

**Client:**

SICT (Ministry Of Planning)

**Industry:**

Government

**Project:**

Database implementation to administrate land ownership in Central Bangladesh

**Programme Duration:**

6 Months

**Oracle Products & Services**

Oracle Database 10g  
Oracle Real Application Clusters 10g

**The Requirement:****SICT Implements Imaging Database to Reduce Disputes over Land Ownership in Central Bangladesh**

The Support to ICT Task Force (SICT) Programme is a project initiated by the Government of Bangladesh to implement governance-to-transforming government-to-government, government-to-citizen, and government-to-business processes using technology—throughout the nation. SICT's remit included delivery of a new Land Record Management System to the Manikganj Land Record Office in central Bangladesh to digitally store maps and associated documents.

**Challenges:**

- Manage digital images of maps to determine land ownership.
- Deliver seamless integration between the image-capture software and database.
- Incorporate different security levels to accommodate user privileges.
- Include an efficient search function with multiple criteria.
- Employ a non-proprietary data format and enable access by multiple applications for different tasks.
- Ensure scalability to accommodate growth and migration to higher-capacity server.
- Provide backup to minimise loss in the event of a disaster.

**Development Solution:**

- Engaged Oracle Certified Advantage Partner MagenTys to implement Oracle Database 10g with Oracle Real Application Clusters 10g to deliver high availability and scalability using low-cost hardware.
- Minimised the impact of disasters and ensured rapid recovery with stable database platform and clustered server framework.
- Reduced forgery with a secure system that tracks user change.
- Cut disputes over land, reducing costly litigation.
- Increased visibility of pending jobs and enabled easier administration.
- Improved accountability and governance across the organisation.
- Enhanced employee job satisfaction and citizen confidence in the speed, integrity and functionality of the system.

**Client Testimonial:**

"The Oracle database has provided a secure and stable environment that allows us to store digital copies of land-related documents for the Manikganj district without concern that valuable data will be lost."

– Rafiqul Islam, Project Director, Support to ICT Task Force Programme