

عنوان مقاله:

A new laboratory model to determine the grindability SAG mill feed of Sarcheshmeh Copper Complex

محل انتشار:

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خلاصه مقاله:

SAG mills tend to use in the industry due to lower energy consumption is increasingly enhanced. Only a small percentage of the energy consumed by the grinding, However grinding in SAG mill is depended on many factors such as hardness, size and shape of feed and ball. Therefore, the achievement of the above factors and energy consumption is of particular importance. One of the factors that are usually difficult to measure in SAG mill, is determination of the feed grindability and size distribution continuously. If you achieve a fast and convenient way to determine these parameters can be found the proper relationship between energy and the above parameters. In this research a new experimental method has been derived based on real SAG mill charge condition for feed crushing energy in terms of ore hardness, size and geometry. Given that the previous methods to measure the grindability, such as: (drop Weight test, bond work index, SPI), Has limitations, such as the long-term tests, not actual collision conditions, lack of feed size and geometry, costly due to the large volume of samples, respectively. At the present work, a new drop weight test instrument with special feature has been designed and fabricated, which have not above restrictions, and the results agree well with the results of existing methods

کلمات کلیدی:

SAG mill, grindability feed, drop Weight test

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