

عنوان مقاله:

Creating the GIS based Electrical Asset Mapping and Consumer Indexing of Gudiyattam Town, Tamilnadu

محل انتشار:

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خلاصه مقاله:

Geographic Information System solution consists of capturing, storing, checking, integrating, manipulating, analyzing and displaying Geo-data related to positions on the Earth's surface and data related to attributes of the entities/Customers in a utility. This is achieved through GIS mapping to pre-defined scale, generation of intelligence electrical network maps and super imposing them on the land base GIS maps. Customer Indexing is defined here as a unique coding of index process for all types of Customers into a data base structure, created with pre determined attributes connected to a uniquely coded electrical network including locations with a facility using GIS tools to query and retrieve information. The project describes about database generation pertaining to electrical network mapping and consumer indexing using remotely sensed imagery and on GIS platform. Study area is Gudiyattam Town in Vellore district, one of the State in India, extending 8 sq.km. This project involves the generation of various GIS thematic layers like HT Network (11 KV feeder), LT network, HT_LT_poles, Distribution Transformers and Sub Stations in Gudiyattam Town, using DGPS, Systematic Door to Door survey of consumer details and integration of the data and overlaying on remotely sensed satellite imagery. The present work gives the better understanding of the Electrical Utility Networking and usage of GIS tool for improvement of electrical power distribution and quality service to the consumers

کلمات کلیدی:

DGPS, Electrical Utility Networking, consumer indexing

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