



**GUJARAT POWER
RESEARCH & DEVELOPMENT CELL**
GUJARAT URJA VIKAS NIGAM LTD



GeoUrja®

GeoUrja® is a user-friendly software platform developed for GPS survey of the Electrical Network and Consumers' locations by using a Smart Mobile device. The software-based application enables to capture of essential network elements such as the geographical position of electrical assets namely Transformers, HT & LT Poles & Lines, Cable route & Switching devices etc. The application also allows

dynamic updation, addition, modification in the electrical network.

The Enterprise solution 'GeoUrja®' platform is aimed to cover complete asset information, data modeling, integration and analysis for providing a supportive system for better management decisions and improvised consumer services.

FEATURES

EASY SURVEY MOBILE APPLICATION

- Network information with HT and LT network over the satellite image
- Consumer basic detail
- Quick search and navigation option for consumer and electrical assets
- Current location base overhead/underground network information
- Asset QR tagging and information
- Live location-based network view

DASHBOARD

- Developed on an open-source platform and uses GIS cloud technology
- Electrical network statistical information with consumers details
- Network asset attribute view and edit functionality with geographical and vector-based map
- Electrical network analysis with power flow study like voltage regulation, loss calculation, low voltage, reactive energy etc.
- Network planning with multiple network views over geographical view
- Integration with ERP and billing system through API services

SAMPARK

- Designed for the Customer Care Center
- Integrated platform for places and locations search with consumer details
- Quick information of electrical network and power connectivity

GUJARAT POWER PORTAL

- Integrated single platform for existing systems elements such as Information of Feeder Circuit Breakers, RMUs, Meter Modem, Switches, etc. are carried out and plotted on GIS Power Network
- The real-time power supply status of the Consumers and ongoing network outage information entails to access power reliability
- DISCOMs' Boundaries: DISCOM wise, Circle Wise, Division Wise, Subdivision wise, Geographical view
- Revenue Boundaries: District wise, Taluka wise, Village wise
- Digital layers of Roads, Rivers & Rail Network

GEOURJA LIVE

- Unique & innovative dashboard
- Live power supply status of feeders & consumers
- Real-time power supply status of consumers
- Ongoing network outage information
- Easy to manage the power flow of the network
- Feeder circuit breakers, RMUs, meter modems, switches, etc. plotted at single platform