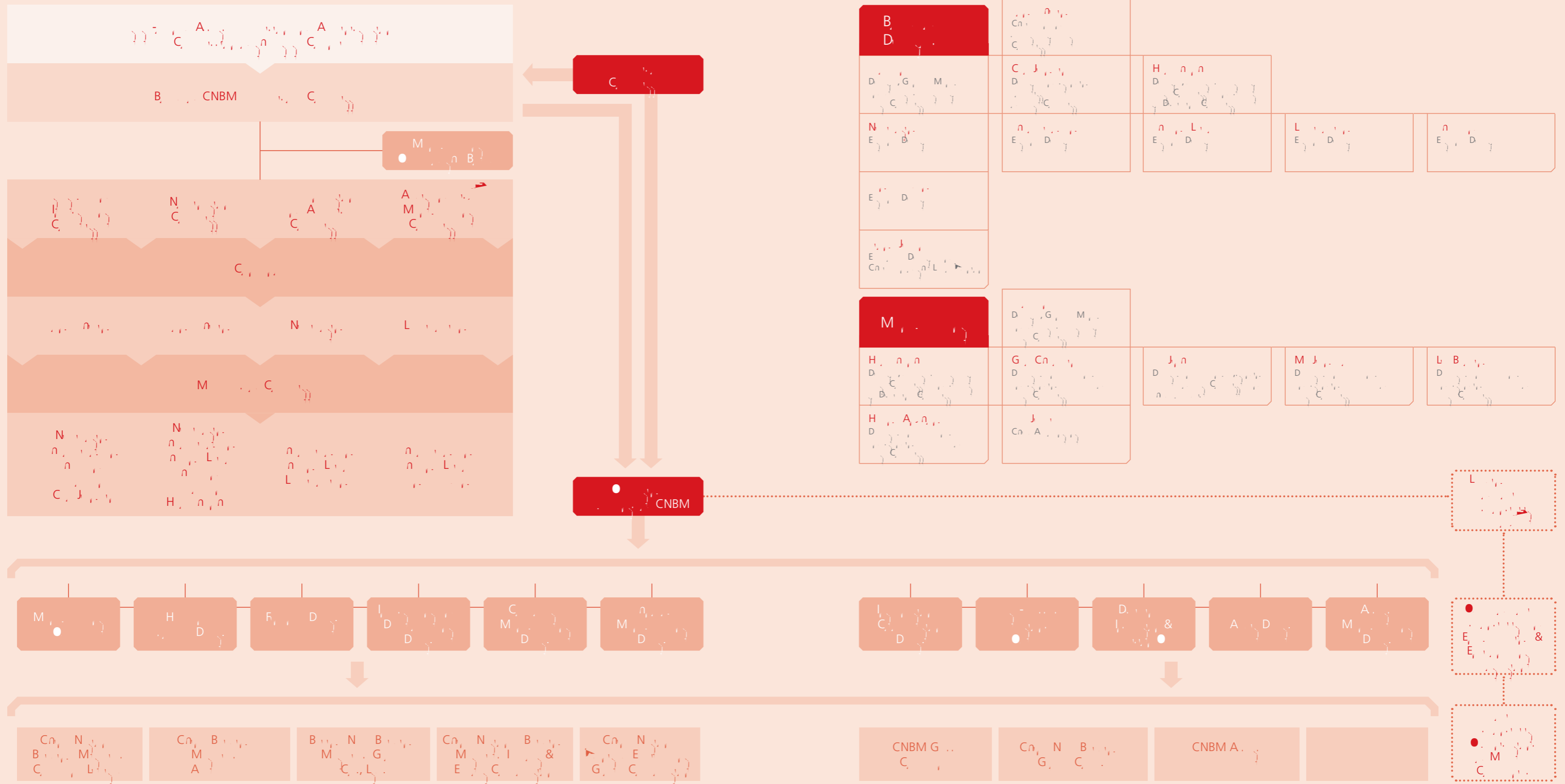
**Comments from External Parties:
State-owned Assets Supervision
and Administration Commission
of the State Council:**

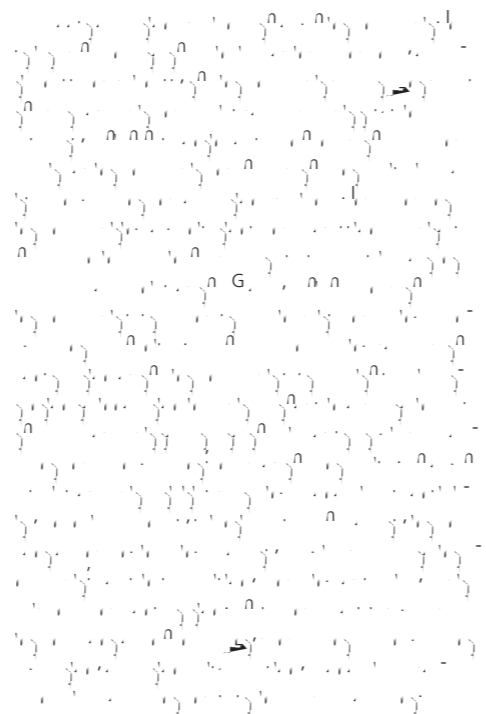
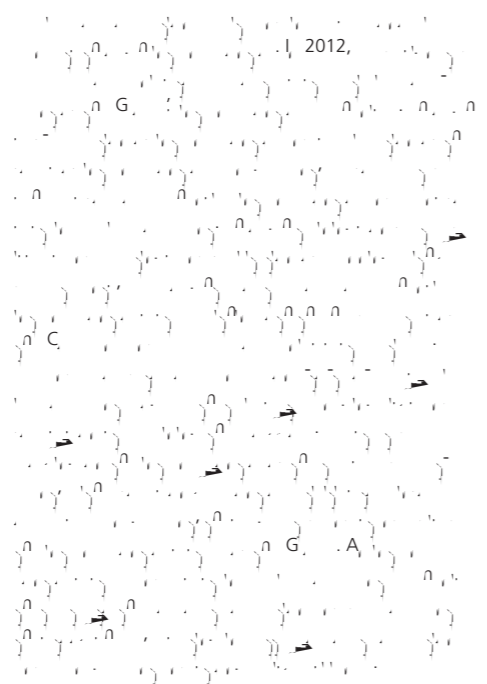
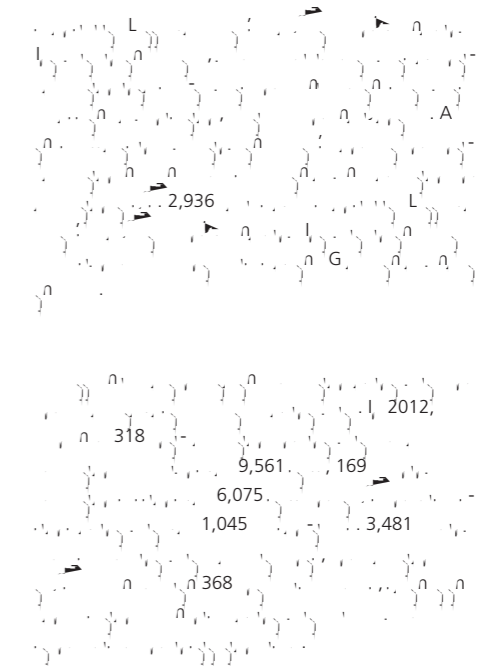
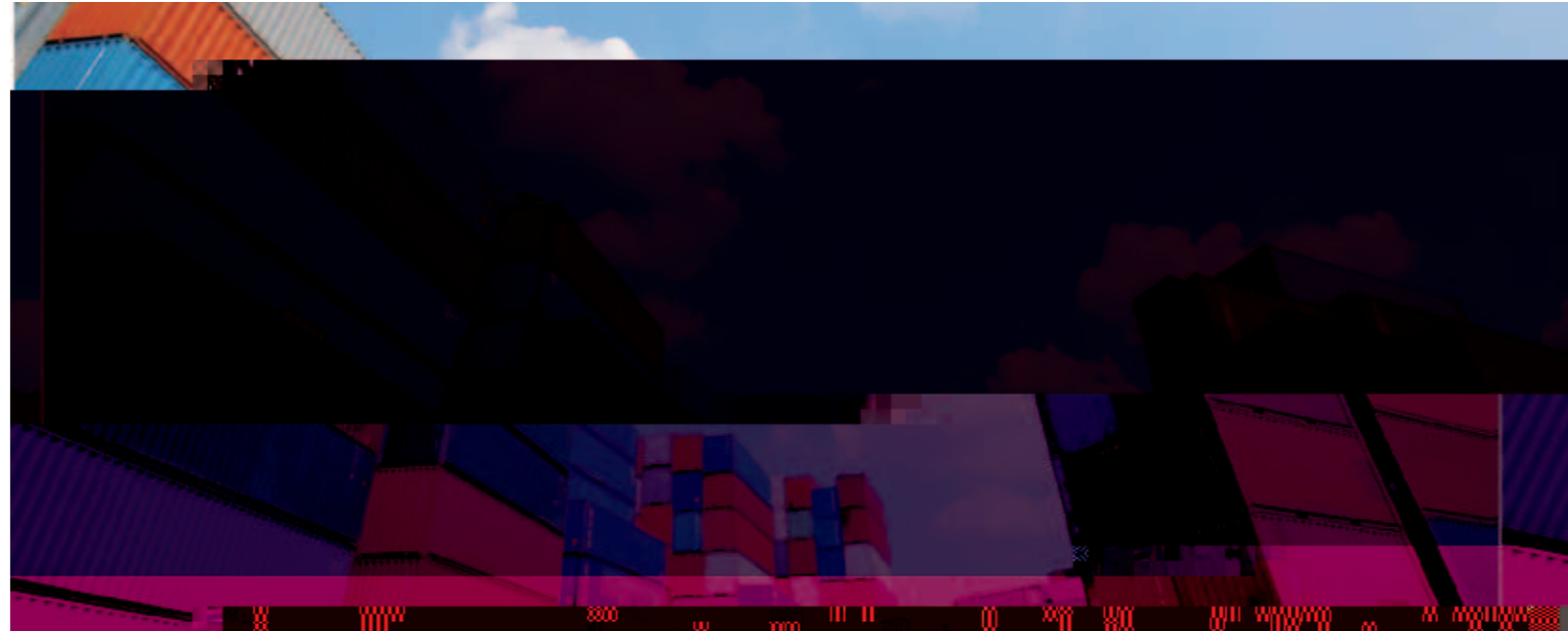
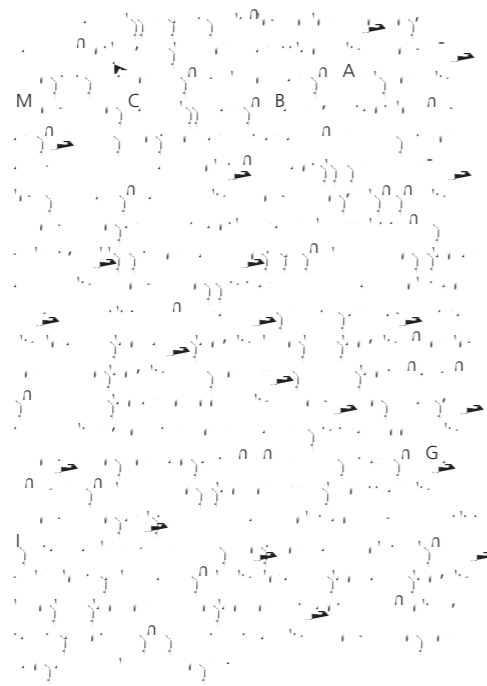
The Board of CNBM conscientiously discharges its duties, prudently regulates its decisions and plays an important role in determining the direction of corporate development. The operation of the Board is satisfactory, it achieves stable re-election with its organisational structure further optimised. The work done by the Board of CNBM in refining the systems, strategic leadership, risk prevention, critical decision and appraisal to managers and remuneration management is highly effective.



C, G, CNBM

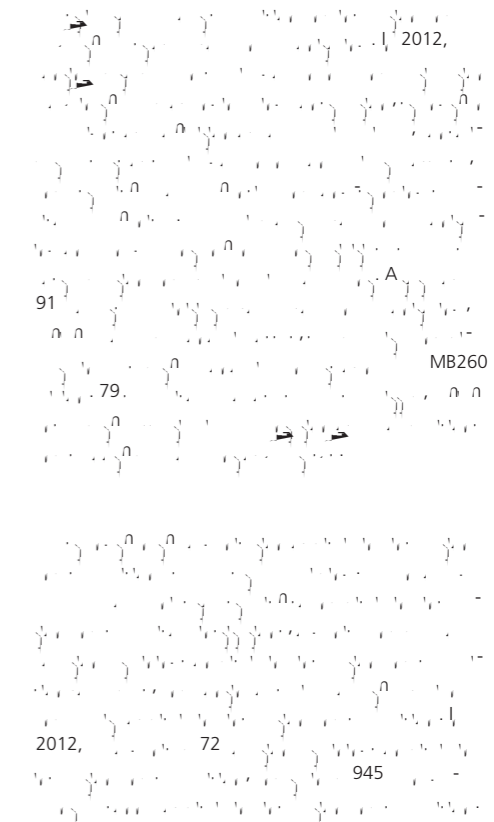
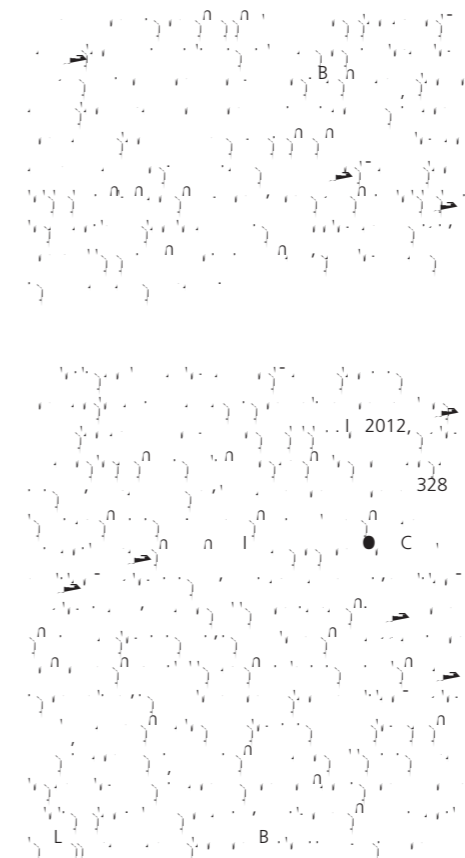
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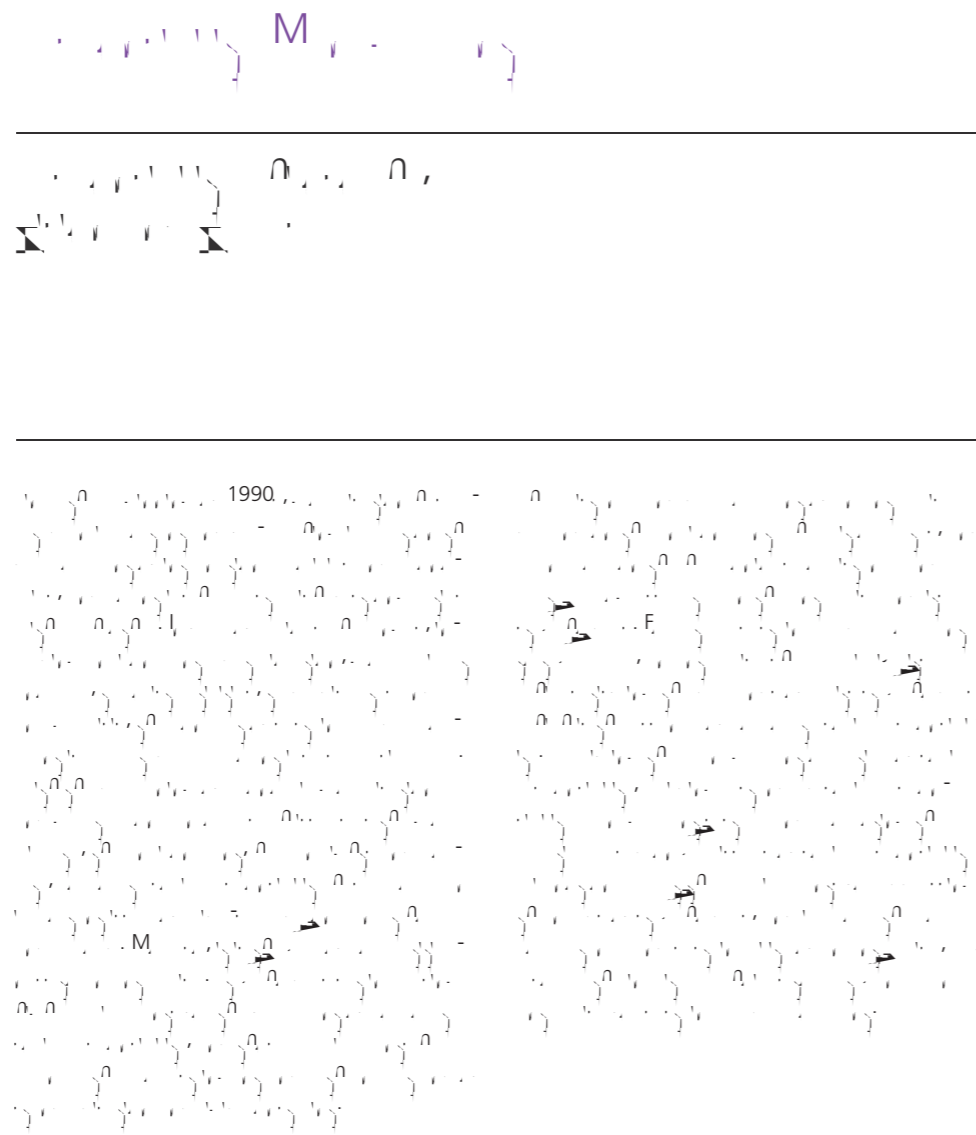


Sun Xingmou, Deputy Director of Supervisory Bureau of Disciplinary Committee of the State-owned Assets Supervision and Administration Commission of the State Council

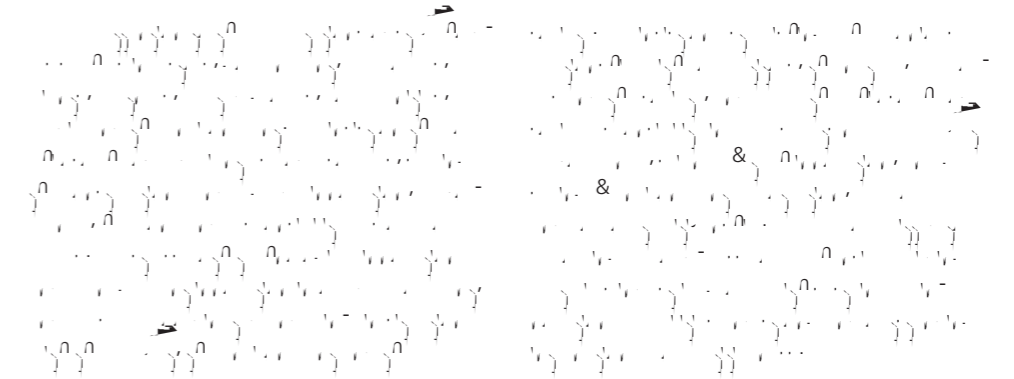
While emphasizing on production and operation, CNBM has attached great importance to the construction of party's conduct as well as the work of anti-corruption and integrity advocacy. It earnestly implemented the accountability system of party's conduct and anti-corruption, further promoted the establishment of a punishment and prevention system, strengthened education, improved the "Three Important and One Crucial" decision-making system, enhanced supervision and inspection as well as performance monitoring, and reinforced the discipline inspection team building. All these measures safeguarded the stability of CNBM's reform and development.







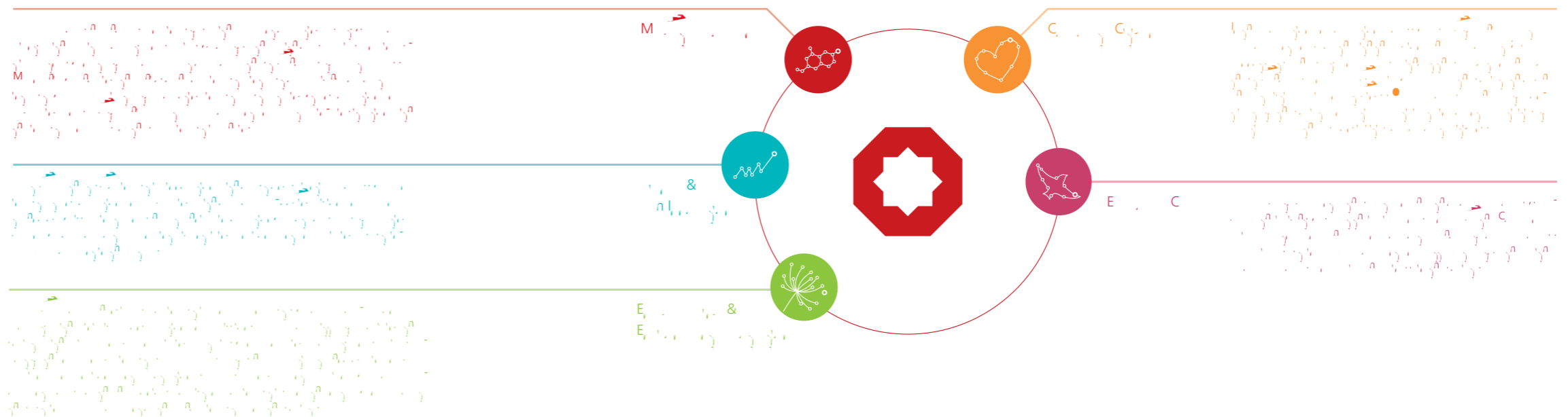
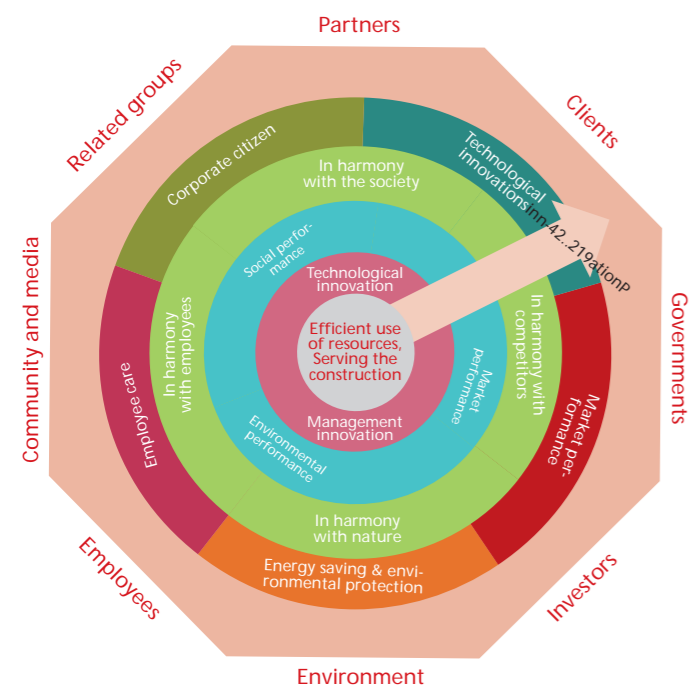
Responsibility Strategy and Philosophy



Core Topics

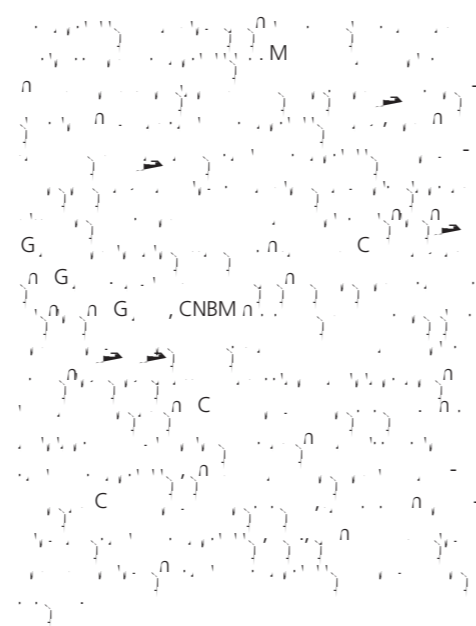
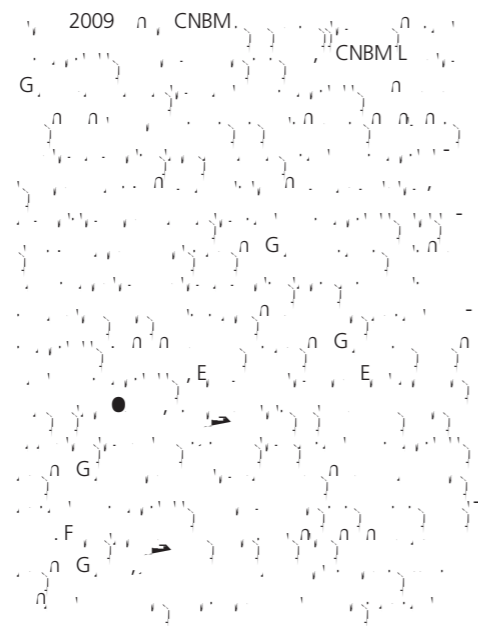


Responsibility Model

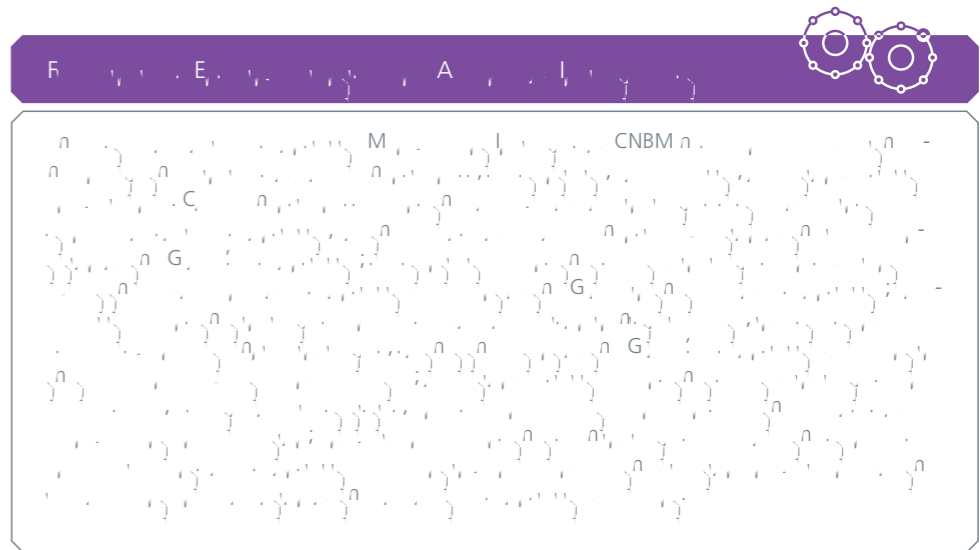
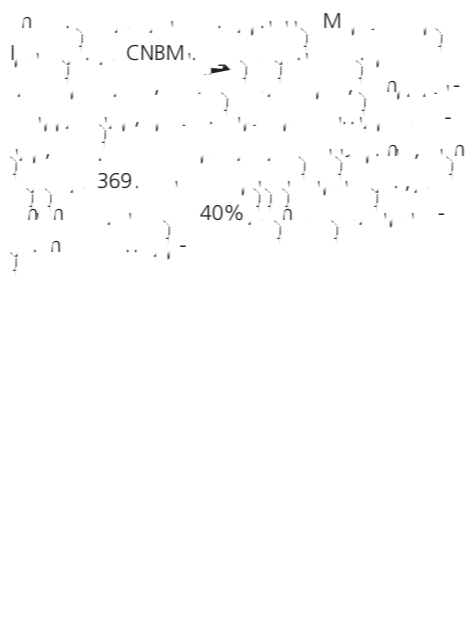
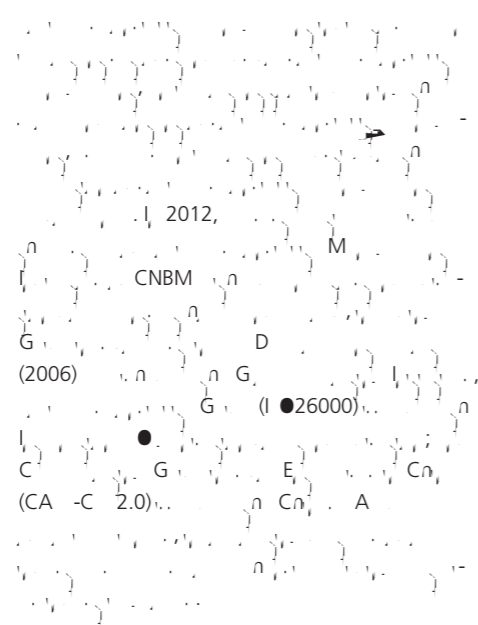




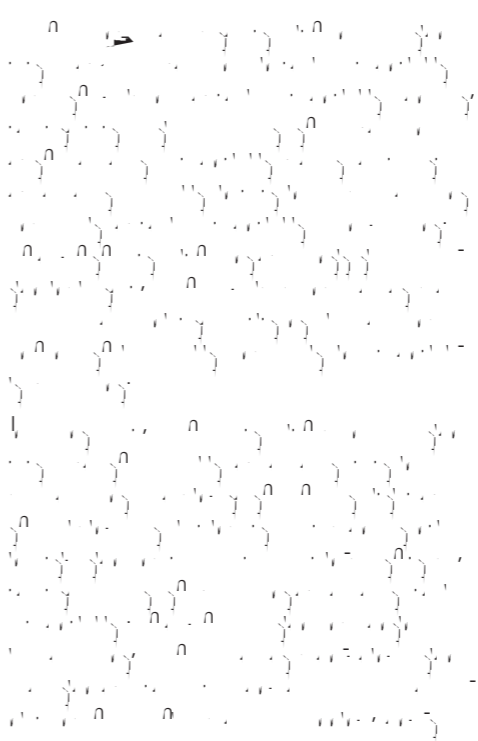
Leading Organisation and Organisational System



Establishment of the Indicator System



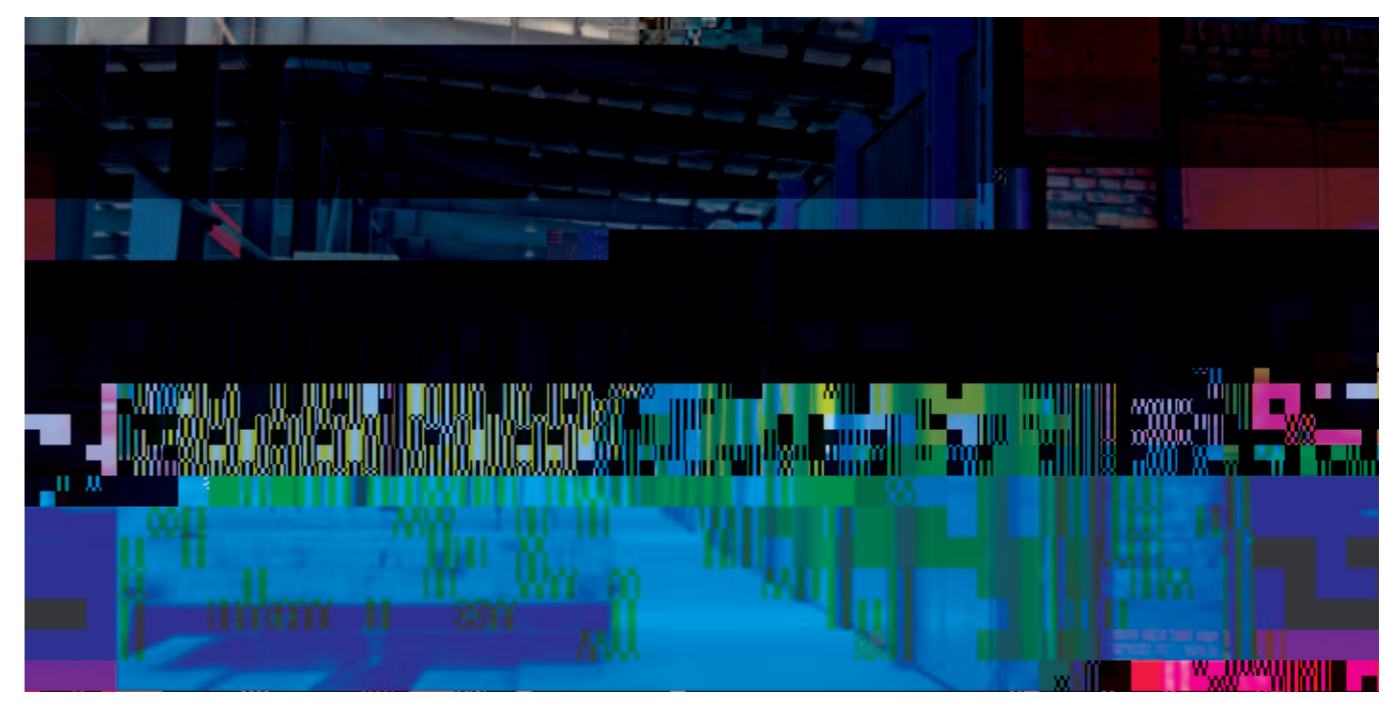
Performance Evaluation System



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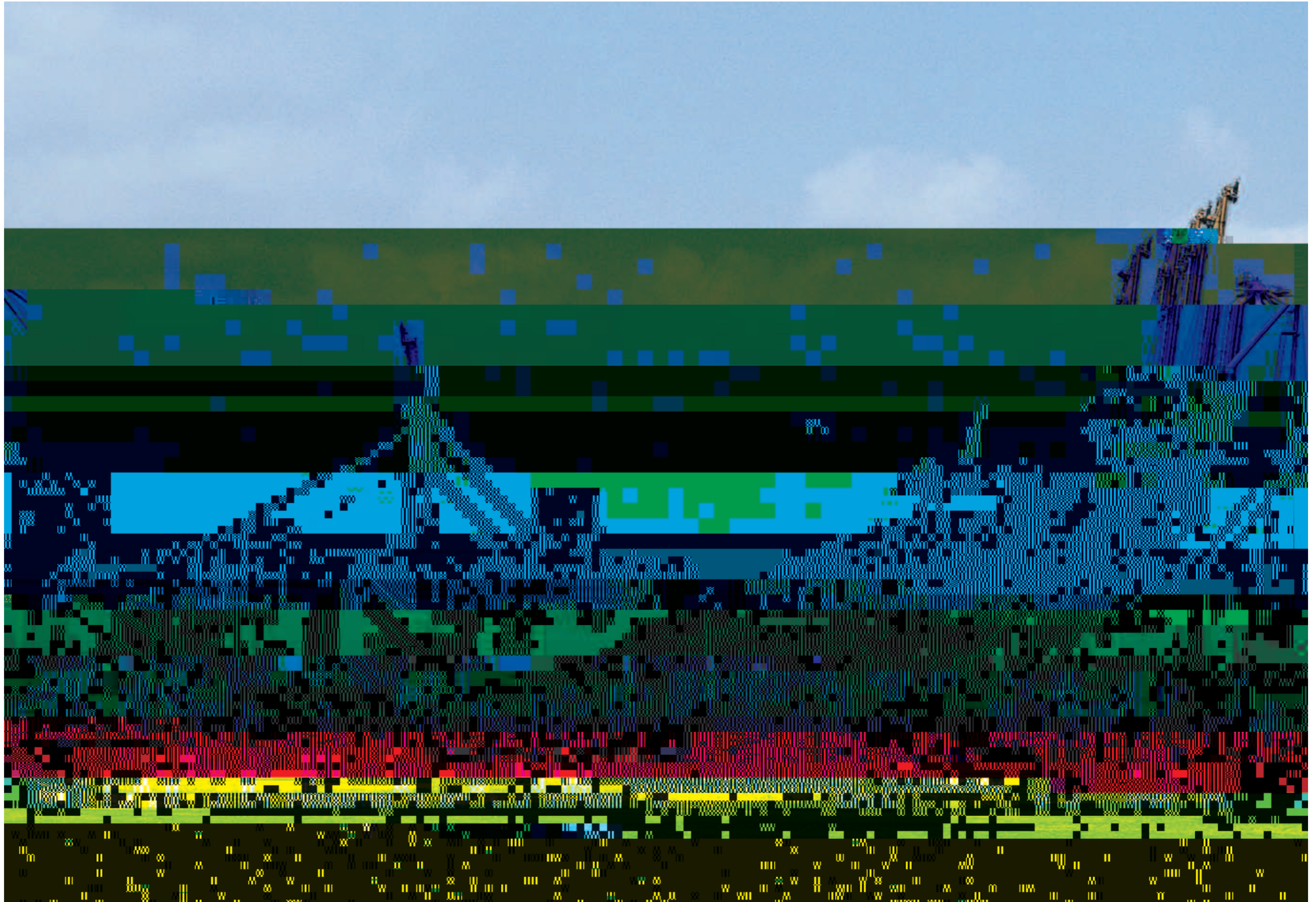


CNBM 2012 中国建材集团

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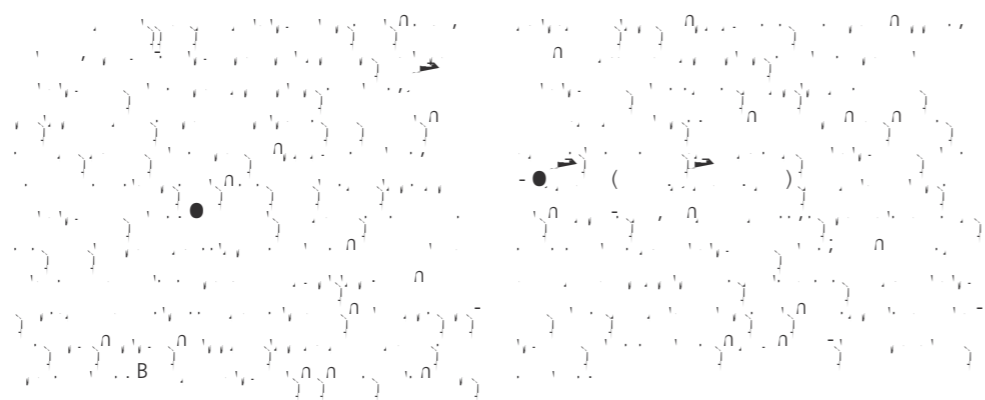


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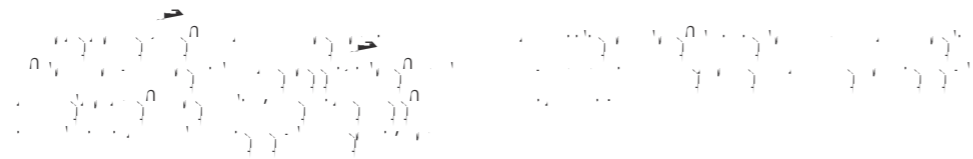
2012年1-6月



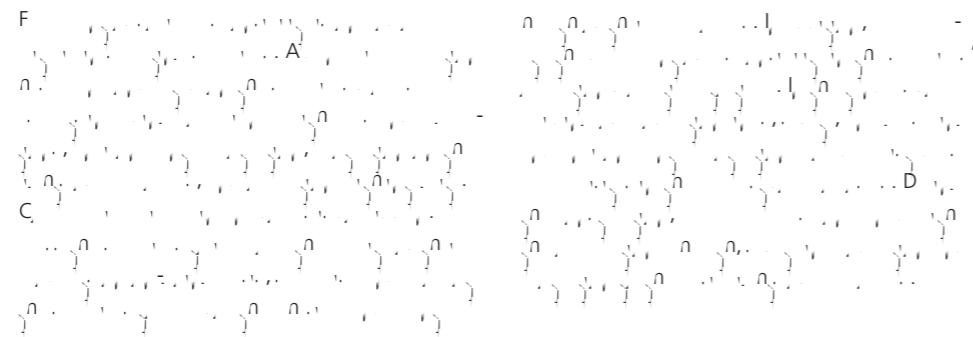
2012年1-6月 中国建材集团 营业收入 981



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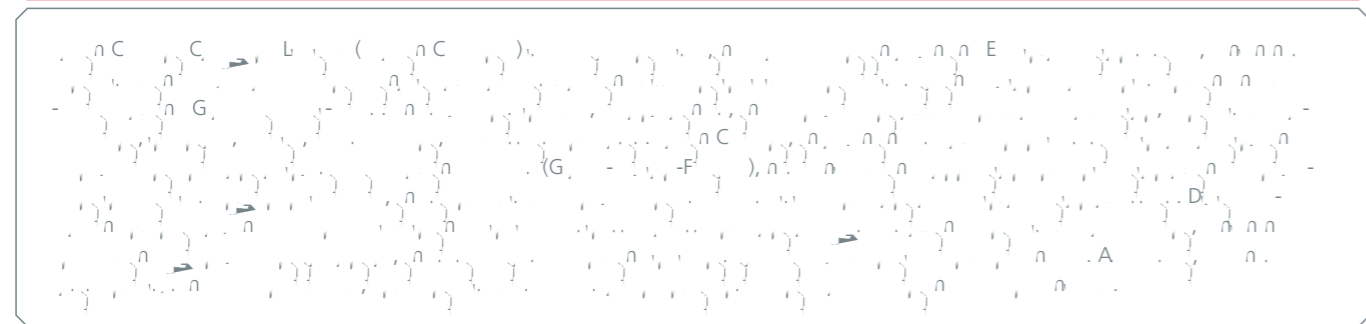
Responsibility of and Evaluation to the Supply Chain



437
2012

12,463
2012

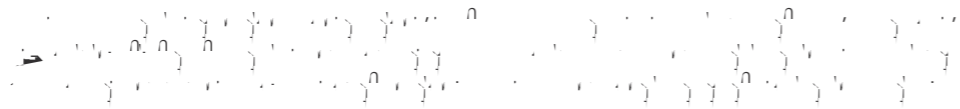
2012, 503



15,901 2012

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A 62,559 2012



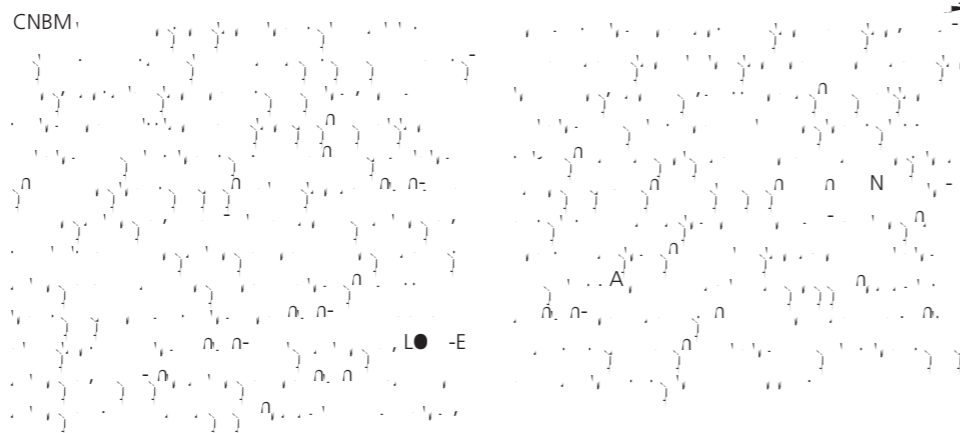
Operating in Compliance with the Law



Implementing National Industrial Policies

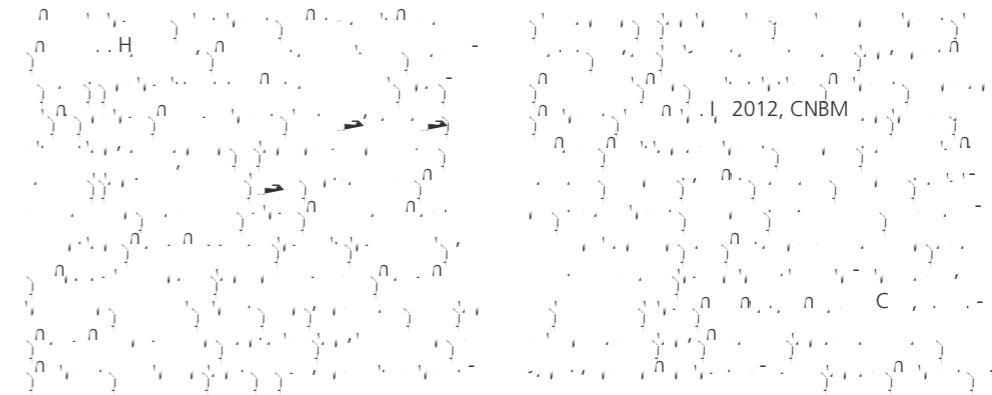
Gao Yunhu, Deputy Director of the Raw Materials Division of the Ministry of Industry and Information Technology

CNBM has made great contribution to the development of the industry and the promotion of technology enhancement in the industry. CNBM is a role model for the building materials and other industries in terms of practice and experience in consolidation and restructuring, innovation and development model formation and management standardisation.



Lei Qianzhi, Honourary President of China Cement Association

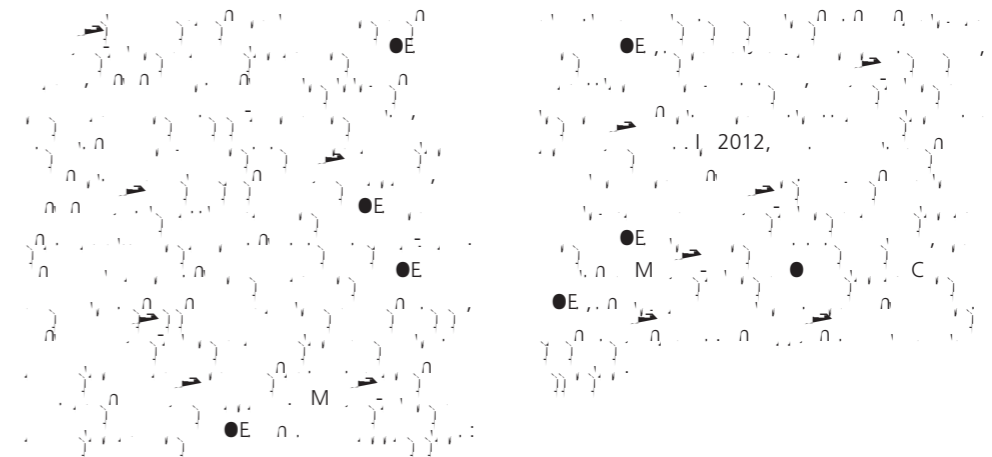
The cooperation between CNBM and the Conch Group has created the integration of resources among big enterprises in the industry. This is very significant, for it would further promote the restructuring and transformation of the building materials industry.



Cai Hongbin, Dean of Guanghua School of Management, Peking University

SOE reforms have been the core of the economic reforms of our country. It is also a huge social practice which involves millions of people. The "Market-oriented Operation of Central SOEs" concept, advocated by Song Zhiping, provides us a comprehensive solution. I believe that the key concepts of "Market-oriented Operation of Central SOEs" will be integral to the theoretical construction of SOE reforms.

Sharing the Management Philosophy of "Market-oriented Operation of Central SOEs"





Responsibility Management



Market Performance



Technological Innovation



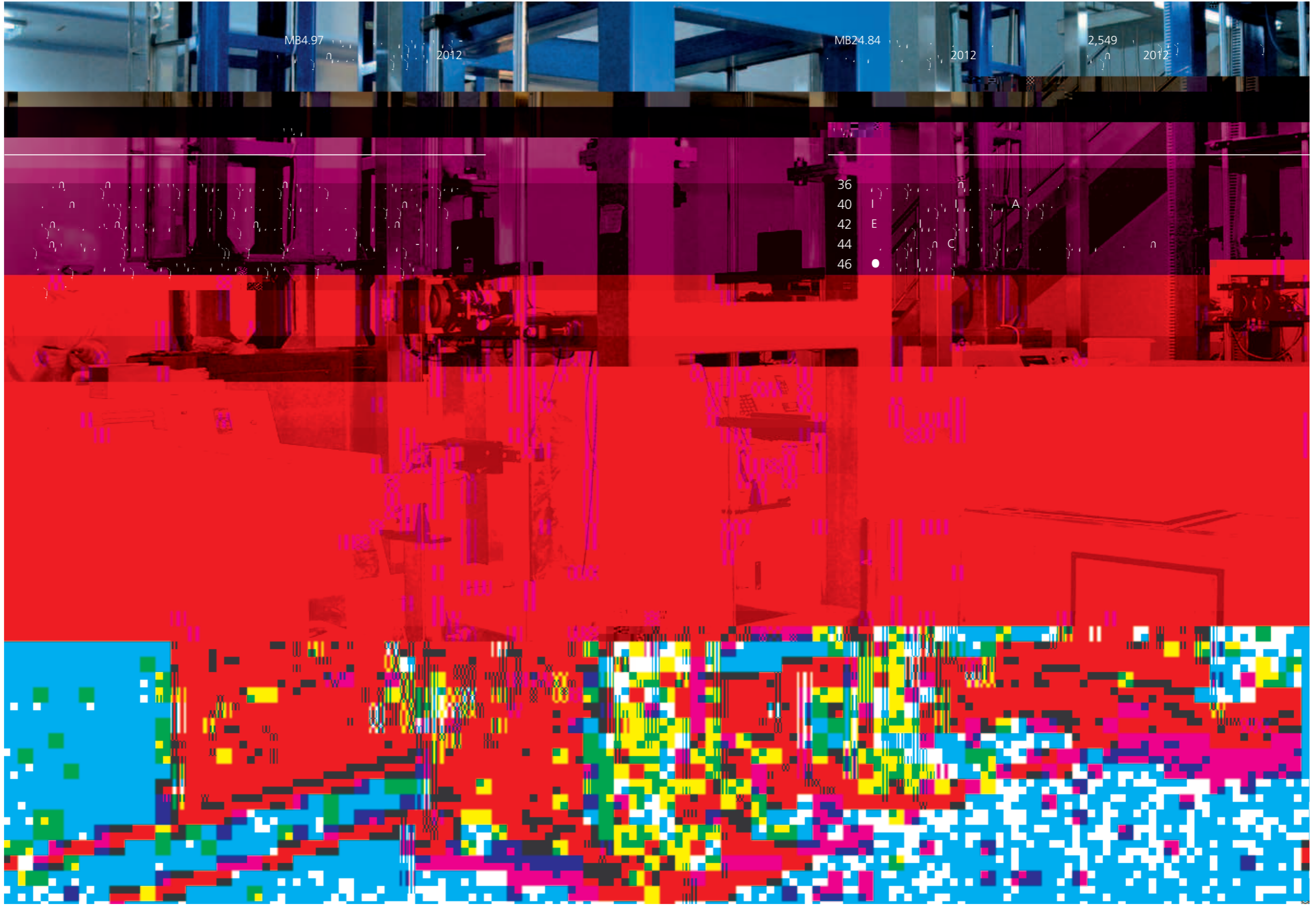
Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



China Building Materials Academy

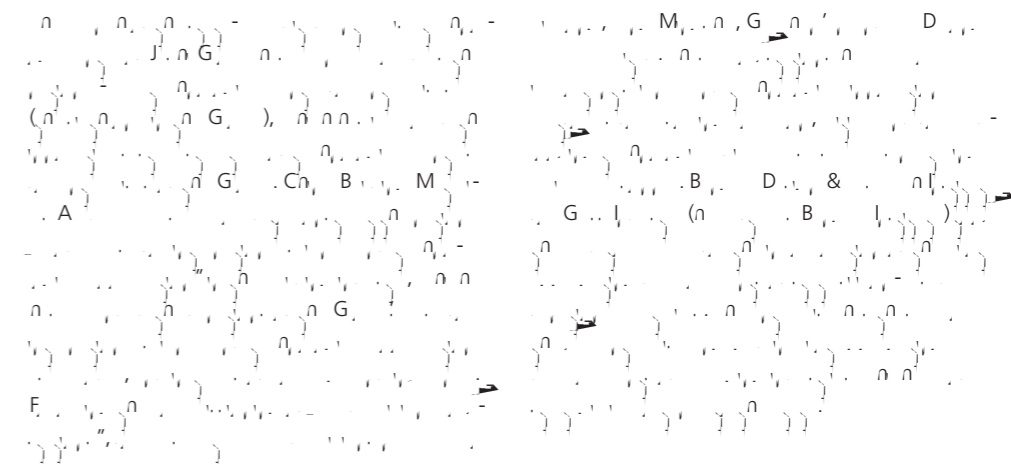
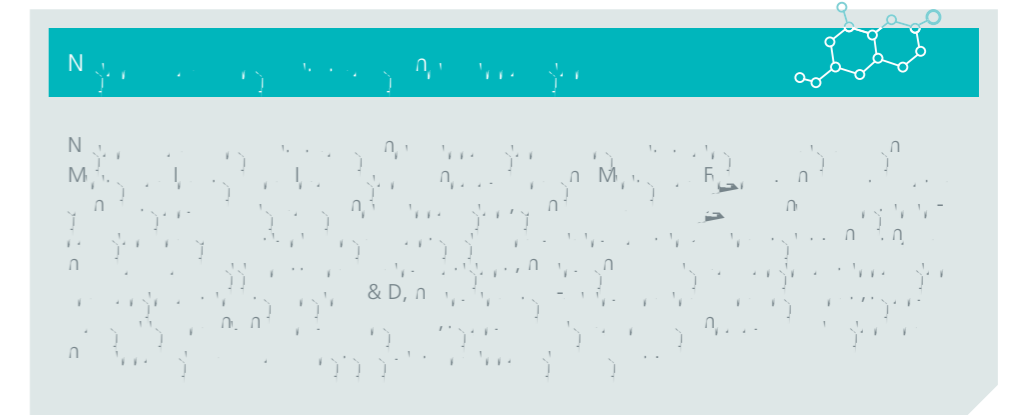
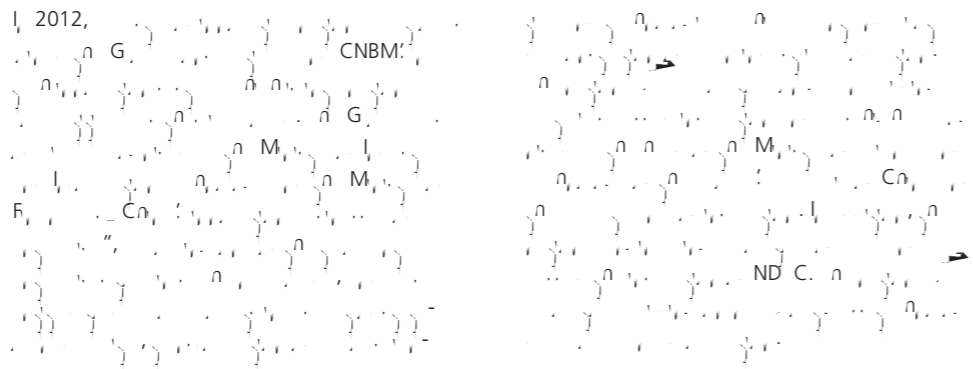
China Building Materials Academy

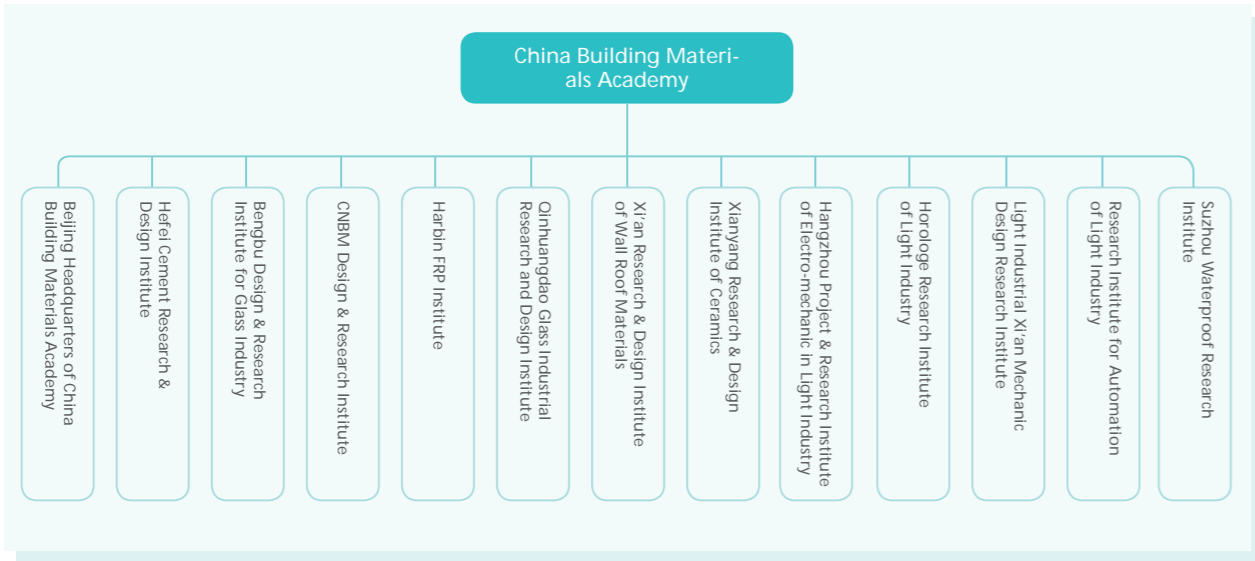
Huang Danhua, Vice Chairman of State-owned Assets Supervision and Administration Commission of the State Council

China Building Materials Academy has managed to leverage the key development opportunity and tapped fully into its resources. It has commenced the integration and opening up of technological resources, the establishment of a scientific research innovative system and mechanism, recruitment and nurturing of talents, industrialisation of scientific research achievements, development of inspection and certification, establishment of corporate culture and other aspects, which has proved to be highly effective. It has contributed to the establishment of the national economy, guided the industry transformation and upgrade and provided the advanced technology for CNBM to grow with stronger international influence.

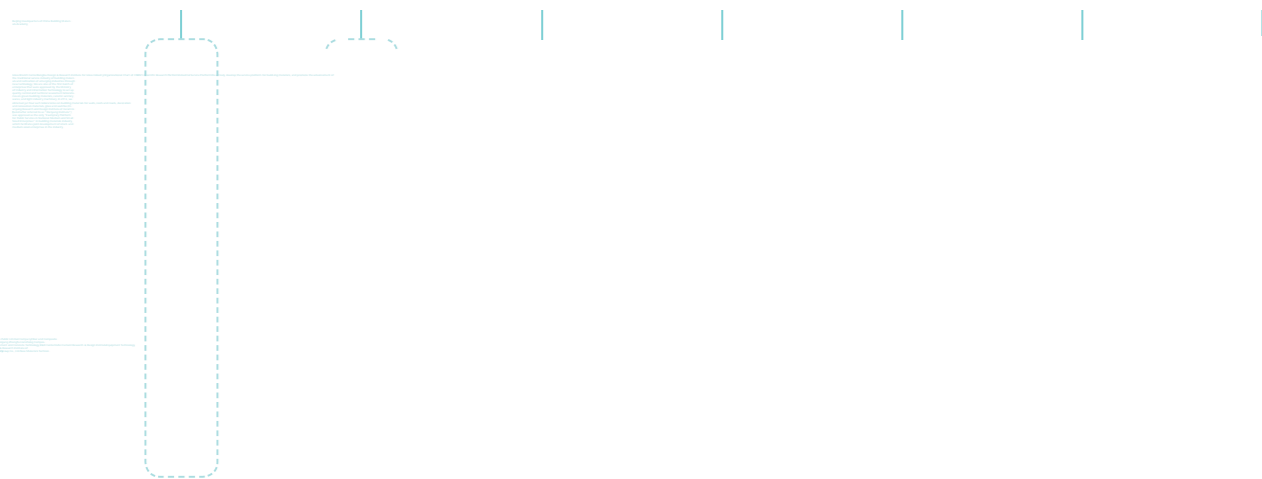


Innovative National Platform



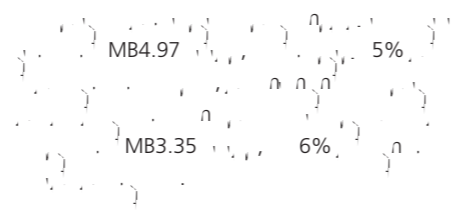


Experts Committee

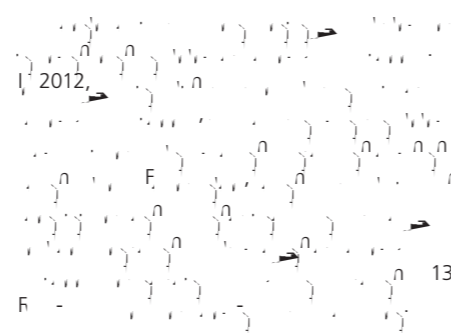
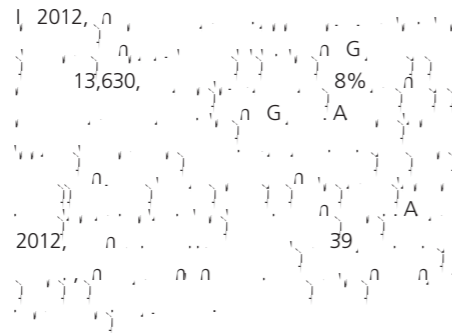


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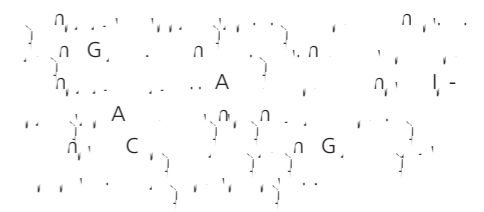
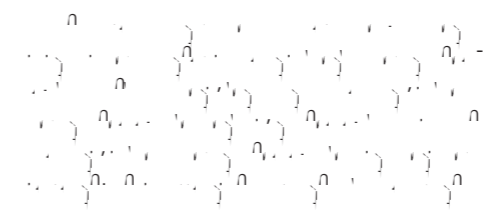
Guarantee of Investment in Scientific Research



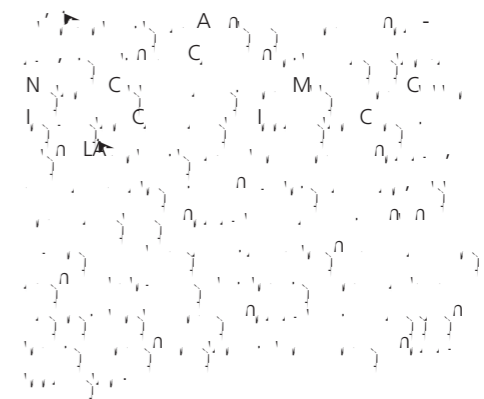
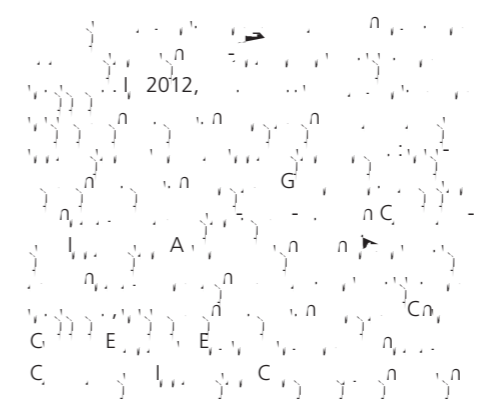
Training Science and Technology Personnel



Improvement in the Innovation Mechanism



Establishment of Innovation Alliance



E

Scientific Research

C 55 2012

C 3 863 2012

C 2 973 2012

Niu Yuesheng, Member of the CPPCC National Committee, Member of the Social and Legal Committee, Former Chairman of Supervisory Committee of the Key State-owned Large Enterprise

CNBM has obtained independent complete intellectual property rights in 10,000 ton clinker production lines. The Group has well mastered the modern production techniques of NSP cement. This is a valuable asset. I hope that CNBM, with the support of national policies, will carry out technical reformation in small-and medium-sized cement companies which consume a large amount of energy and create a great deal of pollution to set an example in technological progress for China's cement industry.

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HFCG200, H
F, N, M
L, E
A, B, M
14. H
A
N
H, F, (n, HFI)

2012, 152

A, 2012, 2,549

2012, 729

Technology Awards

G, 150
2012.

Patents

G, 2012.
766
729
2,549
448

G, 50%
G.

A, C, F
G.



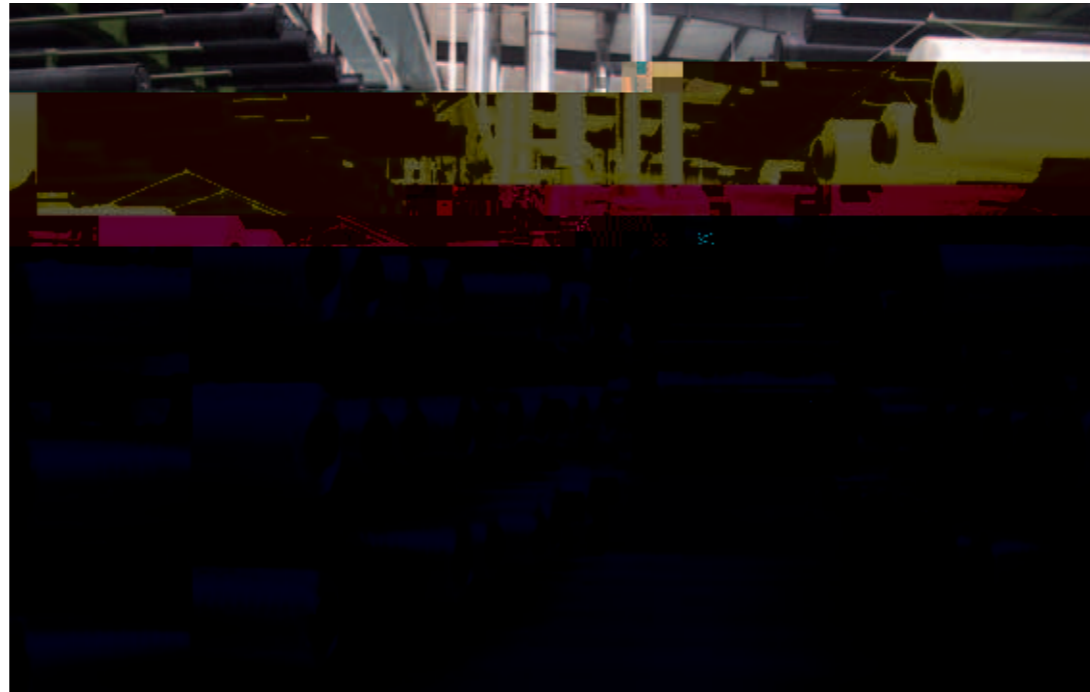
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B

2012 年 12 月 31 日

2012 年 12 月 31 日

2012 年 12 月 31 日



2012 年 12 月 31 日

2012 年 12 月 31 日

External Commendation: Xu Kuangdi, Vice Chairman of the National Committee of the 10th Chinese People's Political Consultative Conference and Honorary Chairman of the Chinese Academy of Engineering

High performance fiber, as an important strategic material in the nation, is widely used in the fields of high-end technology and industry. The enterprises must pay attention to the research of high performance carbon fiber, improve the properties as well as the international competitiveness of the products.

Promoting the Industrialisation of Key Projects

2012 年 12 月 31 日

2012 年 12 月 31 日

External commendation: Li Xueyong, Vice Secretary of Jiangsu Provincial Party Committee and the Governor of Jiangsu Province

The restructuring of CNBM and China Building Materials Academy is a combination of the best resources, which has realised the joint development of research and industry. In addition, the scientific innovation has promoted the transformation and upgrading of enterprises.

The Base Construction for "Three New" Industries

2012 年 12 月 31 日

2012 年 12 月 31 日



Formulation of Standards

2012, 5
2012, 1

2012, 1
2012, 5, 16
2012, 13074
M
H

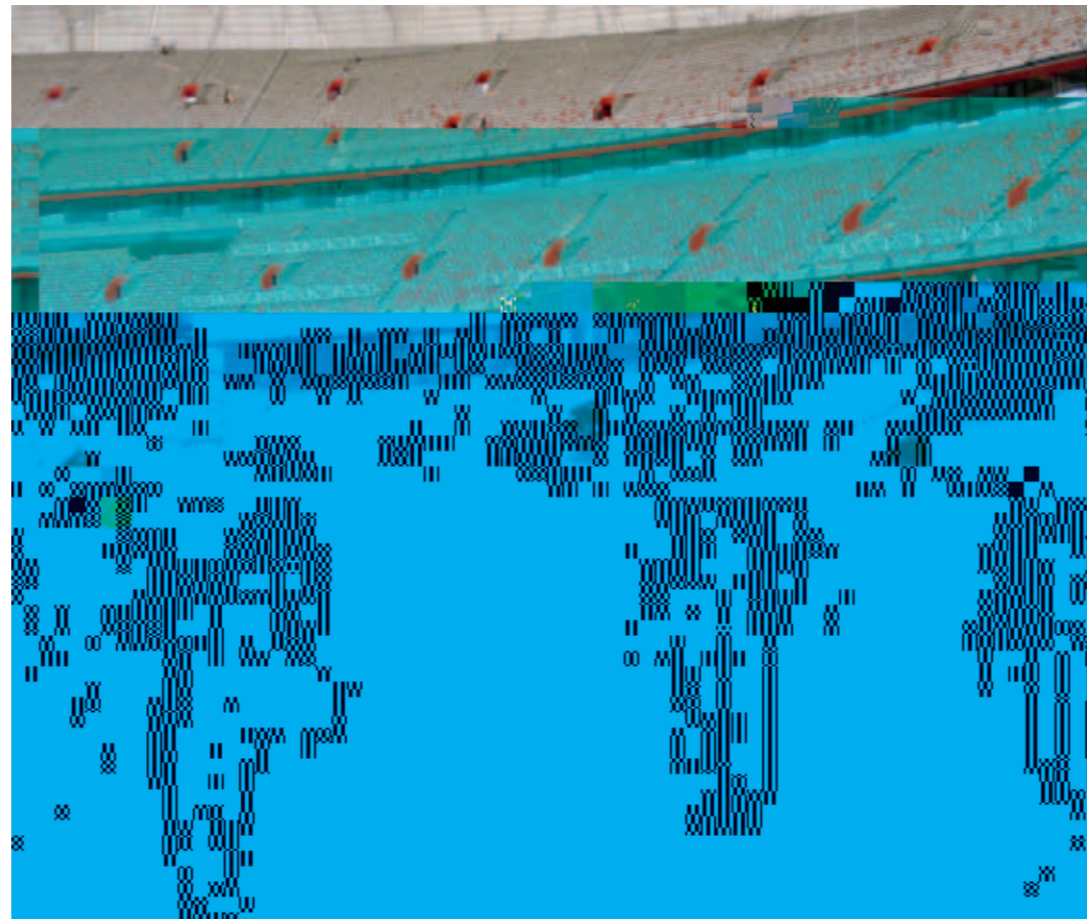
A, C
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H, M, H, A, C, C, E

2012, C, B, M, A, C, B, C, C, A, M, H, A
CNBM

Establishment of Platform for Communication

494
2012
87,170, 2012



Training for Industrial Technicians

2012

8.32
1,000
87,170

Offering Inspection and Certification Service

A, 7
& C
20
A

C, C
B
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Responsibility Management



Market Performance



Technological Innovation



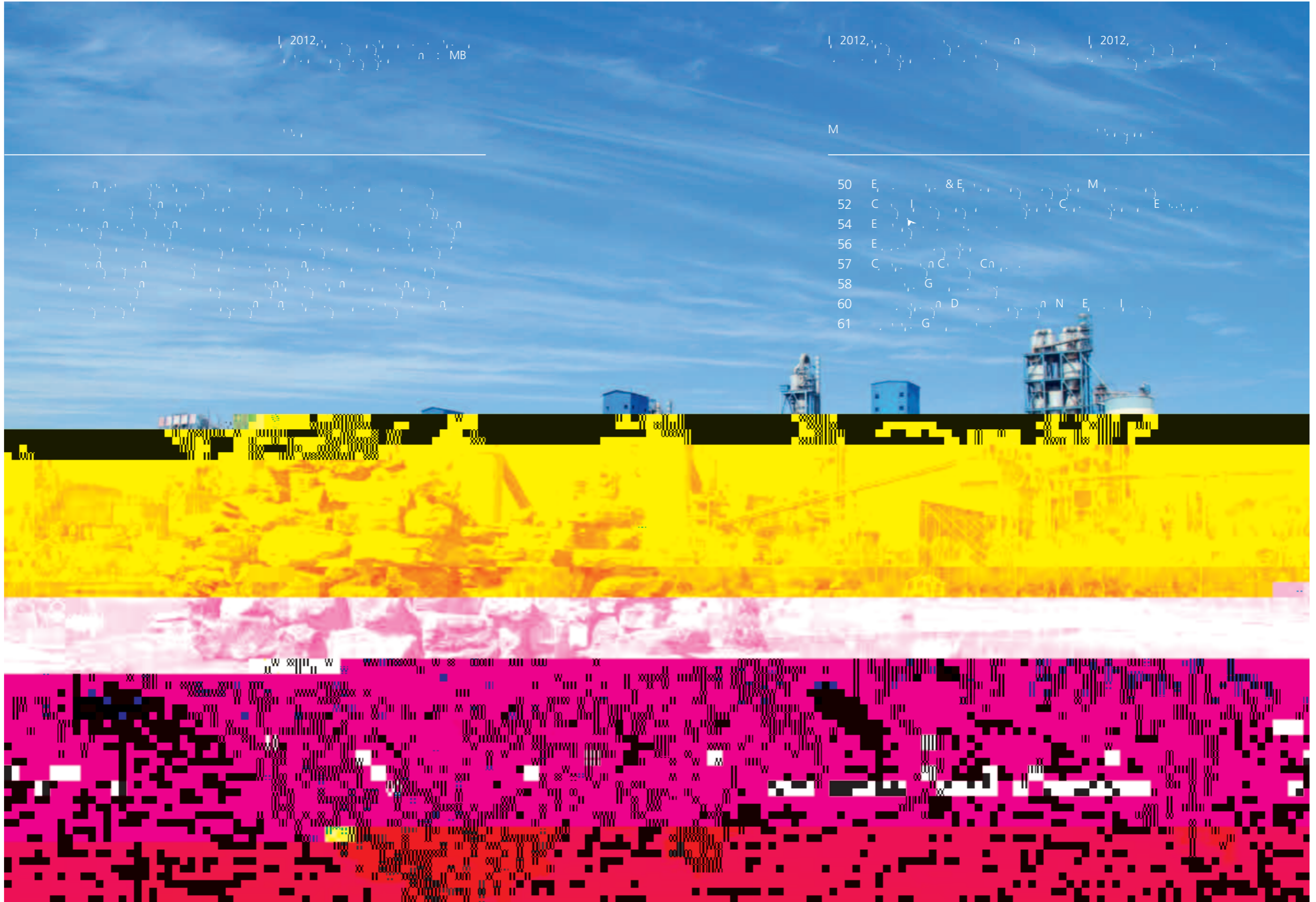
Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



2012, 中国建材集团
环境、能源管理

2012, 中国建材集团
环境、能源管理

环境、能源管理

- 50 环境、能源管理
- 52 中国建材集团环境、能源管理
- 54 环境、能源管理
- 56 环境、能源管理
- 57 中国建材集团环境、能源管理
- 58 环境、能源管理
- 60 中国建材集团环境、能源管理
- 61 环境、能源管理

Concepts and Principles

| 2012, 307

| 2012, 82

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Management System

| 2012, 144

Organization and Team Building

Green Culture

| 2012, 330

| 2012, 1,860

| 2012, 43,381

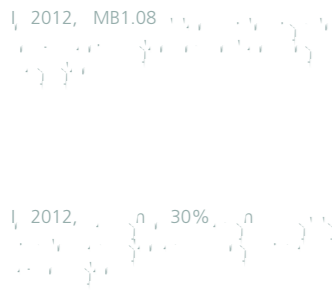
| 2012, MB3.68

Environmental & Energy

Emphasis on Investment in Energy Conservation and Environmental Protection

For 2012, the Group invested 1.08 billion yuan in energy conservation and environmental protection, which is 30% higher than that of 2011.

The Group has completed the construction of 10 energy conservation and environmental protection projects, which have saved 100,000 tons of standard coal and 100,000 tons of water.



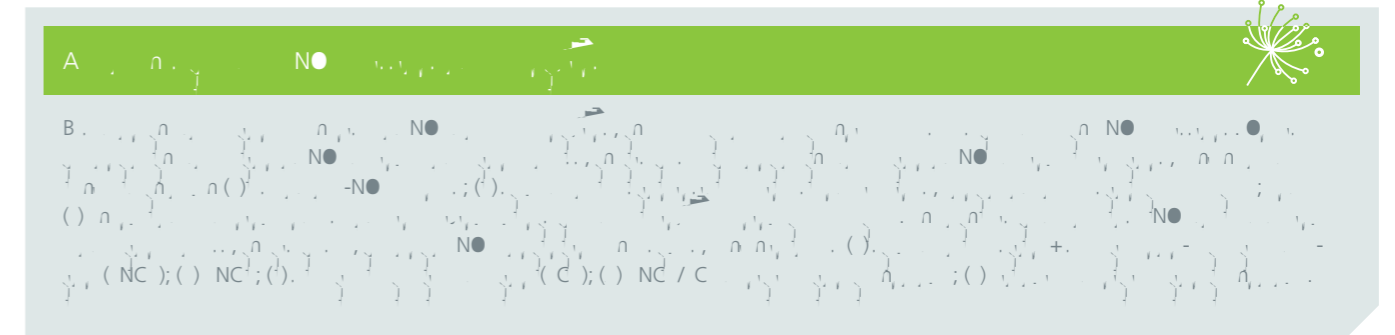
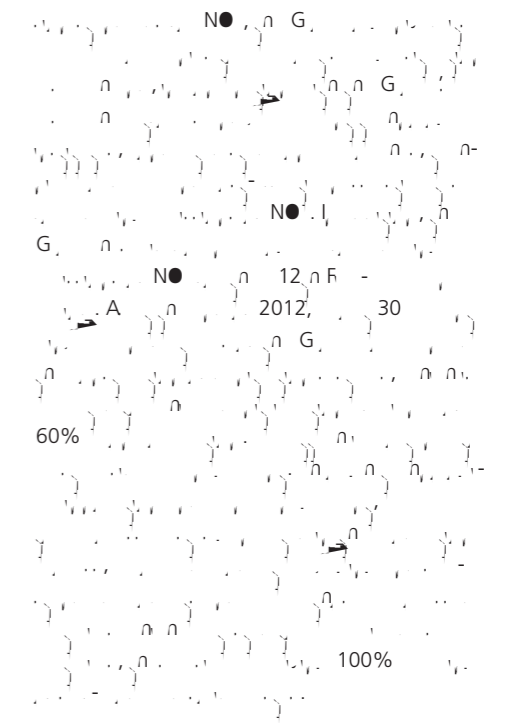
Improvement in Energy Efficiency

The Group has achieved a 100% improvement in energy efficiency, with a 100% reduction in energy consumption per unit of output.

Environmental Governance and Emissions Reduction



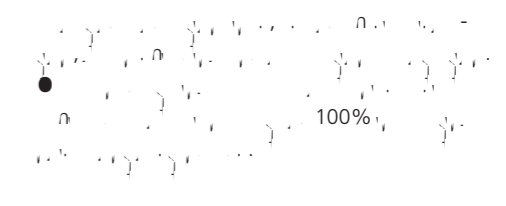
The Group has achieved a 100% reduction in emissions of major pollutants, including SO2, NOx, and COD.



Noise Control



The Group has achieved a 100% reduction in noise levels, with a 100% compliance rate with noise control standards.



E_1 & E_2

A

BNBM

E₁ & E₂

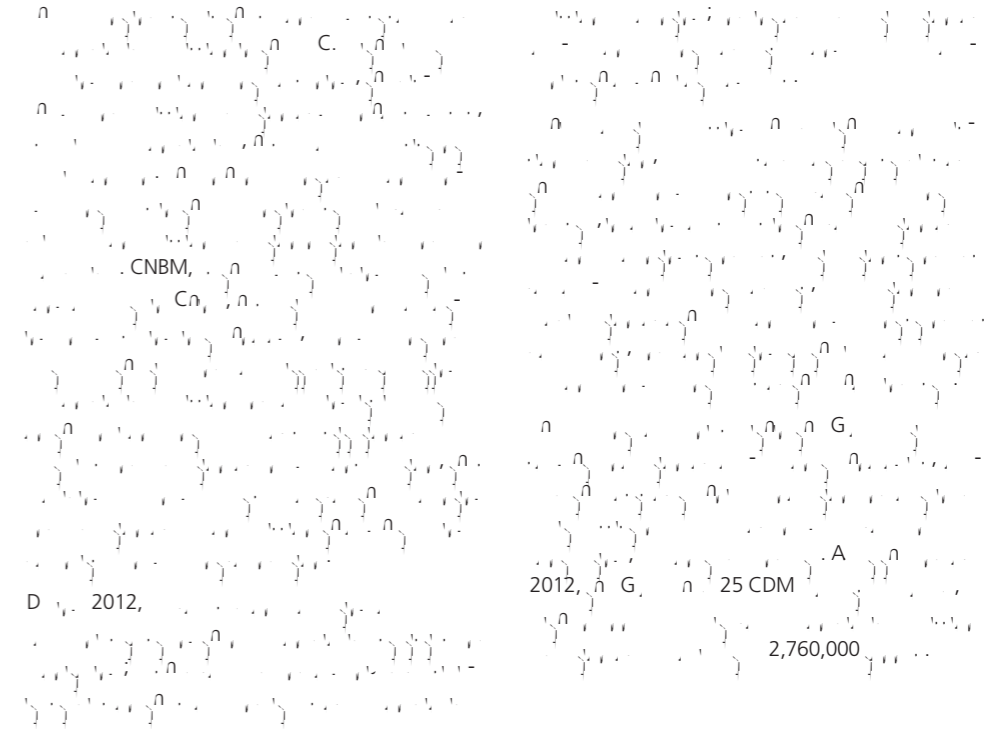
E₁

2012

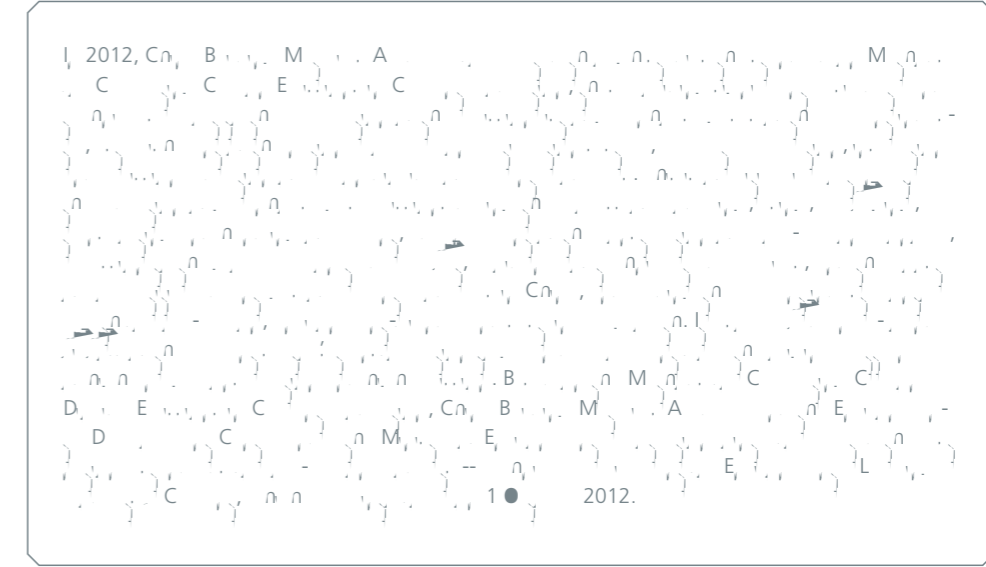
A 17% 2012



C₁ & C₂



F₁ & F₂



25 CDM
2012
CDM
2.76

64%, 2012

Adhering to Green Manufacturing

China National Building Materials Group has always adhered to the green manufacturing concept, continuously improving the green manufacturing level. In 2012, the group's green manufacturing level reached 64%.



Promoting Green Packaging

China National Building Materials Group has always adhered to the green packaging concept, continuously improving the green packaging level. In 2012, the group's green packaging level reached 90%.

Advocating Green Consumption

China National Building Materials Group has always advocated green consumption, continuously improving the green consumption level. In 2012, the group's green consumption level reached 90%.

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Adhering to Green Manufacturing

In 2012, China National Building Materials Group has always adhered to the green manufacturing concept, continuously improving the green manufacturing level. In 2012, the group's green manufacturing level reached 64%.

China National Building Materials Group has always adhered to the green packaging concept, continuously improving the green packaging level. In 2012, the group's green packaging level reached 90%.

Advocating Green Consumption

China National Building Materials Group has always advocated green consumption, continuously improving the green consumption level. In 2012, the group's green consumption level reached 90%.

E₁ & E₂

N E₁ D

D

C₁ G₁ C₂ L₁ (C₁ G₁)

C₁ G₁ C₂ L₁ (C₁ G₁)

B₁ D₁ & G₁ (B₁ D₁)

Li Xueyong, Deputy Secretary of the Provincial Party Committee and Governor of Jiangsu

"Against the odds of all-round challenges in the domestic wind power industry, Zhongfu Lianzhong still managed to realize export of its blades, which fully demonstrated its leading position and strength in the sector. The right thinking on development, rapid growth speed, constantly upgrading product-related technologies and materials, and rising competitiveness all point to the direction of its transformation and upgrade; Zhongfu Lianzhong is expected to achieve more and better performances ahead."



62-5-M G (GL). A GL A GL C₁

G

C IEC n₁ n₂ E₁ A C₁ L₁ (n₁ n₂) (400)



Responsibility Management



Market Performance



Technological Innovation



Energy Saving & Environmental Protection



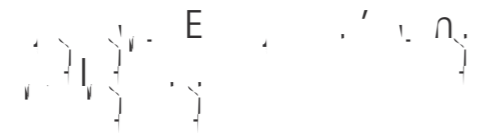
Employee Care



Corporate Citizen



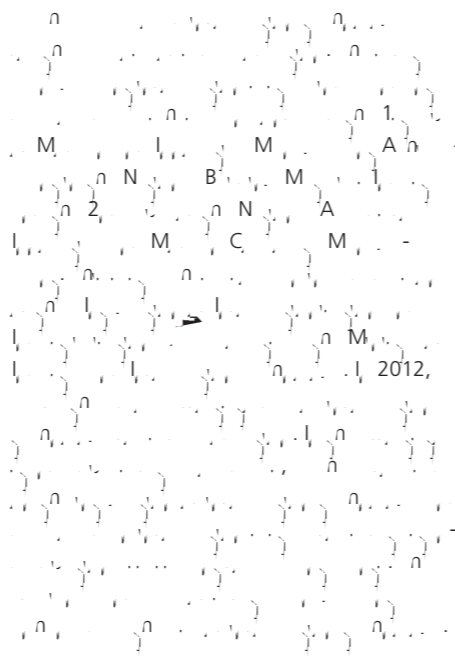
E C





Improving the Management System

2012
2.35



Ensuring Investment in Safety

A MB303.24
2012



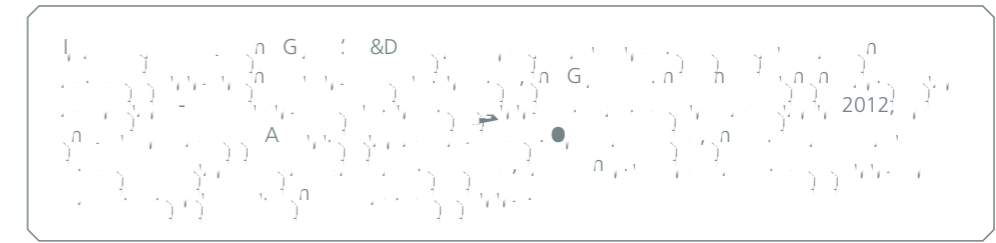
2012, G MB303.24



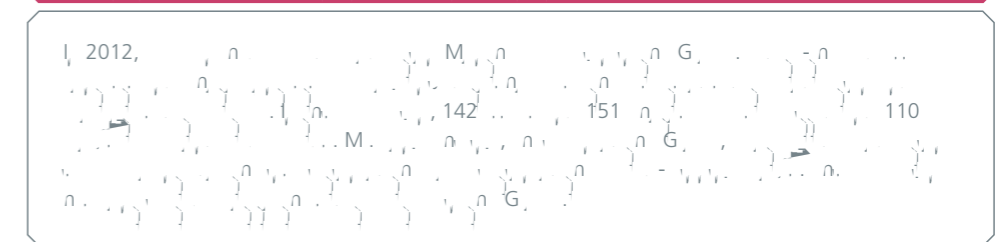
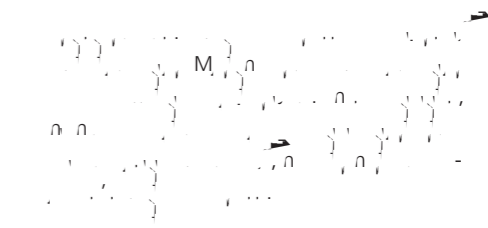
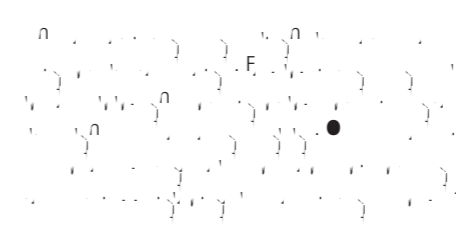
Giving Importance to Safety Training



B



Promoting Safety Culture



156
2012
138,888
2012

Sun Huashan, vice director of State Administration of Work Safety

"As a central SOE and a pioneering enterprise in China's building materials industry, CNBM has set a good example in production safety, as it does an effective job in setting standardized safety procedures and participates in the drafting of safety standards for multiple industries like cement, glass and gypsum boards. It also propels itself to meet relevant standards and has achieved good results. CNBM helps to improve the safety standards in the building materials industry and sets a good example in the safety procedure standardization drive for China's manufacturing and trade enterprises."

Promoting Safety Management Procedures Standardisation

As a central SOE and a pioneering enterprise in China's building materials industry, CNBM has set a good example in production safety, as it does an effective job in setting standardized safety procedures and participates in the drafting of safety standards for multiple industries like cement, glass and gypsum boards. It also propels itself to meet relevant standards and has achieved good results. CNBM helps to improve the safety standards in the building materials industry and sets a good example in the safety procedure standardization drive for China's manufacturing and trade enterprises.

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Setting Great Store by Occupational Health

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Management of Hazardous Chemicals

As a central SOE and a pioneering enterprise in China's building materials industry, CNBM has set a good example in production safety, as it does an effective job in setting standardized safety procedures and participates in the drafting of safety standards for multiple industries like cement, glass and gypsum boards. It also propels itself to meet relevant standards and has achieved good results. CNBM helps to improve the safety standards in the building materials industry and sets a good example in the safety procedure standardization drive for China's manufacturing and trade enterprises.

Improving Emergency Management System

As a central SOE and a pioneering enterprise in China's building materials industry, CNBM has set a good example in production safety, as it does an effective job in setting standardized safety procedures and participates in the drafting of safety standards for multiple industries like cement, glass and gypsum boards. It also propels itself to meet relevant standards and has achieved good results. CNBM helps to improve the safety standards in the building materials industry and sets a good example in the safety procedure standardization drive for China's manufacturing and trade enterprises.

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A, 93%, 2012

3, 2012

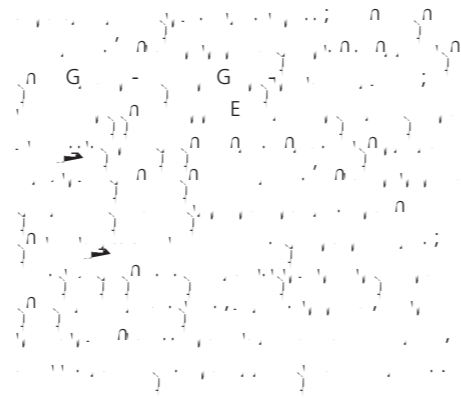
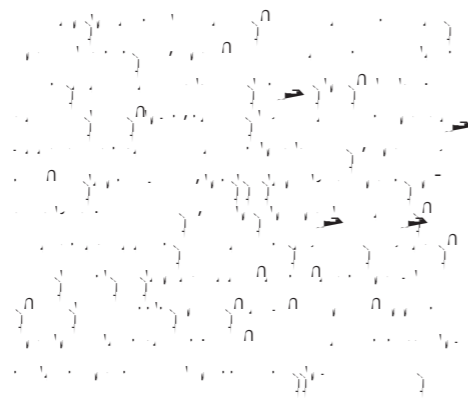
186, 2012

A, 2012

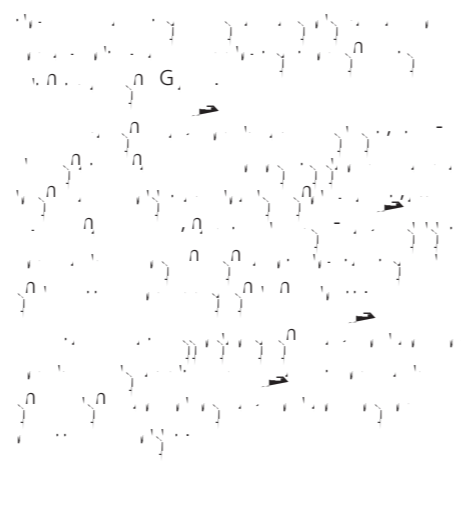
Enhancing Safety Management System

As a central SOE and a pioneering enterprise in China's building materials industry, CNBM has set a good example in production safety, as it does an effective job in setting standardized safety procedures and participates in the drafting of safety standards for multiple industries like cement, glass and gypsum boards. It also propels itself to meet relevant standards and has achieved good results. CNBM helps to improve the safety standards in the building materials industry and sets a good example in the safety procedure standardization drive for China's manufacturing and trade enterprises.

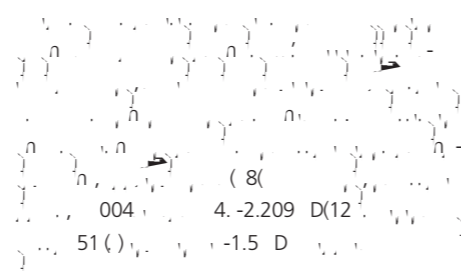
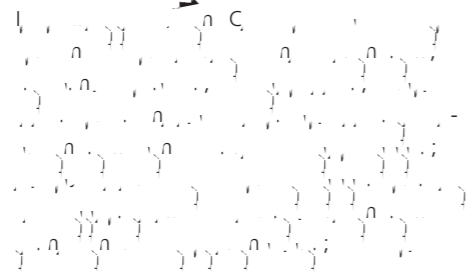
Helping Employees in Need



Caring about Special Group of Employees



Enriching the Life of Staff





Responsibility Management



Market Performance



Technological Innovation



Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



2012: MB

N 2012

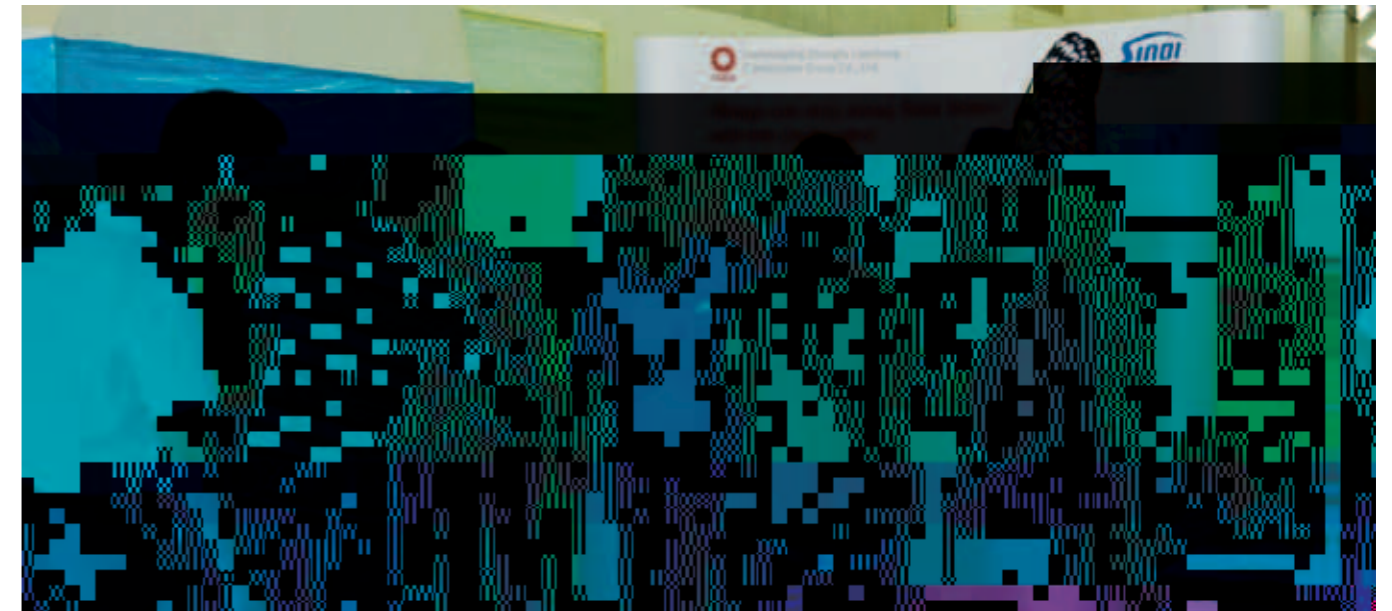
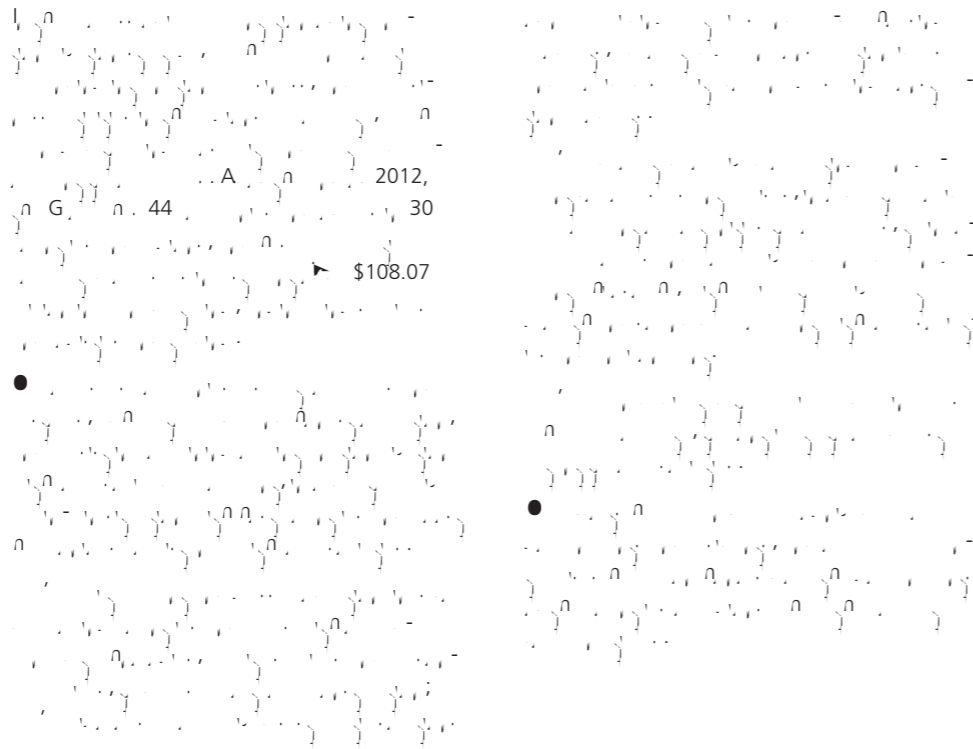
H 2012

2012年，集团深入贯彻落实科学发展观，紧紧围绕“稳增长、调结构、促改革、惠民生”的工作主线，积极应对复杂多变的经济形势，坚持稳中求进，改革创新，攻坚克难，实现了全年生产经营主要指标圆满完成，为集团实现“十二五”良好开局奠定了坚实基础。

74 集团生产经营主要指标完成情况
76 集团主要财务指标完成情况
77 集团主要运营指标完成情况
78 集团主要环保指标完成情况
79 集团主要安全指标完成情况



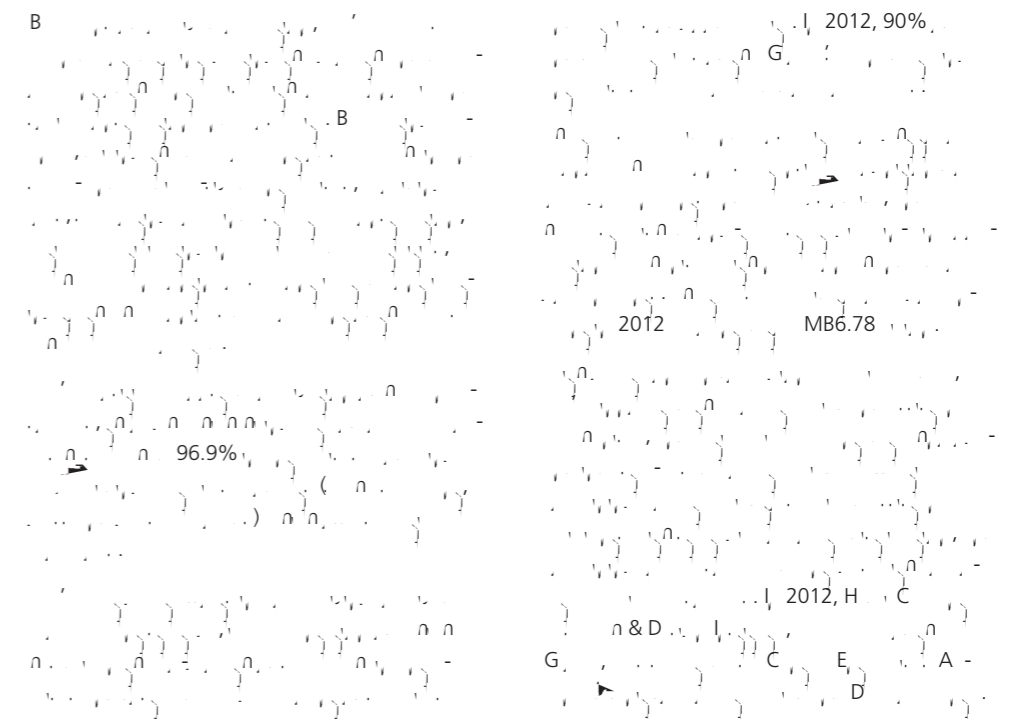
International Activities



Domestic Activities

Zhang Dejiang, Vice Premier of the State Council

"The Central Committee of the Communist Party and the State Council put great emphasis on the work of poverty relief and development. CNBM's investment in and cooperation with Shizhu inject new impetus to the local economic development. Unlike poverty relief in the past, CNBM focuses on establishing industries and leaving real benefits through cooperation. CNBM needs to follow the law of market economy in conducting its business, developing industrial and other kinds of enterprises in Shizhu based on the local resources, the development strategy as a central enterprise and its own development strength, which could promote the development of Shizhu and the central enterprise at the same time."



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A MB10.15 2012

255 2012

2012, n G
255

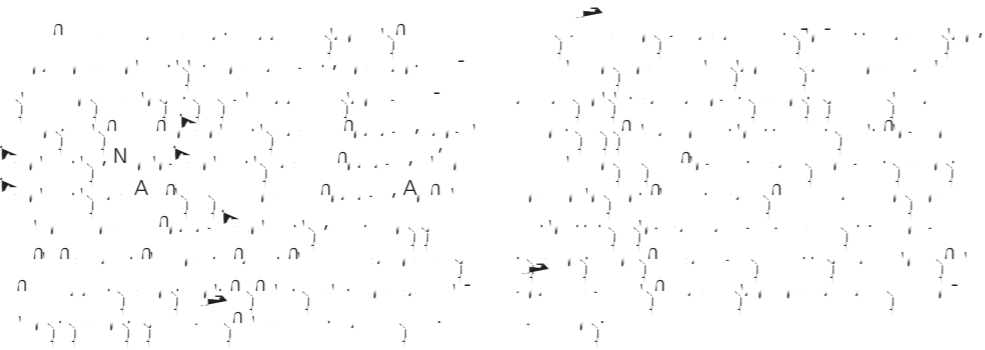
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↓ 2012,

20. 2012

466. 2012

↓ 2012, 17,815

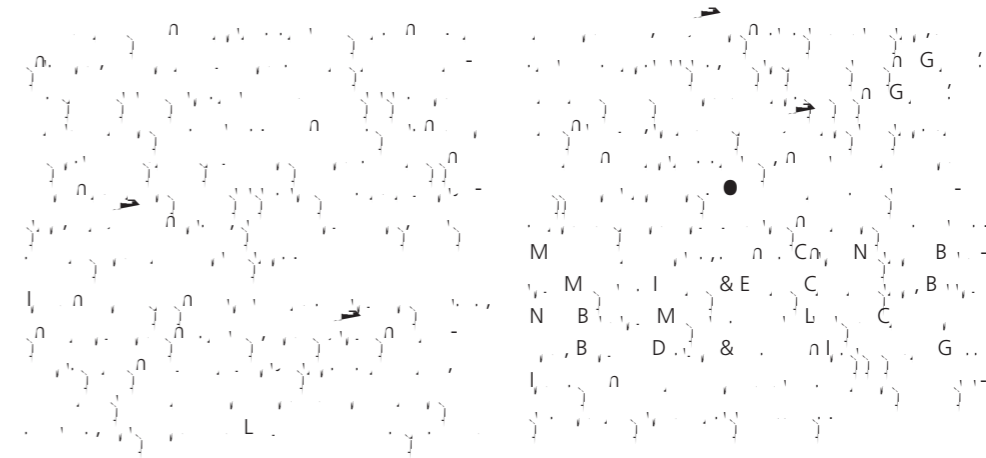


A 0.91 2012

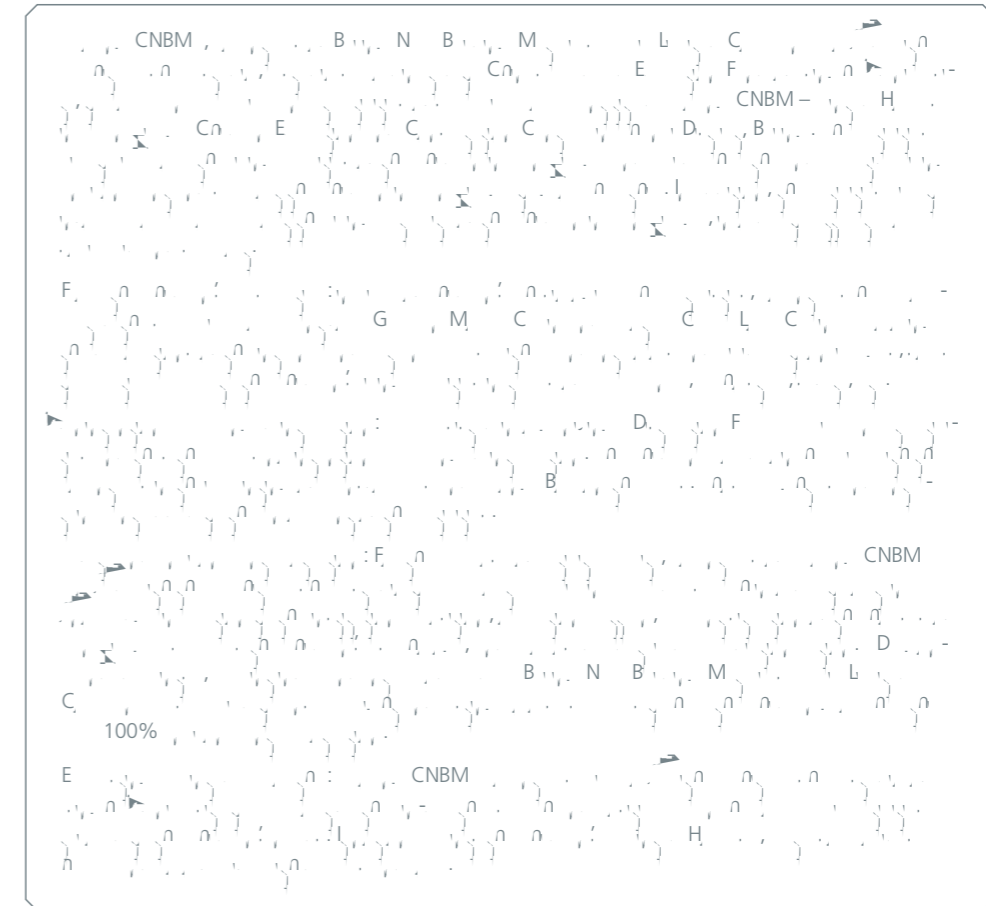
↓ 2012, 39,778

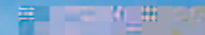


E



CNBM H





L. 2013, n. 1, p. 100. CNBM: Cn, D, A, F.

2013, n. 1, p. 100. M, D, G.

CNBM: Cn, D, A.

CNBM: Cn, D, A.





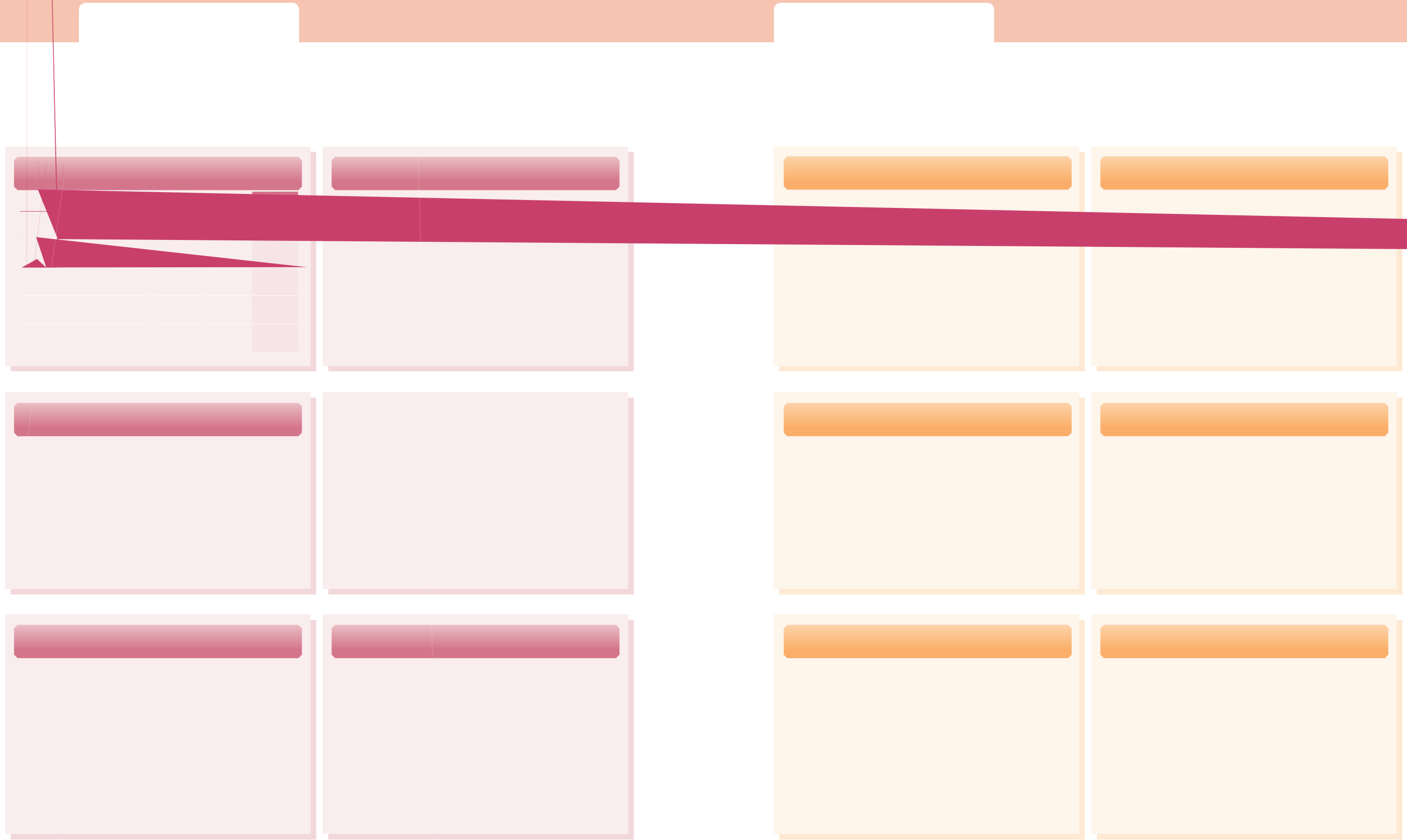
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中国企业管理科学研究所

企业社会责任研究中心

中国企业管理科学研究所

企业社会责任研究中心

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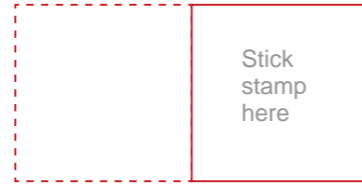
Feedback Questionnaire





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Stick
stamp
here

Room 2216, Building 2, Guohai Plaza,
No. 17 Fuxing Road, Haidian District,
Beijing

Office of Social Responsibility and Energy Saving and Environmental Protection
China National Building Materials Group Corporation

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