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Email:Am_zolfigol@yahoo.com

Email:aria_marble@yahoo.com

I.P.C Control Analysis In Sarcheshmeh Copper Mine (In Pit Crusher)

Amir Zolfigol؛ Aria Samimi

Abstract

According to the end of the primary project of the extraction in the sarcheshme copper mine & the need to perform the development project in this mine, the rate of ore & waste production & the final pit limit are increased. The increase of the mine depth makes the transportation ways longer & increase the transportation time, by doing these the number of trucks is increased. So with considering the situation the mine's transportation system must evaluate carefully.

Analyzing transportation systems & comparison between them & mine situation shows that truck & belt transportation systems are the only useable systems in sarcheshme.

For the using of the belt conveyor, all the belt systems are studied & for the reason of limitation in the size of the transportable materials with belt & the need for crushing the stone to transportable size, all the crushing systems which use in the pit are examined.

After researches have done, the belt transportation system with truck is the only solution & using of jaw crushers in the pit is suitable.

Keywords: In Pit Crusher · Belt Conveyor · Porphyry Copper

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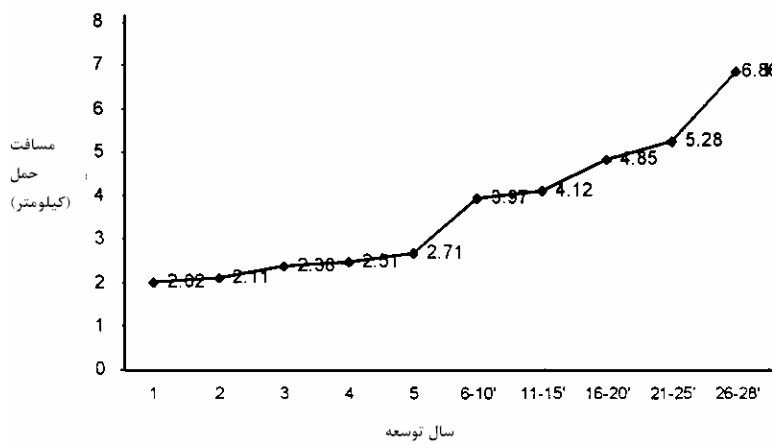
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