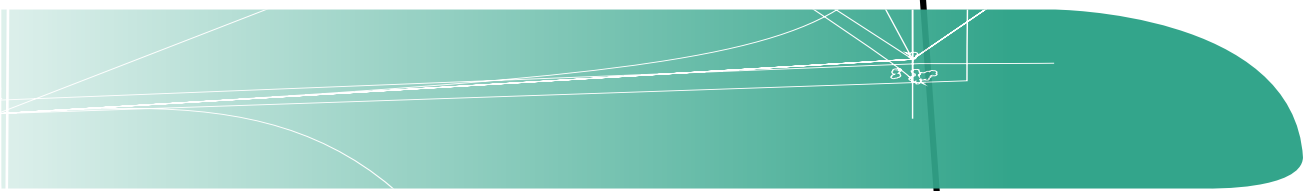


01



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

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.



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" " " CREC" " "

The logo is constituted of the Chinese abbreviation of company name "CREC" 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 " " is not only like a solid rail, carrying the glorious and heavy history, but also like giant building, illuminating a ourishing future.



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2016

" " " " " "

2016		500	57
500	296		3
	1	13	
19			

" " " " " "

2017

2017 3



## Speech of Leader

In 2016, 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 united as one, overcame many difficulties to forge ahead, and fully played the role of industry example and model, effectively practiced the sacred mission of high-quality project construction and improvement of people's livelihood, positively committed and fully fulfilled its 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 adhered to the strategy guidance, made and implemented its "13<sup>th</sup> Five-Year" development plan, put forward the strategic objectives of "implementing quality and efficiency improvement strategy to make the enterprise more excellent, more stronger and bigger": the main economic indicators reached a record high, achieving a good start for the "13<sup>th</sup> Five-Year Plan"; it actively promoted the structural adjustment and internal reorganization, vigorously boosted the regional operation and management mode, comprehensively strengthened the strategic cooperation docking, and actively promoted the integration of industry and finance, created a financial cooperation platform to explore innovative business model, and boosted the implementation of a number of major investment projects; it deeply pushed forward engineering project delicacy management and project management laboratory

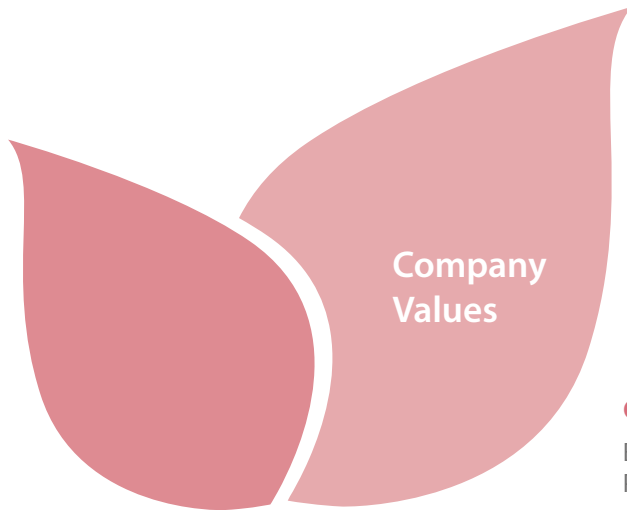
activity, comprehensively enhanced the team leader safety and quality responsibility system and safety education and training, extensively carried out labor emulations such as "Zhan Tianyou Cup", "Menghua Cup", "CREC Cup" and so on, and efficiently constructed a large number of major projects with high quality; it paid attention to ensuring and improving people's livelihood, deeply 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 2016, CREC ranked 57<sup>th</sup> in top 500 companies in the world, and ranked 296<sup>th</sup> in top 500 world's brands. The company won 3 prizes for National Progress in Science and Technology, 1 prize for National Technical Invention Award, 13 Luban Prizes for China Architecture Project, and 19 prizes for National High-Quality Project Award.

In 2017, 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, 2017





## Company Values

### 企业精神:

### Corporate Spirit:

Brave to Overcome Difficulties and Pursuit for Excellence

### 核心价值观:

### Core Value:

Honesty and Professionalism, Co-building and Sharing

### 企业宗旨:

### Enterprise Tenet:

Innovation and Efficiency for High Quality Development

### 企业使命:

### Corporate Mission:

Dedication to Excellent Products for People's Better Life

### 企业愿景:

### Enterprise Vision:

Leading in China and First-class in the World



## Planning of Social Responsibility

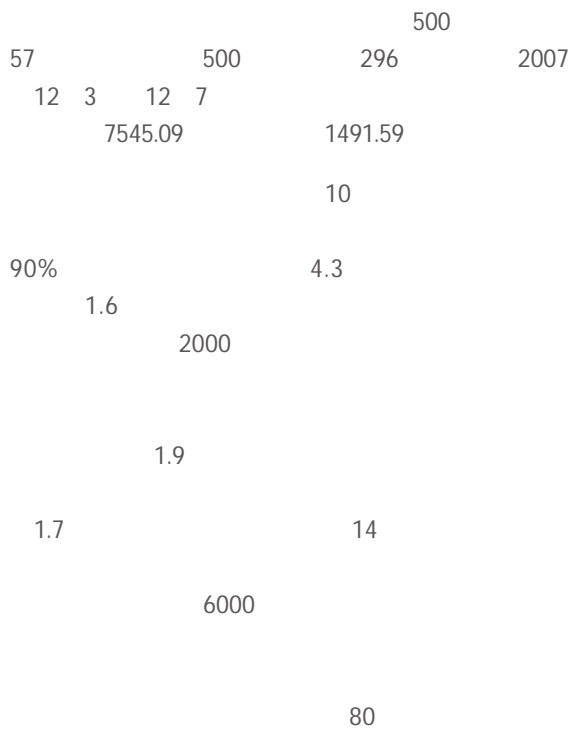
2008

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, and 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 social responsibility from the company headquarter to the subsidiaries 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.





## Company Profile



CREC is an extremely large enterprise group integrating survey and design, construction and installation, industrial manufacturing, real estate development and other business. It is one of the largest construction contractors in the world, ranking 57<sup>th</sup> in the top 500 companies in the world and ranked 296<sup>th</sup> in top 500 world's brands. CREC was listed respectively on December 3<sup>rd</sup>, 2007 and December 7<sup>th</sup>, 2007 in Shanghai and Hong Kong, with the total assets of RMB 754.51 billion Yuan and net assets of RMB 149.16 billion Yuan.

The builders of CREC have successively constructed railways of nearly 100,000 kilometers, accounting for more than two-thirds of the total length of China's railway and 90% of China's electrified railway; they have participated in the road construction which covered over 43,000 kilometers, of which expressway is more than 16,000 kilometers, about one-eighth of total mileage of China's expressway; they have participated in the construction of urban rail transit project of more than 2,000 kilometers, accounting for three-fifth of China's urban rail project; they have constructed nearly ten thousand bridges with total length of more than 19,000 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, Taihangshan Tunnel, Xiamen Xiang'an Undersea Tunnel, Wuhan Yangtze River Tunnel and so on, with the total length of 17,000 kilometers. The builders have participated in the Antarctic expedition for 14 times, undertaking 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 6000 large-scale projects including national airports, docks, hydropower, high-rise buildings, municipal and other large projects, with the business scope covering all infrastructure construction fields, and the projects spreading all over China's provinces and autonomous regions except for Taiwan and more than 80 countries and regions in the world. The technological level in many areas has reached the world's advanced level, and has won the prizes for National Progress in Science and Technology for many times.





## Corporate Governance

2016	7			
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	8	)	1	
	1			

In 2016, the Board of Directors is composed of 7 members including 3 executive directors, 4 independent non-executive directors, and

pro

2016	"	"		
	"		"	
			"	
		"		

2016			1
	1	10	
5	17		
266	205		



## Internal Control Supervision

2016

5

63

5

76

2016

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 2016, CREC strengthened efforts on management defect rectification found in internal control audit and appraisal under the requirements of overall in-depth corporate reform. It 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 5 times, and 63 rules and regulations have been appraised.

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 2016.

In recent years, the company continued to strengthen anti-corruption system construction and staff training, the establishment of an independent audit department, to strengthen the monitoring of each business, and actively create a "do not want to rot, not rot, not rot clean culture.



## Honest Management

2016

PPP

21

AAA

In 2016, CREC strictly implemented related laws and regulations in market operation development. In accordance with the laws, it participated in hundreds of biddings and PPP project procurement, without one case of unhealthy operating behavior. In construction and production procedures, CREC intensified organizational management, made overall resources arrangement, optimized the construction organizing method and labor employment method, and completely fulfilled the commitment to each contract. A total of 21 projects were awarded as the construction site of national AAA-level safety and civilization as well as standardization and good integrity.

2016

In 2016, CREC No.1, CREC No.4 and CREC No.8, CREC No.9, CRBB (China Railway Bridge Bureau), CRCEG (China Railway Construction Engineering Group), CRAC (China Railway Airport Construction Group Co., Ltd.) and CRSBG (China Railway Shanhaiguan Bridge Group Co., Ltd.) were awarded national contracted honor enterprises, CREC No.3, CREC No.10, CREC Shanghai Bureau and BRDI (China Railway Major Bridge Reconnaissance & Design Institute Co., Ltd.) were awarded provincial contracted honor enterprises, CREC No.3, CREC No.7, CREC No.10, CRBB (China Railway Bridge Bureau), CRCEG (China Railway Construction Engineering Group) and CRAC (China Railway Airport Construction Group Co., Ltd.) were awarded advanced legal units in national transportation corporates, CREC No.2, CREC No.6 and CRBB (China Railway Bridge Bureau) were awarded 2016 typical creditable construction corporate.

2016

1 2016

A

Information 1: In 2016 railway construction enterprises credit rating, in the first half year, five units including CRPCEG (China Railway Port and Channel Engineering Group Co., Ltd.), CRAC (China Railway Airport Construction Group Co., Ltd.), CREC No.4, CREC No.1, and CREC Shanghai Bureau were rated as A, ranking first, third, fifth, sixth, and ninth, respectively. In the second half year, six units including CREC No.3, CREC No.4, Wuhai Railway Electrification Bureau Group Co., Ltd., CREC No.2, CTEC Guangzhou Bureau and CRAC (China Railway Airport Construction Group Co., Ltd.) were rated as A, ranking second, fourth, sixth, seventh, ninth and tenth, respectively.

2 2016

A

Information 2: In 2016, CREC guaranteed a batch of key projects were constructed and put into use, including Shanghai-Kunming High-speed Rail, Zhengzhou-Xuzhou High-speed Rail, Hong Kong-Zhuhai-Macao Bridge, Beijing-Urumqi Expressway, Que'ershan Tunnel of Sichuan-Tibet Highway, Shenzhen Metro Line 11 and Addis Ababa-Djibouti Railway, etc.

# High-Quality Service

Improvement of Physical Environment

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Improvement of Service Quality

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Construction of High-Quality Project

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## Improvement of Physical Environment

CREC has powerful technical forces and mechanical equipment that can be used in complex geological and hydrological conditions as well as special environment 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 global infrastructure construction, making impressive performance in the great cause of improving the geophysical environment of the Earth for mankind's ideal.

In 2016, the track laying (new line, double line) that the whole company has completed covered 7161 kilometers, the electrified railway contacting net was 8250 kilometers, the roads covered 2244 kilometers (including the expressway of 1121 kilometers). The newly-constructed bridges covered 1734 kilometers and the tunnel extended 1368 kilometers.

Information: CREC has always been committed to promoting the infrastructure construction with sustainable resilience, especially in four areas including integrated transport hub, composite bridge, intensive space, and utility tunnel, and continuously improved the utilization efficiency of public infrastructure, reduced repeated construction, saved land and energy, promoted environmental protection, and boosted social sustainable development; in addition, it focused on research and development, use and promotion of new technologies, new processes and new materials that help to improve the resilience of infrastructure, and strove to contribute more resilient infrastructure to society. In 2016, it was in the shortlist of "China Pioneer Enterprise in Achieving Sustainable Development Goals".

2016			
7161			8250
2244		1121	
1734	1368		

2016



## Improvement of Service Quality

2016

"

"

ISO9000  
QC

In 2016, 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. At the same time, we fully protect the customer's business sensitive information and personal privacy.

In project quality management, CREC seriously implemented ISO9000 system standard and Measures for Project Quality Supervision and Management, vigorously carried out QC activities, developed feasible quality plan, set up professional quality engineers and prepared special excellence programs to ensure the quality of excellence to achieve the goal.

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 understand on-site demand, collect product feedback opinions in order to continuously improve its product and service quality and promote its management level.

In financial service, the company cooperated with large financial institutions such as banks, insurance companies and trust securities to innovate and develop financial products by making full use of central enterprises' financial resources and advantages of abundant high-quality assets so as to transform owner-related high-quality infrastructure investment into various financial products and introduce them to institutions and individual investors. At the same time, with the needs of owner development, it actively carried out the integration of industry and finance to lay a solid foundation for in-depth cooperation between enterprises and financial institutions.

Information 1: In 2016, China Railway Electrification Bureau conscientiously did a good job to ensure the railway transport and management services in major festivals and important activities. Especially during the Hangzhou G20 Summit, it made great efforts to ensure smooth transport of a number of high-speed rails including Hangzhou-Huangshan High-speed Rail, Hangzhou-Changsha High-speed Rail and Hangzhou-Ningbo High-speed Rail, etc.

1 2016

G20

Information 2: In 2016, supported by cloud computing platform and big data technology, China Railway Engineering Equipment Group Co., Ltd established TBM optimization decision-making theory and intelligent control expert system. It actively built up an efficient and unified digital remote construction technology monitoring platform and collaborative design platform to achieve R&D data centralized management and sharing, thus greatly enhancing the quality of service.

2 2016

TBM

Information 3: China Railway Huida Insurance Broker Co., Ltd. has diversified and efficient underwriting services. It tailored insurance scheme for the insured to improve the cost performance of insurance premiums, reduce the insurance costs of the insured. In addition, it established a complete business chain service model. As of the end of 2016, the cumulative premium income was about RMB 580 million Yuan.

3

2016

5.8



## Construction of High-Quality Project

2016

“ ”

In 2016, CREC continued to carry forward the philosophy of "elaborately design to draw the blueprint for the times; scienti cally construct to build high-quality project". The company has always made every construction site management as a system engineering. Through standardization of site compliance activities, it strictly controlled quality and strictly implemented construction technology standards. It constantly kept improving the quality of construction products and enriching the content of construction products. Moreover, it strove to build every project as an international rst-class architecture and a hundred-year ne project.

2016

13

2 3

In 2016, CREC's 13 projects were awarded Luban Prize for China Architecture Project, which respectively were new Shenyang South Railway Station project (station building part), Phase I construction of residential project of Plot 2 and Plot 3 of Qinhuangdao Golden Dream Bay, Nanning East Station building and related projects for new Nanning-Litang Railway, Guiyang North Station Station building project for new Guiyang-Guangzhou Railway, Lanzhou West Railway Station building project for special passenger line of new Baoji-Lanzhou Railway, Yongjiang super-large bridge of North Ring Road project of new Ningbo Railway Terminal, Phase II Project of Xinzhuan Sewage Treatment Plant in Guiyang, Youzhushan Tunnel of Guiyang-Guangzhou Railway, Ma'anshan Yangtze River Highway Bridge, Jintang Bridge construction of Zhoushan mainland-island project, Anhui Hall of Fame, Bangladesh Third Karnaphuli Bridge, Leghama - Pearl Galla Highway Project of Papua New Guinea Independent State. Till now, CREC has accumulated 151 projects awarded with this prize.

151



Promotion of Economic Development

Social Contribution Value

Continuous Promotion of Employment



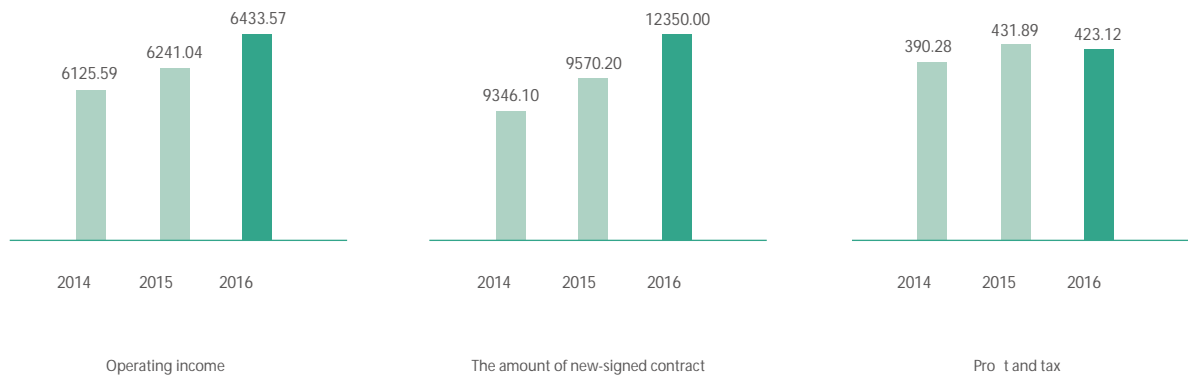
## Promotion of Economic Development

2016	6433.57	2016
3.08	12350	29
423.12	2.03	
125.09	0.517	

CREC has worked hard to become the prop for the national economic development. In 2016, the company has driven the global and local economic growth and promoted the economic development and social progress through the construction of railway, highway, rail transit, port, municipal building, airport and other infrastructures in the global market especially the Chinese market, and constantly created and accumulated high-quality material wealth for the society.

In 2016, the company total revenues was RMB 643.36 billion Yuan, with a year-on-year growth of 3.8%; the amount of newly-signed contracts reached RMB 1235 billion Yuan, with a year-on-year growth of 29%; the total amount of taxes & profits was RMB 42.31 billion Yuan, with a year-on-year growth of 2.03%, net profit belonged to parent company was RMB 12.51 billion Yuan, with the average profit of RMB 0.517 Yuan for each share. CREC has become the major creator of social wealth and an important driving force for social and economic development.

(Unit: RMB 0.1 Billion Yuan)



## Social Contribution Value

2008

Since 2008, we have taken the lead to disclose the social contribution value per share in the industry.

2016

In 2016, we continued to improve the assessment system, researched and estimated corporate social contribution value per share of CREC in 2016 with the method of combination of self-statistics, estimation and expert assessments, which is just for your reference.

2016

### 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.

Social contribution value per share = corporate social contribution value/total equity

$$\begin{aligned}
 & + & = & + & + & + \\
 & - & + & - & - & + \\
 & & = & & / & 
 \end{aligned}$$

### The statistics in recent three years:

2014	1305.1
6.13	
2015	1439.4
6.3	
2016	1454.2
6.37	

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

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

The corporate social contribution value of CREC in 2016 reached RMB 145.42 billion Yuan, and social contribution value per share was RMB 6.37 Yuan.

### Terminological Interpretation:

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



## Continuous Promotion of Employment

2016  
9702  
2016  
2016 180  
" "  
2016  
400

CREC always fulfills employment responsibility which is taken as one key content of its corporate social responsibility. In 2016, CREC strictly implemented the stable 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 2016, the whole company received more than 9702 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 2016, 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 the team leader safety and quality responsibility system. It further intensified management, support and help to the front line peasant workers and took many measures to ensure it could pay wages to peasant workers on time in full. We adhere to the principle of equality of employment, prohibit the use of forced labor and child labor. Adhere to provide diversified development opportunities, will not be discriminated against by gender, race, religion, age, nationality and status.

Information: In 2016, CREC strictly carried out Measures for CREC Talent Introduction Management for talent introduction control. It organized human resources departments of its affiliated units to conduct graduates recruitment work for main specialties in Tongji University, Southwest Jiaotong University, Tianjin University and other colleges and universities, and a total of more than 400 excellent university graduates were recruited, adding fresh blood and reserve forces for the corporate.





Maintenance of Sta 's Rights and Interests



Promotion of Sta 's Growth



Reinforcement of Three Projects Construction









## 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. The company has engineering, accounting, economic and political work a series of professional and technical staff promotion review committee to review the qualifications, the series of senior professional and technical staff in accordance with the relevant provisions of the company.

In 2016, the company developed the CREC "13<sup>th</sup> Five-Year" talent development plan and talent training program, in order to provide a blueprint and basis for further promotion of the strategy of talent thriving enterprises and creation of "eight talent teams". The company's "national model of migrant workers" Ju Xiaolin was elected vice chairman of the National Federation of trade unions, the "national knowledge industry workers" Dou Tiecheng was elected vice chairman of the Shaanxi Provincial Federation of trade unions.

In 2016, the company organized Jinggangshan ideal and faith training class twice for leading cadres, theoretical training class twice for leading cadres, class for advanced studies twice for department leaders in SASAC branch of Party School of the CPC Central Committee to vigorously carry out the education on ideal and faith, party style and party discipline, political theory, and has trained 305 leaders at all levels. 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 2016, the company organized a stock company-level expert selection and recommendation meeting, carried out performance assessment to 40 appointed CREC experts in their terms, and added 32 CREC experts. Up to now, the stock company owns a total of 10 special-grade CREC experts and 72 CREC experts. By taking stock company-level experts as the main body, it actively performed high-

level expert recommendation and selection work. In 2016, 8 people won Mao Yisheng Railway Engineer Awards, 6 people won Zhan Tianyou Railway Science and Technology Awards, 3 people won the title of national engineering survey and design master, of which, Hong Kairong from CRTG (China Railway Tunnel Group) won the honorary title of Zhan Tianyou Award, which was the second time for the stock company to win this laurel after Academician Wang Mengshu. In 2016, a total of 173 professor-level senior engineers and 3760 senior professional talents passed the assessment.

In 2016, the company continued to carry out "3 + 1" order-oriented training work for international engineering reserve talent, and totally recruited 322 junior students in 7 cooperative colleges and universities, an increase of 110 students over last year. At the same time, more than 200 college students graduated from the first international engineering class were assigned to various overseas projects to begin the actual practice. 50 young backbones who successfully graduated from the first CREC International Engineering Seminar have completed full-time study of nearly 10 months. They have improved the level of foreign languages and become familiar with the international engineering contracts, laws, businesses, and management knowledge, laying a solid foundation for better participation in the development of international business in the future.

Information: In 2016, the company organized the appraisal and election of advanced collective and advanced individual in "advocating ideal, comparing contribution" activities. Five units won "advanced collective" honorary title, and 10 people won "advanced individual" honorary title, who were commended in the company science and technology meeting, thus further inspiring the enthusiasm of the majority of professional and technical personnel for innovation and benefit-making.



## Reinforcement of Three Projects Construction

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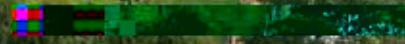
In 2016, CREC adhered to the “three projects” construction as the main content, namely construction site life, culture and hygiene. It accumulatively invested RMB 270 million Yuan in the “three projects” construction, fully improved the standard of living, culture and hygiene in forefront of the construction and created good living and working environment for front-line sta .

Information 1: In 2016, CREC No.6 invested RMB 18.55 million Yuan for

Perfection of Management System

Implementation of Safeguard Measures

Concerns about Occupational Health



## 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



## Implementation of Safeguard Measures

2016

12

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In 2016, the company deployed and carried out a two-year violation rectification action, put forward 12 specific safeguard measures, and consolidated the basis of safety and quality management. The company also organized relevant experts to carry out safety production inspection in the first and second half years, respectively. By taking tunnel and underground engineering project, large temporary facilities, support system, mechanical equipment operation, site inertial "three violations", subcontracting on-site control as key inspection points to conduct on-site safety and quality inspection to the construction of tunnels, subways, shields, and operational lines of key projects under construction, as well as cross-road railway cast-in-place continuous beam, prefabricated beam erection, high-filled (dug) roadbed, bridge and subgrade accessory works, girder fabrication field and prefabricated field, mixing station and other working points.

2016

1 2016

In 2016, the company compiled the "Manual of Standardization to CREC Subway Construction Operation", and vigorously promoted the standardized operation for subway construction and shield machine maintenance management as well as standardized management for shield measurement. At the same time, it boosted the safety production information construction and safety and quality standardization management to its affiliated construction enterprises.

Information 1: In 2016, CREC No.4 vigorously promoted the safety and quality technicalization and informatization management, and further

6

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2 2016

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## Concerns about Occupational Health

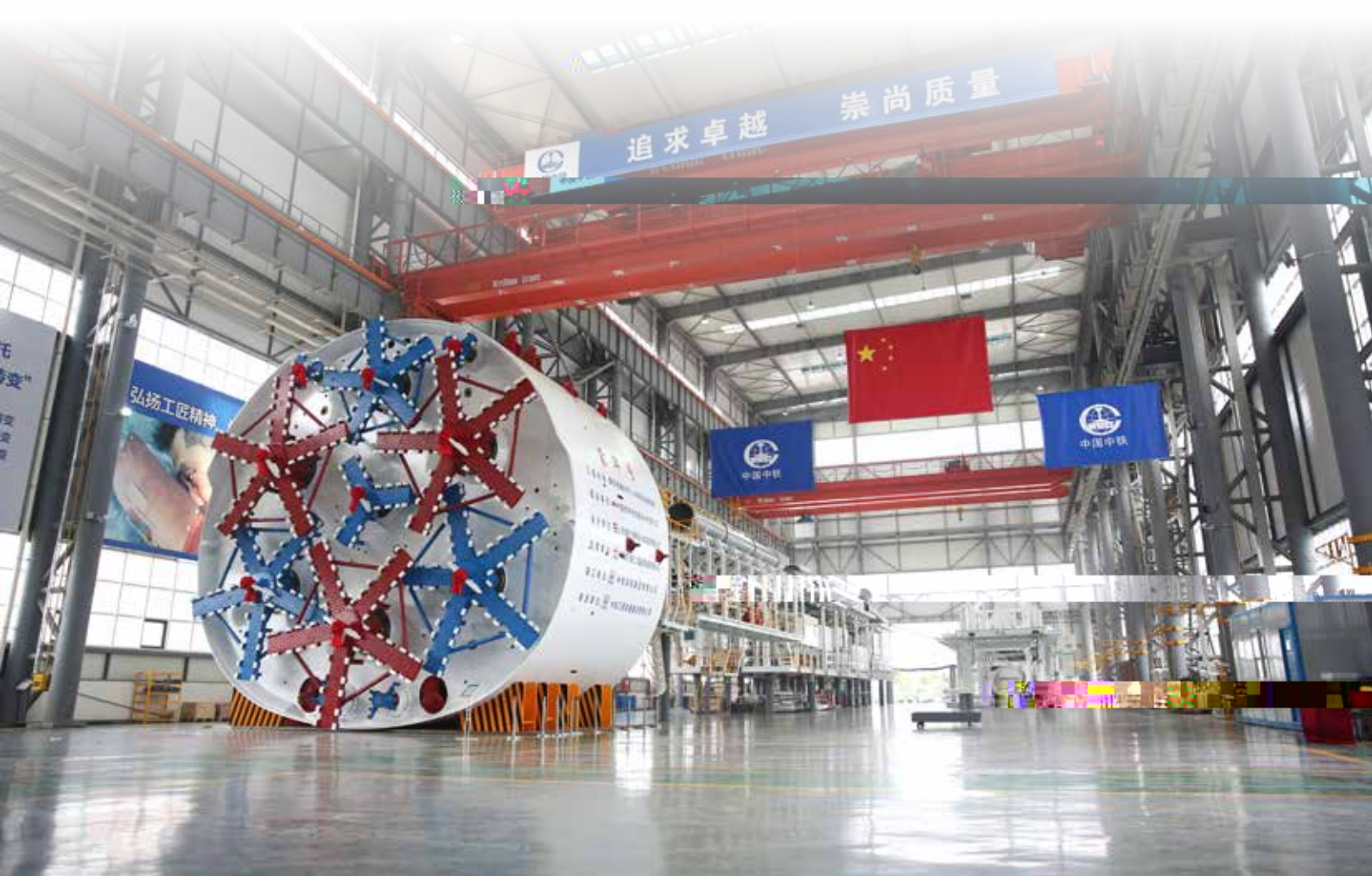
2016	2016		
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"	"		
21800		282326	
1		337	2016
298		224	8000
2			
			3

In 2016, CREC seriously organized the implementation of "Law of the People's Republic of China on Prevention and Control of Occupational Diseases" (revised in 2016), adhered to doing occupational health work in accordance with the laws and regulations. By taking "occupational hazard pre-evaluation in construction project, conducting of occupational injury insurance, overall occupational health education and training, informing of occupational hazards, improvement of health examination record, allocation of qualified labor protection products, and strengthening of process supervision and inspection" as the main measures to vigorously promote the occupational health management to front-line (factory) projects. The whole company carried out various safety educations and trainings as well as activities for 21800 times with 282326 person-time of staff who received education and assessment, thus enhancing the occupational health and health protection awareness of front-line operators.

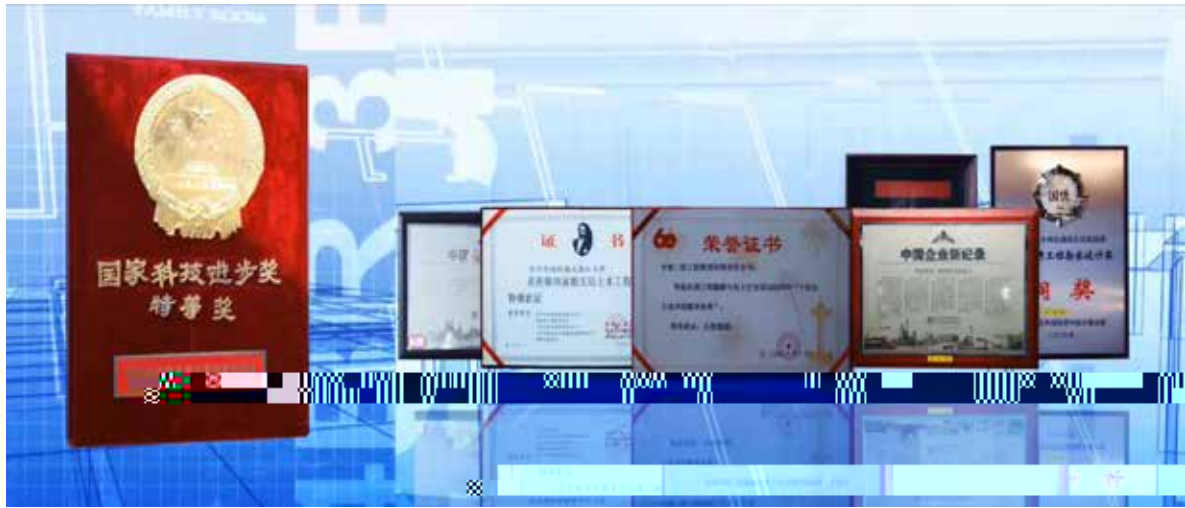
The whole company further perfected staff health record, regularly organized staff physical examination, conducted occupational injury insurance for the staff, carried out health lectures so as to lead staff and enterprises to control the occupational hazard source and actively carry out scientific prevention and treatment to occupational hazard by cooperating with related departments. On the construction site, the company continued to increase fund investment, improved staff's working conditions, constantly improved the site dustproof, noise reduction and safety facilities, enhanced the inspection and governance of all hazardous gas, dust, noise in the workshop, provided the personnel with working protection facilities and personal protecting devices that meet the safety and sanitation standards, maximally minimized the occupational hazards, and actively created a safe, clean, comfortable and harmonious working environment for the staff.

Information 1: CREC No.1 insisted on promoting the front-line psychological counseling services. In 2016 it newly educated 337 full-time and part-time psychological counselors, established 298 psychological counseling rooms, conducted 224 psychological counseling seminars, and a total of nearly 8,000 employees received psychological counseling.

Information 2: BRDI (China Railway Major Bridge Reconnaissance & Design Institute Co., Ltd.) organizes regular staff physical examination, female workers examination and two cancers screening every year, on the basis of which, it targeted to invite relevant experts to the company to teach and answer questions about health problems concerned about by the staff, in the meanwhile, it strengthened the care to female workers. Moreover, it launched 3 mummy cabins to provide services for female workers in special period.







				2	2016			
					FIDIC			
							FIDIC	
					2016			
					91		1161	
						78		
					171			
					3		5964	
					1661	166		1850
		7						11
		40			4	2016		
					77		20	58
					2016	ENR	225	
					64	2015	11	
					1	2016		3
					1			
		320				2016		
		107						5
14								
2699								

## Leading Industrial Progress

## Strengthening Innovation Drive



In 2016, CREC carefully implemented the national guidelines for scientific and technical works of "independent innovation, key spanning, supportable development and leading the future". Combined with the actual enterprises development and engineering construction demands, it newly started 899 research projects. Centering on the high-tech fields mainly supported by the state and enterprise "13<sup>th</sup> Five-Year Plan" for technology development, the company enhanced scientific research strength in high-speed rails, large span bridges, long tunnels, low-carbon technologies, industrial upgrading, transformation of scientific research achievements, integration of industry and finance, organized and carried



Promotion of Energy Saving and Emission Reduction



Strengthening Environment Governance



Protection of Ecological Environment





## Promotion of Energy Saving and Emission Reduction

2016	"	"	"	"
	"	"		
			2016	
0.0590		3.27%		
1	2016	20	55	
2	2016	5800	"	"
"	"	"	"	"
3	2016			
4		7	3	
				160

In 2016, the company fully planned "13<sup>th</sup> Five-Year" work for energy saving and emission reduction, and completed the compilation of "13<sup>th</sup> Five-Year Plan" for energy saving and emission reduction. The company actively carried out energy saving and emission reduction work, and fully implemented standardized site construction of energy saving and emission reduction, promoted the application of new technologies, new processes and new equipment to improve energy efficiency while strictly controlling pollutant emissions, increased technological transformation and elimination of backward equipment, reduced emissions of waste gas and waste liquid, and made full use of waste residues and other waste. In 2016, there was neither environmental liability accident nor major illegal event on energy saving and emission reduction; and the pollutant emission reached both relevant national and local emission standards.

In 2016, the comprehensive energy consumption (comparable price) per ten-thousand business income was 0.0590t standard coal, which was reduced by 3.27% on year-on-year basis, and the company successfully completed the annual objectives for energy saving and emission reduction.

Information 1: In 2016, 20 engineering projects were defined as the 5<sup>th</sup> batch of national green construction demonstration projects in construction industry, and 55 projects won the title of CREC standardized construction site for energy saving and emission reduction.

Information 2: In 2016, CREC No.3 invested the funds of nearly RMB 58 million Yuan in energy saving and emission reduction. In addition, it organized and carried out "publicity week for energy saving and emission reduction" and "national low-carbon day". It carried out selection activity of "energy saving and emission reduction standard site" and self-inspection work for energy saving and emission reduction so as to effectively control energy consumption and reduce pollution emission.

Information 3: In 2016, CRBBG (China Railway Baoji Bridge Group Co., Ltd.) vigorously promoted energy saving and emission reduction work. It scrapped 4 coal-fired boilers, 7 waste gas tank, and built 3 new natural gas boilers. In addition, it continued to increase dust control efforts according to local conditions. It invested more than RMB 1.6 million Yuan to purchase new dust removal equipment to solve the long-standing dust pollution problems in steel rail flash welding and steel structure sanding processes.



Key performance indicators in three aspects of emissions, resource use, environmental and natural resources

	Emissions and Energy Types	Accumulated Completion Value Last Year	Accumulated Completion Value This Year	Environmental and Natural Resources
Exhaust emission types and related emission data	Nitrogen oxide, sulfur oxide and other pollutants regulated by national laws and regulations	--	----	--
--Total amount of greenhouse gas emission (ton)	CO2	13166396.5	13195853.6	--
	Other gases (specify if any)			
Hazardous waste generated				--
Total amount of non-hazardous waste generated				--
Detailed description of measures and the results obtained in energy saving and emission reduction	In 2016, the comprehensive energy consumption (comparable price) per ten-thousand business income was 0.0590t standard coal, which was reduced by 3.27% on year-on-year basis compared to the last year, and the company successfully completed the annual objectives for energy saving and emission reduction.			--
Detailed description of methods for handling hazardous and non-hazardous waste, measures to reduce production and all results				--
Direct/indirect energy classified by type (e.g. electricity, gas or oil)	Electricity (kilowatt)	836790	837891	--
	Gasoline (ton)	371160	372650	--
	Diesel (ton)	1265005	1267443	--
	Natural gas (10,000 standard cubic meters)	3350	4100	--
	Other energy (specify the name if any)	--	--	--
Total water consumption	Water (ton)	--	--	--
Describe energy use benefit plan and the results obtained				--
Describe any problems on the applicable water source, and enhancement in water efficiency and results obtained	None			--
NA, omitted				--
Describe the significant impact of operational activities on the environment and natural resources and the actions taken to manage the impact	The company carried out standard site construction of energy saving and emission reduction, which has become the normal state. Centering on the "four savings and one environmental protection", the company carried out standard site construction activities in energy saving and emission reduction which played a huge promotion role on the project energy saving and consumption reduction as well as energy efficiency so as to effectively enhance energy utilization efficiency and reduce the total energy consumption. According to the requirements of "CREC Interim Measures for Promotion and Management of Energy-saving and Low-carbon Technologies" (hereinafter referred to as the Measures), through strict review, 8 technologies including "CREC No.3 Technology of Energy Saving and Consumption Reduction in Subgrade Continuous Rolling in Large Earthworks" was classified as "CREC Key Energy Saving and Low-carbon Technology", and was listed into the stock company directory database for key energy-saving and low-carbon technologies.			





1 2016

2

" "

3

3.4

1

755

6900

80%



## 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 construction site whose ecology is liable to be disturbed, it carried out 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 process, CREC increased the investment in ecological protection, applied environmental protection equipment, improved ecological construction process and optimized construction program, thus reducing 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.

Information 1: In 2016, CREC No.5 undertook construction tasks of major projects including Menghua Railway where Yangshao culture is located, Jinan-Qingdao Railway where a large number of Warring States relics are located, Badaling station of Beijing-Zhangjiakou high-speed rail located in Badaling Great Wall. They made pre-arranged planning in advance in the construction, actively cooperated with the cultural relics management departments, and always carried out both cultural relics protection and construction. By improving the construction process and other methods, it successfully protected the cultural relics.

Information 2: China Railway Consulting adheres to implementing environmental protection concept from design source to construct green railways. In railway line selection and site selection program, it takes natural reserves, scenic spots, water conservation areas, cultural relics protection units and other ecological sensitive areas as important factors for comparison, and tries to avoid these areas to the greatest extent. In high-speed rail design, it maximized plants protection to the subgrade slope. In railway station design, it applied energy conservation and environmental protection concept and new technologies, new materials to control the infiltration air. Moreover, it optimized the natural lighting design, applied ground source heat pump technology and solar photovoltaic power generation system, and made great efforts to make the station become a national green project.

Information 3: In China Railway International Eco-City project, the company invested a total of nearly RMB 340 million Yuan in scientific renovation to the rocky desertification area within the region. Up to now, it has completed artificial forest grass and vegetation planting of over 10,000 square meters, with 7.55 million planting seedlings accumulatively. It has restored vegetation area of more than 6900 mu, and 80% of the rocky desertification land within the region has been effectively managed.

Disaster Relief

Assistance for the Poor

Community Service



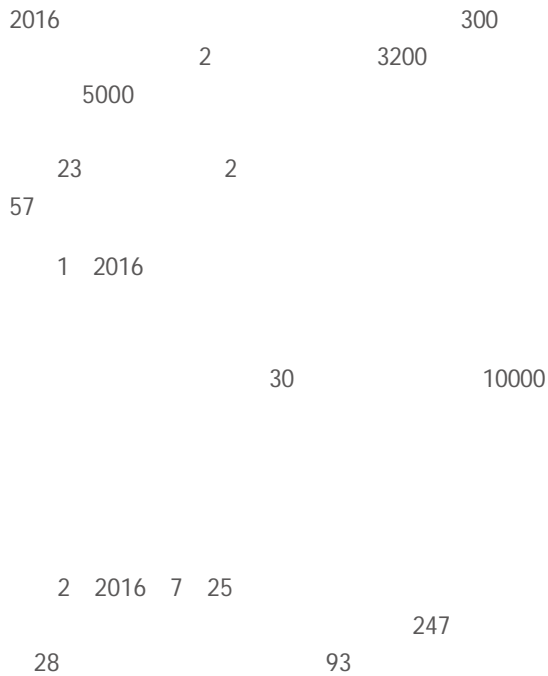
## Disaster Relief

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 2016, 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 3200 sets of equipment and nearly RMB 50 million Yuan of investment. CREC established three national tunnel professional emergency rescue teams in Kunming, Guiyang, and Xi'an, and has participated in emergency rescue response for 23 times, including twice earthquake reliefs, and has successfully rescued 57 trapped persons.

Information 1: In 2016, there were severe flood disasters in many areas around China. CREC Party Committee issued a call to the whole company, and gave full play to the advantages of a leading construction enterprise in organization, personnel, machinery and technology, and actively participated in flood-fighting and emergency rescues. The whole company quickly mobilized more than 10,000 professionals from more than 30 units and a large number of mechanical equipment, emergency supplies, and set up many flood fighting and rescue commandos to participate in river embankment protection, dam breach blocking, urban drainage, urgent highway and railway repair and personnel evacuation, material rush transport and other rescues in all disaster areas.

Information 2: On July 25, 2016, Beijing-Harbin railway subgrade slope occurred collapse and landslides due to the heavy rain. CREC No.9 rapidly organized 247 persons, machinery and equipment, 28 tool vehicles and a large number of emergency supplies to complete urgent line repair tasks in 93 hours to ensure the driving safety of Beijing-Harbin railway line.





## Assistance for the Poor

34	2002	According to the State Council Poverty Alleviation Office and other relevant ministries, CREC began to participate in poverty alleviation work since 2002, more than 10 years, don't forget the heart, remember our mission, always from the actual needs of the local people to carry out targeted assistance work. Since entering the capital market CREC focus on poverty alleviation and poverty alleviation, has sent 34 people to the designated helping cadres Guidong County in Hunan Province, Rucheng County, deputy magistrate of Baode County of Shanxi Province attachment, to improve the poverty alleviation County of basic education facilities, school to help students from poor families, focus on poverty alleviation in 13 schools the teaching building, dormitory, canteen, stadium renovation and expansion.
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## Community Service

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 2016, the whole company totally set up more than 900 volunteer service teams which offered volunteer services for 21,000 person-times, and carried out various volunteer service activities for over 1800 times. It vigorously carried forward the social morality, and actively built a harmonious society. CREC No.4 "small migratory bird" happy tour program and "road builder" volunteer service program won gold and silver awards in the 3<sup>rd</sup> Chinese youth volunteer service program competition in care for peasant workers' children.

In 2016, the whole company donated the fund of more than RMB 10 million Yuan for education, helped nearly 8600 students, and supported educational institutions with more than RMB 30 million Yuan; it invested over RMB 80 million Yuan to other public welfare undertakings.

Information 1: In 2016 G20 Summit period, CREC No.2 organized 9 young employees to form a "small pioneer" volunteer team, and carried out 11 days of volunteer service activities in Wenze Road of Hangzhou. They performed all-weather 24-hour uninterrupted patrol in four shifts, and took charge of Wenze Road safety and sanitation work to ensure the safe operation of Wenze Road Station.

Information 2: Menghua Railway project department of CREC No.10 insisted on enterprise and local resident co-building. They build water towers for Ansailiang Village of Yan'an City to solve the "drinking water problem" for the local people, and they built hardening roads for Mengta Village to solve the "travel problem" for the local people. In addition, they organized donation activity with the theme as "Delivering warm to the people in old revolutionary base areas" and raised the donation of more than RMB 200,000 Yuan which were all used for improvement of local people's life in dignity.

Information 3: In the development of China Railway International Eco-City project, China Railway Culture and Tourism Investment Group actively helped the local people solve the employment problem, and cooperated with the local government to extensively carried out land-lost farmers employment training and self-employment encouragement works. Up to now, it has offered more than 15,000 jobs to help local people's per capita annual income be 10 times as high as that before the project launch.

Strengthening Strategic Cooperation

Promotion of Industrial Cooperation

Construction Project Cooperation





2016

## 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, funds 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 2016, the company made full use of advantages in funds, technology, management and personnel, and carried out a wide range of strategic cooperation with local governments in Zhejiang Province, Henan Province, Shaanxi Province, Qinghai Province, Hangzhou, Wuhan, Changchun, Guiyang, Yichang, Mianyang, Ordos, Shaoxing, Baotou, Heze, Baoji, Heyuan, Nanyang, Hunan Xiangjiang River New District, etc.

## Promotion of Industrial Cooperation

2016

In 2016, the company actively pushed forward industrial cooperation in high-speed rail, infrastructure construction, financial service and building materials. In the field of high-speed rail construction, the company carried out strategic cooperation in talent cultivation and technology sharing with Beijing Jiaotong University, East China Jiaotong University and other colleges and universities; in addition, it established strategic cooperation relationship with Chinese electronics and other industrial chain-related enterprises to jointly promote China's high-speed rail development. In infrastructure construction field, the company carried out strategic cooperation with large-scale corporates such as Fuzhou Metro, Shandong Hi-speed Group and Tangshan Jingtang Railway Company to actively take part in domestic infrastructure investment and construction. In financial service field, the company actively carried out cooperation with BRICS New Development Bank, China Government and Enterprise Cooperation Investment Funds and Everbright Securities to innovate investment and financing mode and set up complete business chains. In the cooperation with suppliers, it carried out multi-aspect deep-level cooperation with a variety of suppliers in product development, technological innovation, product optimization, resource integration, information sharing and other aspects to achieve a harmonious win-win situation and value sharing. In 2016, it signed strategic procurement framework agreements with a total of 129 suppliers to provide a strong guarantee for project quality. At the same time, we also continue to strengthen

129

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## Construction Project Cooperation

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In 2016, CREC conducted project cooperation with many domestic and abroad corporates, especially it achieved important breakthrough in ppp mode. The company won the biddings for Guangzhou City center underground integrated corridor, Shaanxi Suide-Yanchuan Expressway and other ppp projects jointly with a number of third party companies. During the implementation of national strategies including "One-Belt-One-Road" and "China high-speed rail going out", it cooperated with related enterprises to boost Hungary-Serbia railway, Malaysia Gemas-Johor Bahru dual-line electrified railway, Indonesia Jakarta-Bandung high-speed rail and other overseas major projects.

Information 1: On October 5, 2016, the first African electrified railway, Addis Ababa-Djibouti Railway which was constructed by CREC and many enterprises, was officially put into operation. Addis Ababa-Djibouti Railway is a whole industry chain cross-border electrified railway project from investment and financing to operation. It is the first overseas cross-border electrified railway project of whole industry chain and whole-process Chinese style integrating investment and financing, design and construction, major equipment materials, supervision, locomotive and operation. This project adopts all Chinese standards, having an important demonstration significance for Chinese railway standards to go out.

Information 2: On November 5, 2016, at the China-Central and Eastern European Leaders' Summit, the Sino-Hungarian Railway Non-Profit Co., Ltd., jointly established by CREC and other Chinese and Hungarian enterprises, signed a construction contract with Hungarian National Railway Company on the construction of Hungarian section of Hungary-Serbia Railway. This marked the Hungary-Serbia Railway project cooperated by China, Hungary and Serbia was into the implementation stage, and China's railway technology and equipment will enter European market for the first time.



Global Development

Global Service

Global Public Welfare







## Global Service

EPC+F	"	"	
	"	"	80%
			15.5
900	47.3		

The company gave a full play to its advantages of the whole industry chain and adopted EPC+F mode of design, procurement, construction and financing to provide the owners with all-round services from investment, survey and design, construction to operation and maintenance, and actively promoted China's railway technical standards, equipment and operation "going out". In terms of design, the company understood the needs of owners, carried out planning and design, initiatively conducted preliminary work to promote project construction. The company has won the bidding to undertake the survey and design tasks of Russian Moscow-Kazan high-speed rail and feasibility study task of South America "Pacific-Atlantic Railway", and the overseas engineering design projects it participated in accounted for more than 80% of Chinese enterprises. In terms of equipment procurement, in addition to the export of equipment products represented by shield equipment and turnout junction, it actively relied on China's high-speed rail "going out" projects, and further stimulated the export of domestic machinery and equipment, locomotives and rolling stock, materials and equipment and even service training. In the construction technology, the company won the bidding of about USD 1.55 billion for Bangladesh Padma Bridge project which adopts Chinese standards. It is the largest overseas bridge project constructed by Chinese enterprises, whose construction difficulty and technical level reached the top of the world. For the construction of Uzbekistan Angren-Pop railway tunnel project, it took only 900 days to complete the excavation of 47.3 km in total length, creating a new record of overseas tunnel construction. In operation and maintenance, the projects represented by Ethiopia Addis Ababa-Djibouti Railway and Addis Ababa Light Rail were constructed in accordance with Chinese technical standards, whose operation management will be undertaken by CREC and other Chinese enterprises.



2016 " " 2 20

3 2016 " " 100

1 2016 3

529 18 11 9 16



## Global Public Welfare

CREC insisted on the idea of "offering high-quality project and benefiting host country", and completed overseas major livelihood projects in 2016 including Tanzania Jiganboni Bridge, Uzbekistan Angren-Pop railway tunnel, Ethiopia Addis Ababa-Djibouti railway, thus greatly enhancing the local transportation capability, improving the people's living conditions, and boosting the local economic prosperity and development.

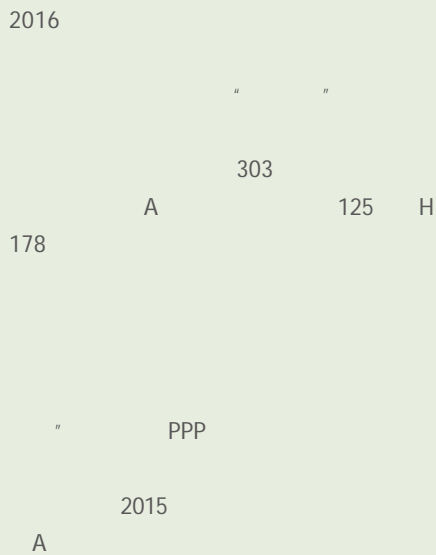
The company actively participated in community construction in the country where the project is located. It encouraged the staff to volunteer to serve the local society, enthusiastically participated in charity, donation and other social welfare undertakings, and concerned and supported education, culture, health and other public welfare undertakings. In the event of major natural disasters and emergencies, the company actively provided financial, material and human support and assistance.

Information 1: In March 2016, large-scale yellow fever outbreak occurred in Angola. CREC No.4 Angola construction site hospital cooperated with Chinese Ministry of Commerce, AQSIQ (General Administration of Quality Supervision, Inspection and Quarantine) and Embassy in Angola to do all the epidemic prevention and treatment works. They cumulatively cured 18 patients with yellow fever, completed 9 suspected cases detection, and inoculated yellow fever vaccine for 529 people. On November 16, CREC No.4 Angola Hospital officially became the first overseas infectious disease quarantine inspection work site set up by AQSIQ.

Information 2: CRTG Angren-Pop Railway Tunnel Project Department invested RMB 200,000 Yuan to donate basketball courts, bathrooms and other facilities to three schools in Namangan Province near the tunnel construction site, and donated a large number of desks and chairs as well as teaching equipment, and received consistent praise by Uzbekistan government and the media.

Information 3: In 2016, Sino-Congo Mines Company of China Railway Resources Group continued to carry out the construction of "harmonious community" around the Congo (Kinshasa) mine, with a total investment of nearly USD 1 million for the construction of public welfare projects in the whole year, which mainly included repairing the roads of Kabada and Moosonuo villages, adding drinking water points in Kabada village and repairing water pumps, Kolwezi lighting project, high-resolution satellite map and other public welfare projects. In addition, the company specially set up a Congo clinic and hired local professional medical staff, thus solving the problem of seeing a doctor for Congo staff and the surrounding villagers.

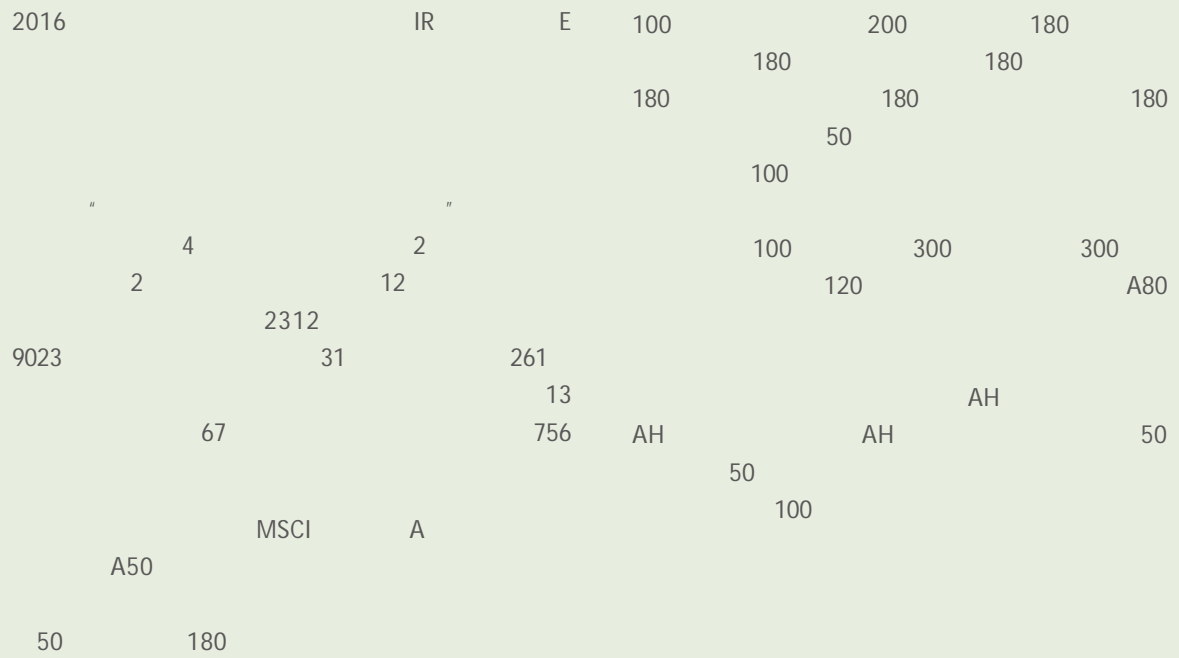
## Open CREC



## Normative Information Disclosure

In 2016, 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 303 notices and circulars which reached a new high in quantity of notice document, including 125 A-Share notices and 178 H-Share notices and circulars (in Chinese and English), 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 and PPP mode business operations. There was no false record, misleading statement or big misstatement in the full year. Its information disclosure work in 2015 was rated as A by Shanghai Stock Exchange (SSE), i.e. excellent information disclosure. 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.









## 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 2016, 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 100,000 pieces of information.

2016

100000



## Characteristic Corporate Media

2016

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500

In 2016, the company continued to strengthen the daily management and operation of corporate newspapers, websites, microblog, WeChat and other media, on the basis of which, it launched CREC new official website. CREC official WeChat won "The Most Influential Central Enterprise News Media Award", "The Most Influential Top 500 Companies" News Media Award, Tencent Most Valuable Enterprise Award and other honors.

2016

In 2016, the company actively participated in the CCTV feature program production, and received overwhelming response after broadcast, including Great Craftsman in Big Country, Chinese World, Community of Common Destiny, Homeland Dreamland, China's Mega Project, China Railway High-speed Rail, etc.; it launched a series of cultural works such as "The Most Beautiful Happiness", "Golden Road Impression - CREC Excellent Photography Collection", "Thriving Enterprise By Culture".



2016		500	57
	ENR	250	
2	250	20	
500	296		
		20	
100			
2016	1		7
		20	
13	"	"	24
	1		
7		161	
		"	
"		"	
"	"	"	

In 2016, the company ranked No.57 in "Fortune" Global 500 Companies, No.2 in "Engineering News Record (ENR)" 250 Global Largest Engineering Contractors, No.20 in 50 Global Largest International Engineering Contractors, No.296 in Top 500 World's Brands. In addition, it has won the best overseas image business award in Central and Eastern Europe, top 20 in the best practice of board of supervisors of listed companies, Tianma Award - the Best Board of Directors, Tencent Ji'an Diamond Award, the Best Board of Directors, Top 100 Overall Performance and many other awards.

In 2016, one collective of CREC won the National May 1 Labor Certificate of Merit, 7 collectives won the title of National Workers Pioneer, 20 collectives were awarded "Locomotive Cup", 13 collectives were awarded National "Ankang Cup" Contest Winning Collectives,



2017

2017

In 2017, CREC will take "seizing historical opportunity to promote sound and rapid development of enterprise" as the overall work spirit, closely center on "comprehensive strengthening of Party self-discipline, deepening of quality and efficiency improvement" to further deepen the enterprise reform, improve the market management, promote scientific management, highlight innovation-driven development, and effectively enhance the development quality and competitiveness, and will strive to open up new prospects for sustained and healthy development.

In 2017, 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 in order to promote the development and progress of the whole society!



2016

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010-51878413                      100039  
010-51878417                      ir@crec.cn  
www.crec.cn

## Readers' Feedback

Thanks for your reading the social responsibility report of 2016 China Railway Group Limited in your busy schedule.

There are inevitable laws 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.

Address: China Railway Group Limited Building, 69 Fuxing Road, Haidian District, Beijing.

Telephone: 010-51878413    Postal code: 100039

Fax: 010-51878417            E-mail: ir@crec.cn

Website: www.crec.cn

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