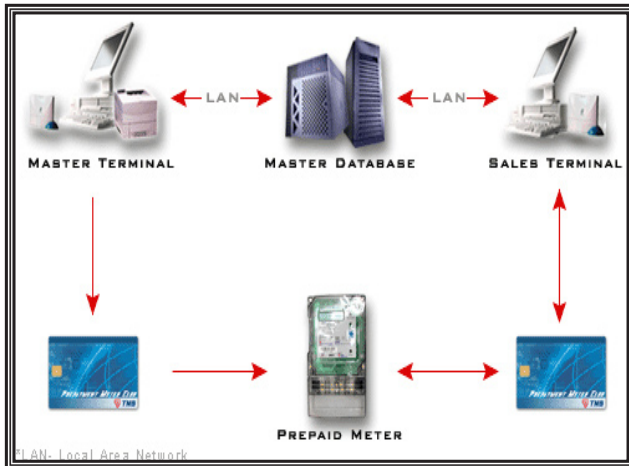


R&D Fund Project

Development Of Single-Phase Smart Card Electronic Meter For Prepayment Metering System



Flow Diagram of Prepayment Metering System



Prepaid Meters

Project Overview

Smart Card Prepayment Metering System provides utilities substantial savings while providing new payment option to the customers. The purpose of this project is to produce 5,000 units of smart card electronic and prepaid meters for pilot implementation before full commercialization. The basic requirement of this project is to develop the meters that fully conform to the requirements of IEC 61036, BS 5685 and ISO 7816 standards and fulfill the additional electrical and mechanical requirements from TNB Metering and TNB Distribution.

Deliverables

- 5,000 units of smart card electronic and prepaid meters that conform to the requirements of IEC 61036, BS 5685 and ISO 7816 standards and fulfill the additional electrical and mechanical requirements from TNB Metering and TNB Distribution.
- The meter is rated at 240 volts, 20 – 100 Amps and 50 Hz and used for single-phase 2-wire installation and meet accuracy Class 1 requirement for active energy measurement.

Benefits

FOR CUSTOMER,

No Deposit, No More Problems of Estimated Bills or Loss of Bills, Control of Energy Usage, No disconnection / reconnection charges

FOR UTILITY,

Improves Revenue Management, Decreases Operating Expenses, No More Problems of Electricity Disconnection, Reduces Manpower, Flexible and Expandable.