

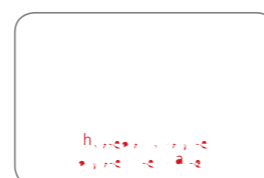
2012

CHINA NATIONAL BUILDING MATERIALS GROUP CORPORATION

Social Responsibility Report

CHINA NATIONAL BUILDING MATERIALS GROUP CORPORATION

2012 Social Responsibility Report



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About this report: h_1, h_2, h_3, h_4
 $Ch_1, Na_1, a_1, B_1, Ma_1$
 $a_1, G_1, G_2, a_2, (CNBM)$
 h_1, h_2, h_3, a_1, h_2
 $CNBM'$
 a_1, a_2
 a_1, a_2

Period covered by the report: 1 January to 31 December 2012; the following year, 1 January to 31 December 2013, has not yet been analysed.

Reporting frequency: Annually

Member companies covered by the report:

A h e b s e r v e r s (4)
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Referential guidelines:

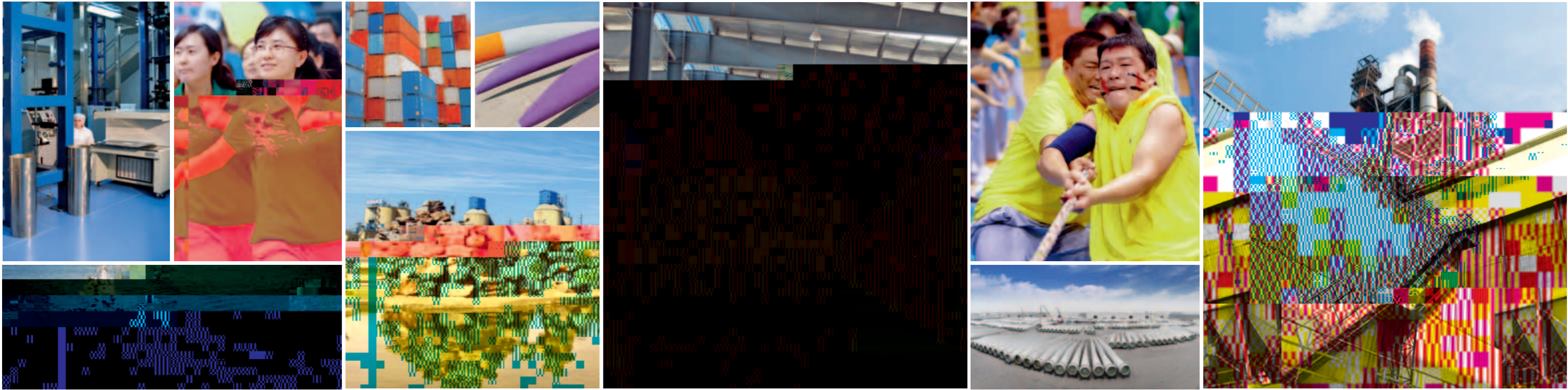
Data sources: A

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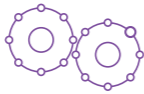
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SONG ZHIPING
CHAIRMAN OF CNBM

Leadership and Development
Building a Great China

2012, CNBM has achieved significant milestones. In the first half of the year, we have successfully completed the restructuring of the Group, which has laid a solid foundation for our future development. We have also achieved a number of key business goals, including the successful completion of the 500th anniversary celebration of the Group, which has further strengthened our brand influence and market position. In addition, we have also achieved a number of key business goals, including the successful completion of the 500th anniversary celebration of the Group, which has further strengthened our brand influence and market position. In addition, we have also achieved a number of key business goals, including the successful completion of the 500th anniversary celebration of the Group, which has further strengthened our brand influence and market position.

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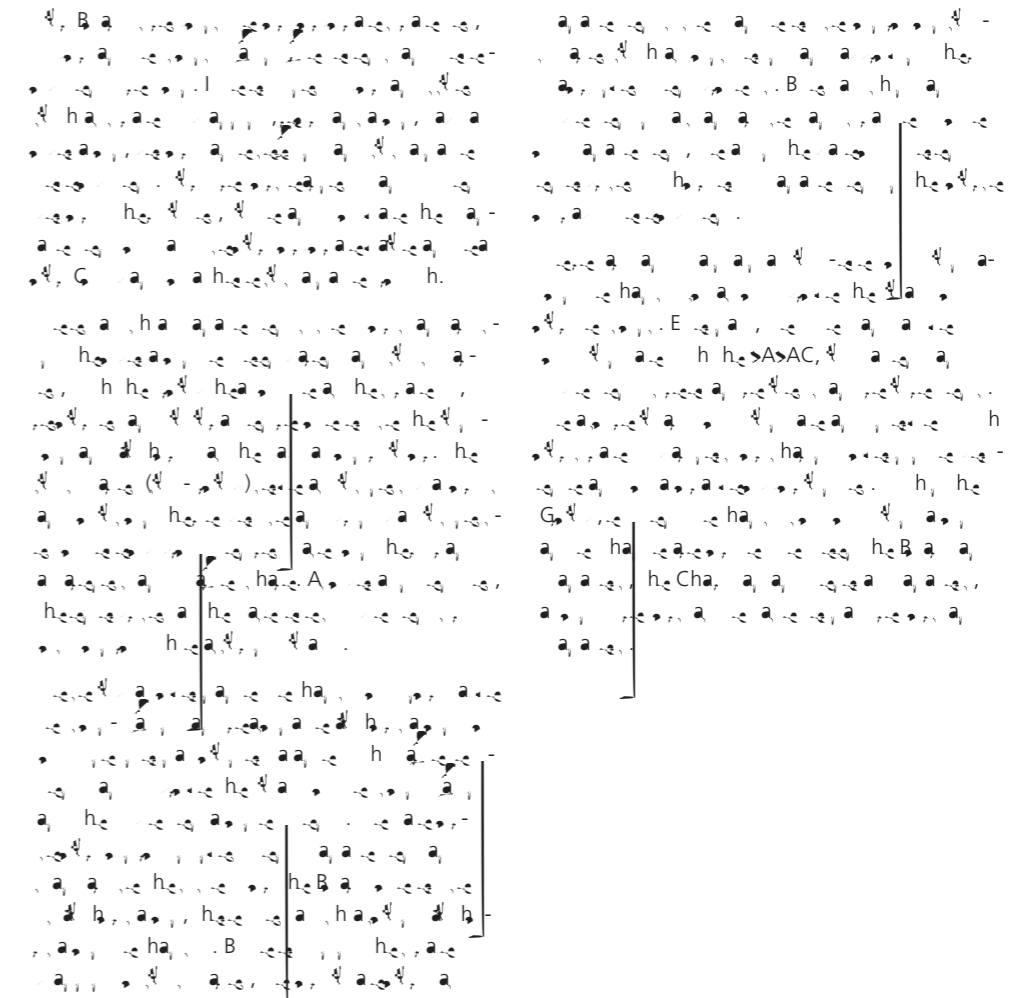
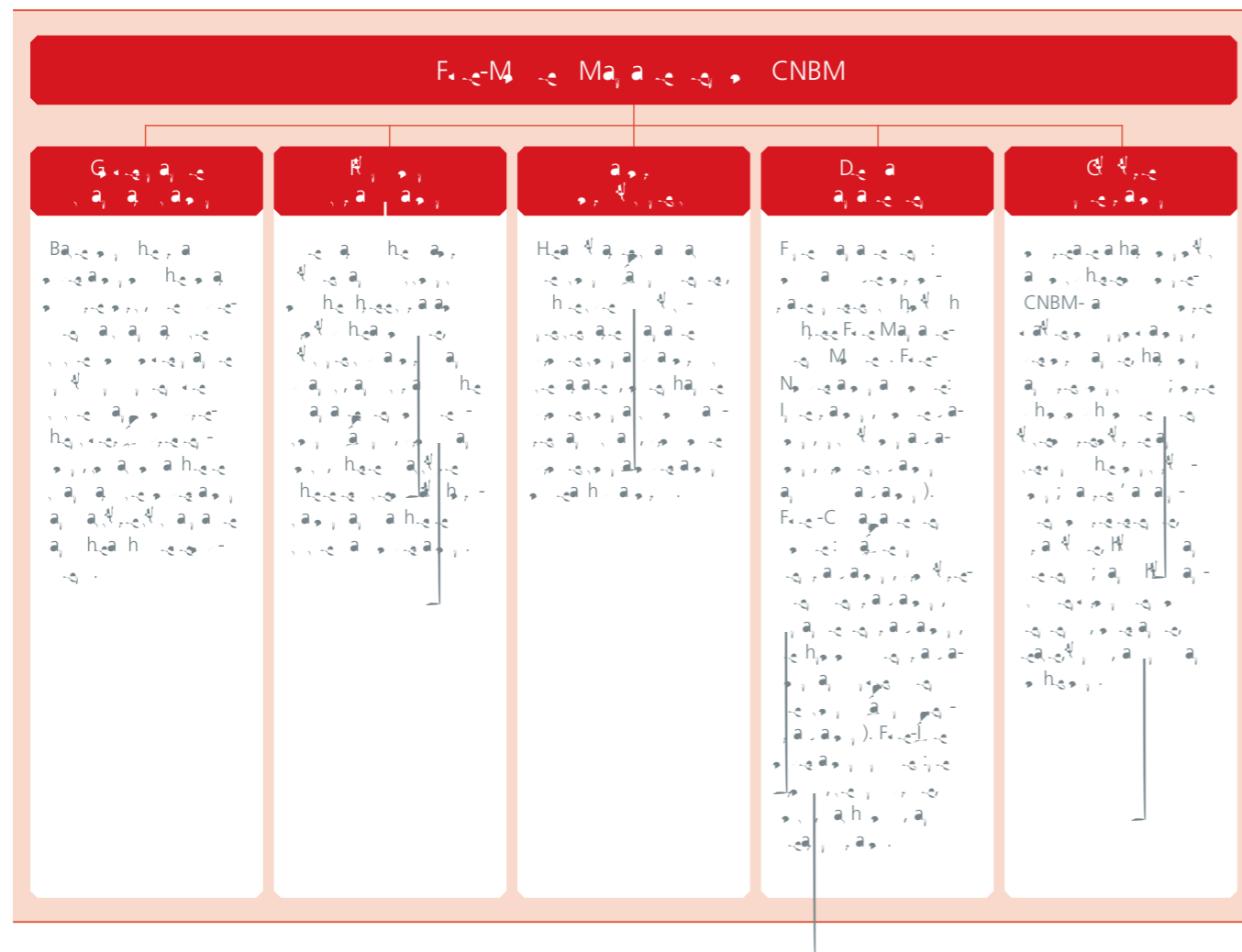
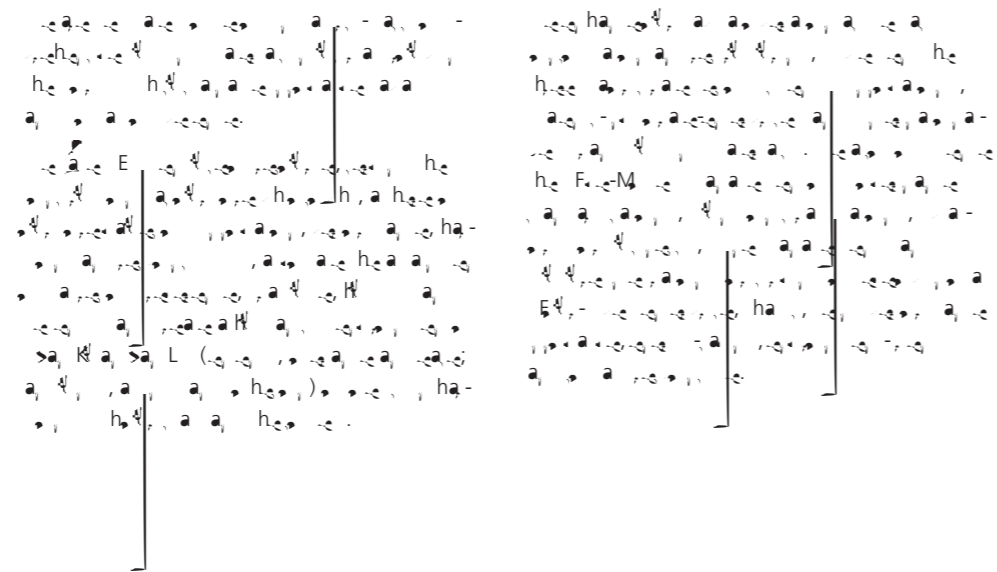
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Signature of Song Zhiping



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8, 2012

33. *h. B. a. 2012*

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

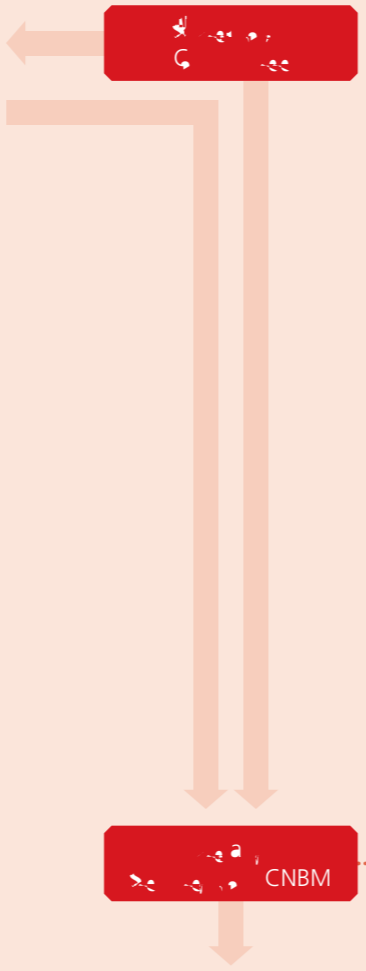
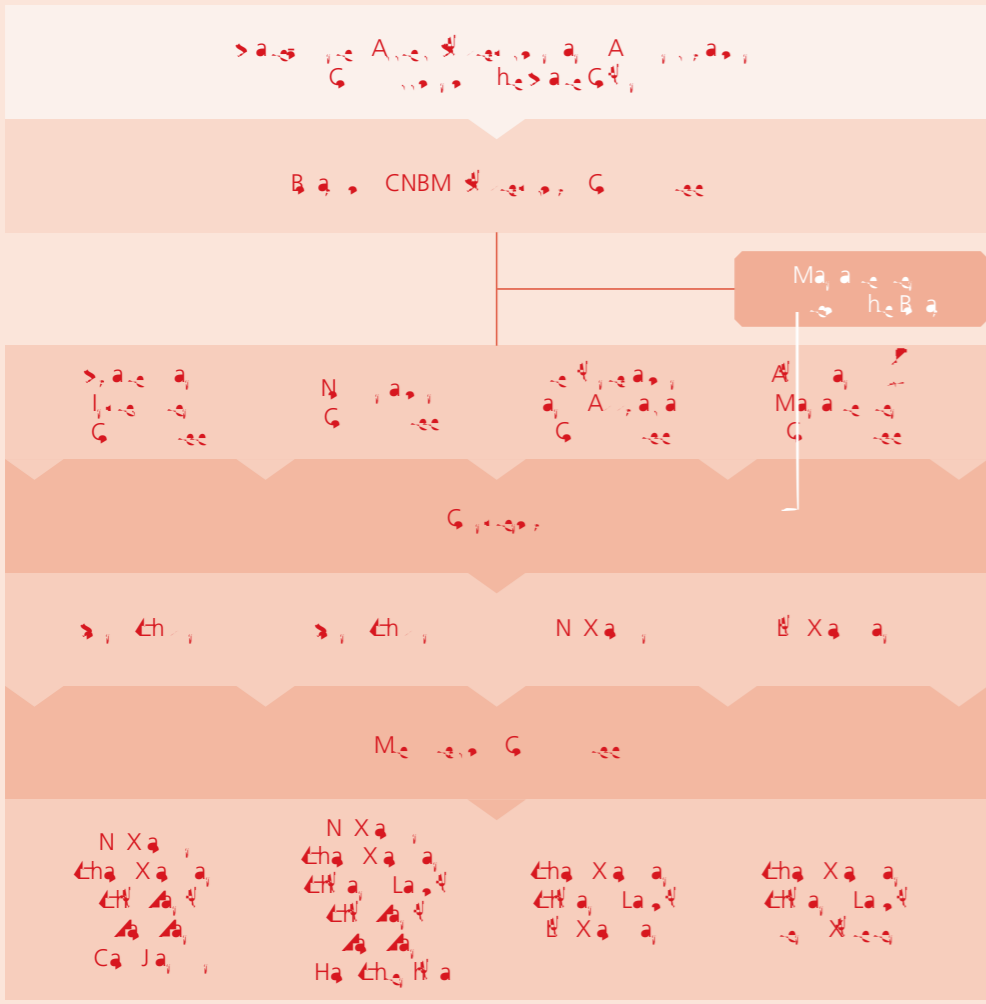
The Board of CNBM conscientiously discharges its duties, prudently regulates its decisions and plays an important role in determining the direction of corporate development. The operation of the Board is satisfactory, it achieves stable re-election with its organisational structure further optimised. 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.

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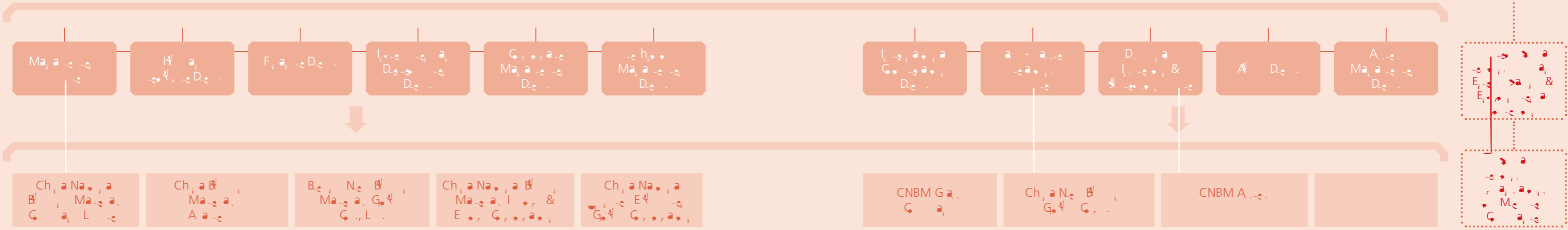
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Corporate Governance 公司治理 CNBM

Major Shareholder 主要股东



Board of Directors 董事长 副董事长 董事	Chairman 董事长 副董事长 董事	Vice Chairman 副董事长 董事	Chairman of the Supervisory Board 监事会主席 监事	Vice Chairman of the Supervisory Board 监事会副主席 监事	Chairman of the Audit Committee 审计委员会主任 委员	Vice Chairman of the Audit Committee 审计委员会副主任 委员	Chairman of the Compensation Committee 薪酬委员会主任 委员	Vice Chairman of the Compensation Committee 薪酬委员会副主任 委员	Chairman of the Nominations Committee 提名委员会主任 委员	Vice Chairman of the Nominations Committee 提名委员会副主任 委员
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91 ha

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.

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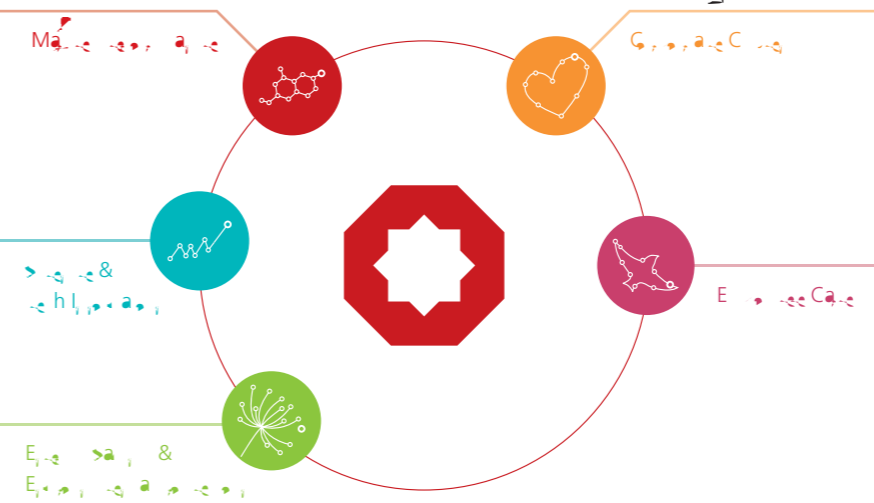
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Leading Organisation and Organisational System

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Establishment of the Indicator System

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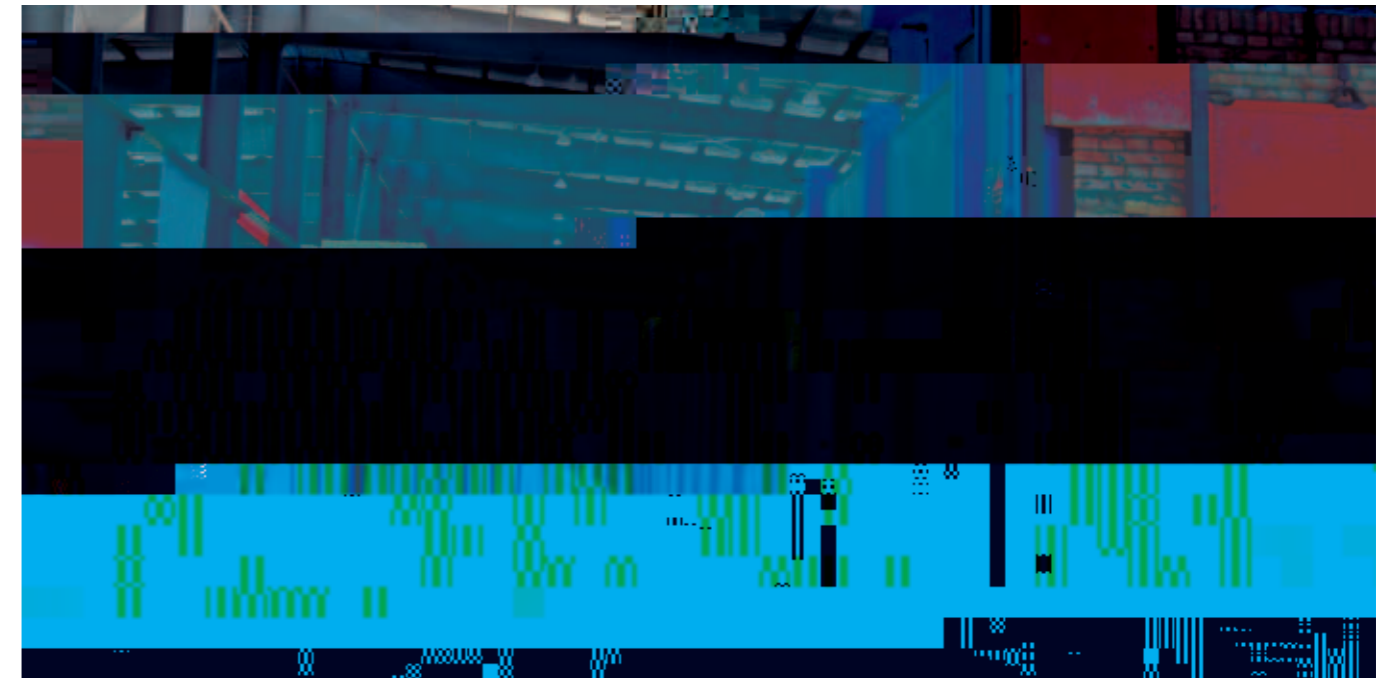
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5. *Shall I help you?* *Can you help me?* *Can you help me?* *Can you help me?*
 6. *Can you help me?* *Can you help me?* *Can you help me?* *Can you help me?*

[illegible]

sha, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840,

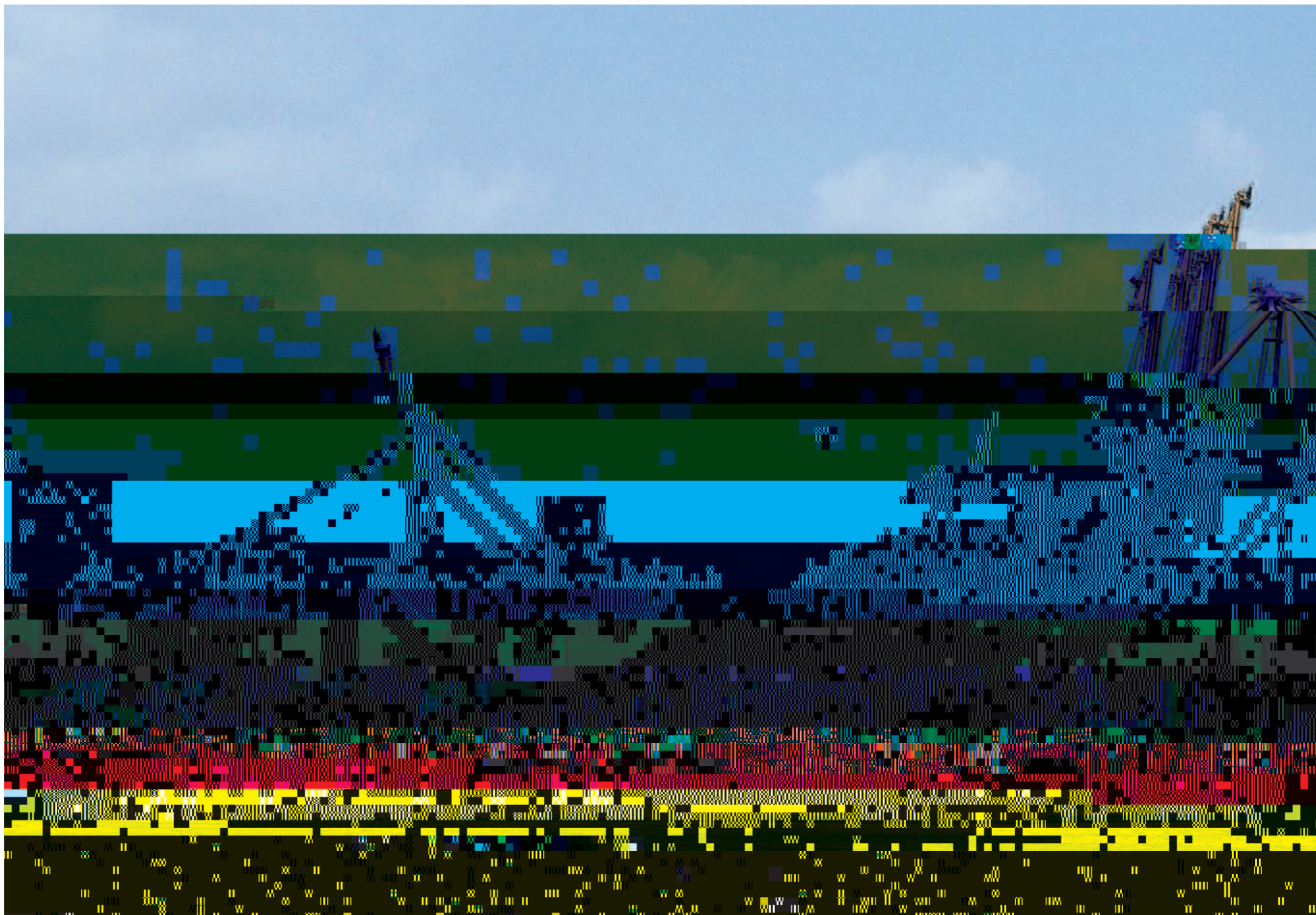
[illegible]

1

14 h, 100 E, G, a, e
a, e, D, e, l, e
Ch, a, 2012

h
11 h
Ch
2012

[illegible]



[illegible]

a h
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 h h a h
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 a 25% a a 2012,
 a h b a b
 a CNBM a MB300.62
 a a a
 45%; a MB217.43
 a a 12%; a
 a MB11.16
 a MB16.03 h a

| Trial | Control (%) | MCI (%) | AD (%) |
|-------|-------------|---------|--------|
| 1 | 90 | 80 | 60 |
| 2 | 90 | 75 | 55 |
| 3 | 90 | 70 | 50 |
| 4 | 90 | 65 | 45 |
| 5 | 90 | 60 | 40 |

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

[illegible]

 Ce, G, D, a, D, H

[illegible][illegible]

E ha
Cha

[illegible]

Responsibility of and Evaluation to the Supply Chain

[illegible]

1

437
ha 2012

:13

12,463
2012

27

I, 2012, 503, a h e e e -
e e e e e e e e e e
e e e e e e e e e e
e e e e e e e e e e

A → a h A a → l Ma a e → h C e → G a L e → a → a

[illegible]

2:67

15,901

37

MB16.03

3:226

62,559

Operating in Compliance with the Law

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.

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Implementing National Industrial Policies

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

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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.

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A

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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"

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.

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Responsibility Management



Market Performance



Technological Innovation



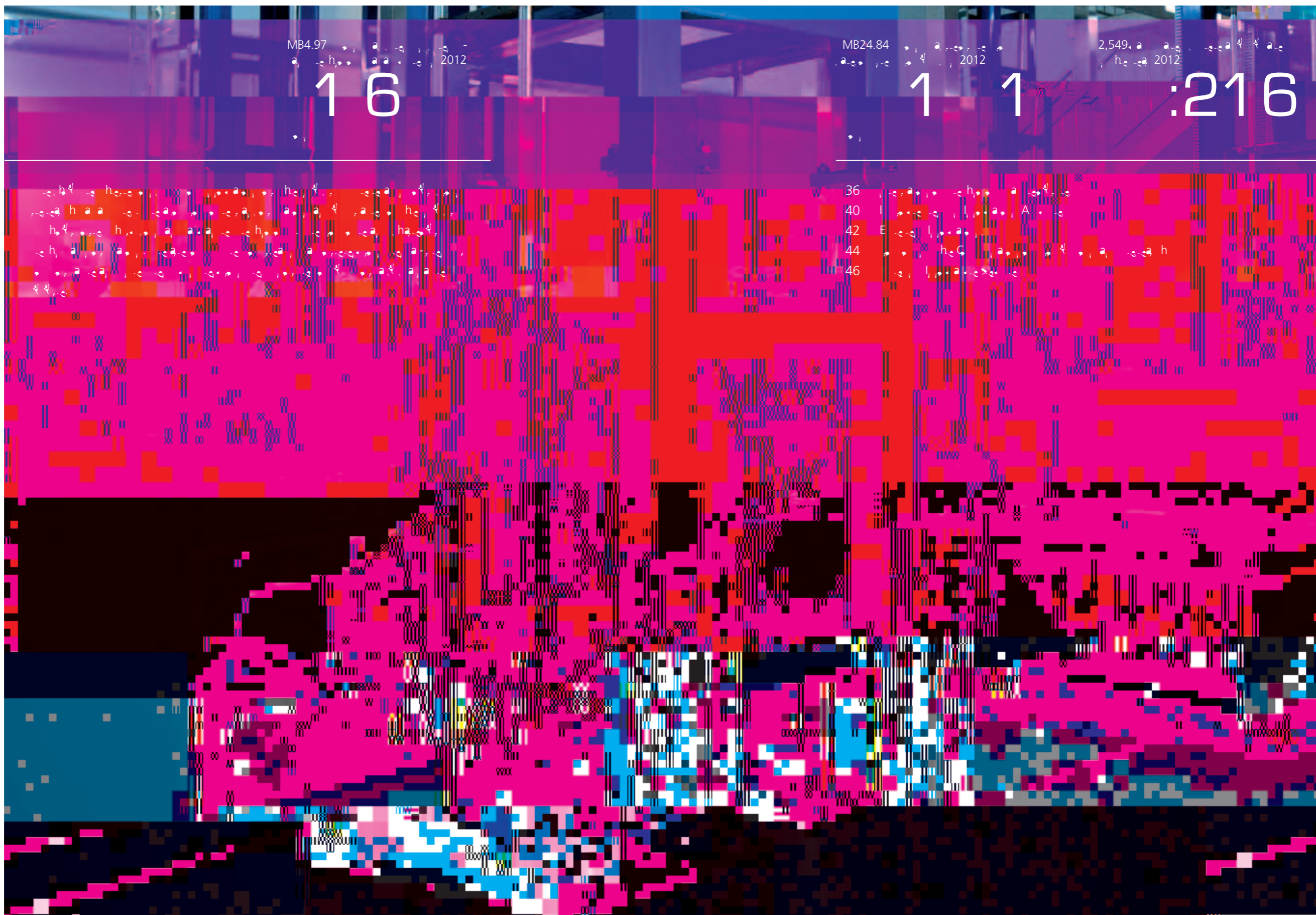
Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



MB4.97
2012

16

MB24.84
2012

11

2,549.4
2012

:216

China National Building Materials Group
2012

36
40
42
44
46

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

I, 2012, a G. CNBM,
h h
H₂G.
h M₂
F₂, Ch₂, h M₂
h
h

[illegible]

(Musical notation for "The End of the Road")

3

6. a. a. $\frac{1}{2}$ b. $\frac{1}{2}$ c. $\frac{1}{2}$ d. $\frac{1}{2}$ e. $\frac{1}{2}$ f. $\frac{1}{2}$ g. $\frac{1}{2}$ h. $\frac{1}{2}$ i. $\frac{1}{2}$ j. $\frac{1}{2}$ k. $\frac{1}{2}$ l. $\frac{1}{2}$ m. $\frac{1}{2}$ n. $\frac{1}{2}$ o. $\frac{1}{2}$ p. $\frac{1}{2}$ q. $\frac{1}{2}$ r. $\frac{1}{2}$ s. $\frac{1}{2}$ t. $\frac{1}{2}$ u. $\frac{1}{2}$ v. $\frac{1}{2}$ w. $\frac{1}{2}$ x. $\frac{1}{2}$ y. $\frac{1}{2}$ z. $\frac{1}{2}$

$$2, a, a, a, a, a, a$$

7, a, a 4 a

$$1 \text{ a } a_1 \quad a_2 \quad a_3$$

1. $\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

6

9. ... a ... a ...

$$\text{Na}_2\text{S}_2\text{O}_8 \xrightarrow{\text{H}_2\text{O}} \text{Na}_2\text{SO}_4 + \text{H}_2\text{SO}_4$$
[illegible][illegible][illegible]

Na, a l, a, a > a, a h, a C, a, Ba

Na, a l, e, a, a > e, a, e, h, a G, e, a, Ba, e, e, e, h, e, a
 e, h, h, h, a, e, a, e, a, a, e, h, e, a, a, a, e, a, a, e, a,
 e, h, a, a, e, h, h, a, e, e, e, h, e, M, e, e, e, e, a, e, h, e, h,
 e, e, e, e, Ch, a, a, e, a, e, e, e, e, h, e, e, h, e, e, e, e, a, e,
 e, e, Ch, a, e, e, a, e, h, a, a, e, e, e, e, h, e, e, e, e, a,
 e, e, e, e, a, e, e, e, a, e, e, e, a, e, h, e, a, e, e, a, a, a, a,
 h, h, e, a, e, e, e, a, e, h, e, h, e, a, a, e, e, e, a, a, a, a, e,
 a, e, e, a, a, a, e, e, a, h, e, e, a, a, a, h, e, a, e, e, e, a, e,
 e, e, a, a, a, e, e, a, e, h, a, e, a, a, a, e,

Guarantee of Investment in Scientific Research



Guarantee of Investment in Scientific Research

From 2012 to 2016, the company has increased its investment in scientific research by 50%, reaching 180,000 Yuan in 2016, an increase of 8% over the previous year.

The company has also increased its investment in scientific research by 50%, reaching 180,000 Yuan in 2016, an increase of 8% over the previous year.

Training Science and Technology Personnel

In 2012, the company has trained 13,630 science and technology personnel, an increase of 8% over the previous year. The company has also trained 13,630 science and technology personnel, an increase of 8% over the previous year.

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Improvement in the Innovation Mechanism

The company has improved its innovation mechanism by establishing an innovation alliance with the Chinese Academy of Sciences, the Chinese Academy of Engineering, and the Chinese Academy of Social Sciences.

The company has also improved its innovation mechanism by establishing an innovation alliance with the Chinese Academy of Sciences, the Chinese Academy of Engineering, and the Chinese Academy of Social Sciences.

Establishment of Innovation Alliance

The company has established an innovation alliance with the Chinese Academy of Sciences, the Chinese Academy of Engineering, and the Chinese Academy of Social Sciences. The alliance will focus on the development of new materials and technologies.

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China National Building Materials Group

China National Building Materials Group

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China National Building Materials Group

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3 863 2012

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.

Scientific Research

[illegible]

2012. N

ha-lell he-m-e-a 10,000, m-ly al
 , -X h-ly Ch-a, i C-e G., L. ha
 -e-m-ly , a, ly a a-e-v-i a
 ha h-G-ly ha a-e h-e-e-h-y,
 N- e-ly , e-e-e-e-e h-

HFCG200. H e l ,
ha a , a
E h
H a b N Ma a , l , ha
a a

A musical score for the song 'The Rose Tree'. The score is written for a single voice and piano accompaniment. The melody is in G major, with a key signature of one sharp (F#). The time signature is 4/4. The piano part features a simple harmonic accompaniment with a steady bass line and chords that support the melody. The lyrics are written below the staff, and the music is divided into measures by vertical bar lines. The score includes a variety of musical notations such as eighth notes, quarter notes, and chords.

h e a e e e e e h e e e h e
 e a e e e e h e Ch a B Ma
 a A a e , h a e e e e e e
 e e e a e e 14. H h e e e e a e
 , h e e a a e e e a e a h a e e
 a e e h e L a e a a e e R e e
 e a a a e h a e e a h e h e a
 e e h e a e e a e e e A
 e e e h e e e e h e G e
 h a e e e e e e h e h e h e
 N e e a e e a e e a e e e
 e e h e e e e e e e e

H_a, F, I, ... (h_e, a, e, e, e, e, a HFI)
h_a, e, e, h_e, i, ... h h_i, e, e,
e, e, a ...

[illegible]

1, 2012, a, a, 152 - h, ,
a a, (, , a - - - , a - - -)
 , a -

A, 2012, a, a, 2,549. a
a-a, a a a a

p. 2012, 729 a-g, 11-12 b, 13-14

Technology Awards

h₂G₂⁴ a₁ a₂ h₂ 150 a₁
h₁ a a a₂ (a₁ a₂ a₂ a₂)
2012. h₂G₂⁴ a₁ a₂ h₁ a₂
a₁ a₂ a₁ h₂G₂⁴ a₁ a₂ h₂

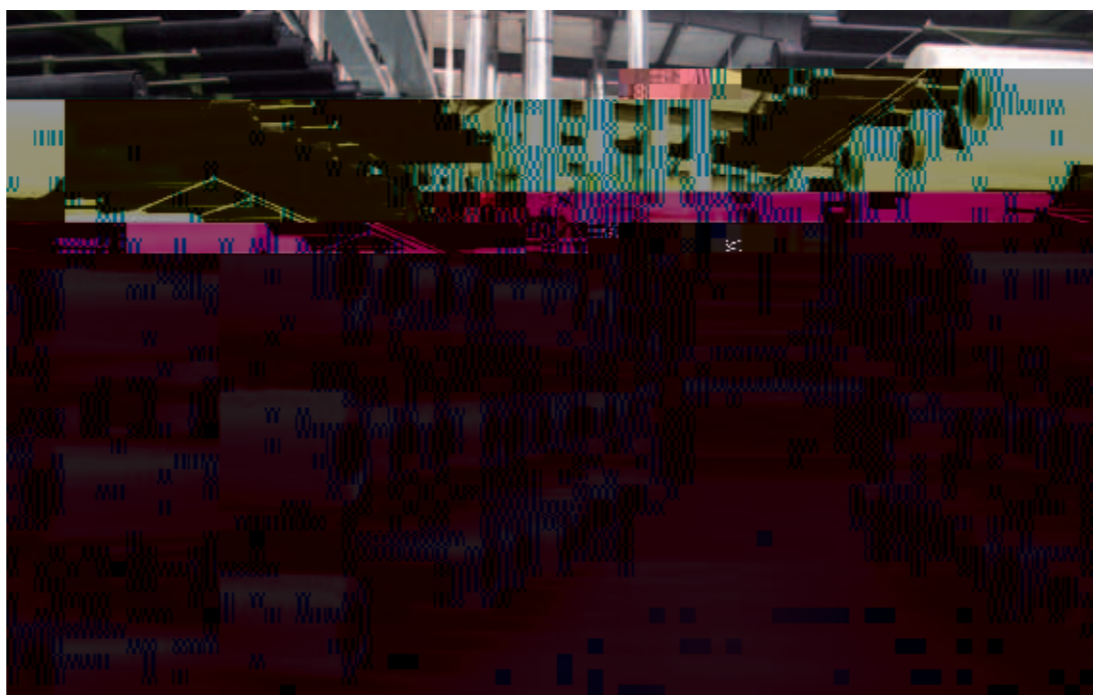
Patents

h_eG₄ 2012.
h_e 766 a a a a 2
a a a a 729 d h_e
a a 143 a a a a A
a a 2,549 a a a a a a
448 a a a a h_eG₄

G₁ ha a h-e 50% h, h-e, -
-e, a, h h, a, a-e h
G₁ -e h, a, a, a -e.

a - e - r a - e a - e - r h - a - a -
 a - a - s h h - e - a - e - e - e -
 e - a - h - a - e - a - e - e - h - a -
 A - a - e - r - h - Ca - F - l - e -
 h - a - a - a - e - e - e - e -
 e - h - h - e - a - e - e - a - e -



[illegible][illegible]

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.

[illegible]

(The following is a transcription of the handwritten musical score shown in the image.)

Handwritten musical notation on five-line staves:

Staff 1: Treble clef, key signature of one flat (B-flat), common time signature. The melody begins with a half note G4, followed by quarter notes A4, Bb4, C5, D5, E5, F5, G5, A5, Bb5, C6, D6, E6, F6, G6, A6, Bb7, C8.

Staff 2: Treble clef, continuing the melody from Staff 1. It starts with a half note G6, followed by quarter notes A6, Bb7, C8, D9, E9, F9, G9, A9, Bb10, C11, D12, E12, F12, G12, A12, Bb13, C14.

Staff 3: Treble clef, continuing the melody. It starts with a half note G14, followed by quarter notes A14, Bb15, C16, D17, E17, F17, G17, A17, Bb18, C19, D20, E20, F20, G20, A20, Bb21, C22.

Staff 4: Treble clef, continuing the melody. It starts with a half note G22, followed by quarter notes A22, Bb23, C24, D25, E25, F25, G25, A25, Bb26, C27, D28, E28, F28, G28, A28, Bb29, C30.

Staff 5: Treble clef, concluding the piece. It starts with a half note G30, followed by quarter notes A30, Bb31, C32, D33, E33, F33, G33, A33, Bb34, C35, D36, E36, F36, G36, A36, Bb37, C38.

[illegible]

• Me Ma Ba ha a e i, he
 e a e h h e e a he
 e a e h e a h e a
 a a a a a e e e e

[illegible]

2

I, 2012, _____
_____ has _____
_____ 5 _____

I, 2012, _____

Formulation of Standards

[illegible]

l, 4, 7, a, a 4, h; h-ee-ee a, a,
 a, a, 4 | a, a h, a a,
 a, a-aa 4, -ee, a-ee-ee
 -a, h; Xa a l, 4 ha a a-ee
 l-ee, a, a A 4 a G-ee-ee l / C189
 C a -ee, a | ha-ee a-ee a a-ee
 -ee-ee-aa 7 a h, C a -ee, a
 a-ee, h-ee a, a, a, a, h h ha, -
 a h-ee h-ee 4, -ee a, a 4-ee |

Establishment of Platform for Communication

[illegible]

A vertical stack of four images showing a scene with a sidewalk, a green lawn, a black fence, and a pink building with a yellow roof. The images are arranged vertically, with the sidewalk at the top, followed by the lawn, the fence, and the building at the bottom. The images are slightly offset from each other, creating a sense of depth and movement. The colors are vibrant and saturated, with a high contrast between the different elements. The overall composition is simple and clean, focusing on the basic shapes and colors of the scene.

[illegible]

Training for Industrial Technicians

a h a a a a
 h a a a a
 h a h a a
 h h a a
 a a h a 2012

ha... h... a... 8.32 -
a... h... a... -
a... 1,000 a... h... -
a... a... a... a...
a... 87,170 h... a...

Offering Inspection and
Certification Service

[illegible]

The image shows a musical score for the song "The Rose Tree". It features a treble clef, a key signature of one flat (B-flat), and a 4/4 time signature. The melody is written on a five-line staff. Below the staff, the lyrics are provided in both German and English. The German lyrics are: "Es war einmal ein alter Mann, / der hatte eine alte Frau. / Die war so schön und jung, / dass er sie nicht lassen wollte. / Bis sie eines Tages starb, / und er sich sehr betrübte. / Da er sie nicht mehr hatte, / ließ er sich ein Bild machen. / Und er sah es jeden Tag, / und weinte sehr darum. / Bis er eines Tages starb, / und das Bild mit ihm begrub." The English lyrics are: "There was once an old man, / who had an old wife. / She was so beautiful and young, / that he would not let her go. / Until one day she died, / and he was very sad. / Since he no longer had her, / he had a picture made. / And he looked at it every day, / and wept very much about it. / Until one day he died, / and the picture was buried with him." The score includes a final double bar line at the end of the piece.



Responsibility Management



Market Performance



Technological Innovation



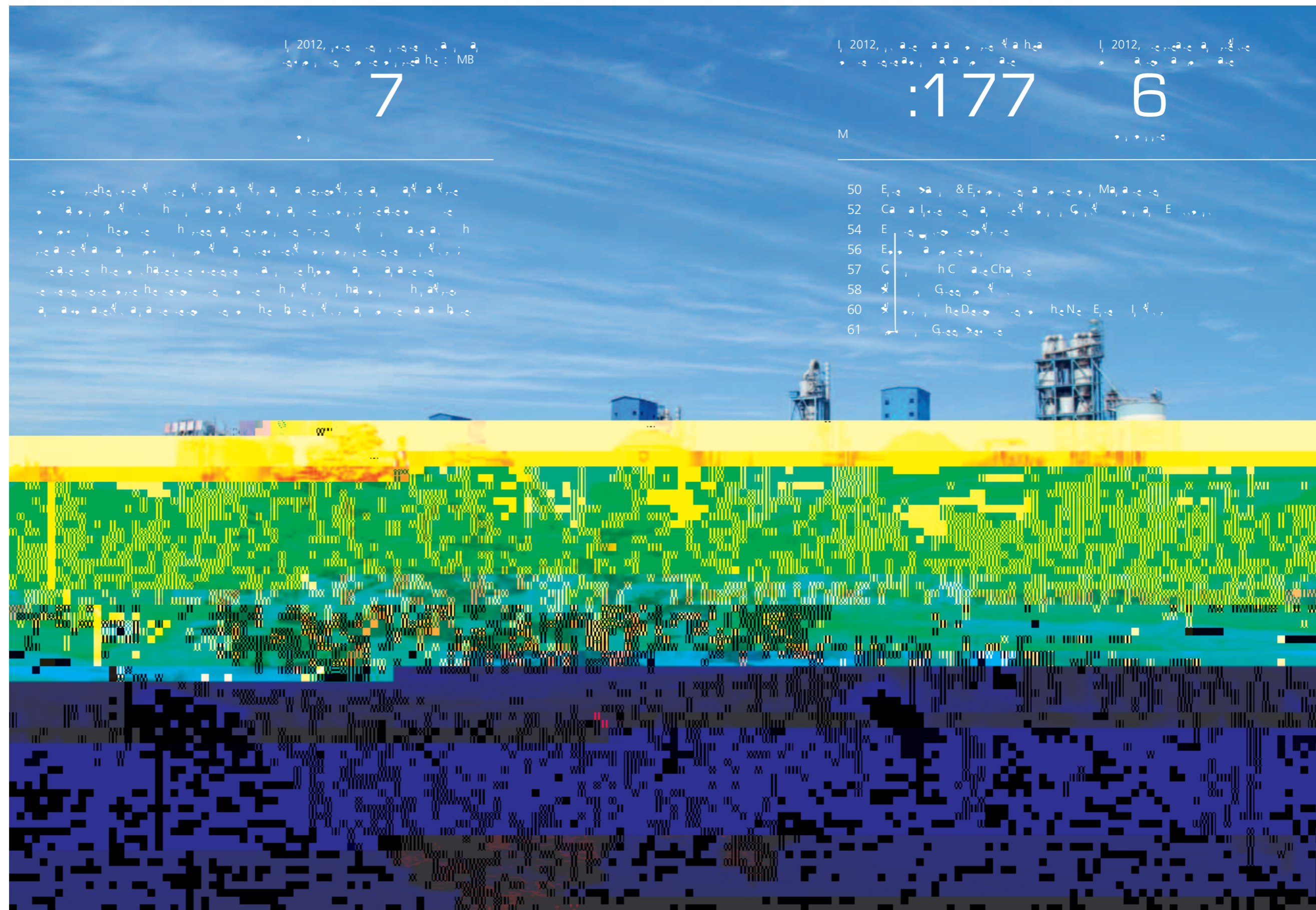
Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



Carbon Intensity and Greenhouse Gas Emissions

Emphasis on Investment in Energy Conservation and Environmental Protection

Following the implementation of the "12th Five-Year Plan" and the "Action Plan for Energy Conservation and Emission Reduction", the Group has taken a series of measures to improve energy efficiency and reduce greenhouse gas emissions. In 2012, the Group's energy conservation and emission reduction work achieved significant results. The Group's energy consumption per unit of output decreased by 30% compared with the previous year, and the greenhouse gas emissions per unit of output decreased by 10%.

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Improvement in Energy Efficiency

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77

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Environmental Governance and Emissions Reduction

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Air Pollution Prevention and Control Measures

Based on the implementation of the "12th Five-Year Plan" and the "Action Plan for Energy Conservation and Emission Reduction", the Group has taken a series of measures to improve air pollution prevention and control. In 2012, the Group's air pollution prevention and control work achieved significant results. The Group's air pollution prevention and control work achieved significant results. The Group's air pollution prevention and control work achieved significant results.

Noise Control

The Group has implemented a series of measures to improve energy efficiency and reduce greenhouse gas emissions. In 2012, the Group's energy conservation and emission reduction work achieved significant results. The Group's energy consumption per unit of output decreased by 30% compared with the previous year, and the greenhouse gas emissions per unit of output decreased by 10%.

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77

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$$E_{\text{eff}} = \frac{\sigma_a}{\sigma} & E_{\text{eff}} = \frac{\sigma_a}{\sigma} + \frac{\sigma_{\text{res}}}{\sigma}$$
[illegible]

China National Building Materials Group 55
2012

E... a ...

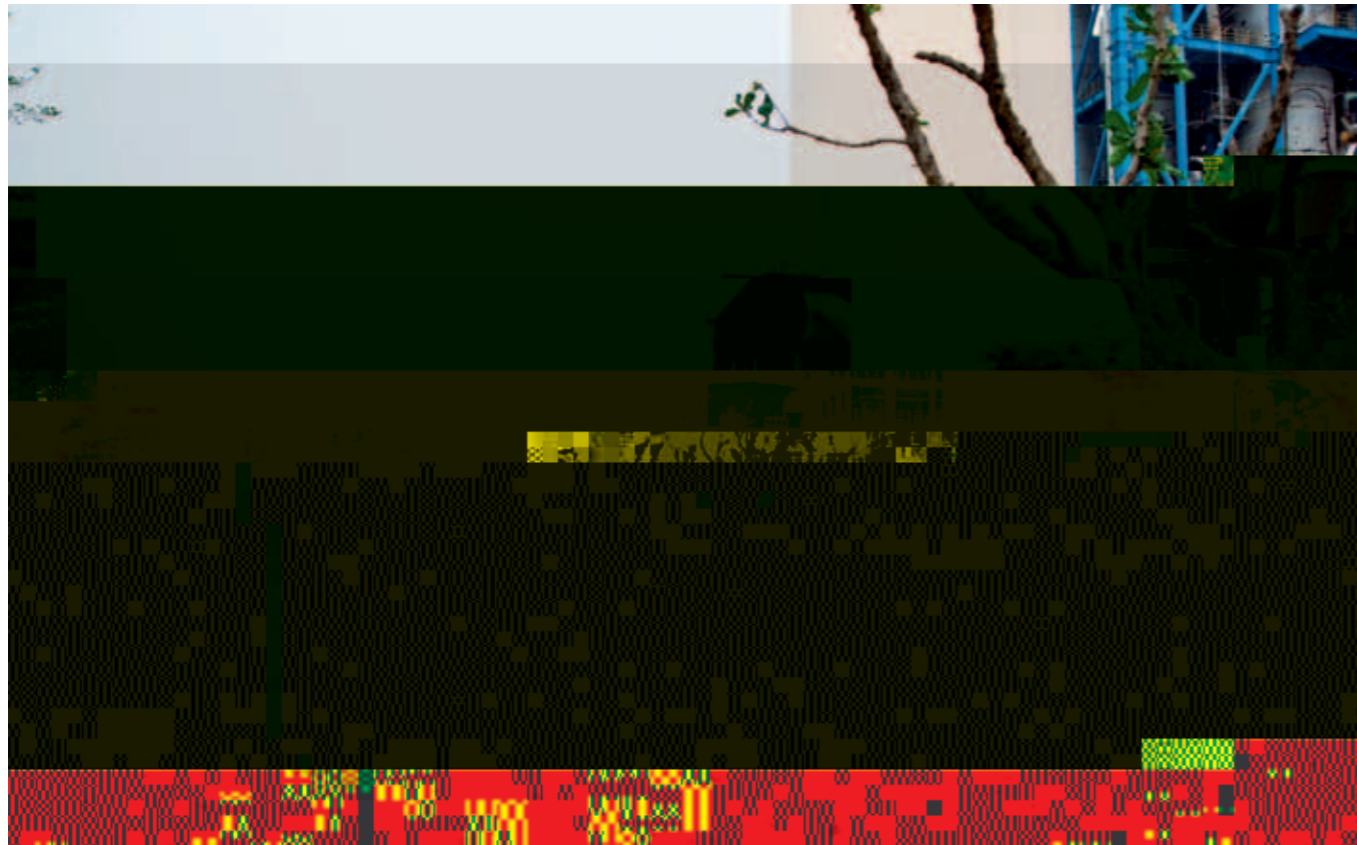
3

5. a. a-g-e n-e-e n-e-e n-e

A-a-e, e-a, a-o, o-a,
a-a, e-a h 17%, 2012

[illegible]

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2

25 CDM  2012

3.

2012 CDM 2.76

Chaos

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 ha - a - te - re - he - a -
 a - a - te - re - ha - a - a -
 a - te - re - he - ha - a - a -
 a - te - re - he - a - a -
 a - te - re - a - a - a -
 a - CNBM, a - he - a - a -
 a - a - Ch a, ha - a - a -
 a - a - te - re - h, a - a - a -
 a - a - he - a - a - a -
 a - a - te - re - a - a -
 a - a - a - a - a - a -
 a - a - a - a - a - a -
 a - a - a - a - a - a -

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, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693,

[illegible]

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[illegible]

Green

31

China National Building Materials Group
2012 Environmental Report

Adhering to Green Manufacturing

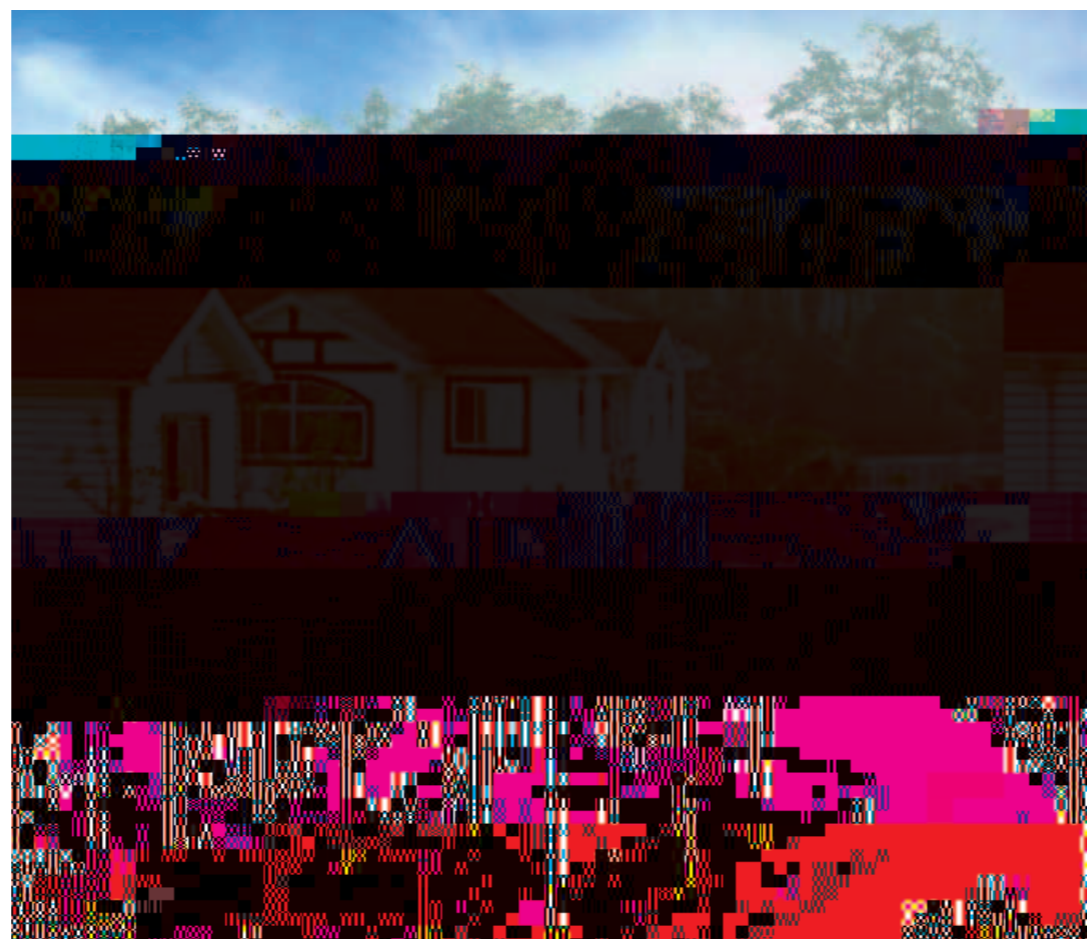
China National Building Materials Group has always adhered to the green manufacturing concept, strictly following the requirements of the State Environmental Protection Administration and the Ministry of Environmental Protection, and implementing the green manufacturing strategy. In 2012, the Group's green manufacturing work achieved significant results. The Group's green manufacturing work achieved significant results. The Group's green manufacturing work achieved significant results.

Promoting Green Packaging

China National Building Materials Group has always adhered to the green packaging concept, strictly following the requirements of the State Environmental Protection Administration and the Ministry of Environmental Protection, and implementing the green packaging strategy. In 2012, the Group's green packaging work achieved significant results. The Group's green packaging work achieved significant results.

Advocating Green Consumption

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China National Building Materials Group Environmental Report

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China National Building Materials Group has always adhered to the green packaging concept, strictly following the requirements of the State Environmental Protection Administration and the Ministry of Environmental Protection, and implementing the green packaging strategy. In 2012, the Group's green packaging work achieved significant results. The Group's green packaging work achieved significant results.

China National Building Materials Group Environmental Report

China National Building Materials Group has always adhered to the green consumption concept, strictly following the requirements of the State Environmental Protection Administration and the Ministry of Environmental Protection, and implementing the green consumption strategy. In 2012, the Group's green consumption work achieved significant results. The Group's green consumption work achieved significant results.



Responsibility Management



Market Performance



Technological Innovation



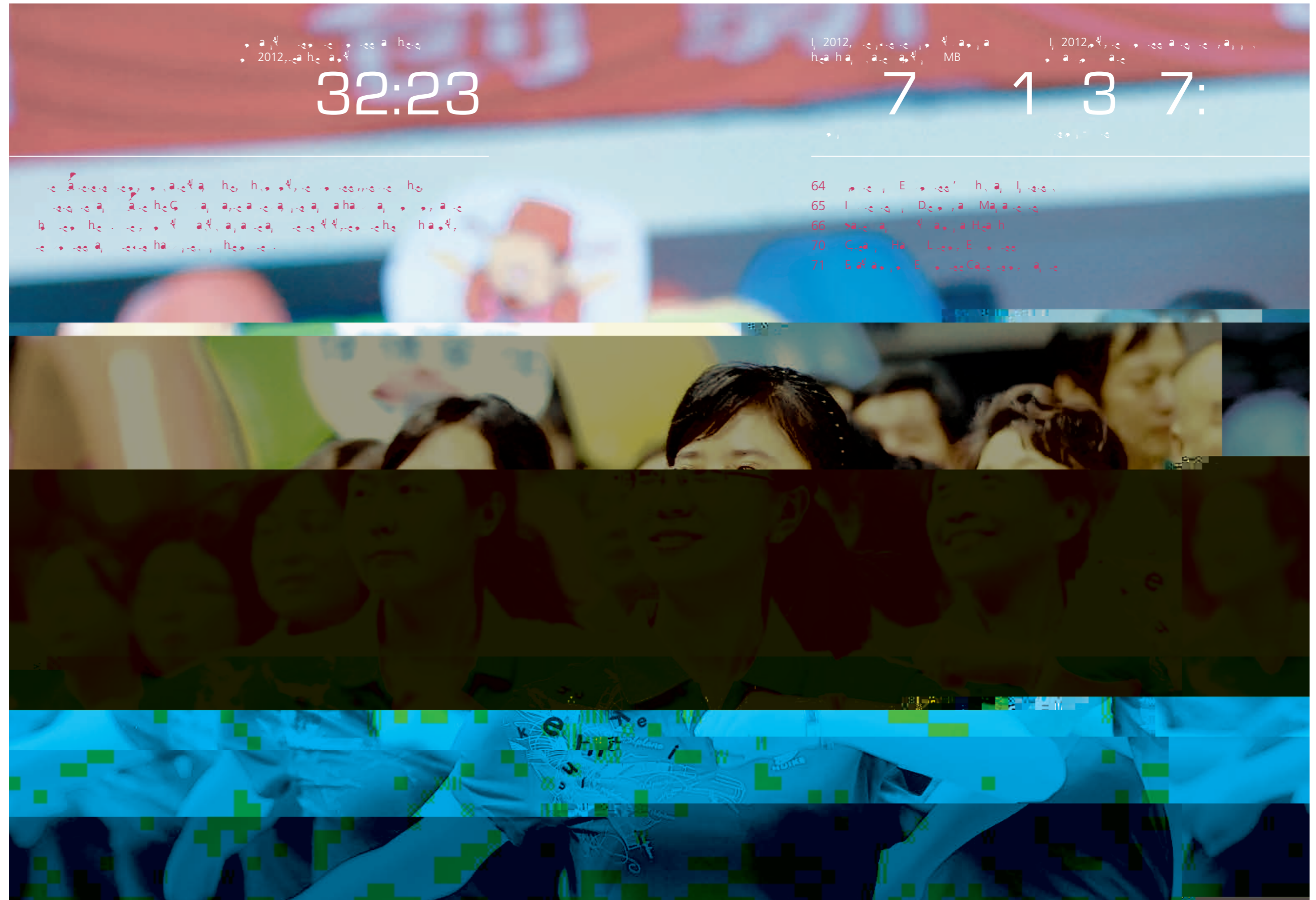
Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



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Safe and Healthy

7

Fatal cases, 2012

2

In 2012, there were 2 cases of fatal accidents, a decrease of 2.35%

Improving the Management System

With the implementation of the "Safety Management System" in 2012, the company has achieved significant progress in improving the management system. The company has established a complete safety management system, including safety management, safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

The company has also implemented a series of safety measures, including safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

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Ensuring Investment in Safety

The company has ensured that sufficient investment is made in safety. The company has established a safety fund, which is used to finance safety measures, including safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

In 2012, the company invested 138,888 yuan in safety measures, a decrease of 2.35% compared to 2011.



Giving Importance to Safety Training

The company has given high priority to safety training. The company has established a safety training system, which includes safety training for all employees, safety training for new employees, and safety training for employees who have been absent for a long time. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

The company has also implemented a series of safety measures, including safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

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Promoting Safety Culture

The company has promoted a strong safety culture. The company has established a safety culture, which includes safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

The company has also implemented a series of safety measures, including safety training, safety inspection, and safety reporting. The company has also strengthened the safety management of its subsidiaries and business units, ensuring that safety is a top priority for all employees.

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In 2012, the company invested 138,888 yuan in safety measures, a decrease of 2.35% compared to 2011.

23

156 cases of safety accidents, a decrease of 2.35% compared to 2011

138,888 yuan invested in safety measures, a decrease of 2.35% compared to 2011

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

The hazardous accidents in the hazardous areas, such as the accidents in the hazardous areas, are the main cause of the accidents. As a result, the hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents.

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Setting Great Store by Occupational Health

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Management of Hazardous Chemicals

The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents.

Improving Emergency Management System

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As a result, the hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents.

Enterprise Case



In 2012, the hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents. The hazardous areas are the main cause of the accidents.



Responsibility Management



Market Performance



Technological Innovation



Energy Saving & Environmental Protection



Employee Care



Corporate Citizen



2012: MB

7 2

2012

22

2012

6:

2012年，集团紧紧围绕“稳增长、调结构、促改革、防风险”的工作思路，坚持“稳中求进”的工作总基调，积极应对复杂多变的外部环境，扎实推进各项工作，取得了显著成绩。全年实现营业收入1000亿元，利润总额100亿元，净资产收益率10%。集团各项业务持续健康发展，市场竞争力不断增强，品牌影响力持续提升。集团将继续坚持创新驱动发展战略，加大研发投入，推动产业转型升级，为实现高质量发展奠定坚实基础。

- 74 集团年度工作总结
- 76 集团年度财务决算报告
- 77 集团年度经营分析报告
- 78 集团年度社会责任报告
- 79 集团年度环境报告

Middle East and Africa

67

90% increase in 2012

7

30% increase in 2012

7

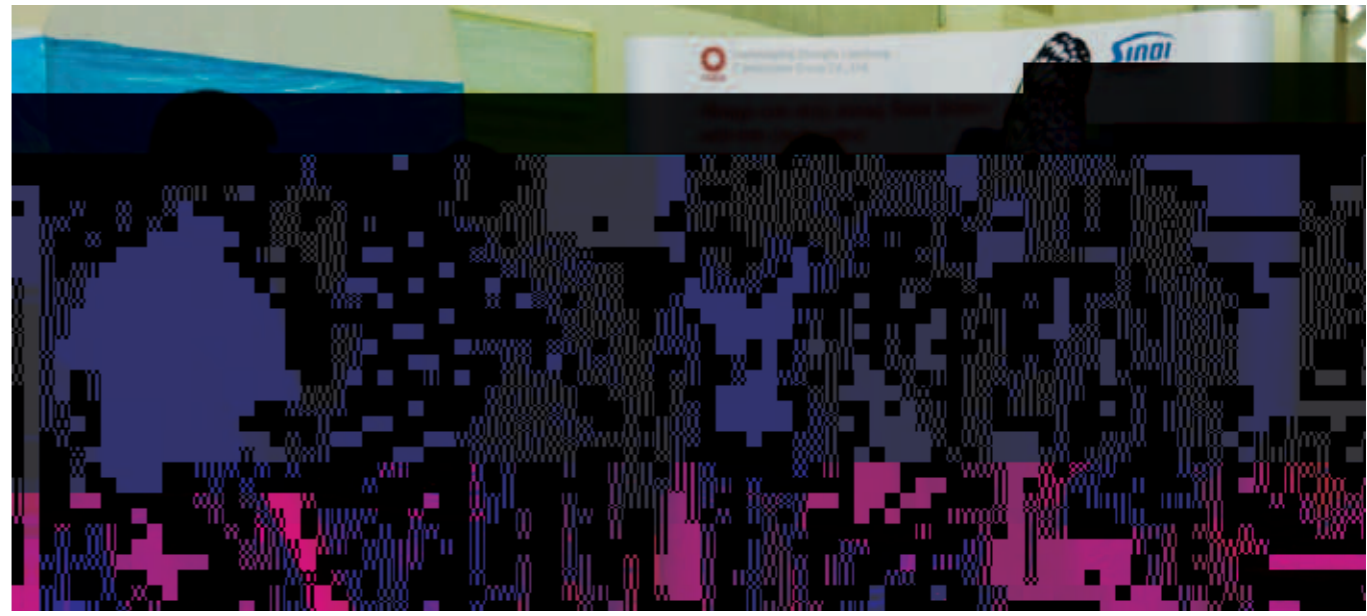
\$108.07 million in 2012

International Activities

In the past year, CNBM has actively participated in various international activities. In the first half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the second half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the first half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the second half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million.

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The Middle East and Africa region is a key market for CNBM. In 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the first half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the second half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million.



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."

In the past year, CNBM has actively participated in various domestic activities. In the first half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the second half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the first half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million. In the second half of 2012, the Group has 44 projects in 30 countries. The total amount of investment is \$108.07 million.

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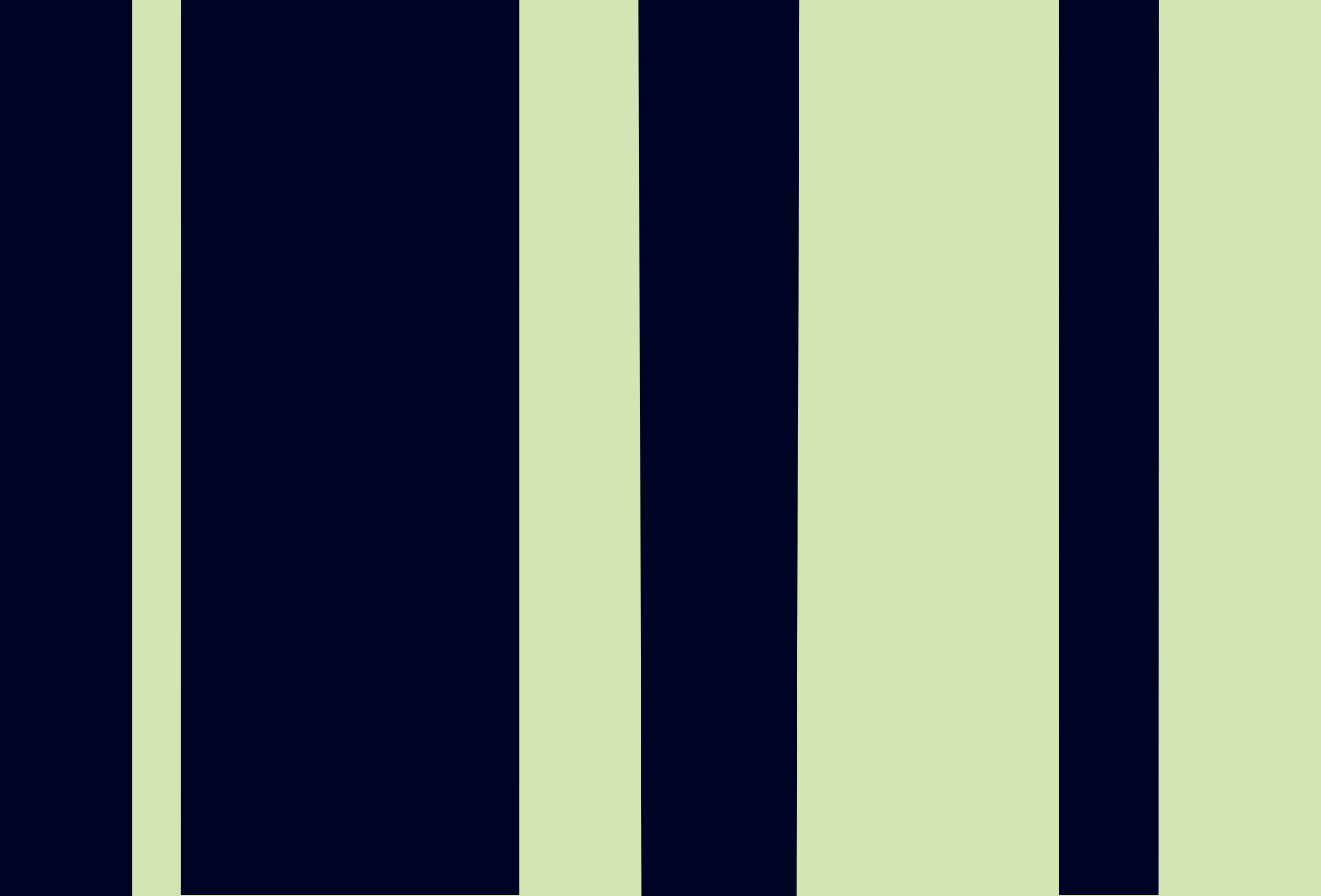
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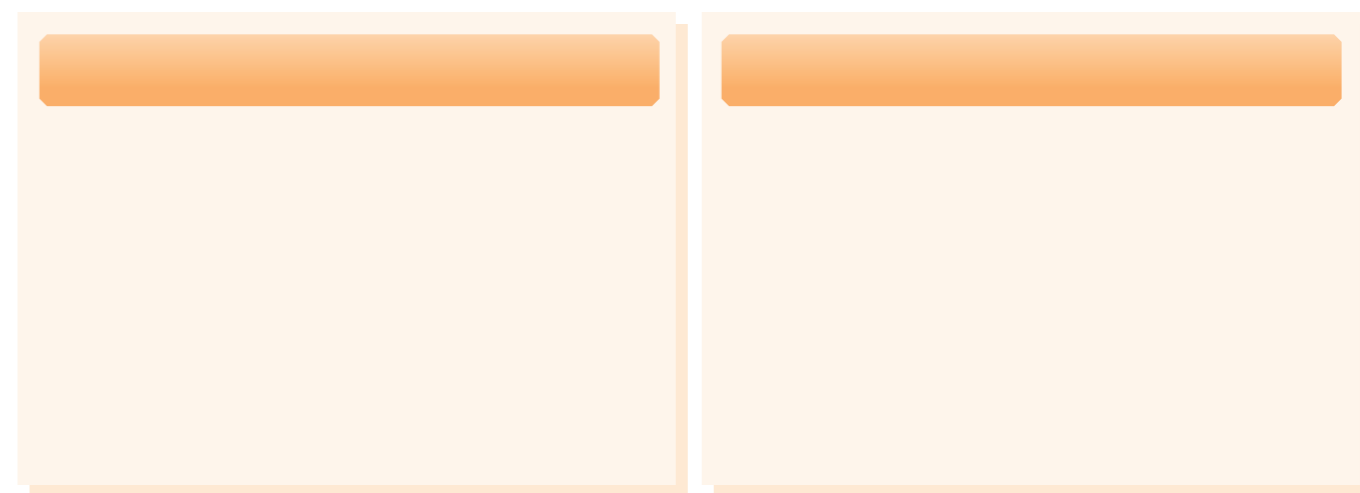
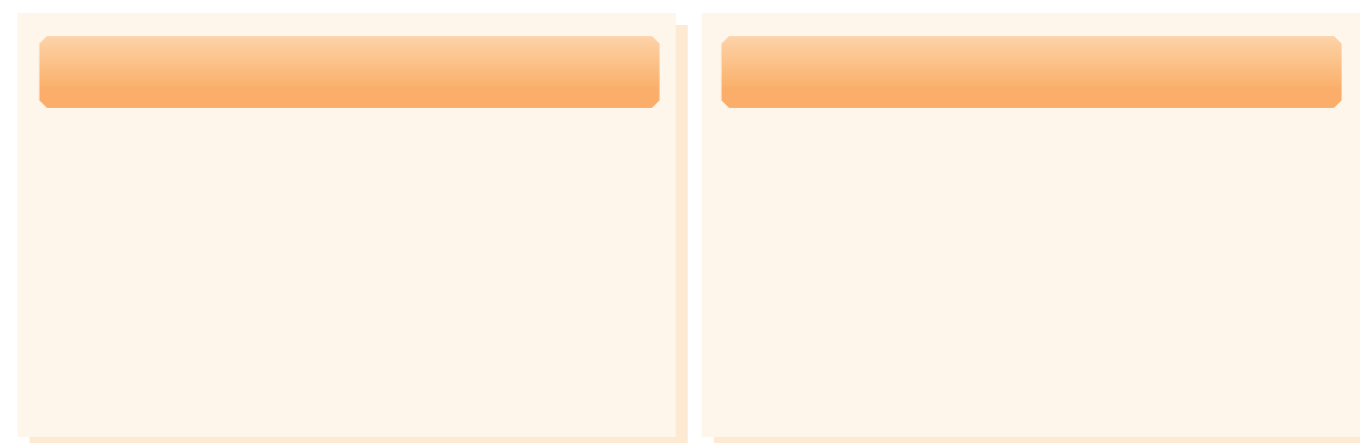
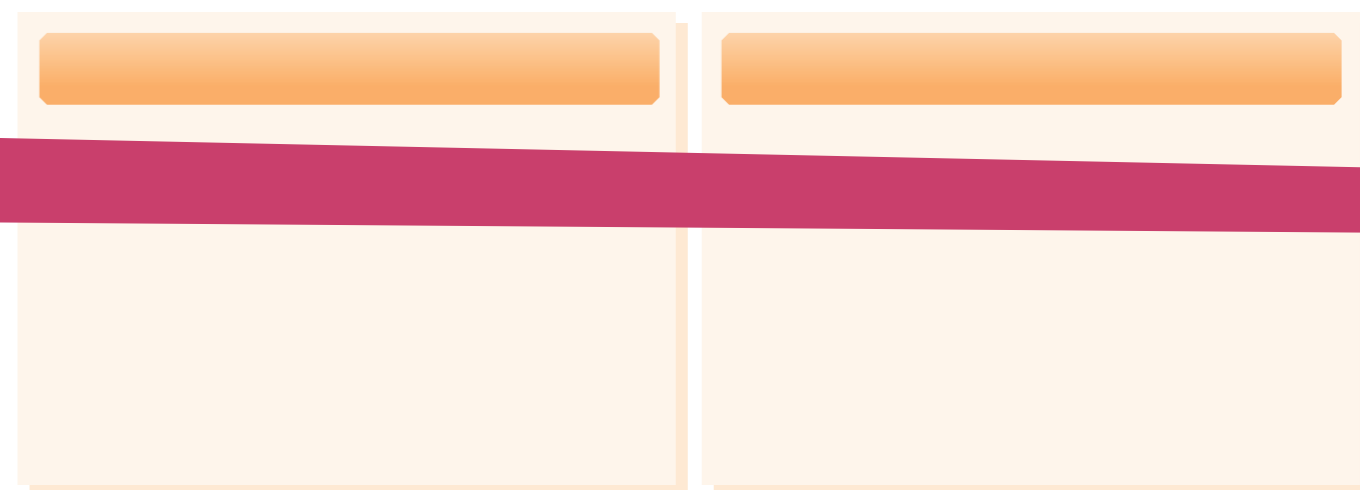
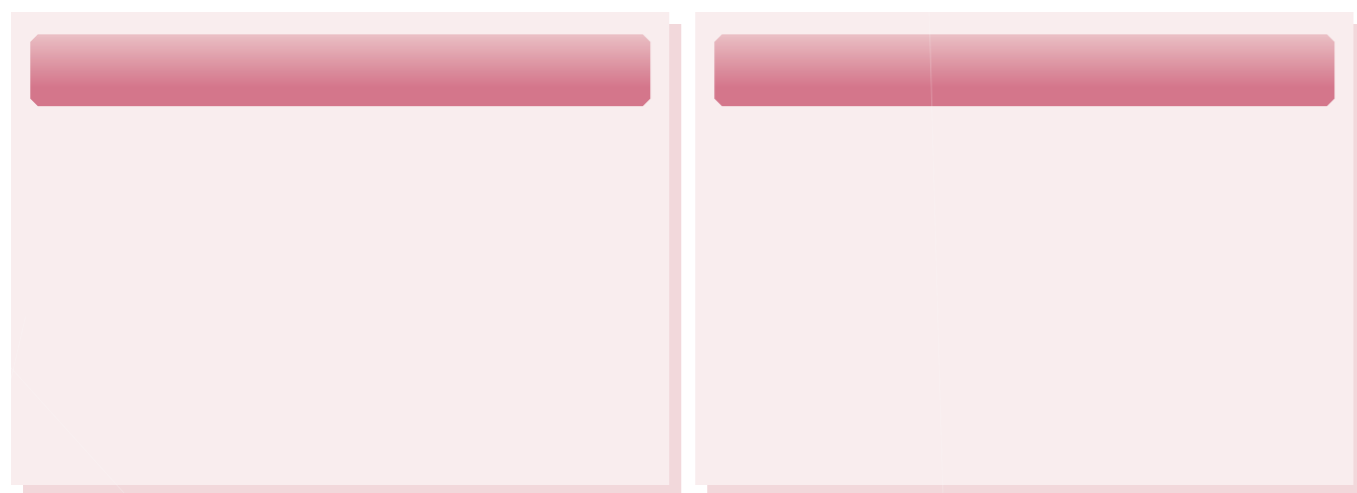
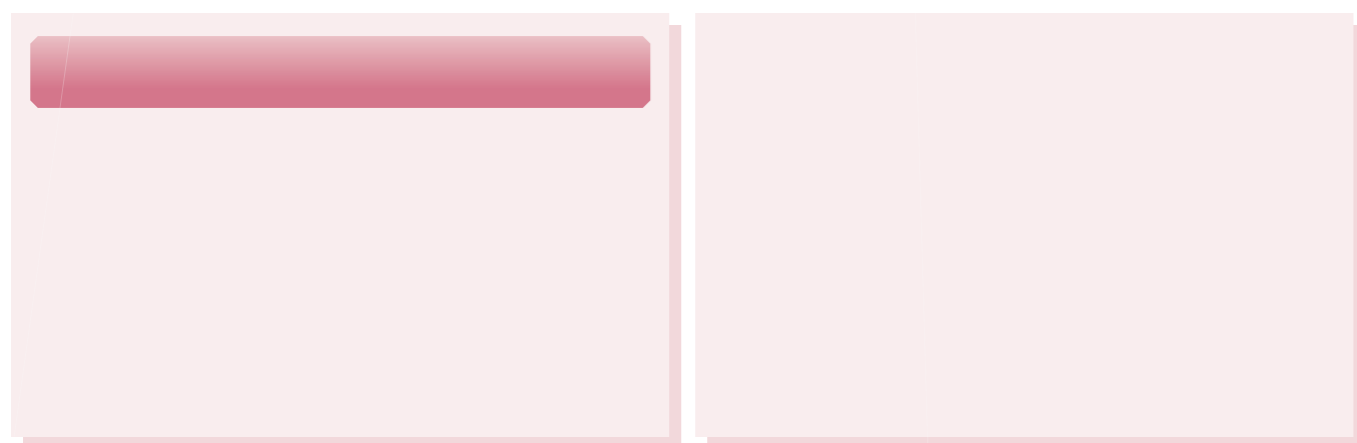
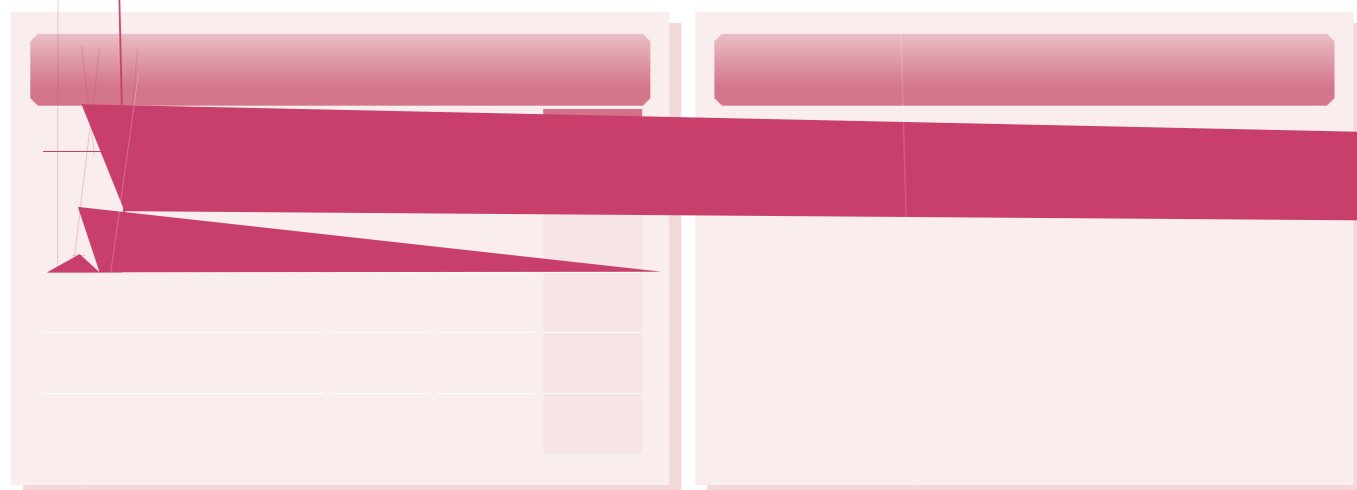
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No. 17 Fuxing Road, Haidian District,
Beijing

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

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