AMR (AUTOMATIC METER READING)

Automatic meter reading or AMR is the technology of automatically collecting consumption, and status data from Gas & Energy metering devices and transferring that data to a central database for billing troubleshooting and analyzing. This advance mainly saves utility providers the expense of periodic trips to each physical location to read ammeter. Another advantage is billing can be based on near real time consumption rather than on estimates based on previous or predicted consumption. This timely information coupled with analysis, can help both utility providers and customers better control the use and production of consumption.

SMART PNG

- Refurbishment of existing meters.
- Installation of New Smart meters
- Establishing Data Logging From Commercial industrial Gas Meters.

PNG SMART METER/DOMESTIC GAS METER

AUTOMATING INDUSTRIAL AND COMMERCIAL GAS METERS

Types of GCL

GCL-A

GCL-B

GCL-C

GCL-A Connection

GCL-B Connection

GCL-B

GCL-C Connection

EXPLANATION

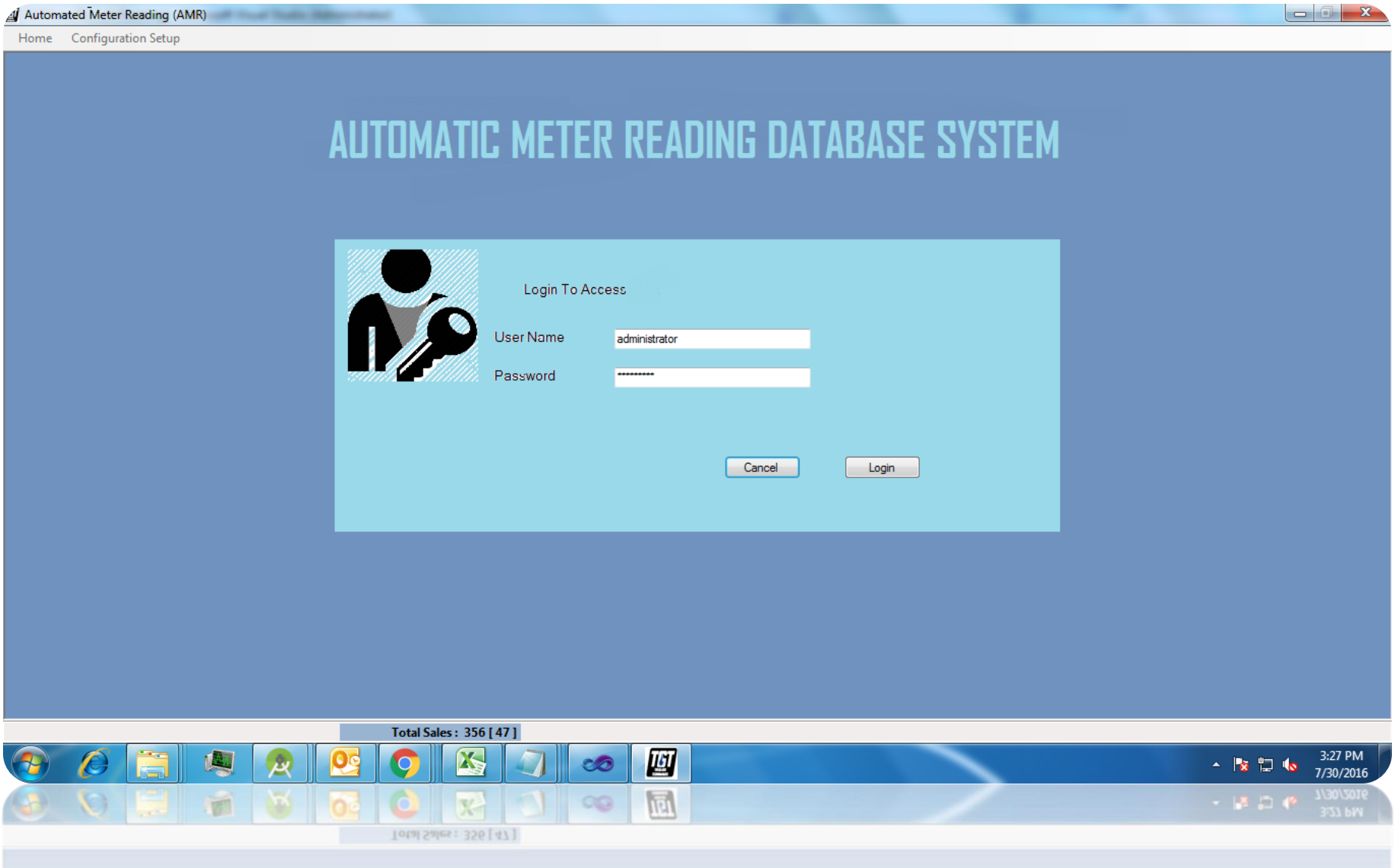
- Wireless networking is a method by which homes, telecommunication networks and business installations avoid the costly process of introducing cables into a field, or as a connection between various equipment locations.
- By using GSM network we transmit Real time or configurable time GAS Consumption data to the server .
- Engineered for accurate gas consumption metering using “GCL” Device calculate desired parameter (Temperature, Pressure and Pulsar or unit detector).

- “GCL” Device capture the three major parameters of gas.
- ✓ Real time Pulse or unit
- ✓ Temperature
- ✓ Pressure
- No need to charge or provide power supply .
- Battery is inbuilt in GCL device that provide power to controller for long duration.
- GCL device captures the data and transmits to client ,whenever the client wants to receive.
- Client will access the data from server via AMR software and also analyze the gas consumption report.

GAS CONSUMPTION DATA LOGGER(GCL)

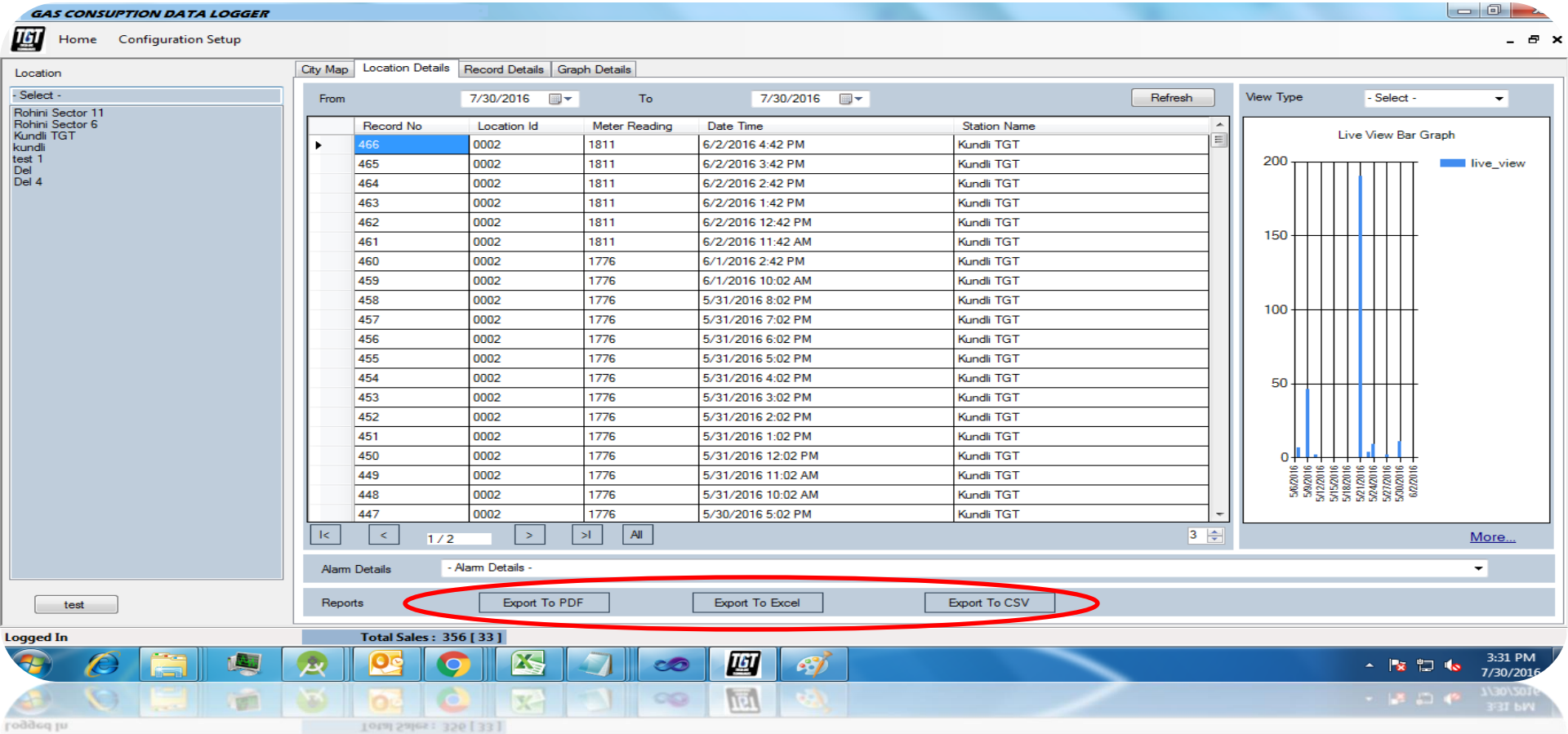
- GCL is a smart small device can be installed near existing gas meter.
- Three major inlet ports required for GCL
  - Pulse for measurement
  - Temperature for compensation
  - Pressure for calculation
- GCL is a GSM Devise
- Before transmitting data, GCL stores data into memory.
- Transmits the data to server whenever client want i.e.
- Hourly
- Daily
- Weekly
- Monthly

SECURITY TO ACCESS

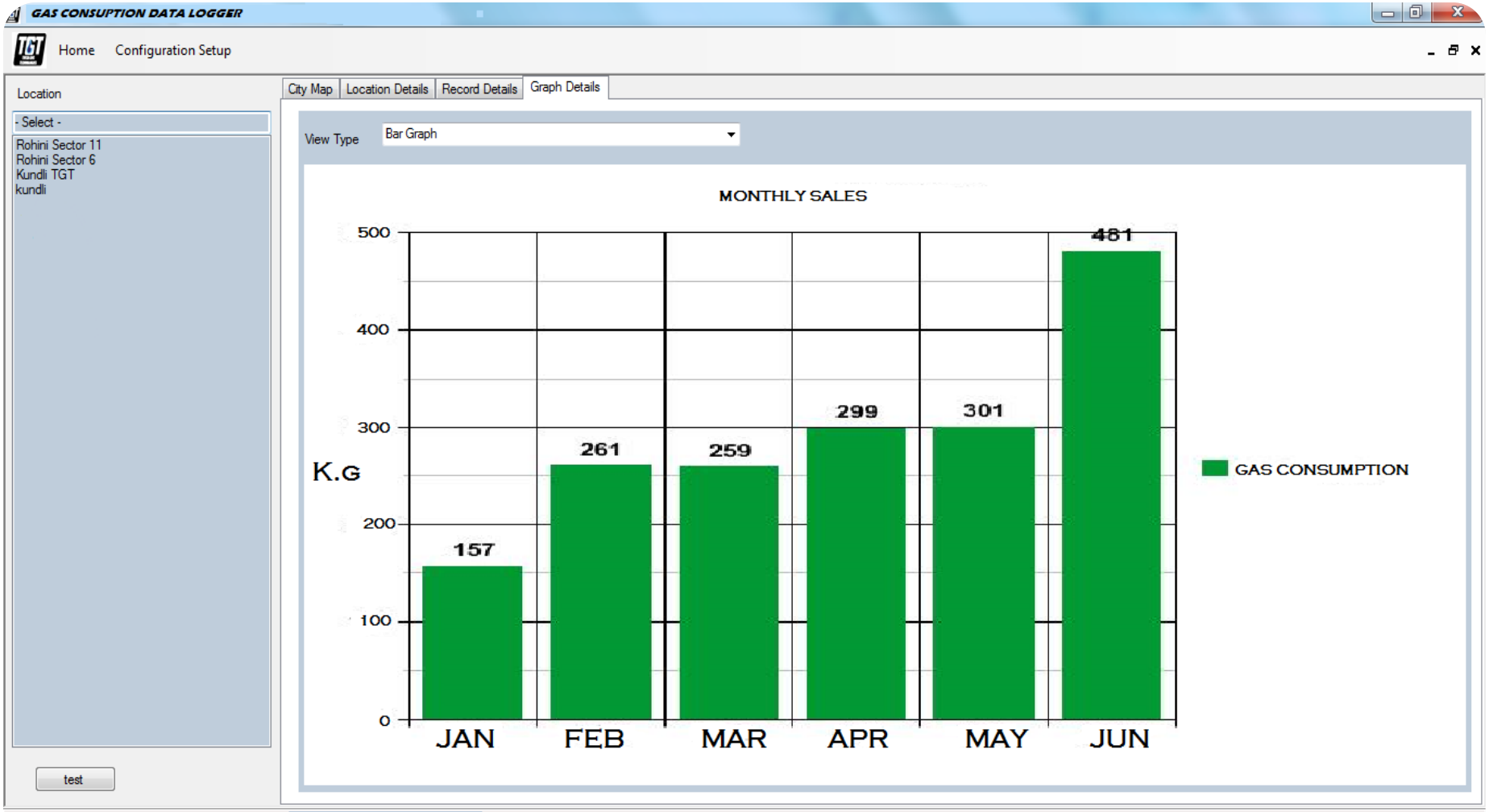


EXPORT REPORT FORMAT

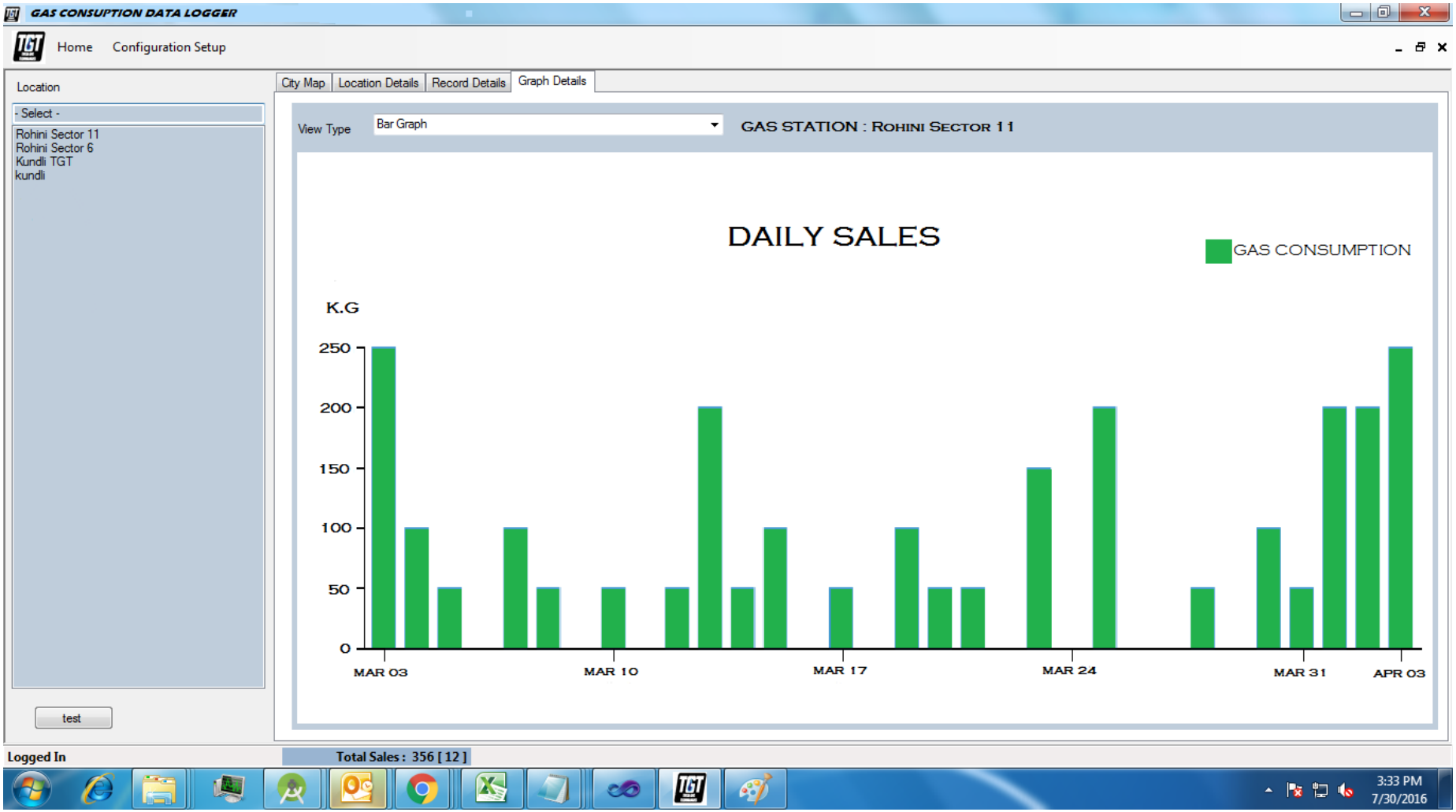
- • User can download the report in different format(PDF, Excel and CSV) and save the file in any directory/drive in computer.
- • User could use the report to send any authorized person via mail for production or any purpose .



MONTHLY SALES



DAILY SALES


GAS CONSUPTION DATA LOGGER
Home
Configuration Setup
Location
- Select -
Rohini Sector 11
Rohini Sector 6
Kundli TGT
kundli
test
City Map
Location Details
Record Details
Graph Details
View Type
Bar Graph
GAS STATION : ROHINI SECTOR 11
DAILY SALES
GAS CONSUMPTION
K.G
250
200
150
100
50
0
MAR 03
MAR 10
MAR 17
MAR 24
MAR 31
APR 03
Logged In
Total Sales : 356 [12]
3:33 PM
7/30/2016