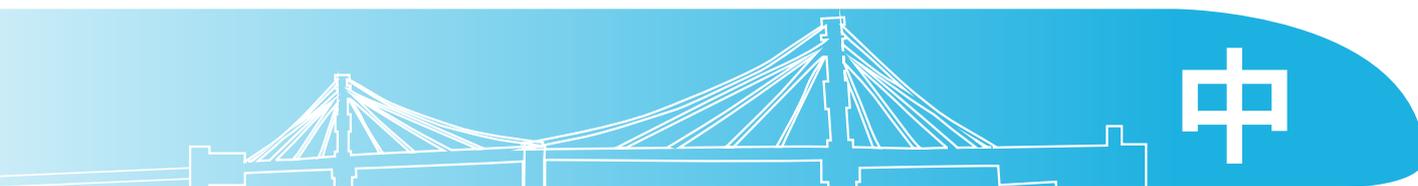
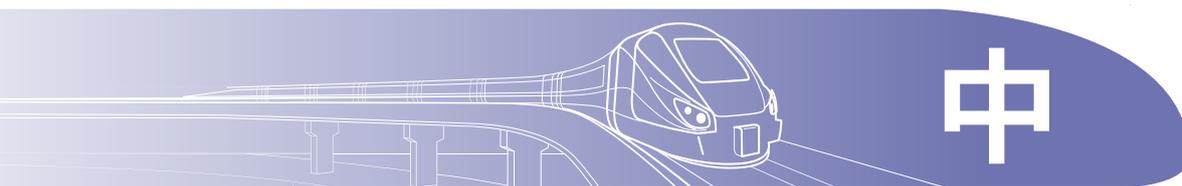


2015 社会责任报告

SOCIAL RESPONSIBILITY REPORT

本公司董事会及全体董事保证本报告内容不存在任何虚假记载、误导性陈述或重大遗漏，并对其内容的真实性、准确性和完整性承担个别及连带责任。



中国中铁股份有限公司
CHINA RAILWAY GROUP LIMITED

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The Board of Directors and all directors of the Company guarantee that there is no false record, misleading statement or major omission in this report and they will bear individual and joint liabilities for the authenticity, accuracy and integrity of the contents.



标识由公司汉语简称“中国中铁”与英文简称“CREC”构成，采用象征科技和高远的蓝色为标准色。经纬交织的地球背景，展现了公司的全球视野和战略眼光。端正、刚健的“工”字既型如坚实的钢轨，承载着辉煌厚重的历史，又势如擎天的建筑，昭示着蒸蒸日上的未来。

The logo is constituted of the Chinese abbreviation of company name "中国中铁" and the English abbreviation "CREC", adopting blue color that symbolizes technology and ambition as the standard color. The background of the globe with meridians and latitudes interwoven indicates the company's global and strategic vision. The upright and vigorous word "工" is not only like a solid rail, carrying the glorious and heavy history, but also like giant building, illuminating a flourishing future.

关于本报告

欢迎阅读中国中铁股份有限公司2015年社会责任报告

为便于您的阅读，中国中铁股份有限公司在本报告中以“中国中铁”、“公司”、“我们”等方式进行表述。

本报告是公司第八份年度社会责任报告，时间跨度以2015年1月1日至12月31日为主，重点表述了2015年度中国中铁在依法治企、优质服务、创造效益、员工发展、安全监管、科技进步、环境保护、公益事业、合作共赢、海外责任等方面的工作，适当关注了2015年以前公司履行社会责任的情况。

报告编写参照联合国全球契约（Global Compact）颁布的“十大原则”，全球报告倡议组织（GRI）、社会责任国际（SAI）和中国国家标准GB/T36000-2015《社会责任指南》、GB/T36001-2015《社会责任报告编写指南》、GB/T36002-2015《社会责任绩效分类指引》、《中国企业社会责任报告编写指南（CASS-CSR3.0）之建筑业》、《中国对外承包工程行业社会责任指引》等相关标准，以及国务院国资委、上海证券交易所、香港联合交易所的有关规定。

报告中使用的相关数据和案例，均来自中国中铁及其子分公司。本报告对公司参加基础设施建设的历史业绩进行了更加全面的统计，完善了部分历史数据，若与往年报告存在差异，以本报告为准。

本报告以中英文两种文字出版，若两种文字间有差异，按中文版解读。

本报告力求完整、客观和准确，并积极回应利益相关方的主要关切。本着精益求精的原则，公司下一年度及以后的社会责任报告的编写和发布工作还将持续改进、日臻完善，也欢迎您的支持。

本报告的电子版同时在公司网站发布
您可以根据需要进行下载。

<http://www.crec.cn>



About This Report

Welcome to read Social Responsibility Report in 2015 of China Railway Group Limited.

In order to facilitate your reading, China Railway Group Limited in this report will be expressed by "CREC", the "Company" and "we/us", etc.

This report is the company's eighth annual social responsibility report with the time span of 1st January to 31st December of 2015, mainly focusing on the work about managing enterprises according to law, high-quality service, benefit creation, staff development, safety supervision, science & technology progress, environmental protection, public welfare undertaking, win-win cooperation and overseas responsibility, etc. during the year of 2015, with due attention to the status of company fulfilling their social responsibility before 2015.

We prepared the report by referring to the "ten principles" promulgated by the United Nations Global Compact (Global Compact), the relevant standards of the Global Reporting Initiative (GRI), Social Accountability International (SAI), Chinese National Standards GB/T36000-2015 Social Responsibility Guidelines, GB/T36001-2015 Social Responsibility Reporting Guidelines, GB/T36002-2015 Social Responsibility Performance Classification Guidelines, China CSR Reporting Guidelines (CASS-CSR3.0), Guide on Social Responsibility for Chinese International Contractors and relevant requirements of the SASAC, Shanghai Stock Exchange and the Stock Exchange of Hong Kong.

All relevant data and cases used in the report are from the CREC and its subsidiary (branch) companies. This report makes a more comprehensive statistics on the history of the company's infrastructure construction, some historical data are improved. If there are differences with previous reports, this report shall prevail.

This report is published in both Chinese and English. In case of any discrepancy between the two versions, the Chinese version shall prevail.

This report strives to be complete, objective and accurate, and actively responds to the main concerns of the interested parties. In line with the principles of pursuit for excellence, the company will continuously improve and strive for perfection in the work of

Social Responsibility Report's preparation and publishing in the next year and the following years, and also welcome your support.

The electronic version of this report will be published in the company website (www.crec.cn) at the same time; you can download it as needed.

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领导致辞

2015年，是中国中铁各项事业在挑战中奋进，并取得突出业绩的一年。全公司按照年初确定的奋斗目标，团结一心、攻坚克难，充分发挥行业表率 and 示范作用，切实践行建造精品、改善民生的神圣使命，积极承担、充分履行社会责任，在拉动经济增长、推动科技进步、促进就业、环境保护等方面做出了重要贡献，得到了社会各界的高度评价和广泛认可。

一年来，全公司积极应对各种困难和挑战，紧密围绕“抓机遇稳增长、抓改革促转型、抓管理提效益、控风险保稳定”的中心工作，先后推动海外经营体制、物资采管分离、审计工作体制、区域化经营、工业制造板块重组上市等重大改革；坚持不懈地推进工程项目精细化管理，全面开展“项目管理实验室活动”，优质高效地建成了一批国家重点工程和重大项目；坚持经营投资联动，积极推动产融结合，探索创新商业模式，推进实施了一批重大投资项目；进一步落实

职工收入正常增长和保障机制，深入开展“三工建设”、“三不让”帮扶和“送温暖”活动，大力推动节能减排，主动参与抢险救灾和社区服务，全面履行了企业的社会责任。

2015年，中国中铁排名世界企业500强第71位。公司获得国家科技进步奖2项、建筑工程鲁班奖11项、詹天佑奖8项、国家优质工程奖13项。

2016年，中国中铁将一如既往地忠实履行企业使命，不断探索造福社会的新形式，努力为推动科学发展、促进社会和谐做出新的更大贡献。

董事长：李长进

2016年3月

Speech of Leader

In 2015, CREC positively coped with the challenge in all aspects, having gained outstanding achievements. In accordance with the goals set in the beginning of the year, CREC fully played the role of industry example and model, effectively practiced the sacred mission of high-quality construction and improvement of people's livelihood, positively committed and fully fulfilled their social responsibilities. The company made important contributions towards stimulating economic growth, accelerating scientific and technological progress, promoting employment and environmental protection and so on, having been highly praised and widely recognized by all sectors of society.

Over the past year, CREC actively dealt with all kinds of difficulties and challenges, focusing on the main tasks, "seizing opportunity and getting stable growth, carrying out reform and promoting transformation, enhancing management and increasing benefit, controlling risk and maintaining stability". It pushed forward several important reforms such as overseas operation system, separation of material procurement and management, auditing work system, regional operation, reconstruction and listing of industry manufacturing sector and so on; it unremittingly promoted engineering project delicacy management, overall carried out "project management laboratory activity", built up a batch of national important and major projects; it insisted on operation and investment linkage, actively promoted integration of industry and finance, explored

innovative business model, pushed forward and carried out a number of major investment projects; CREC also implemented regular employee income increase mechanism and security mechanism, carried out "Three Projects Construction", "Three Prevention" commitments and "Warmth-Delivery" activity, strengthened efforts of energy conservation and emission reduction and took active part in emergency rescue and disaster relief as well as community work. It successfully performed its corporate social responsibilities.

In 2015, CREC ranked 71st in top 500 companies in the world. The company won 2 National Science and Technology Progress Awards, 11 Luban Prizes for China Architecture Project, 8 Zhan Tianyou Prizes and 13 National High-Quality Project Awards.

In 2016, CREC will continue to faithfully fulfill its corporate mission and constantly explore new forms of society benefiting and make efforts to make new and greater contributions to promoting scientific development and social harmony.

Chairman of the Board: Li Changjin

March, 2016

公司价值观

Company
Values

企业使命:

建造精品 改善民生

企业精神:

勇于跨越 追求卓越

企业宗旨:

创新创效 优质发展

Corporate Mission:

Construct excellent projects to
improve people's livelihood

Corporate Spirit:

The courage to leaps and the pursuit
for excellence

Tenet of Enterprise:

Innovate and Create benefit
Quality development

社会责任规划

作为建筑行业的领军企业，中国中铁始终以成为企业社会责任的实践者、推动者和引领者为己任，自2008年起，开始着手建立科学、规范、系统、有效的企业社会责任管理体系。2015年印发了《关于履行企业社会责任的指导意见》，进一步明确了依法治企、优质服务、创造效益、员工发展、安全监管、科技进步、环境保护、公益事业、合作共赢、海外责任等十个方面的社会责任规划，并从公司总部到各子公司全面开展了一系列社会责任管理实践活动，以实现全面覆盖、充分履行、日臻完善、行业领先的社会责任目标，为社会持续提供不可替代的杰出贡献。

Planning of Social Responsibility

As a leader in the construction industry, CREC has always been to become a practitioner, propellant and leader of Corporate Social Responsibility as its mission. Since 2008, it began to establish a scientific, standardized, systematic and effective management system of corporate social responsibility. In 2015, issued <Guiding opinions on the fulfillment of corporate social responsibility>, planned social responsibility from ten aspects of managing enterprises according to law, high-quality service, benefit creation, staff development, safety supervision, science & technology progress, environmental protection, public welfare undertaking, win-win cooperation and overseas responsibility. And the company launched a series of management practices of corporate social responsibility from the company headquarters to the subsidiary in order to achieve the goal of full-coverage, full-fulfillment, pursuit for perfection and industry-leading social responsibility, making the irreplaceable and outstanding contributions to a sustainable society.



利益相关方

多年来，中国中铁始终与利益相关方保持和谐互信、互惠互利的合作关系，坚持从利益相关方视角，积极回应利益相关方关注的重要问题，建立顺畅、规范、富有特色的利益相关方沟通机制，努力实现与各利益相关方共同发展、和谐共赢。经全面分析所在行业产业链条和宏观环境，中国中铁的利益相关方主要由十类群体构成，即债权人、客户、政府、投资者、合作伙伴、同业者、非政府组织、员工、公众、供应商。

Interested Parties

Over several years, CREC has always maintained the cooperation relationship of harmony, mutual trust, mutually benefit with all interested parties, adhered to the interests of interested parties in the perspective of interested parties, responded actively to important issues that interested parties pay attention to, established smooth, standardized and distinctive communication mechanism of interested parties, and made efforts to achieve common development, harmony and win-win with all interested parties. After a comprehensive analysis of the production chain and macro-environment in the industry, CREC interested parties are mainly constituted in ten groups, i.e. creditor, clients, government, investor, partners, brother chip, NGO (non-governmental organization), staff, public and suppliers.



公司概况

中国中铁是集勘察设计、施工安装、工业制造、房地产开发及其他业务于一体的特大型企业集团，全球最大的建筑工程承包商之一，在世界企业500强中排名第71位。公司于2007年12月3日、12月7日分别在上海、香港两地上市。公司总资产7136.68亿元，净资产1394.01亿元。

中国中铁建设者先后修建了9万多公里的铁路，占中国铁路总里程的三分之二以上，占中国电气化铁路的90%；参与建设的公路超过4万公里，其中高速公路超过1.5万多公里，占中国高速公路总里程的八分之一；参与建设了2000多公里的城市轨道工程，占中国城市轨道交通工程的五分之三；修建了武汉长江大桥、南京长江大桥、东海大桥、杭州湾跨海特大桥等近万座大桥，总长达1.7万多公里；建成秦岭隧道、太行山隧道、厦门翔安海底隧道、武汉长江隧道等长大隧道共计1.6万多公里。公司建设者先后13次远征南极，承担了中山站、长城站、昆仑站建设和维护任务。公司还先后参加了国内5000余项机场、码头、水电、高层建筑、市政等大型工程的设计与施工，经营范围覆盖到基础设施建设的各个领域，工程项目遍布中国除台湾省以外的各省市自治区以及全球60多个国家和地区，科技水平在诸多领域达到世界先进水平，并且屡获国家科技进步奖。

Company Profile

CREC is an extremely large enterprise group with survey and design, construction and installation, industrial manufacturing, real estate development and other business. It is the largest construction contractors in the world, ranking 71st in the top 500 companies in the world. CREC was listed respectively on December 3rd, 2007 and December 7th, 2007 in Shanghai and Hong Kong, with the total assets of RMB 713.67 billion Yuan and net assets of RMB 139.40 billion Yuan.

Constructors of CREC have successively built railways of more than 90000 kilometers, accounting for more than two-thirds of the total length of national railway, accounting for 90% of national electrified railway. They have been participated in the road covering over 40000 kilometers, of which expressway is more than 15000 kilometers, about one-tenth of highway mileage; they have been participated in the three-fifths of national urban rail project; they have constructed nearly ten thousand bridges with total length of 17000 kilometers including Wuhan Yangtze River Bridge, Nanjing Yangtze River Bridge, the East Sea Bridge, Hangzhou Bay Cross-sea Bridge; they have built long tunnels of Qinling Tunnel, Taihang tunnel, Xiamen Xiang'an undersea tunnel, Wuhan Yangtze River Tunnel and so on, with the total of 16000 kilometers. The builders with the Antarctic expedition for 13 times shouldered the construction and maintenance tasks of Zhongshan Station, Great Wall Station and Kunlun station. The company also has participated in design and construction of more than 5000 large-scale projects including national airports, docks, hydropower, high-rise buildings, municipal and other large projects, with the business scope covering all civil construction fields, and the projects in all provinces and autonomous regions of China except for Taiwan and more than 60 countries and regions in the world. The technological level in many areas has reached the world's advanced level, and has won the national highest award for many times.





 公司治理
Company Governance

 内控监督
Internal Control Supervision

 诚信经营
Honest Management



公司治理

2015年1-6月，公司董事会由7名董事组成。7月，原执行董事、总裁戴和根因工作调动离任。2016年1月，公司年度第一次临时股东大会选举新任总裁张宗言为执行董事。目前，公司董事会仍由7名董事组成，其中执行董事3名、独立非执行董事4名，独立董事占董事会成员半数以上。董事会下设战略、薪酬与考核、审计与风险管理、提名、安全健康环保5个专门委员会。战略委员会由5名董事组成，其中执行董事3名，独立非执行董事2名；审计与风险管理委员会由3名董事组成且全部为独立非执行董事，均具有丰富的上市公司及大型企业财务管理经验；薪酬与考核委员会由3名董事组成且全部为独立非执行董事，全部具有丰富的上市公司及大型企业业绩考核和薪酬管理经验；提名委员会由5名董事组成，其中执行董事2名，独立非执行董事3名；安全健康环保委员会由5名董事组成，其中执行董事2名，独立非执行董事3名。公司监事会由5名成员组成，其中股东代表监事2人、职工代表监事3人。高管层成员8名，其中包括执行董事兼任总裁1名，副总裁、总工程师1名，副总裁4名，财务总监1名和董事会秘书、总法律顾问1名。一年来，董事会坚持按制度、按规定、按程序依法合规履行职责，充分履行“把方向、决大事、控风险”职能，确保了股东大会、董事会及其专门委员会、监事会、经理层决策程序之间的有效衔接，公司治理结构高效运行。

2015年，公司积极适应监管新常态，积极履行监管新要求，注重增强公司治理规范下的效能提升，以健全制度规则和运行机制、研究完善授权体系、强化激励和约束等为重点，以清晰的董事会、监事会和经理层职能定位为依托，不断完善权责对等、运转协调、有效制衡的决策、执行和监督机制，持续提升决策机制的科学性、执行力建设的有效性和监督效果的针对性，不断提升公司治理水平，忠实执行出资人意志、维护股东权益，为公司持续健康快速发展提供了保证。

2015年，全年共召开董事会会议12次，5个专门委员会会议15次；共审议议案和报告253项，作出决议196项，各项决策依法合规，决议执行情况良好。

Company Governance

In January-June 2015, the Board of Directors was composed of 7 members. From July to December, the former executive director and president Dai Hegen left his post because of job transfer. In January 2016, the company general meeting of stockholders elected a new president Zhang Zongyan as executive director. At present, the Board of Directors is still composed of 7 members including 3 executive directors, 4 independent non-executive directors, and independent directors account for more than half of the Board members. There are 5 special committees of strategy, remuneration and performance assessment, audit and risk management, nomination as well as safety, health and environment committees under the Board of Directors, among which strategy committee is composed of 5 directors and 3 of them are executive directors and 2 of them are non-independent director; audit and risk management committee is composed of 3 directors, all of them are independent non-executive directors who have rich experiences in listed company and large corporate financial management; nomination committee is composed of 5 directors, 2 of them are executive directors and 3 of them are independent non-executive directors; SHE committee is composed of 5 directors, 2 of them are executive directors, and 3 of them are independent non-executive directors. The board of supervisors is composed of 5 members including 2 shareholder representative supervisors and 3 workers' representative supervisors. The upper management is composed of 8 members including 1 executive director and president, 1 vice president and chief engineer, 4 vice presidents, 1 CFO, 1 board secretary and 1 general counsel. In the past year, the Board of Directors insisted on fulfilling responsibilities in system, regulation and procedure in accordance with the law of compliance, fully performed its function of "grasping direction, deciding major issues and controlling risk" to ensure effective connection in decision-making procedures of general meeting of stockholders, Board of Directors and its special committee, Board of Supervisors and managers. As a result, governance structure of CREC worked effectively.

In 2015, CREC actively adapted to new normal supervision situation and fulfilled new supervision requirement. In addition, it paid attention to enhancing efficiency promotion under company governance standard. By improving system rules and operation mechanism, studying and perfecting authorization system, enhancing motivation and restriction systems, and on the basis of clear functional orientation of Board of Directors, Board of Supervisors and managers, it constantly improved decision-making implementation supervision mechanism in reciprocity of power and responsibility, operation coordination, and effective counterbalance. Moreover, it constantly promoted scientificity of decision-making mechanism, effectiveness of execution building, pertinency of supervision effect to continuously improve the company governance level, faithfully execute investor's will, maintain shareholder's rights and interests to offer guarantee for continuous, healthy and rapid company development.



董事会

内控监督

中国中铁高度重视内控体系建设，按照《企业内部控制基本规范》要求，在制定下发《工程项目内部控制指导手册》等相关文件的基础上，2015年，根据企业全面深化改革的需要，加强对内控审计和评价中发现的管理缺陷的整改，修订完善了总部内部控制体系文件。召开管理制度评审会议6次，完成了27项规章制度的评审工作。

Internal Control Supervision

CREC attached great importance to construction of the internal control system. According to Basic Norms of Corporate Internal Control, by issuing relevant documents including Instruction Manual for Internal Control of Engineering Projects, in 2015, CREC strengthened efforts on defect rectification in internal control under the requirements of overall in-depth corporate reform. With regard to management defects found in internal control audit and appraisal, the company took relevant rectification measures, revised and improved internal control system documents of the headquarter. In the whole year, management system appraisal meeting was held for 6 times, and 27 rules and regulations have been appraised.



审计与风险管理委员会

公司结合企业实际，在组织开展风险管理初始信息收集和所属各单位风险评估结果的基础上，编制风险评估调查问卷，从5大类76个风险点列举出公司层面面临的风险，从风险发生的可能性和影响程度两个维度制定风险评估准则，开展了风险问卷调查，评估确定公司层面重大和重要风险，并编制了《2015年度全面风险管理报告》。

In combination with its reality and based on the organization of initial information collection for risk management and risk assessment results of all subordinate units, CREC compiled the risk assessment questionnaire, listed five categories and 76 risk points that it was facing, formulated risk assessment standards from the probability and influence degree of risk, carried out risk questionnaire survey, assessed and determined the great and major risks that it was facing and compiled the Overall Risk Management Report 2015.



南宁地铁1号线贯通

诚信经营

2015年，公司在市场经营开发工作中，严格贯彻执行《招标投标法》，全年参与数百次投标，无不良经营行为。在施工生产环节，加强组织领导，统筹资源安排，推进项目扁平化、精细化管理，优化施工组织方式和劳动用工方式，全面兑现了各项合同承诺。

资料1:2015年，中铁二局、中铁五局、中铁八局等被评为全国守合同重信用企业，中铁一局、中铁九局、中铁十局等被评为省级守合同重信用企业，中铁三局、中铁七局、中铁建工、中铁大桥局等被评为全国交通企业法治先进单位，中铁建工被评为诚信创建企业，中铁六局等被评为AAA级信用企业，中铁上海局被评为上海市用户满意施工企业。

资料2:2015年，全公司如期保证了合福高铁、海南西环高铁、宁安高铁、南昆客专、丹大铁路、津保铁路、张唐铁路、埃塞俄比亚轻轨等一批重点工程相继建成使用。

资料3:在2015年下半年铁路施工企业信用评价中，中国中铁港航局、中铁十局、中铁五局、中铁四局四家单位被评为A级，分别位列第一、第三、第四、第八名。



中央企业法制宣传教育先进单位

Honest Management

In 2015, CREC strictly implemented The Bidding Law of the People's Republic of China in market operation development. It participated in hundreds of biddings all year around, without one case of unhealthy operating behavior. In construction and production procedure, CREC intensified organizational management, made overall resources arrangement, promoted the project plat and delicacy management, optimized the construction organizing method and labor employing method, and completely fulfilled the commitment to each contract.

Information 1: In 2015, CREC No.2, CREC No.5 and CREC No.8 were awarded national contracted honor enterprises, CREC No.1, CREC No.9 and CREC No.10 were awarded provincial contracted honor enterprises, CREC No.3, CREC No.7, CRCEG (China Railway Construction Engineering Group), CRBB (China Railway Bridge Bureau) were awarded advanced legal units in national transportation corporates, CRCEG was awarded creditable construction corporate, CREC No.6 was rated as AAA credit corporate, and CREC Shanghai Bureau was rated as Shanghai customer satisfaction construction corporate.

Information 2: In 2015, CREC guaranteed a batch of key projects were put into use, including Hefei-Fuzhou High-Speed Rail, Hainan Western Island-Looping High-Speed Rail, Nanjing-Anqing High-Speed, Nanning-Kunming Passenger-Dedicated Railway, Dandong-Dalian Railway, Tianjin-Baoding Railway, Zhangjiakou-Tangshan Railway, Ethiopian Light Rail, etc.

Information 3: In 2015, half of the railway construction enterprise credit evaluation, CRPCEC, CREC No.10, CREC No.5 and CREC No.4 was rated A-class, respectively ranked the first, the third, the fourth and the eighth.



-  改善物理环境
Improvement of Physical Environment
-  提高服务质量
Improvement of Service Quality
-  建设精品工程
Construction of High-Quality Project



改善物理环境

中国中铁具有在复杂地质及水文条件、以及特殊环境下进行各种结构形式诸如铁路、公路、桥梁、市政等工程建设的雄厚技术力量和机械装备。从塞外到南国，从东海之滨到雪域高原，中国中铁人发扬“勇于跨越，追求卓越”精神，出色地完成了各个时期国家和人民交付的神圣使命，在全球基础设施建设领域留下了一串串闪光的足迹，在为人类理想而改善地球物理环境的伟大事业中做出了不凡业绩。

2015年 全年共建设完成铁路正线（新线、复线）7442公里，电气化铁路8220公里，公路1517公里（其中高速公路1083公里）。新建成桥梁1115公里，隧道1056公里。



Improvement of Physical Environment

CREC has powerful technical force and mechanical equipment that can be used in complex geological and hydrological conditions for construction of railways, roads, bridges and municipal buildings with various structures. From beyond the Great Wall to the south, from the East Sea to the snow-covered plateau, CREC people, by developing the spirit of "the courage to leap and the pursuit for excellence", have perfectly achieved the sacred mission that the state and people delivers during various periods, and left a string of flash footprints in the field of basic construction, making impressive performance in the great cause of improving the geophysical environment of the Earth for mankind's ideal.

In 2015, the track laying (new line, double line) that the whole company has completed covered 7442 kilometers, the electrified railway contacting net was 8220 kilometers, the roads covered 1517 kilometers (including the expressway of 1083 kilometers). The newly-constructed bridges covered 1115 kilometers and the tunnel extended 1056 kilometers.

提高服务质量

2015年，中国中铁始终坚持“精益求精，持续改进”总体思路，坚持以人为本的理念，以对国家、对人民、对企业高度负责的态度，不断提高服务质量。

工程质量管理方面，公司认真贯彻实施ISO9000体系标准，重新修订了《工程质量监督管理办法》，与现行工程质量管理、创优管理、质量事故处置、事故责任追究等规章制度有机衔接，健全内部质量保证体系，做到管理过程有序可控。

工业装备服务方面，公司以重大工程或产品为依托，不断加强售前、售中和售后服务，深入一线和现场，了解现场需求，收集产品反馈意见，不断提高产品和服务质量，提升管理水平。

在金融服务方面，公司不断拓展融资渠道及服务领域，先后成立了中铁汇达保险经纪有限公司和中铁金控融资租赁有限公司，并联合银行、保险、信托证券等大型金融机构创新开发金融产品，将和主业相关的优质基础设施类投资转化为各类金融产品，向机构及个人投资者推介。

资料1：2015年，中铁电气化局运管公司为确保博鳌亚洲论坛年会期间海南东环高铁运输畅通，完成了重污区绝缘子清扫、投光灯塔检查整治、分相磁枕测量、隧道照明设备测量检查等37项设备专项整治工作。论坛期间，设置了14个应急小分队，出动124人到全线各个站点，再次打赢了博鳌亚洲论坛保电战。

资料2：2015年，中铁装备以拓展“5S”服务内涵为基础，以强化片区管控为手段，致力于以标准化、专业化建设为核心的服务提升计划，不断提升服务水平。

资料3：截至2015年底，公司已先后完成了近45亿元的金融产品的发行及安全退出。

Improvement of Service Quality

In 2015, CREC always insisted on the general idea of "ever perfecting and continuous improvement" and adhered to people oriented concept to constantly improve its service quality in an attitude of highly responsible for the nation, the people and the corporate.

In project quality management, the company seriously implemented ISO9000 system standard, revised Measures for Project Quality Supervision and Management to effectively operate together with the current regulations on project quality control, excellence management, quality accident handling, accident responsibility investigation so as to improve internal quality assurance system for well-organized and controllable management process.

In industrial equipment service, based on major project or product, the company constantly enhanced pre-sale, sale and after-sale services. In addition, it went into the front line and work site to continuously improve its product and service quality and promote its management level.

In financial service, the company established CREC Huida Insurance Brokers Co., Ltd and CREC Financial Holding and Financial Leasing Co., Ltd. In addition, it cooperated with large financial institutions such as banks, insurance companies and trust securities to innovate and develop financial products so as to transform owner-related high-quality infrastructure investment into various financial products and introduce them to institutions and individual investors.

Information 1: In 2015, in order to ensure smooth transportation of Hainan Eastern Island-Looping High-Speed Rail during annual conference of Boao Forum for Asia, CREC EEB Operation Maintenance Co., Ltd carried out 37 special rectification tasks to equipment including insulator clearing in heavily polluted area, inspection and rectification of cast light beacon, split-phase magnetic sleeper measurement and tunnel lighting equipment measurement and inspection, etc. During the Forum period, it set up 14 emergency response teams and dispatched 124 persons for patrol in all sites of the whole line, and successfully completed power supply work for Boao Forum for Asia once again.

Information 2: In 2015, by taking "5S" service connotation development as the basis and enhancing area management and control as the method, CREC devoted itself to service promotion plan by making standardized and professional construction as the core to constantly improve its service level.

Information 3: By the end of 2015, the company had issued and safely exited nearly RMB 4.5 billion Yuan of financial products.



建设精品工程

2015年，中国中铁继续发扬“精心设计，绘制时代蓝图；科学施工，构筑精品工程”理念，始终把每一个施工现场管理作为一个系统工程，通过开展标准化工地达标活动，严把质量关口，严格执行施工工艺标准，不断提高建筑产品质量，不断丰富建筑产品内涵，努力把每一项工程都建设为国际一流建筑和百年精品工程。

2015年，公司11项工程荣获中国建设工程鲁班奖，分别是：济南市清雅居公共租赁住房项目、青岛市重庆路快速路工程、九江长江公路大桥、三亚海棠湾国际购物中心（一期）、舟山大陆连岛工程西堠门大桥、贵州省思南至剑河高速公路乌江特大桥、郑州东站、柳州市广雅大桥、新建铁路大同至西安铁路客运专线第11合同段晋陕黄河特大桥、上海市污水治理白龙港片区南线输送干线完善工程、白俄罗斯别列佐夫电站。“十二五”期间，共获中国建设工程鲁班奖47项，至此，中国中铁累计有138项工程获此殊荣。

郑州东站	三亚海棠湾国际购物中心（一期）
柳州广雅大桥	舟山连岛工程西堠门大桥



Construction of High-Quality Project

In 2015, CREC continued to carry forward the philosophy of "elaborately design to draw the blueprint for the times; scientifically construct to build high-quality project". It has always made every construction site management as a system, through standardization of site compliance activities, strictly controlled quality and strictly conducted construction technology standards. It constantly kept improving the quality of construction products and constantly enriching the content of construction products. It strove to build every project as an international first-class architecture and a fine art project.

In 2015, the company's 11 projects were awarded Luban Prize for China Architecture Project, which respectively were Jinan Qingyaju public rental housing project, Qingdao Chongqing Road expressway project, Jiujiang Yangtze River highway bridge, Sanya Haitangwan International Shopping Center (Phase I), Xiyoumen Bridge of Zhoushan-Dalian Island Connection Project, Wujiang River Super-large Bridge in Sinan-Jianhe Expressway in Guizhou Province, Zhengzhou East Railway Station, Liuzhou Guangya Bridge, Shanxi-Shanxi Yellow River Super-large Bridge in the 11th contracted section of newly built Datong-Xi'an Railway Passenger-Dedicated Line, Perfection Project of South Transmission Mains in Bailong Harbour Area in Shanghai Sewage Treatment, Belarus Berezov Power Station. Till now, CREC has accumulated 138 projects awarded with this prize.





- 促进经济发展
Promotion of Economic Development
- 社会贡献价值
Social Contribution Value
- 持续推动就业
Continuous Promotion of Employment



促进经济发展

中国中铁致力成为国民经济发展的支柱。2015年，公司通过完成全球市场，特别是中国市场的铁路、公路、轨道交通、港口、市政、机场等基础设施建设，拉动了全球和地方经济增长，促进了经济发展和社会进步，不断为社会创造和积累着优质的物质财富。

2015年，公司营业总收入6241.04亿元，同比增长1.88%；新签合同额9570.2亿元，同比增长2.4%；利税总额431.89亿元，同比增长10.66%，实现归属母公司净利润122.58亿元，平均每股收益0.53元，成为社会财富的重要创造者和社会经济发展的重要推动力量。

Promotion of Economic Development

CREC has worked hard to become the prop for the national economical development. In 2015, the company has driven the global and local economical growth and promoted the economical development and social progress through the fulfillment of the railway, highway, rail transit, port, government building, airport and other infrastructure construction in the global market especially the Chinese market, and constantly created and accumulated high-quality material wealth for the society.

In 2015, the company total revenues was RMB 624.10 billion Yuan, with a year-on-year growth of 1.88%; the amount of newly-signed contracts reached RMB 957.02 billion Yuan, with a year-on-year growth of 2.4%; the total amount of total taxes & profits was RMB 43.19 billion Yuan, with a year-on-year growth of 10.66%, net profit belonged to parent company was RMB 12.26 billion Yuan, with the average profit of RMB 0.53 Yuan for each share. It has become the major creators of social wealth and an important driving force for social and economic development.

(单位：亿元)
(Unit: RMB 0.1 Billion Yuan)



社会贡献价值

2008年以来，我们在行业中率先披露了公司每股社会贡献值。

2015年，我们继续完善评估体系，采用自我统计、估算与专家评审相结合的方法，研究测算了中国中铁2015年度企业社会贡献值和每股社会贡献值，供您参考。

我们的计算公式：

企业社会贡献值=盈利贡献+税费贡献+债息贡献+雇员贡献+公益贡献+其他贡献-环境负贡献-安全质量负贡献-其他负贡献。

每股社会贡献值=企业社会贡献值/总股本

近三年统计情况：

中国中铁2013年企业社会贡献值为1187.5亿元，每股社会贡献值为5.58元。

中国中铁2014年企业社会贡献值为1305.1亿元，每股社会贡献值为6.13元。

中国中铁2015年企业社会贡献值为1439.4亿元，每股社会贡献值为6.3元。

术语解释：

- (1) 盈利贡献：公司通过实现盈利为股东创造的价值
- (2) 税费贡献：公司为国家和地方财税缴纳的税收、费用等价值
- (3) 债息贡献：公司为债权人创造的利息等价值
- (4) 雇员贡献：公司为员工（含农民工）支付的工资福利价值
- (5) 公益贡献：包括捐款捐物在内的企业扶贫助困、奉献爱心等直接支出
- (6) 其他贡献：前述所列项以外的企业活动给社会带来的正效益评估值
- (7) 环境负贡献：企业行为对环境造成的负影响价值
- (8) 安全质量负贡献：企业安全质量事故对社会造成的负影响价值
- (9) 其他负贡献：前述所列项以外的企业活动给社会带来的负效益评估值

Social Contribution Value

Since 2008, we have taken the lead to disclose the value of social contributions of a share of the company in the industry.

In 2015, we continued to improve the assessment system, researched and estimated corporate social contribution value and one share value of the CREC in 2015 with the combination methods of self-statistics, estimation and expert assessments, which is just for your reference.

Our formula:

Corporate social contribution value = profit contribution + tax contribution + debt interest contribution+ employee contribution + the public welfare contribution + other contributions - negative contribution to the environment - negative contribution to the safety and quality - other negative contributions.

Each share of social contribution value = corporate social contribution value / total equity

The statistics in recent three years:

The corporate social contribution value of CREC in 2013 reached RMB 118.75 billion Yuan, and each share of social contribution value was RMB 5.58 Yuan.

The corporate social contribution value of CREC in 2014 reached RMB 130.51 billion Yuan, and each share of social contribution value was RMB 6.13 Yuan.

The corporate social contribution value of CREC in 2015 reached RMB 143.94 billion Yuan, and each share of social contribution value was RMB 6.3 Yuan.

Terminological Interpretation:

- (1) Profit contribution: the value that the company has created through making profits for shareholders.
- (2) Tax contribution: the value that company has paid the state and local tax revenue, fees and others.
- (3) Debt interest contribution: the value that company has created interest and others for creditors.
- (4) Employee contribution: the value of wages and benefits paid by company for employees (including migrant workers).
- (5) Public welfare contribution: the direct expenditures of helping the poor, loving and others including donated money and things.
- (6) Other contribution: the positive benefits assessment value that corporate activities bring for the society except the above items listed.
- (7) The negative contribution to the environment: the value of corporate behaviors caused negative impact on the environment.
- (8) The negative contribution to the safety and quality: the value of corporate security quality incidents caused the negative impact on the society.
- (9) Other negative contribution: negative benefits assessment value that corporate activities bring to the society except the above items listed.



为农民工提供就业岗位



新员工入职培训

持续推动就业

中国中铁始终把促进就业作为公司社会责任的一项关键内容。2015年，公司认真落实《集体合同》员工上岗就业承诺，千方百计促进企业下岗职工实现再就业。公司每年通过接收大中专毕业生、接收转业军人、通过人才市场引进人才等形式，为社会创造和提供了大量新的岗位。2015年，全公司新接收大中专毕业生6470余人，军转干部在京安置工作也得到国务院军转办肯定。

2015年，全公司为180万农民工提供了就业岗位，在大力推行农民工与职工“五同”管理的基础上，通过开展向协作队伍派遣党群工作协理员、加强作业层队伍建设等，进一步加强对一线农民工的管理、支持和帮扶，同时，采取多种措施，保证农民工工资按时足额发放。

资料：2015年，公司修订了《中国中铁人才引进管理办法》，改进完善了人才引进特别是毕业生招聘的范围及程序，更好地切合各单位用人需求，真正把一大批高素质的人才充实到企业。

Continuous Promotion of Employment

CREC always fulfills employment responsibility which is taken as one core content of its corporate social responsibility. In 2015, the company strictly implemented the staff employment commitment of Collective Contract, making every endeavor to promote laid-off employees for re-employment. Every year, the company will create and provide large amounts of new job positions for the society through receiving the graduates from junior college and technical secondary school, receiving demobilized armyman and introducing talents from HR market. In 2015, the whole company received more than 6470 new graduates from junior college and technical secondary school, and was praised by Military Demobilization Office of the State Council for its good reception work for demobilized army cadres.

In 2015, the whole company provided employment opportunities for 1.8 million peasant workers. On the basis of vigorously promoting "Five Same" Management for peasant workers and staff, the company dispatched political assistant to collaborative team for party-masses working and enhanced construction team building. It further intensified management, support and help to the front line peasant workers to ensure it could pay wages to peasant workers on time in full.

Information: In 2015, the company revised Measures for CREC Talent Introduction Management, improved and perfected talent introduction scope and procedures especially for the graduate recruitment so as to better meet employment requirement of each unit to ensure a large number of high-quality talents to join the corporate.



维护员工权益
Maintenance of Staff's Rights and Interests



促进员工成长
Promotion of Staff's Growth



加强三工建设
Reinforcement of Three Projects Construction



维护员工权益

中国中铁高度重视员工权益保护，坚持男女平等，依法签订劳动合同，建立科学的薪酬管理制度，维护职工合法权益。

劳动合同管理

2015年，公司认真贯彻落实新修订的《劳动合同法》，员工劳动合同签订率达到100%。认真贯彻落实国家有关劳务派遣用工的法律法规，积极采取“四个一批”措施（“清理一批、改造一批、培养一批、转录一批”），严格规范企业劳务派遣用工管理，有效维护企业劳务派遣员工的切身权益。

员工薪酬管理

中国中铁建立了员工工资正常增长和保障机制，稳步提高员工收入水平。2015年，保持员工收入增长与企业经济效益增长相适应，重点提高一线员工、关键岗位的收入水平，保障企业员工工资按时足额发放。

员工社保管理

公司切实保障职工合法社保权益，督促成员企业及时为职工参加基本养老保险、基本医疗保险、工伤保险、失业保险及生育保险。积极贯彻落实国家关于行业、企业社会保险纳入地方管理的要求。

员工民主权利

2015年，公司召开二届一次职代会，由工会代表全体员工与企业签订了《中国中铁2015年集体合同》；坚持职代会审议行政工作报告、民主评议领导人员、职工提案报告等制度，进一步畅通了职工民主参与、民主管理、民主监督的渠道。

员工生活保障

2015年，公司制定下发了《职工生活保障工作指导意见》，全公司全面推进“三让三不让”职工关爱工程、“两节送温暖”等活动，积极为困难员工排忧解难，检据报销“三不让”资金5133万元，帮扶3.1万余人次，共发放“送温暖”资金1.65亿元、金秋助学款723万元，慰问员工、离退休人员、一线员工和农民工25万余人，资助困难职工子女3493人。

员工休假制度

公司严格遵守国家劳动法律法规，认真执行国家《员工带薪年休假条例》及其他各类假期规定。对在法定节假日、公休假日工作和延长工作时间的职工，按照国家法律规定支付薪酬及加班工资。

Maintenance of Staff's Rights and Interests

CREC paid high attention to maintenance of staff's rights and interests, and supported gender equality. Through the agreement and signature of labor contract according to law, it established a scientific system of salary management and maintained the staff's legal rights and interests.

Labor Contract Management

In 2015, the company strictly implemented the national Labor Contract Law, and the signature rate of labor contract in the whole company reached 100%. It earnestly implemented national laws and regulations on contract workers sent by corporates, actively adopted "four one-batch" measures ("clean up a batch, reform a batch, train a batch and transfer a batch"), strictly standardized management on contract workers sent by corporates, and actively maintained the migrant workers' legal rights and benefits.

Staff Salary Management

CREC built regular employee income increase mechanism and security mechanism and raised income of the employees gradually. In 2015, the company maintained staff income growth and corporate economic benefit growth, increased the income level of the staff in first line and in key position, and guaranteed the staff salary could be paid on time in full.

Staff Social Insurance Management

CREC protected legal social security rights and interests of the staff, supervised and urged member corporates to join in primary endowment insurance, basic medical insurance, work-related injury insurance, unemployment insurance and maternity insurance. In addition, the company actively implemented national requirements about industry and corporate social insurance to be listed into local management.

Democratic Rights of Staff

In 2015, the company held the 1st session of the second staff's congress. On the congress, the labor union signed CREC 2015 Collective Contract with the corporate on behalf of all staff; it insisted on the systems of staff's congress review of administrative work report, democratic appraisal to leaders, and staff proposal report, and further unblocked the channel for democratic participation, management and supervision.

Life Guarantee for Staff

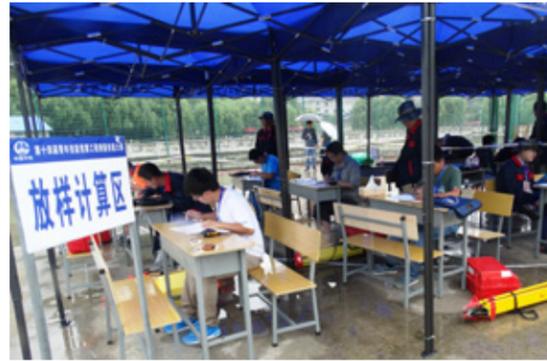
In 2015, CREC formulated and issued Instructions to Staff Life Guarantee Work. The whole company further deepened the "three permissions and three preventions" commitments for staff care program and the activity of "warmth-delivery in two festivals" to help staff solve the difficulties. It totally inspected and reimbursed special fund over RMB 51.33 million Yuan for "three preventions" activity, and helped over 31,000 staff in difficulty. In addition, the company raised warmth-delivery fund of RMB 165 million Yuan and autumn study aid payment of RMB 7.23 million Yuan, and visited over 250,000 staff, retirees, first-line staff and peasant workers.

Staff Holiday System

The company strictly complied with the national labor legal regulations, carefully implemented the national Regulations of Paid Annual Leave of Employees and various other holiday regulations. It paid remuneration and overtime salary to staff that worked on legal holidays, public holiday or work overtime according to national legal regulations.



第一届中国中铁国际工程班开班



中国中铁青年技能大赛



《爸爸，我来了》大型公益直播活动



农民工：我的兄弟姐妹全国摄影展

促进员工成长

中国中铁大力实施“人才强企”战略，把人才资源视为企业的第一资源，努力做到人才资源优先开发、人才结构优先调整、人才投入优先保证、人才制度优先创新。

2015年，公司先后举办了2期领导干部井冈山党性教育培训班、2期领导干部理论培训班、2期处级干部进修班和2期三级施工企业总经理培训班，共培训领导干部561人次。全公司共培训各级各类人才30余万人次，促进了人才队伍能力素质的大幅度提高。

2015年，公司研究制定了《中国中铁2016-2020年高端人才培养规划》，进一步完善了高端人才选拔培养机制，有2人获“百千万人才工程国家级人选”和“国家有突出贡献中青年专家”称号。修订完善了各系列高级专业技术职务任职资格评审制度，进一步规范了专业技术职务评审工作。全年共评审通过教授级高级工程师168人、高级专业人才2600余人。全公司认定特级职业项目经理3人，一级职业项目经理14人，二级职业项目经理103人，三级职业项目经理208人，深入推进项目经理职业化建设。

资料：2015年，公司研究制定了《国际化人才培养培训实施方案》，与7所高校联合开办中国中铁国际工程班，致力于培养一大批高素质、复合型的国际化人才。

Promotion of Staff's Growth

CREC strongly implemented the "Talent Corporate" strategy, treated the talents as the first corporate recourse, made effort to give priority to development of talent resources, give priority to adjustment of talent structure, give priority to talent investment and give priority to innovation of the talent system.

In 2015, the company conducted party spirit education training twice in Jinggangshan for leading cadres, theoretical training twice for leading cadres, class for advanced studies twice for department leaders, and general manager training twice for Level 3 construction enterprise, with the total trained leading cadres of 561 person-time. The whole company has totally trained over 300,000 talents in all fields and promoted the substantially improvement of talent team in capacity and quality.

In 2015, the company studied and made 2016-2020 CREC High-End Talent Training Planning to further improve high-end talent election and training mechanism. Two persons won the titles of "National Candidate for National Hundred, Thousand and Ten Thousand Talent Project" and "Young and Middle-aged Expert with Outstanding Contributions to China", respectively. The company revised and perfected qualification appraisal system for all series of senior professional technical titles, and further standardized professional technical title appraisal work. It totally appraised and passed 168 professor senior engineers, 2600 high-end professional technical talent. The whole company certified 3 special grade professional project managers, 14 Grade 1 professional project managers, 103 Grade 2 professional project managers and 208 Grade 3 professional project managers to deepen the project manager professionalism construction.

Information: In 2015, the company studied and made Solutions for International Talent Cultivation and Training, the 1st session CREC International Project Class was opened in 7 universities. The company devoted itself to training of large numbers of high-quality and all-round international talents.

加强三工建设

2015年，中国中铁坚持以工地生活、工地文化、工地卫生“三工”建设为抓手，全年累计投入“三工”建设资金2.67亿元，全面改善施工一线的生活文化卫生水平，为一线员工营造了良好的生活和工作环境。

资料1：2015年，中铁大桥局与地方政府联合策划主办了大型公益直播节目《爸爸我来了》，先后在蒙华铁路公安长江大桥项目部、武汉青山长江大桥项目部进行直播，共组织了100余名来自全国各地的留守儿童，到建桥工地与自己的父亲团聚，让他们充分感受大桥人爱的关怀，感受大桥工地家的温暖。

资料2：2015年，中铁上海局大力加强“三工”建设，全年投入经费2814.85万元，切实改善一线员工的生产生活条件。

Reinforcement of Three Projects Construction

In 2015, CREC adhered to the "three projects" construction as the main content of construction site life, culture and hygiene, accumulatively invested RMB 267 million Yuan in the "three projects" construction, fully improved the standard of living, culture and hygiene in forefront of the construction and created good living and working environment for the staff at the production line.

Information 1: In 2015, CRBB (China Railway Bridge Bureau) and local government jointly planned and hosted large public welfare live program I'm Coming, Dad, which was live broadcast in project department of Gong'an Yangtze River Bridge of Inner Mongolia-Central China Railway and project department of Wuhan Qingshan Yangtze River Bridge. It totally organized more than 100 stay-at-home children from all over the country to the bridge construction site to reunite with their parents so as to let them feel the care of bridge constructors and feel the family warmth of bridge construction site.

Information 2: In 2015, CREC Shanghai Bureau enhanced "three projects" construction. It invested RMB 28.14585 million Yuan in the full year to improve the production and living conditions for the front line staff.



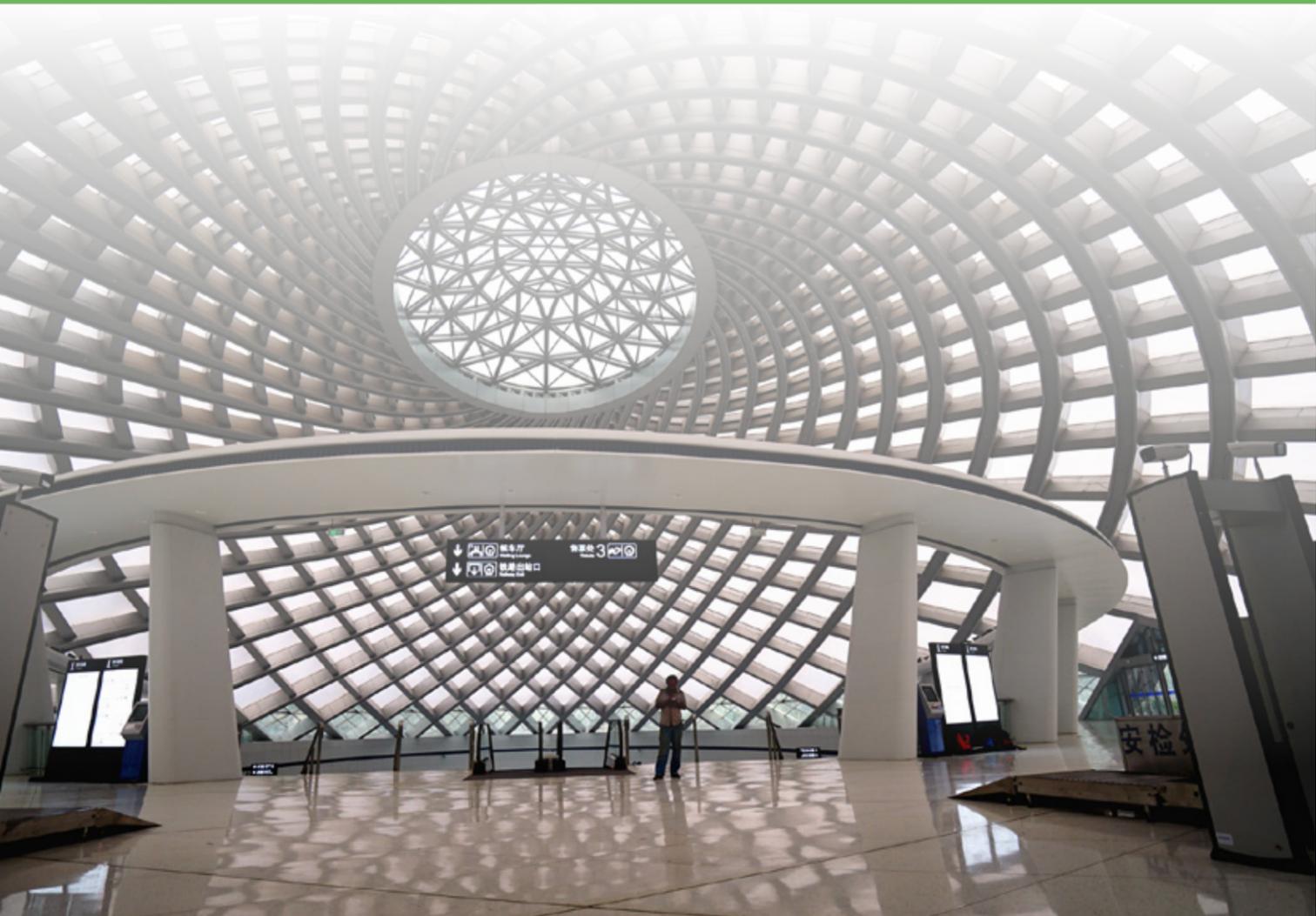
完善管理体系
Perfection of Management System



落实保障措施
Implementation of Safeguard Measures



保障职业健康
Concerns about Occupational Health



青年安全监管岗员反“三违”宣誓



注册安全工程师考前培训

完善管理体系

中国中铁始终将“保持安全生产的稳定局面，为社会提供安全优质的建筑产品，为公众提供安全愉悦的周边环境，为员工创造安全健康的工作条件”作为履行社会责任的重要方面。在长期的施工生产和项目管理过程中，形成了一整套完善的管理体系，包括安全生产责任制、防治重大事故、安全投入、安全教育、安全管理和安全督查、安全考核及奖惩等方面。

中国中铁安全观：隐患险于明火，防范胜于救灾，责任重于泰山。

安全管理工作方针：安全第一，预防为主，综合治理。

安全管理工作原则：统一领导、落实责任、分级管理、分类指导、全员参与。

安全管理目标：建设本质安全型企业。

2015年，中国中铁深入贯彻党中央、国务院有关安全生产工作的一系列重要精神，进一步完善安全质量管理规章制度，坚守“红线”意识，强化“零事故”理念。公司先后研究制定了《工程项目安全风险分级管控指导意见（试行）》、《起重吊装作业安全卡控红线》、《瓦斯隧道施工防爆卡控红线》、《有限空间作业安全卡控红线》、《盾构法隧道测量管理卡控要点》等文件，明确了危险作业风险环节和管理、技术卡控要点，作为企业安全管理的强制性标准，进一步规范施工生产行为，有效防控安全质量风险。

Perfection of Management System

CREC is constantly taking "to maintain stable condition of safe production, to provide the society with safe and good-quality architectural products, to provide the public with pleasant environment and create safe and health working condition for the staff" as the most important aspect of its social responsibility. In the long-term construction production and project management process, CREC formed a complete set of perfect safety management system, including the safe production responsibility system, prevention of major accidents, safety input, safety education, safety management and safety inspection, safety assessment, rewards and punishments and so on.

CREC safety concept: hidden dangers in the fire, prevention is better than disaster relief, and responsibility is extremely heavy.

Safety management policies: safety first, prevention as the main and comprehensive management.

Safety management principles: unified leadership, responsibility, classification management and guidance, full participation.

Safety management objectives: building of intrinsic safe enterprise.

In 2015, CREC deeply carried out series of important spirits about safe production work issued by Central Party and the State Council, and further perfected regulations on safety and quality management. It insisted on "Red Line" awareness and intensified "Zero Accident" concept. The company studied and formulated Instructions for Safety and Risk Classification Management for Engineering Project (trial), Red Line for Safety Control of Crane Lifting Operation, Red Line for Explosion-Proof Control of Gas Tunnel Construction, Red Line for Safety Control of Confined Space Work, Key Points for Management and Control of Tunnel Measurement by Shield Method and so on. It defined hazardous operation risk links and management as well as key technical control points to be mandatory standard for corporate safety management. In addition, it further standardized construction and production behavior and effectively prevented and controlled safety and quality risk.

落实保障措施

2015年，公司将九大类别项目安全风险从高到低分为四个等级，对特级风险项目的实施性施组和重点专项方案进行评审，全年完成评审17项，同时严格分级评审监督管理，推进分级负责制、层级现场稽查复核制、片区督导巡视覆盖制等，有效防控工程项目安全风险。

2015年，公司组织开展了系统性安全质量检查，覆盖了216个建设及作业项目，对存在突出问题的受检单位下发《专项督办通知书》，并监督到整改闭合。全公司各施工企业共开展安全质量大检查、专项检查146次，检查项目2103个，各单位稽查大队共稽查5629个项目，有力促进了重点工程项目的安全质量管理工作。

资料1：2015年，中铁七局深入推进项目自查、三级公司排查、局稽查大队稽查、局区域包保领导督查的“四位一体”安全监管模式，始终保持安全工作的高压态势，全年没有发生安全责任事故，确保了全年安全生产形势持续稳定、有序可控。

资料2：2015年，中铁三局深入开展班前安全质量宣誓、群安员、青安岗等活动，积极培育以“本质安全”为重点的安全文化，坚持“科技兴安”的方针，加大安全生产科研和机械化投入，提高科技保安全水平。



安全生产承诺签名



安全生产月

Implementation of Safeguard Measures

In 2015, the company classified the safety risk of 9 categories of project into four grades from high risk to low risk. It carried out evaluation to construction teams and key special schemes for special grade risk projects. So far, the company has completed 17 evaluations, and strictly performed grading evaluation supervision management to push forward grading responsibility system, hierarchy on-site audit review system and district supervision and patrol coverage system, etc. In this way, safety and quality risks in the project were effectively controlled.

In 2015, the company organized and carried out systematic safety and quality inspection, covering 216 construction and operation items. It issued Notice for Special supervision to those inspected units with prominent problems, and supervised them till to rectification closed. All construction units of the whole company totally carried out safety and quality inspection and special inspection for 146 times with 2103 inspection items. All audit teams performed audit 5629 items. All these works forcefully promoted safety and quality management work to key engineering projects.

Information 1: In 2015, CREC No.7 deeply pushed forward "Four-in-One" safety supervision mode of project self-inspection, three-grade company checking, inspection of bureau audit team and bureau regional competent leader supervision. It always kept tough stance on safety work, and there was no safety responsibility accident in the year, which ensured continuous stability and well-organization and controlling of safe production situations.

Information 2: In 2015, CREC No.3 deeply carried out series of activities such as making a vow of safe production before starting working, appointing mass safety supervisor and youth safety supervision post. It actively cultivated safety culture by taking "intrinsic safety" as the key point, and insisted on the policy of "promoting safety by science and technology" to increase the investment on safe production research and development and mechanization to improve safety level by science and technology.



工地安全警示镜

保障职业健康

2015年，中国中铁继续秉持“以人为本、安全发展”的管理理念，强调“本质安全、长治久安”，高度重视员工身心健康。在全公司开展工程项目全员安全教育培训活动，并在总部网络办公平台上增设了“安全生产管理模块”。全公司开展各类安全教育培训和活动共计24200次，受教育和考核人员达322326人次。举办注册安全工程师继续教育、公路水运“三类人员”考核、施工现场管理人员等7期培训班，共计850余名安全质量、施工技术人员接受了培训。所属各施工企业累计开展施工技术培训47308次，其中领导层培训26233人次、管理层培训411614人次、作业层（劳务人员）培训1031861人次，有效提高了相关从业人员的素质和技术技能，为保障员工的职业健康奠定了坚实基础。

全公司进一步完善员工健康档案，定期组织员工体检，为员工办理职业伤害保险，开展健康讲座，引导员工和企业共同做好职业危害源头控制，积极配合相关部门做好职业危害科学防治。在工程现场，加大资金投入力度，改善员工工作环境，不断完善现场防尘、降噪及安全设施，加强作业场所所有有毒有害气体、粉尘、噪声的检测和治理，为作业人员提供符合安全卫生标准的劳动保护设施和个人防护用品，最大程度地减少职业危害，积极为员工创造安全、卫生、舒适、和谐的工作环境。

资料1：中铁二局坚持开展EAP员工帮助计划，加强人文关怀和心理疏导。2015年8月20日，二局四公司在京新项目启动了以“释放压力，魅力人生”为主题的第二届心理健康节，为基层员工提供了接触心理知识、加深自我认识、关注心理健康的平台。

资料2：中铁六局按照年度职业健康目标要求，积极主动为作业人员提供符合安全卫生标准的劳动保护设施和个人防护用品，所有施工作业场所的有毒有害气体、粉尘、噪声的检测和治理均达到国家和行业卫生标准，没有发生职业病案例。

Concerns about Occupational Health

In 2015, CREC continued to adhere to the management concept of "people first and safe development", focused on "intrinsic safety and lasting stability", highlighted the staff's physical and mental health. It carried out staff safety education and training activities for engineering project in the whole company, and added "safe production and management module" on the headquarter's network office platform. The whole company carried out various safety educations and trainings as well as activities for 24200 times with 322326 person-time of staff who received education and assessment. In addition, the company cooperated with Capital University of Economics, Xianyang Cadre School and Shijiazhuang Party School to jointly conduct 7 training classes including registered safety engineer continuing education, assessment to "three categories of personnel" in highway and water transportation, and training to on-site construction management personnel. Totally about 850 safety and quality supervisors and construction technicians received the training. All construction enterprises under CREC accumulatively carried out construction technical training for 47308 times, of which, 26233 person-time were for leadership training, 411614 person-time were for management training, and 1031861 person-time were for operators (contract workers) training. These activities effectively improved technical quality and operation skill of the related employed persons, laying a solid foundation for safeguarding staff's occupational health.

The whole company further perfected staff health record, regularly organized staff physical examination, conducted occupational injury insurance for the staff, carried out health lectures so as to lead staff and enterprises to control the occupational hazard source and actively carry out scientific prevention and treatment to occupational hazard by cooperating with related departments. On the construction

site, the company continued to increase fund investment, improve staff's working conditions, constantly improved the site dustproof, noise reduction and safety facilities, enhanced the inspection and treatment of all hazardous gas, dust, noise in the workshop, provided the personnel with working protection facilities and personal protecting materials that meet the safety and sanitation standards, maximally minimized the occupational hazards, and actively created the safe, clean, comfortable and harmonious working environment for the staff.

Information 1: CREC No.2 insisted on carrying out EAP staff help plan, and enhanced humanistic care and psychological counseling. On August 20, 2015, the New Project Department in Beijing from the 4th company of No.2 Bureau initiated the second mental health day by making "releasing pressure for beautiful life" as the theme to provide the grass-root staff with a platform to learn about psychological knowledge, deepen self-understanding and pay attention to mental health.

Information 2: According to the requirement of annual occupational health goal, CREC No.6 intensified management by a number of measures. It actively provided the personnel with working protection facilities and personal protecting materials that meet the safety and sanitation standards. The detection and treatment of all hazardous gas, dust, noise in the workshop was up to national and industrial health standard without any occupational disease case.



员工体检



 完善创新体系
Improvement of Innovation System

 引领产业进步
Leading Industrial Progress

 强化创新驱动
Strengthening Innovation Drive



完善创新体系

公司根据建筑行业特点和企业自身发展需要，以技术创新体系升级版工程建设为契机，对已有的科技资源进行统筹规划、优化整合，建立以市场为导向、以企业为主体、以项目为载体、以国家级实验室为依托、以技术中心为平台、以专业研发中心为骨干，联合搞攻关、开放搞科研的具有中国中铁特色的“两级四层”技术创新体系，实现以中国中铁技术中心为龙头、各成员企业技术中心为主体、各专业研发中心为骨干的纵向有层次、横向有分工的技术创新的运作管理模式，为公司科技创新打下坚实基础。

2015年，公司认真贯彻落实中央关于深化创新体制改革精神，承担了国务院国资委中央科技创新管理专项工作计划中的“中央建筑工程企业创新模式研究”课题，是中央建筑企业中唯一承担中央科技创新管理专项工作计划课题的单位。目前已签订了研究课题任务书和委托书，编写了研究大纲和调研计划，召开了课题开题专家评审会，研究工作正有序开展。统筹规划，突出创新，制定了股份公司“十三五”科技发展规划，指导公司科技发展，推动企业结构调整、转型升级。

Improvement of Innovation System

According to the characteristics of construction industry and demand for self-development, the company took the upgraded project construction of technical innovation system as its opportunity to carry out overall planning and optimization and integration to existing scientific resources and set up "two grades and four layers" technical innovation system with Chinese characteristics with market as orientation, corporate as main body, project as carrier, national laboratory as basis, technical center as platform and professional R&D center as backbone through joint tackling and open scientific research so as to achieve technically innovative operation management mode with layers in longitudinal direction and divisions in transverse direction by taking CREC technical center as the leading, all member enterprises' technical centers as main body and all professional R&D centers as backbone, laying a solid foundation for scientific innovation.

In 2015, the company seriously implemented the central government's reform spirit in deepening innovation system, undertook the project of "Study of Innovation Mode of Central Construction Engineering Corporation" listed in the special work plan for SASAC central scientific innovation management. It became the only corporate in central construction corporates that undertook the special work plan project for central scientific innovation management. At present, the company has signed study project assignment book and engagement letter. It prepared study outline and investigation plan, and convened expert appraisal meeting on project initiation. Now, the study work is being carried out orderly. CREC made overall planning and highlighted innovation. Moreover, it has made stock company's "13th Five-Year Plan" for science and technology development to guide the company's scientific development and promote corporate structure adjustment and transformation and upgrading.



科技创新奖项

引领产业进步

作为中国和世界建筑业发展的重要参与者推动者，多年来中国中铁不仅追求自我的发展，还担当着引领行业发展的重要责任，努力实现与产业协同共进，主要表现在扩大产业规模、带动行业自律、引领科技创新、与合作者共赢的诸多方面。

作为科技部、国务院国资委和中华全国总工会授予的全国首批“创新型企业”，公司拥有“高速铁路建造技术国家工程实验室”、“盾构及掘进技术国家重点实验室”和“桥梁结构健康与安全国家重点实验室”三个国家实验室及7个博士后工作站。拥有11个国家认定的企业技术中心和36个省部认定的企业技术中心，并先后组建了桥梁、隧道、电气化、先进工程材料及检测技术、轨道和施工装备6个专业研发中心和1个BIM技术应用研发中心。

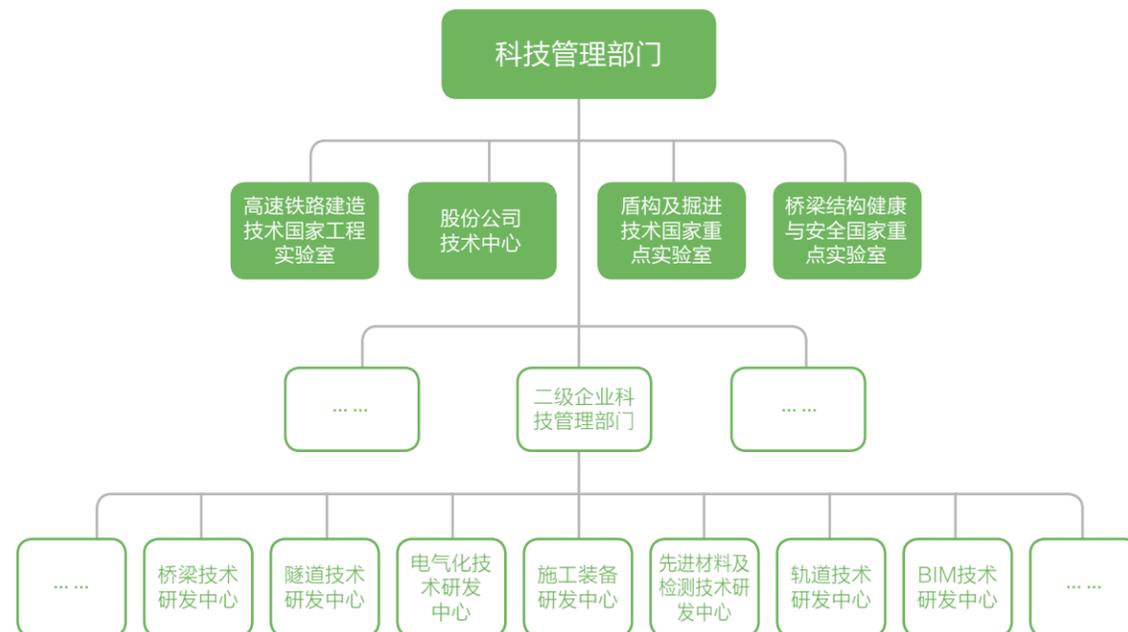
资料1：截止“十二五”末，公司共荣获国家科技进步奖和发明奖103项，其中特等奖5项，一等奖14项，稳居国内建筑企业榜首；获省部级科技进步奖2379项。2015年，公司获国家科技进步奖2项，其中承建的京沪高铁荣获特等奖；获省部级科技进步奖245项。

资料2：截止“十二五”末，公司累计获得全国优秀工程勘察设计奖91项，全国优秀工程咨询成果奖78项，省部级勘察设计奖1102项，省部级咨询成果奖158项。

资料3：目前，公司拥有有效专利4956项，其中发明专利1292项。

资料4：2015年，公司获得全国优秀工程咨询成果奖8项，省部级勘察设计奖76项，省级咨询成果奖6项；通过省部级科技成果鉴定（评审）58项；获国家级工法21项，省部级工法270项；参与国标编制23项，发布实施3项；行业标准65项，发布实施4项；铁总企业标准41项，发布实施17项。

“两级四层”技术创新体系



Leading Industrial Progress

As the main participator and promoter of the development of Chinese and world architecture, CREC has not only been in pursuit of self-development for many years, but also taken the leading of industrial progress as its important responsibility, which mainly manifested in expanding the industrial scale, driving the industrial self-discipline, leading technical innovation, win-win cooperation with partners and so on.

As the first batch of national "innovative corporate" granted by Ministry of Science and Technology, SASAC and ACFTU (All China Federation of Trade Unions), the company owns 3 national laboratories, "national engineering laboratory for express railway construction technology", "national key laboratory for shielding and tunneling technology" and "national key laboratory for bridge structure health and safety" as well as 7 postdoctoral centers. The company owns 11 nationally certificated technical centers and 36 provincially certificated technical centers, has successively set up 6 professional R&D centers for bridge, tunnel, electrification, advanced engineering materials and measurement technique, rail and construction equipments and 1 BIM technical application R&D center.

Information 1: By the end of the "Twelfth Five Year Plan", the company has been totally awarded 103 national prizes for progress in science and technology and invention award, including 5 special prizes and

14 first prizes, and 2379 provincial and ministerial prizes for science and technology progress. In 2015, the company has won 2 national prizes for science and technology progress, including 1 special prize; 245 provincial prizes for science and technology progress

Information 2: By the end of the "Twelfth Five Year Plan", the company totally won 91 national prizes for excellent project survey and design, 78 national prizes for excellent project consultation achievements, 1102 provincial and ministerial prizes for excellent project survey and design, and 158 provincial and ministerial prizes for excellent project consultation achievements.

Information 3: The company owns 4956 valid patents including 1292 patents for invention.

Information 4: In 2015, the company totally won 8 national prizes for excellent project consultation achievements, 76 provincial and ministerial prizes for excellent project survey and design, and 6 provincial prizes for excellent project consultation achievements. and 58 achievements passed provincial appraisal of scientific and technical achievements. It gained 21 national engineering methods and 270 provincial and ministerial engineering methods; it finished compilation of 23 Chinese standards with 3 ones published and implemented; 65 industrial standards with 4 ones published and implemented; 41 China Railway Corporation standards, with 17 one published and implemented.



授权专利



中国中铁制造的世界最大矩形盾构下线

强化创新驱动

2015年，公司认真贯彻落实国家关于“自主创新，重点跨越，支撑发展，引领未来”的科技工作指导方针，认真实施公司“十二五”科技发展规划，采取有力措施，完善企业创新制度，加速培养企业创新团队，增强企业自主创新能力，实施企业知识产权战略，取得了一大批拥有自主知识产权、国际先进、国内领先的科技成果，有力地提升了企业核心竞争力。

公司2015年度科技开发计划的科研课题共1520项，其中股份公司直接管理的课题有217项，包括重大课题22项，重点课题93项，引导课题102项；列入股份公司科技开发计划由各单位管理的课题有1303项。2015年度股份公司科技开发计划课题以沪通长江大桥、杨泗港长江大桥、五峰山公铁大桥、孟加拉帕德玛大桥、重庆101大厦、成兰铁路杨家坪隧道、重庆地铁五号线等重点工程为依托，重点研究解决千米级公铁两用悬索桥建造技术、盾构施工远程信息化管理关键技术、大直径双模式盾构关键技术、隧道机械化快速施工、超高层建筑核心筒智能顶模系统等关键技术。

资料1：2015年，全公司提交专利申请1020项，其中发明专利408项；授权专利1039项，其中发明专利336项。

资料2：2015年，中铁一局集团有限公司等7家单位获中国施工企业管理协会科技创新先进企业；中铁二院工程集团有限责任公司高扬等19人获中国施工企业管理协会科技创新先进个人。



重点实验室国际合作项目验收

Strengthening Innovation Drive

In 2015, CREC carefully implemented the national guidance for scientific and technical works of "independent innovation, key spanning, supportable development and leading the future", carefully implemented the company's "12th Five-Year Plan" for science and technology development. It took powerful measures, improved corporate innovation system, speeded up the cultivation of corporate innovation team, intensified the corporate independent innovative capability, implemented corporate intellectual property strategy, achieved a number of internationally advanced and domestically leading scientific and technical results with independent intellectual property, and vigorously enhanced the corporate core competitiveness.

In 2015, the company implemented 1520 new scientific research projects listed in annual scientific development plan, of which, 217 ones were the projects under direct management of the stock company, including 22 major projects, 93 key projects, and 102 leading projects; there were 1303 projects were listed in stock company's scientific development plan and were managed by all units. In 2015, depending on key projects such as Shanghai-Nantong Yangtze River Bridge, Yangsi Port Yangtze River Bridge, Wufengshan Yangtze River Bridge, Bangladesh Padma Bridge, Chongqing No.101 Building, Yangjiaping Tunnel of Chengdu-Lanzhou Railway, and Chongqing Subway Line 5, CREC tackled construction technology problems of building thousand-meter scale highway and railway dual-purpose suspension bridge, and studied several key technologies for remote information management of shield tunneling, large-diameter dual-mode shield tunneling, rapid and mechanized tunnel construction and core tube intelligent top framework system of super high-rise building.

Information 1: In 2015, the whole company submitted 1020 patent applications including 408 invention patents; and authorized 1039 patents including 336 invention patents.

Information 2: In 2015, 7 units including CREC No.1 were awarded advanced enterprises for scientific innovation granted by China Association of Construction Enterprise Management; and 19 persons including Gao Yang from CREC No.2 Engineering Group Corporation were awarded advanced individual prizes for scientific innovation granted by China Association of Construction Enterprise Management.



-  推进节能减排
Promotion of Energy Saving and Emission Reduction
-  加强环境治理
Strengthening Environment Governance
-  保护生态环境
Protection of Ecological Environment



节能减排宣传会议

推进节能减排

2015年是股份公司“十二五”节能减排工作的收官之年，全公司积极开展节能减排工作，圆满完成“十二五”节能减排各项工作目标。

全公司节能减排无重大违规违纪事件，排放污染物均达到国家和所在地相应排放标准。全公司2015年万元营业收入综合能耗0.0610吨标煤，其中建筑企业可比价万元营业收入综合能耗为0.0654吨标煤，比去年同期下降2.4%，“十二五”期间累计下降16.2%，顺利完成国资委下达的2013-2015中央企业领导人员业绩考核节能减排约束性考核指标和公司“十二五”节能减排工作目标。

全面开展全国建筑业绿色施工示范工程和节能减排标准化工地建设工作。2015年度推荐19个工程项目参加全国建筑业绿色施工示范工程建设，2个项目获住建部颁发的“二星级绿色建筑设计标识证书”，48个项目获得中国中铁股份有限公司节能减排标准化工地称号。

公司制定了《重点节能低碳技术评选推广管理暂行办法》，引导各单位采用先进适用的节能低碳技术、工艺、装备，加快节能低碳技术进步和推广普及，评选8项技术列入中国中铁重点节能低碳技术目录（首批），并在公司内大力推广应用。

案例1：中铁三局神朔、朔黄铁路联合运输项目充分分析运输项目能耗大、运行周期长的特点，对内燃机进行有效改造，运输能耗逐年大幅下降。

案例2：中铁电气化局南昌地铁电气化设备配套工程认真研究项目施工特点，对隧道洒水车辆进行全面改造，研究出新型隧道水冲洗车，增加冲洗效率，有效节约水资源。

案例3：中铁·西安中心项目在节地与室外环境、节能与能源利用、节水与水资源利用、节材与材料资源利用、室内环境质量、运营管理等方面设计中均达到绿色建筑二星级评价标识要求。



Promotion of Energy Saving and Emission Reduction

The year 2015 was the final year of "12th Five-Year Plan" for energy saving and emission reduction, and the whole company actively carried out this work and successfully achieved all objectives in "12th Five-Year Plan" for energy saving and emission reduction.

There was no major illegal event on energy saving and emission reduction; and the pollutant discharge reached both relevant national and local discharge standards. In 2015, the comprehensive energy consumption per ten-thousand business income was 0.0610t standard coal, of which, the comprehensive energy consumption per ten-thousand business income (comparable price) of construction corporate was 0.0654t standard coal, which was reduced by 2.4% on year-on-year basis compared to the last year. During the period of "12th Five-Year Plan", the comprehensive energy consumption was reduced by 16.2% accumulatively, and the company successfully completed the bounded assessment index of energy saving and emission reduction for central corporate leaders' performance assessment in 2013-2015 and the work objectives of energy saving and emission reduction in "12th Five-Year Plan" period.

CREC carried out overall national green construction demonstration project and standardized field construction for energy saving and emission reduction. In 2015, the company recommended 19 engineering projects to take part in the national green construction demonstration project, 2 of which won the "two-star GBDL certificate" issued by Ministry of Housing and Urban-Rural Development, and 48 engineering projects won the title of CREC standardized construction site for energy saving and emission reduction.

The company formulated Interim Measures for Evaluation and Promotion Management to Key Energy Saving and Low Carbon Technologies, which could guide all units to adopt advanced and suitable energy saving and low carbon technologies, processes and equipment to speed up energy saving and low carbon technology progress and popularity. In addition, it selected 8 technologies to be listed into CREC directory of key energy saving and low carbon technologies (first batch), and greatly promoted them for application in the company.

Case 1: In the joint transportation project of Shenshuo Railway and Shuohuang Railway, CREC No.3 thoroughly analyzed the characteristics of huge energy consumption and long operation period, and performed effective transformation to the internal combustion engine. As a result, the transportation energy consumption was reduced greatly year by year.

Case 2: In Nanchang subway electrified equipment supporting project, CREC Electrification Bureau carefully studied the project construction characteristics, and performed overall transformation to tunnel water spraying vehicle. It developed a new type tunnel water spraying vehicle to increase washing efficiency and save water resource effectively.

Case 3: CREC-Xi'an Center Project met two-star GBDL requirement in the design of land saving and outdoor environment, energy saving and utilization, water saving and water resource utilization, material saving and material resource utilization, indoor environment quality and operation management, etc.



中铁置业贵阳阅山湖项目获得绿色建筑标识证书



承建亚洲最大的污水处理厂——上海市白龙港污水处理厂



高速铁路生态防护工程

加强环境治理

在环境治理方面，中国中铁把实现人与自然的和谐体现在每一项工程中，建立了自上而下、全面监控的绿色环保管理体系，积极做好生态环境的保护工作。公司各项目部坚持“建优质工程，创文明生态”原则，落实公司高标准的环境保护和水土保持措施，把“工程质量和环保水保双优”作为奋斗目标，努力实现优质工程与优美环境的高度和谐统一。各投资建设项目建设属地法规要求进行环境影响评价，履行环境审批程序，做好环境保护前置性审查。加强对主要污染物排放点的监控，在噪声治理、施工扬尘、污染物排放、取（弃）土方、弃渣运输、水体保护等方面采取有效措施，做到合规施工、绿色施工。

资料1：中铁山桥积极履行绿色环保的社会责任，2015年拆除了四台10蒸吨燃煤锅炉及附属设备，完成了原锅炉房燃煤锅炉的技术改造，对废水、废气、固废、噪声等进行合理有效的治理，大幅度减少了污染物排放。

资料2：中铁隧道集团三处怀邵衡铁路项目部从进场伊始就高度重视环境治理工作。在施工粉尘、隧道洞渣、洞水处理、防止水土流失等方面下足工夫。项目部配置了专用洒水车在乡村道路洒水降尘。采取边坡砌筑挡墙技术措施，对所有的冲沟采取永久性明渠排水，隧道洞口边坡全部植草绿化，隧道洞水全部经三级沉淀池沉淀后排放，真正实现了“青山不改，绿水长流”。

Strengthening Environment Governance

On environment governance, CREC embodied the harmony of man and nature into every project, established the top-to-bottom and all-around monitoring green environmental protection management system and actively implemented the ecological environment protection work. Each project department of the company insisted on the principle of "construction of high-quality project, creation of civilized ecology", implemented company's high standard environmental protection and soil conservation measures and regarded "project quality and double excellence of environmental protection and water conservation" as its goal to strive to achieve the high degree of harmony and unity between high-quality project and beautiful environment. For all investing construction projects, the company carried out environment influence evaluation as per local regulatory requirements, went through environmental approval procedures, and performed prepositive examination for environmental protection. The company strengthened monitoring to main pollute discharge points, and took effective measures in noise treatment, construction dust control, pollutant discharge management, soil taking (discarding) site, abandoned residue transport and water body protection in order for compliance construction and green construction.

Information 1: CRSBG (China Railway Shanhaiguan Bridge Group Co., Ltd.) actively fulfilled social responsibility for green environmental protection. In 2015, it dismantled four units of 10 steam-ton coal-fired boiler and accessory equipment, and completed technical transformation to coal-fire boilers in original boiler room to perform reasonable and effective treatment to waste water, waste gas, solid waste and noise to greatly reduce pollutant discharge.

Information 2: The Huaihua-Shaoyang-Hengyang Railway Project Department of CTG (China Railway Tunnel Group) attached high attention to environmental governance since it entered the construction site. It made great efforts in treatment of construction dust, tunnel slag, tunnel water and prevention of water and soil erosion. The Project Department allocated special water spraying vehicles to control dust on the village roads. In addition, it took the technical measures of slope masonry retaining wall and adopted permanent open channel discharge to all gullies. It planted grass at all side slopes of tunnel entrance, and all tunnel water was discharged through three-level sedimentation tank so as to really achieve "keeping green mountain unchanged with green water running forever".



“共筑北京绿色梦，我为首都添新绿”植树活动



中铁国际生态城



 抢险救灾
Disaster Relief

 扶贫助困
Assistance for the Poor

 社区服务
Community Service

保护生态环境

中国中铁始终致力于生态环境的保护工作，工程开工前，均组织专业人士认真进行生态环境保护方面的评估，制定切实有效的保护方案，特别是针对生态易受扰的作业施工场区，开展水土保持、生物多样性保护、植被保护等工作，做到生态环境与工程建设同步规划，同步实施。施工过程中增加生态保护的投入，使用环保设备、改进施工工艺和优化施工方案，减少对水、大气、植被和生物的影响。全年未发生生态环境事件。

公司积极参与国家重点环境保护实用技术和示范工程的评审、推广工作，其中，山区道路建设耕地生态保护技术、山区隧道施工弃渣“三化”处理技术、高速铁路轨板厂生产污水回用技术等获得国家重点环境保护实用技术。沪瑞国道（贵州境）镇胜高速公路高边坡路堑生态防护工程段、合肥铁路枢纽北城制梁场节水环保工程、天津市北塘污水处理厂工程等获得重点环境保护实用技术示范工程。

资料1：2015年，中铁五局路桥公司在西成客专项目建设了全国首个朱鹮防护措施试验段，对保护国家珍稀动物朱鹮及列车的运营安全起到重要作用。

资料2：中铁大桥局参与建设的合福高铁铜陵长江大桥跨越扬子鳄国家级自然保护区。在施工过程中，在每一个钻孔桩钢护筒内安装泥浆泵，将泥浆提升至大桥两端陆地临时工场处理，或用承接船运至岸边临时工场沉淀，保证泥浆出渣一滴也不排入长江。为此，项目部增加环保投入超过500万元，增加沉淀池、干化堆积场36个，处理的泥浆近47万吨。

Protection of Ecological Environment

CREC has always committed to the ecological environment protection. Before the project starting, CREC always organized professional personnel to evaluate the ecological environmental protection situations carefully, made practical and effective protection program, especially focusing on ecology in construction site that is liable to be disturbed, it developed works such as conservation of water and soil, biodiversity protection, vegetation protection etc. It planned and implemented the ecological environment management with the project construction synchronously. In the construction progress, CREC increased the investment in ecological protection, applied environmental protection equipment, improved ecological construction process and optimized construction program, thus reduced the impact on water, air, vegetation and organism. No ecological destruction event occurred throughout the year.

The company actively took part in the evaluation and promotion of national key practical technologies and demonstration projects of environmental protection, of which, such technologies as ecological protection technology for mountain road construction land, "3R" treatment technology for abandoned residue of tunnel construction in mountain area, and production wastewater recovery technology in high-speed rail board factory were rated as national key practical technologies for environmental protection. The projects such as high slope cutting ecological protection engineering section of Zhenning-Shengjingguan Expressway in Hurui national road (in Guizhou province), water saving and environmental protection project in north city fabricated beam plant of Hefei railway hub, and the project of Tianjin Beitang Sewage Treatment Plant were rated as key practical technology demonstration projects for environmental protection.

Information 1: In 2015, CREC No.5 Road and Bridge Engineering Company constructed the first national test section for crested ibis protection in Xicheng Railway Passenger Special Line project, playing an important role in protection of national rare animal crested ibis and train operation safety.

Information 2: CRBB (China Railway Bridge Bureau) took part in construction of Tongling Yangtze River Bridge of Hefei-Fuzhou high-speed rail which crosses over National Nature Reserve for Yangtze alligator. In the construction process, slurry pump is mounted in every steel protective barrel of drilled pile to be lifted up to the land temporary construction site at both ends of bridge for treatment, or to be shipped to the bank temporary construction site for sedimentation to ensure the slurry residues would not be discharged to Yangtze River. For this purpose, the project department increased the investment of over RMB 5 million Yuan in environmental protection, and increased 36 sedimentation tanks and drying dumps, which could treat nearly 470,000t of slurry.



抢险救灾

多年来，中国中铁在一系列重大自然灾害面前挺身而出，勇挑重担，积极投身抢险救灾；积极践行央企责任，受到各级政府和社会各界好评。

2015年，全公司积极参与各地各类抢险救灾近300次，投入抢险救灾人员近2万人次、设备3500多台套、投入资金近5000万元。中国中铁目前有三支国家隧道专业救援队，多次参与国家重大抢险救灾工作，成为国家抢险救援的重要专业力量。其中，中铁二局昆明救援队不断加强体系建设，编制完善了《隧道坍塌应急救援作业指导手册》和《队员训练科目及考核标准》，并受国家安全生产监管总局应急救援中心委托，编制完成了《隧道塌方应急救援基地验收暂行办法》。

资料1：2015年12月20日深圳山体滑坡灾害发生后，中国中铁所属中铁一局、二局、三局、隧道集团、港航局、建设投资集团、中铁二院等多家单位积极行动，立即组建救援队5支，投入抢险队员1000余人，大型机械设备140多台套，以及木板、方木、帐篷、棉被、雨具、矿泉水等大量救援物资，全力抢通东口和西口的生命交通线，挖掘、清理、外运破损建筑混凝土、楼板和滑坡土方数百万方。

资料2：2015年，天津港“8·12”爆炸事故发生后，中国中铁所属中铁一局、五局、六局、七局、电化局、建工集团等单位及时投入大量人力、物力，积极参与救灾工作。出色完成了打通救援通道、整平和硬化地面、抢救运送伤员、清运现场损毁汽车和集装箱、拆除损毁建筑物等救援任务。



天津港“8·12”爆炸事故抢险救援



深圳“12·20”山体滑坡灾害抢险救援

Disaster Relief

For many years, CREC has come out boldly and dared to challenge when facing series of serious natural disasters, and it actively took part in the rescue works; it actively fulfilled the responsibility of central enterprise, and has been highly praised by both the government and public.

In 2015, the whole company actively took part in various rescue and relief works in all places for nearly 300 times, with nearly 20,000 person-time of rescue and relief personnel, more than 3500 sets of equipment and nearly RMB 50 million Yuan of investment. At present, CREC has three national professional tunnel rescue teams, which have participated in national major rescue and relief work for many times, having become the important professional forces in national rescue work. Of which, Kunming rescue team of CREC No.2 constantly strengthened system building, and compiled and perfected Instruction Manual of Emergency Rescue Operation in Tunnel Collapse and Team Member Training Subjects and Assessment Standard. In addition, entrusted by Emergency Rescue Center of State Administration of Work Safety, it compiled Interim Measures on Acceptance of Emergency Rescue Base of Tunnel Collapse.

Information 1: On December 20, 2015, when landslide disaster in Shenzhen happened, CREC No.1, No.2, No.3, China Railway Tunnel Group, Port and Channel Engineering Group Co., Ltd., Construction Investment Group, China Railway Eryuan Engineering Group Co., Ltd and other units took active action. They immediately established 5 rescue teams and dispatched more than 1000 persons to join the rescue teams. Moreover, they had over 140 sets of large-scale mechanical equipment and large amounts of rescue materials including plank, lumps of wood, tent, quilt, rain gear and mineral water. They spared no effort for emergency rehabilitation of life line of east entrance and west entrance, and excavated, cleared and transported millions of cubic meters of damaged building concrete, floor slab and landslide earthwork.

Information 2: In 2015, when "8-12" explosion accident in Tianjin Port occurred, CREC No.1, No.5, No.7, China Railway Electrification Bureau, and Construction Engineering Group immediately invested large numbers of manpower and material resources to actively participate in rescue work. They successfully completed rescue tasks such as opening rescue channel, leveling and hardening ground surface, rescuing and carrying the wounded people, clearing damaged automobiles and containers on site and dismantling damaged buildings, etc.



深圳中国中铁义工联合会成立揭牌授旗仪式



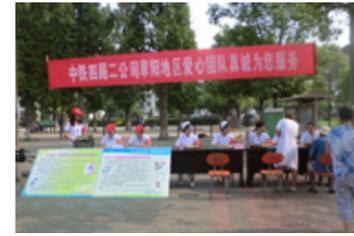
为村民举办生态养鸡技术培训班



“中铁人公益团队”爱心传递黔山苗乡



2015年中铁山桥集团医院社区义诊活动



爱心团队进小区



中铁八局六公司“阳光慈善超市”

扶贫助困

Assistance for the Poor

社区服务

Community Service

2015年，根据国务院扶贫办有关安排，公司继续选派3名副处级干部分别到湖南汝城、桂东和山西保德等三个国家级贫困县挂职，全年一共投入300万元用于改善当地学习教育和生活条件，还从总部机关选派1名优秀年轻干部到湖南汝城县朱家村挂职第一书记，协助销售农产品5000余斤，申请到国家“母亲水窖”项目，中国中铁拨付专项扶贫资金30万元，派出专业队伍为该村进行饮水工程改造，捐赠了一批电脑、音响等设备，改善当地学校和村民的学习文化生活。

资料1：2015年，公司针对保德县教育基础设施比较好的实际情况，除了继续资助“中国中铁自强班”高中生完成学业外，把大部分资金用于支援袁家里养羊项目，在产业扶贫方面迈出了新的步伐。此外，保德县与中国中铁合作办学正式启动，第一批20名学生已到中铁郑州技术学院学习，为下一步就业创造了新的条件。

资料2：2015年，中铁五局选派两名干部分别进驻黔东南丹寨县龙泉镇羊甲村和交圭村开展精准扶贫，积极向地方主管部门争取扶贫资金近10万元，对两个村的4800米饮水管网和灌溉水渠、1320米道路、120户电路进行改造完善；先后4次参与所驻村贫困户、低保户和五保户的评定与审核，动员260余人参加了农村养老保险和房屋财产保险，指导村民开展稻田养鱼和泥鳅84亩。

资料3：中铁科研院西北院与甘肃省榆中县韦营乡孙家岔村结成帮扶对子，开展“精准扶贫”。先后选定39名领导干部与贫困村民建立了“一对一”的帮扶关系。投入32万元，扶持村民发展生态散养鸡项目，帮助村民实现增收240万元。帮助村民提高“双垄沟”地膜玉米、无公害马铃薯、胡麻等经济作物的种植能力，帮助村民的农产品打开销路，扩大农民增收渠道，使孙家岔村成为首批脱贫村。

In 2015, according to planning of Poverty Relief Office of the State Council, the company continued to select three cadres at deputy section level and dispatched them to take a temporary post in three national poverty counties, Rucheng and Guidong in Hunan Province, and Baode County in Shanxi Province. In the whole year, the company invested RMB 3 million Yuan accumulatively to improve local education and living conditions. In addition, it selected and dispatched one excellent young cadre to take a temporary post of Major Secretary in Zhujiacun Village of Rucheng, Hunan Province to assist sale of more than 2500kg of agricultural product, and applied for national "Mother Reservoir" project. CREC made a payment of RMB300,000 Yuan for special poverty alleviation funds. It dispatched professional teams to the village for drinking water project transformation, and donated computers and audio devices to improve the conditions of local school and villagers' study and culture life.

Information 1: In 2015, aiming at good educational infrastructure in Baode County, in addition to continuously subsidizing high school students in "CREC Self-Strongness Class" to complete their studies, the company used the most of funds to support sheep breeding project in Yuanjiali Village, taking a new step in poverty alleviation through industrialization. In addition, cooperative education between Baode County and CREC was officially launched, and the first batch of 20 students has come to CREC Zhengzhou Institute of Technology for study, which created new conditions for employment in the next step.

Information 2: In 2015, CREC No.5 selected and dispatched two cadres to respectively go to Yangjiacun Village and Jiaoguicun Village of Longquan Town of Danzhai County in the southeast of Guizhou Province for targeted poverty alleviation. They actively applied for nearly RMB100,000 Yuan of poverty alleviation funds from the local competent departments to transform and improve 4800 meters of drinking water pipe network and irrigation canal, 1320 meters of road and electrical network of 120 households; they took part in evaluation and examination of poverty-stricken family, low-income family and five guarantees family in the villages they stayed for four times, mobilized more than 260 people to join rural endowment insurance and house property insurance, and guided villagers to carry out rice fish and loach culture for 84 mu.

Information 3: The northwest branch of China Railway Science Research Institute was twinned with Sunjiacha Village of Weiyang Town of Yuzhong County in Gansu Province for anti-poverty to carry out "targeted poverty alleviation". It has selected 39 leading cadres to set up "one-to-one" help relationship with poor villagers. Moreover, it invested RMB 320,000 Yuan to assist the villagers to develop ecological free-range chicken project to help them achieve increased income of RMB 2.4 million Yuan. In addition, it helped the villagers to improve cultivation capacity of industrial crops such as "double furrow" mulch corn and pollution-free potato and flax so as to help the villagers open up the market of agricultural products and expand the channels for farmers' income increase to make Sunjiacha Village become the first batch of anti-poverty village.

中国中铁长期以来坚持地企文明、和谐共建的工作思路，广泛开展拥军优属，支持军警建设，志愿服务敬老院、医院、街道、社区、学校等地方单位，以实际行动履行企业公民责任。

2015年，全公司共组建了950多支志愿服务队，投入志愿服务2.6万多人次，开展各类志愿服务活动2000多次，大力弘扬社会道德风尚，积极构建和谐社会。

2015年，全公司捐资助学750多万元，帮扶学生近8000人，支持教育机构资金3000余万元；其他公益慈善事业投入超过9000万元。

资料1：中铁隧道集团在2010年全额捐建重庆市潼南县高桥希望小学之后，连续5年对该学校进行志愿服务，形成了长期帮扶机制。

资料2：中铁八局自2013年成立“云南物业爱心工作站”以来，已为700余户病困、残疾、孤寡等困难住户送去了温暖，并于2015年8月，联合地方政府和社区建设了全国首家“4+1阳光慈善超市”，从部分高端小区募捐到的生活物资，通过收取象征性费用后，为低收入群众送去了便利。

资料3：中铁置业在“陕西回归儿童救助中心”建立“爱心基地”，长期开展志愿者活动，通过物质资助、组织集体生日会、指导学习等方式关心他们的学习成长与身心健康，并帮助他们圆了“看看北京天安门”的梦想，让孩子们感受家人般的温暖。

CREC always insisted on the work ideas of local corporate civilization and harmonious construction, widely supported the army and gave preferential treatment to the families of the armyman and martyrs, supported military police construction, offered volunteer services to gerocomium, hospital, street office, community, school and other local institutions, implementing its corporate citizenship responsibility by its actual deeds.

In 2015, the whole company totally set up more than 950 volunteer service teams which offered volunteer services for 26,000 person-times, and carried out various volunteer service activities for over 2000 times. It vigorously carried forward the social morality, and actively built a harmonious society.

In 2015, the whole company donated the fund of RMB 7.5 million Yuan for education, helped nearly 8000 students, and supported educational institutions with more than RMB 30 million Yuan; it invested over RMB 90 million Yuan to other public welfare undertaking.

Information 1: After fully endowing Gaoqiao Hope Primary School of Tongnan County of Chongqing in 2010, China Railway Tunnel Group offered volunteer services to the school for 5 successive years, and formed a long-term assistance system.

Information 2: Since CREC No.8 set up "Yunnan Property Love Work Station" in 2013, it has delivered warmth to more than 700 households that suffered from diseases, or with disabled and orphans and widows. In addition, in August 2015, it cooperated with the local government and community to build up the first "4+1 Sunshine Charity Supermarket" in China to give convenience to the low-income masses by nominal fee to buy the living materials donated by some high-end communities.

Information 3: CREC Real Estate set up "Love Base" in "Shaanxi Return Children Help Center" to carry out long-term volunteer activity. Through material support, organization of collective birthday party and study guidance, it cared about their study and growth as well as physical and psychological health. In addition, it helped the children achieve the dream of "Looking at Beijing Tiananmen" to let them feel the warmth of family.



-  加强战略合作
Strengthening Strategic Cooperation
-  推进产业合作
Promotion of Industrial Cooperation
-  实施项目合作
Construction Project Cooperation



中国中铁与西藏自治区签署战略合作协议



中国中铁与马来西亚依海控股合作开展海外并购

加强战略合作

中国中铁十分重视与国内外各类组织和大型企业的战略合作。公司与各级政府、高校、社会组织、金融机构、相关企业在人才培养、资金管理、施工生产、材料供应、文化构建、科技创新、战略发展等方面，建立了广泛的战略联盟和密切的合作关系，促进了多方优势互补，实现了资源共享与协同发展。

2015年，公司充分利用在资金、技术、管理及人才等方面的优势，与河北省、陕西省、云南省、海南省、重庆市、广州市、乌鲁木齐市、成都市、长沙市、大连市、济宁市、铜陵市、吕梁市、贵州双龙航空港经济区等地方政府广泛开展战略合作。

Strengthening Strategic Cooperation

CREC attached great attention to the strategic cooperation with domestic and abroad organizations and large-scale corporates. The company has set up a broad strategic alliance and close cooperative relationship in talent cultivation, capital management, construction and production, material supply, culture construction, scientific innovation and strategic development, promoting all-round complementary advantages to achieve resource sharing and collaborative development.

In 2015, the company made full use of advantages in capital, technology, management and talent to carry out broad strategic cooperations with local governments including Hebei Province, Shaanxi Province, Yunnan Province, Hainan Province, Chongqing Municipality, Guangzhou City, Urumchi City, Chengdu City, Changsha City, Dalian City, Jining City, Tongling City, Lvliang City and Guizhou Ssangyong Airport Economic Zone.



推进产业合作

2015年，公司积极推进在高速铁路、基础设施建设、金融服务、建筑材料等领域的产业合作。在高速铁路建设领域，公司充分发挥中国高速铁路发展领军企业的优势，与中国铁路总公司等国内企业合作，共同推进“中国高铁走出去”，带领中国铁路产业铸就“中国高铁”的金色品牌。在基建领域，与湖北省交通投资集团、北京金隅集团、碧桂园集团等大型企业开展战略合作，积极参与国内基础设施投资建设。在金融服务领域，与中国银行、中国建设银行、光大证券等金融机构积极开展合作，创新投融资模式，建立完整的业务链条。在供应商合作方面，与中石油、河北钢铁、陕西钢铁、京东等企业展开战略合作，不断加强集中采购管理，降低采购成本。

资料1：2015年，中国中铁通过与中石油的战略合作，将系统内石化产品的需求优势与中石油的资源优势有机结合，在596个项目实现石化产品集采专供，完成供应37.6万吨，降低成本约1.5亿元。

资料2：2015年5月，公司与京东达成办公用品战略合作协议，京东入驻中国中铁采购电子商务平台鲁班商城，以专属优惠价格向公司提供各类办公用品，实现了办公用品在线集中采购管理，全年完成新签订单4152个。



中国中铁鲁班网携手京东商城

Promotion of Industrial Cooperation

In 2015, the company actively pushed forward industrial cooperations in high-speed rail, infrastructure construction, financial service and building materials. In high-speed rail construction field, the company gave full play to its advantage of being a leading corporate in China high-speed rail development, cooperated with China Railway Corporation and other domestic corporates to jointly promote "China high-speed rail going out", and led China railway industry build up a golden brand of "China High-Speed Rail". In infrastructure construction field, the company carried out strategic cooperation with large-scale corporates such as Hubei Communications Investment Group, Beijing Building Materials Group and Country Garden Holdings to actively take part in domestic infrastructure investment and construction. In financial service field, the company actively carried out cooperations with Bank of China, China Construction Bank and Everbright Securities to innovate investment and financing mode and set up complete business chains. In supplier cooperation, the company carried out strategic cooperations with China National Petroleum Corporation, Hebei Iron and Steel, Shaanxi Iron and Steel and JD.com to constantly intensify the centralized procurement management and reduce procurement cost.

Information 1: In 2015, through the strategic cooperation with China National Petroleum Corporation, CREC effectively combined the advantages of demand for petrochemical products in the system with the resource advantage of China National Petroleum Corporation to achieve centralized procurement and supply of petrochemical products in 596 projects. It supplied 376,000 tons of petrochemical products and reduced cost of about RMB 150 million Yuan.

Information 2: In May 2015, the company reached strategic cooperation agreement with JD.com on office supplies. JD.com entered Luban.com on CREC procurement e-business platform to supply the company with various office supplies in specially preferential price and achieved on-line centralized procurement management to office supplies. It completed 4152 newly-signed orders in the year.



中俄高铁项目合作洽谈

实施项目合作

2015年，中国中铁与国内外多家企业实施项目合作，分别与俄罗斯铁路公司、以色列Solel Boneh公司、匈牙利铁路公司、马来西亚依海控股公司、中国铁路总公司等联合实施了莫斯科—喀山高铁、以色列特拉维夫轻轨、匈塞铁路等重点项目。

资料1：2015年5月，在中国铁路总公司牵头下，中国中铁二院与俄罗斯铁路公司组成的联合体中标俄罗斯莫喀高铁项目设计合同。该项目成为中国高铁“走出去”第一单。

资料2：中匈两国政府于2015年11月24日签署了《关于匈塞铁路项目匈牙利段开发、建设和融资合作的协议》。协议规定，中国铁路总公司、中国中铁以及匈牙利铁路公司将在匈牙利组建非盈利合资企业，作为项目总承包商负责匈塞铁路项目匈牙利段的总包管理。

Construction Project Cooperation

In 2015, CREC conducted project cooperations with many domestic and abroad corporates. It cooperated with Russian Railways, Israeli Solel Boneh Company, Hungarian Railway Company, Malaysia IWH and China Railway Corporation to implement several major projects including Moscow-Kazan high-speed rail, Israeli Tel Aviv light rail and Hungary-Serbia Railway, etc.

Information 1: In May 2015, under the leadership of China Railway Corporation, the consortia incorporated by China Railway Eryuan Engineering Group Co., Ltd and Russian Railways won the bidding of design contract for Russian Moscow-Kazan high-speed rail. This project became the first contract project of CREC for "going out".

Information 2: In 2015, the consortia incorporated by CREC and other Chinese corporates and Hungarian corporates won the bidding of Hungary-Serbia Railway of hundreds of billion yuan, which marked China railway successfully entered the EU market.

海外责任 Overseas Responsibility



全球发展
Global Development



全球服务
Global Service



全球公益
Global Public Welfare



白俄罗斯别列佐夫发电厂



昆曼公路湄公河大桥



全球发展

2015年，中国中铁实现海外营业收入301.46亿元。

2015年，公司在全球68个国家和地区开展境外工程项目设计、施工和产品加工出口业务。目前，有境外在建工程项目405个，涉及铁路、公路、桥梁、隧道、房屋建筑、城市轨道交通、市政工程、农田水利、港口建设等领域；分布于南美、东欧、非洲、南太平洋、东南亚、中东等地区；公司高锰钢道岔及钢结构、盾构设备等加工产品远销美国、韩国、丹麦、新西兰、香港、莫桑比克、孟加拉、澳大利亚、越南、印度尼西亚、泰国、埃塞俄比亚、尼日利亚、马来西亚、塞拉利昂、印度、坦桑尼亚、土耳其、老挝等19个国家和地区。

另外，公司在境外还投资兴办了马里纺织厂、科特迪瓦制药公司，在南非、坦桑尼亚、巴布亚新几内亚等国家进行了房地产开发，在刚果金等非洲地区还开展了以矿产资源交换基础设施工程等业务。

Global Development

In 2015, CREC achieved overseas business income of RMB 30.15 billion Yuan.

In 2015, the company carried out abroad engineering project design, construction and product processing and export businesses in 68 global countries and areas. At present, it has 405 abroad engineering projects under construction, involving railway, highway, bridge, tunnel, housing construction, urban rail, municipal project, farmland and irrigation and water conservancy as well as port construction; its projects were distributed in South America, Eastern Europe, Africa, South Pacific, Southeast Asia, and Middle East; its processed products of high manganese steel rail turnout and steel structure were sold to 19 countries and areas including the U.S, South Korea, Denmark, New Zealand, Hong Kong, Mozambique, Bangladesh, Australia, Vietnam, Indonesia, Thailand, Ethiopia, Nigeria, Malaysia, Sierra Leone, India, Tanzania, Turkey and Laos, etc.

In addition, the company invested and established Mali Textile Mills and Cote d'Ivoire Pharmaceutical Company in the outside, and carried out real estate development in South Africa, Tanzania and Papua New Guinea. It conducted infrastructure project based on mineral resources exchanges in Congo-Kinshasa and other African areas.

全球服务

长期以来，中国中铁坚持“奉献精品工程，造福东道国家”理念，在先后完成的一大批如阿联酋棕榈岛填海工程、孟加拉帕克西大桥工程、马来西亚沙巴洲铁路改造工程、尼日利亚铁路改建、南非水坝工程、援加纳公路改扩建工程、安哥拉罗安达省医院工程、摩洛哥高速公路等重大国际工程项目和目前在建的马来西亚吉隆坡MRT、埃塞亚的斯亚贝巴-吉布提铁路为代表的200多个较大境外工程项目，均充分展现了中国中铁对境外工程项目所在国家社会责任的高度重视。2015年，中国中铁在境外实施对外承包工程中，不仅为当地奉献了一批精品工程和利民工程，提高了当地交通运输能力、改善民众生活条件、加速了东道国与周边国家的经贸往来，促进了当地经济繁荣和发展，还积极为当地提供就业岗位。全年公司海外项目雇佣的当地工人达到4.4万人。

资料1：2015年，中国中铁参与的中老铁路、中泰铁路、印尼高铁、美国西部快线、俄罗斯莫斯科-喀山高铁等一批重大海外项目取得重要突破。

资料2：2015年9月20日，由中国中铁承建、全部采用中国技术标准设计施工、使用中国设备、通过中方联营体运营管理的埃塞首都亚的斯亚贝巴轻轨项目正式开通运营，中国中铁将为埃方继续提供运营维护管理服务。

资料3：中国中铁参与的印尼雅万高铁全面采用中国技术标准和装备，是中国高速铁路从技术标准、勘察设计、工程施工、装备制造、物资供应，到运营管理、人才培训、沿线综合开发等全方位整体“走出去”的第一单。



印尼雅万高铁开工仪式

Global Service

For a long time, CREC insisted on the idea of "offering high-quality project and benefiting host country", and carried out more than 200 large overseas engineering projects represented by major international engineering projects including UAE Palm Island reclamation project, Bangladesh Paksey Bridge project, Malaysia SABAH railway transformation project, Nigeria railway reconstruction project, South African dam project, assisted Ghana highway reconstruction and extension project, Angola Luanda Province hospital project and Morocco expressway, and Malaysia Kuala Lumpur MRT, Ethiopia Addis Ababa-Djibouti railway under the construction. All these projects showed high attention of CREC to social responsibility to the countries of its overseas engineering projects. In 2015, during the implementation of overseas contract projects, CREC not only contributed a number of high-quality projects and beneficial projects but also improved the local transportation capacity, improved the public living conditions, speeded up economic and trade exchanges between the host country and surrounding countries, promoted the local economic prosperity and development, and actively offered employment opportunities for the local people. In the full year, the company employed 44,000 local workers for its overseas projects.

Information 1: In 2015, CREC gained important breakthrough for a batch of major overseas projects including China-Russian high-speed rail, China-Lao railway, China-Thailand railway, Indonesia high-speed rail, American western fast line, South America Pacific-Atlantic Railway, etc.

Information 2: On September 20, 2015, Addis Ababa light rail project in the capital of Ethiopia undertaken by CREC, designed and constructed in accordance with Chinese technical standards by using Chinese equipment and operated and managed by Chinese joint venture was officially put into operation, and CREC will continue to provide operation and maintenance management services for Ethiopia party.

Information 3: Indonesia Jakarta-Bandung high-speed rail participated by CREC was adopted with Chinese technical standards and equipment, and it was the first contract project of Chinese high-speed rail "going out" from technical standard, survey and design, project construction, equipment manufacturing, material supply to operation management, talent training and comprehensive development along the line.

全球公益

多年来，中国中铁一直积极参与国际公益事业，通过捐款、捐物、捐资助学等形式，为改善工程项目东道国的人民生活水平提供物质帮助；通过义务修建道路、桥梁等基础设施和居民饮水、排污等利民工程，帮助东道国解决了许多重大民生问题；通过推进海外工程项目的属地化管理，加强对当地人才的培养，为当地培养和造就了一大批技术人才，极大促进了当地社会经济的发展。

资料1：中铁四局安哥拉工地医院自2008年成立以来，通过为当地华人提供医疗服务、为当地居民提供免费就餐就诊服务、为当地居民科普防治疾病知识、积极开展义诊活动、参与当地重大疫情救治等公益活动，不仅高质量完成了中国中铁在安哥拉工程项目驻地4000余名员工的医疗保障工作，还承担了救治安哥拉华人和当地居民的医疗任务。在海外医疗设备及药品极度匮乏的情况下开展了一系列难度及风险性较大的手术，成功抢救枪击伤、出血性休克、脑型疟疾、胃穿孔等重症病人600余例；成功救治登革热病人4000余例，恶性疟疾病人2000余例。中铁四局工地医院已成为安哥拉最大的华人医院，也架起了中安友谊的连心桥。



为当地学校提供体检义诊服务

资料2：2015年，中铁十局委内瑞拉分公司FMO项目部为当地提供大量就业机会，使用委籍劳工370人，投入三工建设费用70万元，环境保护费用90万元，资助当地教育机构30万元；组织志愿服务队2支，开展服务活动4次；开展委籍员工扶贫救助20人次，投入资金8万元；参与当地抢险救灾4次，投入抢险人员90多人次、设备30台套，资金80万元，得到当地居民的好评。

资料3：2015年，中铁资源华刚矿业发布了在刚果（金）矿山的《“和谐社区”建设五年规划》，努力打造“恩泽刚果、惠及民生”的和谐社区。先后投资近8万美元捐建变电站和供电线路配套设施，造福当地居民2.5万人；投资100万美元修缮杜赛伊迪安娜学校校园，升级修建农贸市场、足球场和篮球场。定期举行捐赠助学和义诊活动，向圣玛丽亚小学和杜赛伊迪安娜中学捐赠文体用品书包200个、足球衣50套、足球20个、跳绳200根，价值5000美元；组织6名医务人员为学校100多名师生进行了体检义诊，发放治疗、预防药品10余种共计200余盒。

Global Public Welfare

For a long time, CREC has always actively participated in international public welfare undertakings, and provided material assistance to improve the people's living standard in the host country of its engineering project by means of donation, contribution, and donations to schools; by constructing roads, bridges and other infrastructure and beneficial engineering projects such as residents' drinking water and sewage disposal free of charge, it helped the host country to solve a lot of major livelihood issues; through promotion of localized management of its overseas engineering projects, it enhanced local talent cultivation, and cultivated a large number of technical talents which greatly promoted the development of local social economy.

Information 1: Since the establishment of CREC No.4 Angola construction site hospital, it provided the local Chinese with medical service, provided the local residents with free meals and medical care services, popularized the disease prevention knowledge for the local residents, actively carried out gratuitous treatment and participated in the local major epidemic treatment. Through all these public welfare activities, CREC not only completed health care work for more than 4000 employees in the construction site of Angola engineering project, but also undertook the medical treatment task for Angola's Chinese and the local residents. Under the conditions of extreme shortage in overseas medical devices and medicines, it carried out a series of difficult and high-risk operations to successfully rescue over 600 cases of seriously ill patients suffering from shooting injury, hemorrhagic shock, cerebral malaria and gastric perforation, etc. In addition, it also successfully treated and cured over 4000 cases of dengue fever patients, and over 2000 cases of falciparum malaria patients. CREC No.4 construction site hospital has become the largest Chinese hospital in Angola, setting up a bridge for China-Angola friendship.



援建委内瑞拉小学

Information 2: In 2015, FMO Project Department of CREC No.10 Venezuela Branch offered large numbers of employment opportunities. It employed 370 Venezuela workers, and invested RMB 700,000 Yuan for the construction of life, culture and sanitation on construction site, RMB 900,000 Yuan for environmental protection, RMB 300,000 Yuan for local education institutions; it organized 2 volunteer service teams and carried out service for 4 times; it conducted anti-poverty for Venezuela employees for 20 person-time with the investment of RMB 80,000 Yuan; it participated local rescue and relief for 4 times with rescue personnel of more than 90 person-time, 30 sets of equipment and investment fund of RMB 800,000 Yuan, gaining good reputation among the local residents.

Information 3: In 2015, Sino-Congo Mines Co. Ltd of China Railway Resources Group Co., Ltd published Five-Year Plan for "Harmonious Community" Construction in Congo-Kinshasa mines, trying to create a harmonious community of "benefiting Congo and the people's livelihood". It invested nearly USD 80,000 for construction of transformer substation and power supply supporting facilities to benefit 25,000 local people; it invested USD 1 million to repair Dusay Deanna School campus and upgraded farm product fair, football field and basketball field. It regularly conducted donations to school and gratuitous treatment, and donated sports goods to St. Maria Primary School and Dusay Deanna Middle School with 200 schoolbags, 50 sets of football suit, 20 footballs, 200 pieces of skipping ropes which were valued at USD 5000 totally; it organized 6 medical staff to carried out physical examination for more than 100 teachers and students free of charge, and granted 10 kinds of treatment and preventive drugs of over 200 boxes totally.

开放的中国中铁

Open CREC



规范的信息披露

作为A+H股上市公司，2015年，公司积极研究中国资本市场改革新变化，不断适应上海和香港两地证券监管对信息披露工作的新要求，积极执行分行业监管和“直通车”业务要求，持续加大重大事项内部报告力度，严格履行信息披露义务。全年公司共计发布公告及通函288项，公告文件数量创上市以来新高，其中，A股公告122项，H股公告及通函166项，内容涵盖会议决议、定期报告、关联交易、债券付息、股权融资情况、战略合作协议签署、境内外重大工程中标等公司发生的应予披露的重大事项；同时公司结合市场和监管机构关注重点主动加强自愿性信息披露力度，尤其是加大了公司重大工程中标信息和围绕“一带一路”业务开展信息的收集和披露。全年信息披露没有发生虚假记载、误导性陈述或重大遗漏的情形，公司2014年度信息披露工作被上海证券交易所评价为A，即信息披露优秀类，还获评“中国证券市场信息披露阳光奖”等奖项。公司公告及通函均按照规定披露于上海证券交易所、香港联合交易所网站和指定报刊；同时，为了便于广大投资者查阅，信息披露文件也均发布于公司中英文网站上，确保了公司股东及广大投资者能够及时、平等、便捷地获得公司信息。



Normative Information Disclosure

As a listed A+H company, in 2015, the company actively studied new changes of China capital market reform, and constantly adapted to the new requirement for information disclosure supervision model of Shanghai and Hong Kong. It actively implemented industry-classified supervision and "through train" business requirement, continuously intensified efforts on internal major events report, and strictly performed the obligation of information disclosure. In 2015, the company released 288 notices and circulars which reached a new high in quantity of notice document, including 122 A-Share notices and 166 H-Share notices and circulars, with the contents covering conference resolutions, regular reports, related transaction, payment of interest of bonds, equity financing, signing of strategic cooperation agreement, domestic and abroad major project bidding and other major issues that should be disclosed; in the meantime, focusing on the concerns of market and supervision institutions, the company initiatively enhanced voluntary information disclosure force, especially intensified information collection and disclosure of bidding winning information for major projects and information on "One-Belt and One-Road" business operation. There was no false record, misleading statement or big misstatement in the full year. Its information disclosure work in 2014 was rated as A by Shanghai Stock Exchange (SSE), i.e. excellent information disclosure. In addition, it was awarded "Sunshine Prize for Information Disclosure of China Securities Market". The company notices and circulars were released on websites of SSE and SEHK and their designated newspapers and periodicals according to relevant regulations. Moreover, in order to make it easier for investors to check the information, information disclosure documents were also released on Chinese and English websites of the company. As a result, shareholders and investors can get information of the company in time and conveniently.





投资者问答



业绩发布会

积极的投资者关系

公司自上市以来，董事会、管理层高度重视投资者关系管理工作，经过持续的努力和不断的创新，公司投资者关系管理工作已形成常态化，各项日常工作推进有序。2015年，公司充分发挥投资者热线、IR邮箱、上证E互动平台作用，利用召开业绩发布会、接待投资者来访、年度股东大会、参加投资峰会等多种形式与广大投资者进行沟通交流，增进公司股东和投资者对公司的了解和认同，倾听股东和投资者意见和建议，荣获金紫荆“最佳投资者关系管理上市公司”。报告期内，公司举行了4场大型业绩发布会、2场业绩推介电话会议、5场电话沟通会；接听投资者热线电话约2172话次，收到各类邮件约18956封，转发、回复重要邮件及信息8326封；组织接待投资者来访45次，接待投资者326人次；安排出席境内外知名投资论坛和投资策略会议20场，组织路演会议65场，共会见基金经理、分析师732人次。

公司目前入选的指数有MSCI明晟中国A股指数的成份股、中国A50指数、上证综合指数、新上证综指、上证市值百强指数、上证全指、上证全指价值指数、上证50指数、上证180指数、上证流通指数、上证国企100指数、上证基本面200指数、上证180基本面加权指数、上证180低贝塔指数、上证180价值指数、上证180相对价值指数、上证180公司治理指数、上证180基建指数、上证央企50指数、上证社会责任指数、上证非周期行业100指数、上证中游产业指数、中证100指数、中证300价值、沪深300指数、中华交易服务中国120指数、中华交易服务中国A80指数、恒生综合指数、恒生综合行业指数（地产建筑业）、恒生综合市值指数（恒生综合中型股指数）、恒生环球综合指数、恒生可持续发展企业指数系列（恒生可持续发展企业基准指数、恒生A股可持续发展企业指数、恒生A股可持续发展企业基准指数、恒生内地及香港可持续发展企业指数）、恒生AH股精明指数、恒生A股行业龙头指数（地产建筑业）、恒生A股100强指数、恒生中国企业指数、恒生中国内地100、恒生基础设施建设指数、恒生AH股溢价指数、恒生AH股指数系列、恒生中国企业等众多只境内外市场权重指数系列。

Active Investor Relationship

Since the company was listed, the Board of Directors and management attached high attention to investor relationship management work. Through constant efforts and innovations, the investor relationship management work has been normalized, and all daily works were carried forward orderly. In 2015, the company made full use of the platforms of investor hot-line and IR e-mail and SSE E-interactive platform to communicate with investors and listen to opinions and suggestions of the stockholders and investors from many ways such as holding achievements report conference, receiving investors to visit the company, holding annual general meeting and attending investment summit. It was awarded Golden Bauhinia "Listed Company for Best Investor Relationship Management". In the report period, the company held 4 large-scale achievements report conferences, 2 achievements recommendation teleconferences, and 5 teleconferences; answered about 2173 hot-line calls, received about 18956 e-mails, transmitted and replied about 8326 important e-mails and information; organized and received 45 delegations for visit, and received investors for 326 person-time; arranged and attended 20 domestic and abroad famous investment forums and investment strategy conferences, organized over 65 roadshow conferences and met over 732 fund managers and analysts.

The company was included constituent stocks of MSCI China A-Share Index, China A50 Index, Shanghai Composite Index, New Shanghai Composite Index, SSE Market Value Top 100 Index, Shanghai Composite Index, Value Index of Shanghai Composite Index, SSE 50 Index, SSE 180 Index, Shanghai Circulation Index, Shanghai 100 Index of State-owned Enterprises, Shanghai 200 Index Fundamentals, Shanghai 180 Fundamental Weighted Index, Shanghai 180 Low Beta Index, Shanghai 180 Value Index, Shanghai 180 Relative Value Index, Shanghai 180 Corporate Governance Index, Shanghai 180 Infrastructure Construction Index, SSE Central Enterprises 50 Index, SSE Social Responsibility index, Shanghai 100 Index for Aperiodic Industry, SSE Middle Industry Index, CSI 100 Index, CSI 300 Value Index, Shanghai-Shenzhen 300 Index, CES China 120 Index, CES China A80 Index, Hang Seng Composite Index, Hang Seng Composite Industry Index (Properties & Construction), Hang Seng Composite Market Value Index (Hang Seng Composite MidCap Index), Hang Seng Global Composite Index, Hang Seng Corporate Sustainability Index Series (Hang Seng Corporate Sustainability Benchmark Index, Hang Seng A-Share Corporate Sustainability Index, Hang Seng A-Share Corporate Sustainability Benchmark Index and Hang Seng Mainland and Hong Kong Corporate Sustainability Index), Hang Seng A-Share Industry Top Index (Properties & Construction Industry), Hang Seng AH Smart Index, Hang Seng A-Share Industry Leading Index (Properties & Construction), Hang Seng Top 100 A-Share Index, Hang Seng China Enterprises Index, Hang Seng Mainland 100 Index, Hang Seng Infrastructure Construction Index, Hang Seng AH Premium Index, Hang Seng AH Index Series, Hang Seng China Enterprises Index and other weighted index series in domestic and foreign markets.

和谐的媒体关系

多年来，中国中铁和各类社会媒体保持着良好的关系，通过召开新闻发布会，邀请媒体出席企业重要会议，组织报道重要工程，在媒体开辟专栏，举办座谈会、培训班等多种形式加强与新闻媒体的沟通，促进工作，发布信息，接受媒体监督。

2015年，新华社、中央电视台、人民日报、光明日报、经济日报、科技日报、中国证券报、上海证券报、证券日报、证券时报、新华网、人民网及凤凰卫视等媒体发布公司信息超过20000条。



媒体采访

Harmonious Media Relations

Over the years, CREC maintained good relations with various social media. Through holding press conferences, inviting media to attend important enterprise meetings, organizing and reporting opening and completion ceremonies of important project, opening up column in media and holding forum and training courses, the company enhanced the communication with the media, promoted work, released information and received media's supervision.

In 2015, Xinhua News Agency, CCTV, People's Daily, Guangming Daily, Economic Daily, Science and Technology Journal, the China Securities, Shanghai Securities, Securities Daily, Securities Times, Xinhua Net, People's Net, Phoenix TV and other media have issued more than 20,000 pieces of information.



公司网站



中国中铁官方微信



中国中铁官方微博

特色的企业传媒

2015年，公司在继续办好官方网站、报刊等企业媒体的基础上，加强企业新媒体建设，开通了“中国中铁官方微博”和“中国中铁官方微信”，及时、准确发布企业信息。

2015年，公司积极参与中央电视台《世界大桥中国造》、《中国盾构机——从学徒到教练的逆袭》等专题节目制作，播出后反响热烈；编写了记录企业发展脉络的《辉煌足迹》和反映企业“十二五”辉煌成就的《砥砺辉煌》两本书。

Characteristic Corporate Media

In 2015, on the basis of continuous perfection of official website and newspaper and other corporate media, the company enhanced corporate new media construction, opened up "CREC Official Microblog" and "CREC Official WeChat" to timely and accurately release corporate information.

In 2015, the company actively took part in special programming conducted by CCTV such as World Bridges Made by China, China's Shield Tunneling Machine-From Apprentice to Master, which received enthusiastic response after broadcasting; it compiled two books, one was Brilliant Footprint which recorded its history development, the other one was Encourage Brilliance which reflected its brilliant achievements in "12th Five-Year Plan" period.



公司报刊

社会评价

Social Assessment



2015年，公司位列《财富》世界500强企业第71位、《工程新闻记录（ENR）》全球最大250家国际承包商第23位，并在资本市场先后荣获金紫荆“最佳上市公司董事会”、中上协“中国最受投资者尊重的百家上市公司”、中证报“金牛上市公司百强”、“董事会特别贡献”、“港股百强”等多项荣誉。

2015年，全公司有11家单位被评为“全国文明单位”，20家集体被授予“火车头奖杯”，4家集体获“全国青年文明号”；有13名同志被评为全国劳模，119名同志获得火车头奖章……

In 2015, CREC ranked the 71st among world top 500 enterprises in Fortune, the 23rd among Top 250 largest global international contractors in ENR, and successively won "Golden Bauhinia Best Listed Companies", "100 Most Respected China's Listed Companies" awarded by China Associations for Public Companies, "Top 100 Golden Ox Listed Companies" awarded by the China Securities, "Special Contributions of Board of Directors" and "Top 100 Hong Kong Listed Companies", etc.

In 2015, 11 units of CREC were honored as the title of "National Civilization Unit", 20 collectives were awarded "Locomotive Cup", 4 collectives were awarded "National Youth Civilization Unit"; 13 persons were awarded "National Model Worker" and 119 persons won Locomotive Medal.....



2015年度十佳优秀社会责任实践

Top Ten Outstanding Social Responsibility Practices in 2015

社会责任实践名称	实施单位
工程项目全员安全教育培训	中国中铁
湖南汝城县朱家村精准扶贫	中国中铁
天津港“8·12”爆炸事故抢险救援	中铁一局、中铁五局、中铁六局、 中铁七局、中铁电化局、中铁建工集团
深圳“12·20”山体滑坡灾害抢险救援	中铁一局、中铁二局、中铁三局、中铁隧道集团、 中铁港航局、中铁建设投资集团、中铁二院
中铁四局安哥拉工地医院医疗公益行动	中铁四局
中铁十局委内瑞拉FMO项目爱心公益行动	中铁十局
刚果（金）“和谐社区”建设	中铁资源
中铁八局云南物业爱心工作站“4+1阳光慈善超市”	中铁八局
《爸爸我来了》大型公益直播节目	中铁大桥局
燃煤锅炉节能减排技术改造	中铁山桥

Name of Social Responsibility Practice Project	Implementation unit
Whole staff safety education training for engineering project	CREC
Targeted poverty alleviation in Zhujiacun Village of Rucheng County of Hunan Province	CREC
Rescue of "8-12" explosion accident in Tianjin Port	CREC No.1, CREC No.5, CREC No.6, CREC No.7, China Railway Electrification Bureau, Construction Engineering Group
Rescue and relief of "12-20" landslide disaster in Shenzhen	CREC No.1, CREC No.2, CREC No.3, China Railway Tunnel Group, Port and Channel Engineering Group Co.,Ltd., Construction Investment Group, China Railway Eryuan Engineering Group Co., Ltd.
Medical public welfare action of CREC No.4 Angola construction site hospital	CREC No.4
Love public welfare action of CREC No.10 Venezuela FMO project	CREC No.10
Congo-Kinshasa "harmonious community" construction	China Railway Resources Group Co., Ltd.
"4+1 Sunshine Charity Supermarket" of CREC No.8 Yunnan property love work station	CREC No.8
Large public welfare live program I'm Coming, Dad	China Railway Bridge Bureau
Technical transformation to coal-fired boiler for energy saving and emission reduction	China Railway Shanhaiguan Bridge Group Co., Ltd.



2016年，是中国中铁“十三五”发展的开局之年。我们将紧紧围绕“打好提质增效攻坚战”这一主线和“抓机遇促增长、抓创新促转型、抓在建促营销、抓双清降负债、抓整改化风险、抓党建强班子”的中心工作，进一步深化企业改革、加强市场经营、推进科学管理、突出创新驱动，切实提升发展质量和竞争能力，努力开创企业持续健康发展新局面。

2016年，中国中铁将进一步发挥行业龙头企业履行社会责任的表率作用，全面深化社会责任管理，拓展社会责任领域，丰富社会责任内容，提升社会责任实践水平，与利益相关方共同携手，为推动全社会的发展进步而不懈努力！

2016 is the opening year of CREC "13th Five-Year Plan" development. We will closely center on the main task of "fighting a battle for quality improvement and efficiency increase" and "grasping opportunity for growth, grasping innovation for transformation, grasping construction work for marketing, grasping two clearances for debt reduction, grasping rectification for risk relief, grasping party construction for leadership strengthening", and further deepen the corporate reform, enhance market operation, promote scientific management, highlight innovation drive to promote development quality and competitiveness capability in order to achieve a new progress in sustainable and healthy corporate development.

In 2016, CREC will further play an exemplary role of the industry leading corporate to fulfill social responsibilities, comprehensively deepen the social responsibility management, expand the social responsibility fields, enrich the social responsibility contents, enhance social responsibility practices, cooperate with the interested parties, to make unremitting efforts to promote the development and progress of the whole society!

读者反馈

感谢您在百忙之中阅读中国中铁股份有限公司2015年社会责任报告。

报告在编写过程中难免存在瑕疵和疏漏之处，我们十分愿意倾听您的意见和建议，再一次向您对本公司的支持和帮助表示衷心感谢。

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Readers' Feedback

Thanks for your reading the social responsibility report of 2015 China Railway Group Limited in your busy schedule.

There are inevitable flaws and omissions in compiling preparation process of the report. We are very willing to listen to your comments and suggestions. We express our sincere thanks for your support and help to the company once again.

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