

EVALUATION OF SAFETY AGAINST LIGHTNING IN MBS

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ABSTRACT

A lightning strike generates several 10kA and several billion volts and earth currents generated by lightning is dangerous to some underground and all surface blasting operations. In order to evaluate the safety against lightning in conventional electric firing method and electromagnetic induction blasting system, a test is conducted by connecting a wire with an impulse generator. Frequency of impulse current used in the test is 17kHz and