

THE USE OF INDEX «THE REDUCED COSTS» OVER AS A CRITERION OF ECONOMIC EFFICIENCY OF WORK OF A TRANSPORT SYSTEM OF ORE MINING AND PROCESSING COMBINE

The article examines the use of index the «brought expenses» of the portage of mining mass as a criterion of economic efficiency of transport system work of an ore mining and processing combine. In conditions of market economy for formation of economic and mathematical model it is necessary to take into account the following:

—There is a tendency of increase of value of index of inflation in Ukraine in the period of 2001-2012:

—The annual normative coefficient of efficiency of capital investments settles as a sum of the norm of discounting and coefficient of renovation. A discount of capital investments factor is equal to the lending rate of the National bank of Ukraine;

—a level of border specific expenses on a portage (possible prime price) is the criterion of economic efficiency of dump-trucks exploitation of and determined in accordance to the cost of eventual products produced by an enterprise;

—the prime cost of portage consists of charges on a salary for the drivers, fuel-lubricating materials, tires, prophylactic service and repair service, depreciation decrees, overhead costs and ecological constituent;

—the dynamic method of estimation of expenses and results due to the factor of time is used for determination of border rate of profitability of investments.

This economic and mathematical model allows us to estimate the economic efficiency of functioning of a transport system of ore mining and processing combine.