

## SUPPLY CHAIN MANAGEMENT

<b>Offering</b>	<b>Supply chain management information solution</b>
<b>Customer</b>	<b>Food &amp; Essential commodity corporation</b>
<b>Industry</b>	<b>Government – Commodity distribution</b>
<b>Customer</b>	<b>Profile</b>

The Uttar Pradesh State Food & Essential Commodity Corporation was established under Companies Act 1956 on 22nd October 1974. It is a wholly owned undertaking of U.P. Government. Its administrative department is Department of Food & Civil Supplies, UP Govt. The Existing system was operating manually. In the manual system data collection and compilation was very tedious requiring a lot of number crunching and paper work. Reports creation used to take lot of time in data evaluation and thereafter calculations. Organization evaluated need for a better system with quick collection of data from the district offices and faster compilation into reports at the district as well as head office.

### Solution

MARG implemented a Central database with each district maintaining its own copy of data. Data confidentiality is maintained against various districts. Real time updating of district records at the head office was not required. Poor internet services and regular power failure were other reasons which made technologies like database replication out of question and hence we followed the adage-‘beauty lies in simplicity’. Therefore, Transaction logs are maintained for the district operations and at the end of the day or scheme, as per the requirement, data is encrypted and mailed over the internet. Database is implemented using SQL Server 2003 (Enterprise Edition).

### Manual System

The organization follows extensive reporting with various reports related to each other. Any wrong calculations cause lots of re-calculation. Manual reporting process causes large cycle time even to answer simple information queries. Data collection from the district to the head office requires personnel to commute to and fro, wasting precious resources like money, energy and man-hour. One more problem found was that districts were not following one format for reporting. UPSFECC realized that standardization of data at the enterprise level to improve clarity and understandability of its own data.

### Heterogeneous Data Integrated

The project involved reviewing of the existing system, evaluating computerization requirements in various functional areas, and formulating an integrated enterprise-wide solution. MARG built the solution around five functional areas: Employee management, Legal, Secretarial, Procurement, Distribution and Accounts. Business rules and data rules were enforced across the design of the information model to ensure validity, accuracy and quality of enterprise data. Full scale automation was built into the process to improve the efficiency and reduce data searching and reporting time.

### Strategic imperatives

Considering the data confidentiality policies maintained in the running system, infrastructure available and level of technology advancements at the sites of implementation, we found that 24 hour online connection between district offices and head office was neither practical nor required. Better document tracking and accurate reporting was required while maintaining Data security. FECCMIS has helped U.P.State food to systematize there legal and secretarial records making record searching an effortless task. Analyzing monthly and annual purchase, monitoring distribution and comparing allotment and purchase as well as extracting revenue earned is made easier and faster.

### BENEFITS

- Instant access to data
- Standardization of reporting formats.

## H/W and S/W environment

**Architecture:** Three-tier client-server architecture

**Users:** Multi-user system

**Software:** SQL Server 2003 (Enterprise Edition), VB 8.0, MS Office, Windows 2000

**Network:** Closed user group network in the Head office using internet to transfer data between HO and District over the Indian Financial Network (INFINET)

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