

# **INSTALLATION MAINTENANCE CUBICLES SUBSTATION 20KV ON CONCRETE WITH A CBM SYSTEM FOR GENERAL CUSTOMERS**

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## **ABSTRACT**

At the installation of electric power and electrical equipment found many panels that are used to protect the equipment. One of them is the equipment for the control circuit to the design in the space on the medium voltage called "Metalclad Switchgear" or commonly referred to as a cubicle (Cubicle). Its function is as a controller, connecting and protector and split the power from an electric power source. In the installation of medium voltage cubicles needed for easy monitoring of electrical equipment or maintenance so more durable. Over time, due to environmental influences and the effects of surgery, cubicles decreased quality of care that is necessary to their maintenance efforts in order to maintain or restore the initial achievement level and can operate with high reliability so that the continuity of the electrical service will be achieved. One step predictive maintenance is commonly referred to as Conditional Base Maintenance. The maintenance is done through inspection, detection, prevention of sudden total damage (breakdown). Where interference can occur due to internal and external factors.

**Keywords:** *cubicles, maintenance, CBM system.*