



R&D Fund Project

Metering Design for Indoor/Outdoor Substations and Feeder Pillars



Indoor Substation



Feeder Pillar

Project Overview

The purpose of this research assignment is to design and install a metering system for indoor/outdoor substations and feeder pillar. The metering system is to be installed in the existing LV board and feeder pillar for indoor substations and package type for outdoor substation. The changes or modification should be as minimal so as to ensure that it will be cost effective. From the pilot test site, it was found that the existing LV board, feeder pillar and package substation switchboard can be fully utilized for installing current transformers and energy meters with minimum cost and downtime.

Deliverables

- A new metering system design that is suitable and easy to be implemented in the existing LV board, feeder pillar, and package substation.

Benefits

- A metering scheme for substation metering with minimum cost and downtime.
- Easy and fast installation.
- Additional Current Transformer (CT) may not be required.