ABSTRACT

PT. Antam (PT. ANTAM) Pomaala, Southeast Sulawesi nickel smelting company and is one of the state-owned enterprises in Indonesia. In an effort to improve the reliability and continuity of service, PT. ANTAM has made changes to the electrical system by performing a non-active five generators on FeNi II and non-active load on the furnace I, FeNi II, due to changes, then done the analysis and re-setting safety overcurrent relay coordination and relay soil disturbance by describing the characteristic curve.

In analyzing the security settings need to be considered rele large fault current that can occur, the type of earthing system used and the full load current. It also must consider the characteristics and the installation of safety equipment installed. From the analysis, note that there are some errors in setting the existing overcurrent relay that needs to be done resetting relay.

Keywords: continuity, coordination, setting a safety relay
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