ELECTRIC NETWORK WITH GIS FOR EFFECTIVE SERVICE MANAGEMENT

Client: -

The client- **Rural Electrification Corporation Limited** (REC), a NAVRATNA Central Public Sector Enterprise under Ministry of Power, was incorporated on July 25, 1969 under the Companies Act 1956. REC a listed Public Sector Enterprise Government of India.

SGPL Solution: -

SGPL with its deep expertise in utilities and with a specialized team having expertise in utility mapping and having excellent understanding of Electric network structure, built and deployed the entire Mapbase.
The entire conversion process flow was well defined at the beginning of the

Technical Solution Components: -
The inputs received from client were as under: -

- The administrative/street maps
- The Electricity Distribution maps
- Attribute data collected on the ground
- Existing and proposed Points

Technology: -

- Auto Desk- Auto Cad Map 2010
- ArcMap9.3
- Expert GPS

Quality: -
Experienced resources were allocated to assess the quality of the map production. The quality process ensured there were no missing features, misplaced features, wrong attribution/annotation and also ensured that the map standard s were maintained.

Spatial Intelligence Delivered: -
Spatial Geotech services enabled the client to achieve the business excellence within a very short time by creating a centralized system with a consisting and accurate Electric Network Model. A core backbone was delivered to REC them to take knowledge assisted operational decisions to manage facilities and infrastructure by adopting work efficiencies realized on ground has translated to faster service response and reduced service disruptions in the field, lowered restoring costs, and improved public relation and customer satisfaction.