

Recruitment of China Coal Technology & Engineering  
Group (CCTEG) Central Research Institute

No.	Division	Research Direction	Position	Vacancies	Job Responsibilities	Job Requirements
1	Research Institution of Emergency Science	Safety Risk Control Technology	Chief Scientist	1	<ol style="list-style-type: none"> <li>1. Responsible for conducting research on safety risk assessment theory and method;</li> <li>2. Responsible for the development and implementation of core technologies for safety risk control;</li> <li>3. Track and master the development of cutting-edge technology in this field;</li> <li>4. Take the lead in organizing the application of various technology projects in our direction;</li> <li>5. Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Candidates for national, provincial and ministerial talent programs;</li> <li>2. The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>3. Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>4. Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>5. Academic leader of well-known overseas research institutions;</li> <li>6. Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>7. Under the age of 50 and the condition can be appropriately relaxed for excellent people.</li> </ol>
			Senior Researcher	4	Engage in research and application of the theoretical research on safety and risk perception, prejudgment, simulation, prediction and evaluation, quantitative evaluation of the danger and vulnerability of major disasters, accurate risk prevention and control theory and method study, quantitative evaluation technology of major hazard sources and comprehensive hidden danger risks, disaster accident risk ranking technology, safety risk management and control technology, etc.	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities undergraduate engineering, with a doctorate;</li> <li>2. Major or work in disaster prevention, and protection engineering, emergency management, safety technology and engineering, fire engineering, chemical engineering safety, oil-gas storage and transportation engineering, mathematics, etc.;</li> <li>3. It is preferred to have experience in overseas famous universities and colleges;</li> <li>4. Under the age of 40 and the condition can be appropriately relaxed for excellent people.</li> </ol>
		Disaster Monitoring, Early warning, Prevention and control technology	Chief Scientist	1	<ol style="list-style-type: none"> <li>1. Responsible for conducting research on disaster monitoring, early warning, prevention and control technology theory and method</li> <li>2. Responsible for the development and implementation of core technologies for disaster monitoring, early warning, prevention and control technology;</li> <li>3. Track and master the development of cutting-edge technology in this field;</li> <li>4. Take the lead in organizing the application of various technology planning projects;</li> <li>5. Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Candidates for national, provincial and ministerial talent programs;</li> <li>2. The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>3. Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>4. Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>5. Academic leader of well-known overseas research institutions;</li> <li>6. Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>7. Under the age of 50 and the condition can be appropriately relaxed for excellent people..</li> </ol>

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		Emergency Rescue Technology and Equipment	Senior Researcher	3	Engage in research and application of intelligent sensing technology of disasters, human-machine-ring multi-source information collaborative acquisition technology, prejudgment technology of clinical conditions of disaster transformation, intelligent monitoring and prediction early warning technology, emergency monitoring and early warning technique of disaster situations, accurate prevention and control technology and equipment of major disaster accidents, etc.	<ol style="list-style-type: none"> <li>"Double-First Class" construction of colleges and universities undergraduate engineering, with a doctorate;</li> <li>Major or work in safety technology and engineering, mechanical engineering, technique and instrumentation of measurements and instruments, electronic information, automation, big data, software engineering, etc.;</li> <li>It is preferred to have experience in overseas famous universities and colleges;</li> <li>Under the age of 40 and the condition can be appropriately relaxed for excellent people..</li> </ol>
			Chief Scientist	1	<ol style="list-style-type: none"> <li>Responsible for conducting relevant basic research on emergency rescue technology and equipment;</li> <li>Responsible for the development and implementation of core technologies for emergency rescue technology and equipment;</li> <li>Track and master the development of cutting-edge technology in this field;</li> <li>Take the lead in organizing the application of various technology planning projects;</li> <li>Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>Candidates for national, provincial and ministerial talent programs;</li> <li>The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>Academic leader of well-known overseas research institutions;</li> <li>Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>Under the age of 50 and the condition can be appropriately relaxed for excellent people.</li> </ol>
			Senior Researcher	5	Engage in research and application of intelligent decision-making theory and technology for major disaster accidents, emergency rescue disposal technology, emergency communication safeguard technology, accurate rescue technology of personnel, dedicated equipment of emergency rescue, rescue workers' safety and occupational health safeguard technology, etc..	<ol style="list-style-type: none"> <li>"Double-First Class" construction of colleges and universities undergraduate engineering, with a doctorate;</li> <li>Major or work in safety technology and engineering, emergency rescue, mechanical engineering, technique and instrumentation of measurements, electronic information, communications engineering, automation, robot software engineering, etc.;</li> <li>It is preferred to have experience in overseas famous universities and colleges;</li> <li>Under the age of 40 and the condition can be appropriately relaxed for excellent people..</li> </ol>
2	Research Institute of Underground Deep Mining and Rock Burst	Deep Mining Research	Chief Scientist	1	<ol style="list-style-type: none"> <li>Responsible for conducting research on deep mining theory and method;</li> <li>Responsible for the development and implementation of core technologies for deep mining;</li> <li>Track and master the development of cutting-edge technology in this field;</li> <li>Take the lead in organizing the application of various technology planning projects;</li> <li>Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>Candidates for national, provincial and ministerial talent programs;</li> <li>The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>Academic leader of well-known overseas research institutions;</li> <li>Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>Under the age of 50 and the condition can be appropriately relaxed for excellent people.</li> </ol>

No.	Division	Research Direction	Position	Vacancies	Job Responsibilities	Job Requirements
			Senior Researcher	4	Engaged in the study of space-time evolution laws among three fields, and researching theories and technologies of the roadway surrounding rock control in deep mining; Researching mining methods and technologies in deep mining; Researching prospective and subversive technologies under the exploration and development in deep coal resources.	<ol style="list-style-type: none"> <li>"Double-First Class" construction of colleges and universities undergraduate engineering, with a doctorate; and the condition can be appropriately relaxed for excellent people;</li> <li>Major or work in mining engineering or other related major;</li> <li>It is preferred to obtain the title of talents in the industry or above, obtained the first three winners of the provincial first prize and has overseas research experiments;</li> <li>Under the age of 40 and the condition can be appropriately relaxed for excellent people.</li> </ol>
		Rock Burst Research	Chief Scientist	1	<ol style="list-style-type: none"> <li>Responsible for conducting research on rock burst research theory and method;</li> <li>Responsible for the development and implementation of core technologies for rock burst research;</li> <li>Track and master the development of cutting-edge technology in this field;</li> <li>Take the lead in organizing the application of various technology planning projects;</li> <li>Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>Candidates for national, provincial and ministerial talent programs;</li> <li>The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>Academic leader of well-known overseas research institutions;</li> <li>Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>Under the age of 50 and the condition can be appropriately relaxed for excellent people.</li> </ol>
			Senior Researcher	4	Engage in research of disaster mechanism and prevention and control theory of rock burst in deep mining; Research and development of cutting-edge technologies and key equipment such as risk assessment, monitoring and early warning, intelligent prevention and control, and emergency response; Construction, operation and maintenance of rock burst monitoring and early warning cloud platform.	<ol style="list-style-type: none"> <li>"Double-First Class" construction of colleges and universities undergraduate engineering, with a doctorate; and the condition can be appropriately relaxed for excellent people;</li> <li>Major in mining engineering, rock mechanics, engineering mechanics, basic mathematics or applied mathematics and have research foundation;</li> <li>It is preferred to obtain the title of talents in the industry or above, obtained the first three winners of the provincial first prize and has overseas research experiments;</li> <li>Under the age of 40 and the condition can be appropriately relaxed for excellent people.</li> </ol>

No.	Division	Research Direction	Position	Vacancies	Job Responsibilities	Job Requirements
3	Research Institute of Smart Mine	Smart Mine Research	Chief Scientist	2	<ol style="list-style-type: none"> <li>1. Responsible for the design of smart mine system framework;</li> <li>2. Responsible for research of single machine performance, reliability and intelligent level of coal machine equipment to improve technical level;</li> <li>3. Responsible for R&amp;D of the core technology of intelligent mine;</li> <li>4. Responsible for innovated equipment R&amp;D and trial production, such as mine robots and production line robots;</li> <li>5. Track and master the development of cutting-edge technology in this field</li> <li>6. Take the lead in organizing application of various technology projects;</li> <li>7. Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Candidates for national, provincial and ministerial talent programs;</li> <li>2. The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>3. Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>4. Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>5. Academic leader of well-known overseas research institutions;</li> <li>6. Technical leader of large and middle-sized enterprise groups; (One of the above conditions is enough.)</li> <li>7. Under the age of 50 and the condition can be appropriately relaxed for excellent people.</li> </ol>
			Senior Researcher	8	Engage in research and trial production of key components of coal machine equipments, high-end materials, advanced manufacturing technology, intelligent production lines, mine robots and production line robots, etc.	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above;</li> <li>2. Major or work in mechanical manufacturing, metallurgical engineering, material science engineering, automation control, instruments and apparatus, electric engineering, etc.;</li> <li>3. It is preferred to have experience in mining industry;</li> <li>4. It is preferred to have experience in overseas famous universities, colleges and enterprises;</li> <li>5. Under the age of 40 and the condition can be appropriately relaxed for excellent people..</li> </ol>
4	Research Institute of Mine Big Data	Research of Mine Internet Big Data	Chief Scientist	2	<ol style="list-style-type: none"> <li>1. Responsible for research of mine internet infrastructure;</li> <li>2. Responsible for big data platform construction in the coal industry;</li> <li>3. Responsible for research of big data analysis mining technology;</li> <li>4. Take the lead in organizing the application of various technology projects;</li> <li>5. Responsible for team building and technical talent cultivation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Candidates for national, provincial and ministerial talent programs;</li> <li>2. The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>3. Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>4. Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>5. Academic leader of well-known overseas research institutions;</li> <li>6. Information construction principal of large and middle-sized coal group; (One of the above conditions is enough.)</li> <li>7. Under the age of 50 and the condition can be appropriately relaxed for excellent people..</li> </ol>
			Senior Researcher	8	Engage in R&D work in smart mine operation platform, intelligent operation and maintenance service system, micro-service components, industrial data modeling and analysis, industrial big data and digital twinborn, mine system CPS, mine Internet of Things and picture processing, etc..	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above.;</li> <li>2. Major or work in electronic information, communication engineering, software engineering, mathematics, etc.;</li> <li>3. It is preferred to have experience in overseas famous universities, colleges and enterprises;</li> <li>4. Under the age of 40 and the condition can be appropriately relaxed for excellent people..</li> </ol>

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5	Science and Technology Support Center	\	Standard and Data Center	3	<ol style="list-style-type: none"> <li>1. Technical standard system construction and implementation management of the group;</li> <li>2. Work at secretariat of technical committee for standardization in the group;</li> <li>3. Scientific resource data center construction, operation and maintenance management of the group;</li> <li>4. Scientific management information system data management of the group.</li> </ol>	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above;</li> <li>2. Major or work in geology, mining, electromechanical, coal chemical industry, informatization, software and other specialties;</li> <li>3. More than 2 years of research management or research experience;</li> <li>4. Know well with related policies of national science and technology plan projects, and national or industrial technical standard;</li> <li>5. Under the age of 35 and the condition can be appropriately relaxed for excellent people.</li> </ol>
		\	Construction of Mass Entrepreneurship and Innovation Platform	3	<ol style="list-style-type: none"> <li>1. Relevant system implementation and management of "Dual Innovation" in the group;</li> <li>2. Construction, operation and maintenance management of "Double Innovation" platform system in the group;</li> <li>3. Supervision and management of scientific achievements in the group;</li> <li>4. Cohesion and analysis of market technological demands;</li> <li>5. Scientific research condition platform management of the group.</li> </ol>	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above;</li> <li>2. Major or work in geology, mining, electromechanical, coal chemical and other specialties;</li> <li>3. More than 2 years of research management or research experience;</li> <li>4. Know well with national science and technology plan project policies;</li> <li>5. Under the age of 35 and the condition can be appropriately relaxed for excellent people.</li> </ol>
		\	Scientific Research Project Supervision Center	3	<ol style="list-style-type: none"> <li>1. Implementation process monitoring and management for longitudinal scientific projects;</li> <li>2. Special fund project enforcement and process management of the group;</li> <li>3. Scientific research expense monitoring management of the longitudinal scientific projects and special fund projects of the group;</li> <li>4. Post-evaluation of research projects;</li> <li>5. Propaganda of scientific management policy measures;</li> <li>6. Other relevant work of scientific project management.</li> </ol>	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above;</li> <li>2. Major or work in geology, mining, electromechanical, coal chemical, economy, and other specialties;</li> <li>3. More than 2 years of research management or research experience;</li> <li>4. Know well with national science and technology plan project policies;</li> <li>5. Under the age of 35 and the condition can be appropriately relaxed for excellent people.</li> </ol>

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6	Research Institute of Land Reclamation and Ecological Restoration	Land Reclamation and Ecological Restoration	Chief Scientist	2	<ol style="list-style-type: none"> <li>1. Theory research of soil protection and ecological restoration;</li> <li>2. Technology research and development of soil protection and ecological restoration;</li> <li>3. Technology monitoring of this field of research;</li> <li>4. Take the lead in organizing the application of various technology projects;;</li> <li>5. Team building and talents development.</li> </ol>	<ol style="list-style-type: none"> <li>1. Candidates for national, provincial and ministerial talent programs;</li> <li>2. The second-grade and third-grade professors of "Double-First Class" construction in universities and disciplines;</li> <li>3. Director of laboratories or platforms at or above the provincial and ministerial level;</li> <li>4. Top 10 of national technology awards or top 3 of provincial and ministerial science and technology awards;</li> <li>5. Academic leader of well-known overseas research institutions;</li> <li>6. Research principal of large and middle-sized coalmine enterprise;</li> <li>(At lease one of the above requirement should be meet)</li> <li>7. Under the age of 50 and the condition can be appropriately relaxed for excellent people..</li> </ol>
			Senior Researcher	4	Engage in geological disaster prevention, coalmine land destruction and restoration, opencast coalmine disaster prevention and related research of this field.	<ol style="list-style-type: none"> <li>1. "Double-First Class" construction of colleges and universities postgraduate engineering, with a master degree or above</li> <li>2. Major or work in geological disaster prevention, coalmine land destruction of ecological restoration, etc.;</li> <li>3. It is preferred to have experience in overseas famous universities, colleges and enterprises;</li> <li>4. Under the age of 40 and the condition can be appropriately relaxed for excellent people..</li> </ol>