

Arab Republic of Egypt  
Central Agency for Public Mobilization And Statistics  
CAPMAS

## **1- Current System**

### **Data access and Dissemination system**

- CAPMAS, stores primarily micro data relating to all statistical data produced by CAPMAS, it is also built with the 2006 census data, it uses Internet type structures including browsers and query converter. The main data uses commercial software, in this case oracle 9i.
- The size of the database is gigantic because it is fully indexed. It occupies about 140 Gigabytes.
- In fact there are two databases, one inside the firewall that contains a complete set of data and another outside where data is aggregated to some level to remove sensitive information.
- There are two servers, one is used as application server and the other is used as database server. The application server contains application codes and website software to process requests from end-user web browsers through generating HTML web pages which responds to the information request. On the other server resides the enormous database managed by oracle.
- Database access from the application server is implemented by making requests coded in SQL query language.
- The computers are linked using fast Ethernet (100MB/sec) using TCP/IP protocol and the SQL Net oracle network support module.
- CAPMAS used the Intelligent Character Recognition (ICR) and Optical Mark Reader (OMR) technology in capturing 2006 census data.

## **2- Development**

- CAPMAS is working now on developing "Data ware house" using the new "Data ware house" technology. The 2006 census data is given a special priority among so many other statistical data stored on it.
- For managing required Meta data is as important as the handling of statistical figures themselves, CAPMAS has developed a huge database to contain standard classifications and codes.
- CAPMAS has developed a geographical oriented database tightly integrated graphing and mapping capabilities GIS to improve the effectiveness of dissemination of information.