<<2007中国>>

图书基本信息

书名：<<2007中国>>

13位ISBN编号：9787030216274

10位ISBN编号：703021627X

出版时间：2008-1

出版时间：科学出版社

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页数：414

内容概要

Huainan Mining Group Co. Ltd. locates in the interior of economically developed regions in north central Anhui province, east China. It has advantageous location and convenient transportation. Huainan coat mine area is about 100 km long, 30 km wide, and about 3 000 km2,its coal reserves is 50.1 billion tons, and reserve of gas is 592.8 billion m3. It is the typical coal mine area in our country whose gas content is high, permeability for gas is low, coal seam is soft and geological conditions are complex, thus the gas accidents were common. Before 1998, the gas drainage volume was only 5 200 000 m3 per year due to the low efficiency of gas drainage. In order to change this bad situation, Huainan Mining Group united with China University of Mining & Technology and China Coal Research Institute to tackle the key problem of gas control from 1998, and set up an integrated technical system to control gas. The gas drainage volume of 2006 was 173 million m3; the output of raw coal was 33 830 000 t, and the death rate per million tons of coal reduced to 0.18. So far, there are 38 000 domestic gas users in Huainan Mining Group. The total reserve of gas is 200 000 m3, and the gas power installation capacity is 32 000 kW. The gas control conceptions of "mining the protective layer when possible, trying to drain gas when ought to, draining before mining" and "expanding money input, appreciating the utilization and promoting draining by using" were quoted by 50 tips on coal mine gas control. Recently, Huainan Mining Group associates many research institutes and enterprises from Germany, Australia and Japan to promote the international exchange and cooperation actively, and conduct the research and development work in the aspect of gas control and utilization.

书籍目录

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