Smart Energy Meters for MASS HOUSING

Introduction

Smart Energy metersdeveloped by CSIR-CSIO are digital electricity meters built around low cost AVR Microcontroller. It supports Post-paid &Prepaidelectricity billing system which can facilitate improved cash flow management in energy utilities. These energy meterscan be connected in wireless network to communicate all the measured parameters using Wi-Fi, GSM protocols. These meters are incorporated with Anti-Tampering features.It can avoid the problems associated with billing, electricity thefts& deployment of man power for taking meter readings.

Features

Low Income Group (LIG)	Middle Income Group(MIG)	High Income Group (HIG)
▪ Single Phase (5-30A) ▪ Class 1 Accuracy, ▪ TFT Display ▪ Wi-Fi & GSM Enabled ▪ Networking through OS Serversuitable for Mass Housing	▪ Three Phase (5-40A) ▪ Class 1 Accuracy ▪ TFT Display ▪ Wi-Fi & GSM Enabled ▪ Networking through OS Server suitable forMass Housing	▪ Three Phase (5-60A) ▪ Smart Water,Electricity& Gas (WEG) Metering ▪ Class 1 Accuracy ▪ TFT Display ▪ Wi-Fi, GSM & Bluetooth Enabled (with Appliance Control) ▪ Networking through OS Server suitable for Mass Housing

Merits	Applications
▪ Less human involvement ▪ Cost flow management ▪ Minimizes tampering andthefts ▪ Saves overall time	▪ Residential House ▪ Special Functions ▪ Any domestic applications

Smart Energy Meters for MASS HOUSING

For further information please contact

Director
CSIR - Central Scientific Instruments Organisation
Sector-30 C, Chandigarh-160030
Email: director@csio.res.in