



## R&D Fund Project

### Development Of Risk Based Asset Management (RBAM) Strategies For TNB Distribution



Distribution Transformer used in the project to assess its Risk Index



RMU that could also be assessed based on the same methodology

#### Project Overview

Industry review of asset management practices and risk – based asset management framework and methodology for adoption by TNB Distribution Division. Validated or tested RBAM framework and methodology while gaining full insight into wide – ranging implementation issues.

#### Benefits

- TNB Distribution will be able to improve asset utilization based on known risks associated with the equipments' specific application, age, make and failure analyses
- TNB Distribution will be able to reduce the risk of failures of assets through better understanding of the likely failure mechanisms and developing strategies tailored to their specific population.
- TNB Distribution will be able to improve their decision – making process regarding assets lifecycle management including procurement, maintenance and replacement/redeployment strategies based on targeted system reliability indices