

GEOLOGICAL-ECONOMIC AND MINE-TECHNICAL EVALUATION OF THE DEPOSITS OF METAL MINERAL RESOURCES IN BULGARIA DURING THE TRANSITION PERIOD FROM PLANNED TO MARKET ECONOMY

1SHOUSHOULOV, G. N. 2YOSIFOV, D. S. 3SHOUSHOULOVA, I. L. 1Niproruda JSCo, Sofia, Bulgaria, 2Scientific and Technical Union of Mining and Geology, Sofia, 3University of Mining and Geology, Sofia

The new economic conditions in Bulgaria impose a new kind of requirements towards all processes of the production chain: mineral resources - end products, with an accent on the most efficient usage of the minerals. The full provision with resources and mining facilities is of prime importance for the whole process. The geological features of the deposits established after a considerable amount of geological and investigating works, are considered to be the main factor for the determination of the methods for the realization of technically expedient and economically efficient mining activities. At the basis of an analysis of the data of the geological and metal genesis studies, several different by their genesis and content deposits of metal mineral resources have been proven to exist in the country. The report treats the potentialities and the real-practice possibilities for an efficient exploitation of the deposits of non-ferrous, precious and ferrous metals. It has been established that almost all deposits of metal mineral resources feature a low concentration of useful components in the ores. The above-mentioned feature may question the expediency of the mining of a great deal of the deposits in the present economic situation of free market. The second important feature at this stage is the necessity to evaluate all over again the capacities of the deposits, accordingly to the new conditions. On the basis of the mine-technical and geological-economic evaluation of the ore deposits in Bulgaria conclusions of prime importance for the mining industry in the forthcoming 10 to 15 years have been included.