



EVALUATION OF HEMATITE ORE BY MAGNETIC ROASTING AND PELLETIZING

Divriği Hematit Cevherinin Manyetik Kavrurma ve Peletleme ile Değerlendirilmesi

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ABSTRACT

High intensity magnetic separation of hematite ores is a well-known but an expensive method. In comparison with this traditional method, magnetic concentration of magnetite ore formed after magnetic roasting of hematite has been an alternative and reasonable process. Utilization of this process would be more economical than the traditional type and therefore, it has been preferred recently. In this process, the aim of the roasting is to increase the magnetic susceptibility of hematite and thus make it recoverable by a low intensity magnetic separator. Divriği Hematite ore having 47.06% Fe of grade was recovered with an efficiency of 91.23% and the grade was increased to a level of 62.26% Fe. Using the magnetic product obtained in this process, pellet production suitable for the industry was achieved

ÖZET

Hematit cevherlerinin yüksek alan şiddetli manyetik ayırıcılarda zenginleştirilmesi bilinen bir yöntem olmasına rağmen maliyeti yüksektir. Bu cevherlerin manyetik kavrurma ile manyetit cevherlerine dönüştürülerek düşük alan şiddetli manyetik ayırıcılarda zenginleştiril-

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