Abstract

Electricity is a widely used entity by each human being though it is divided by different types of consumers. It is used by each and every consumer daily like a breath. Without electricity our life will be in dark. To provide electricity up to our doors each & every component of a power system is working very efficiently & continuously. If there is malfunctioning at any stage of operation of a power system component, our switchgear is always ready to repair it again & present that component for our service. Load dispatch center is a coordinating agency for state electricity boards for ensuring a mechanism for safe and secure grid operation. Load dispatch center is an important link between generation and transmission, which co-ordinates the power requirements of consumers of electricity. Load Dispatch center which is the nerve of our power system is used to perform various functions. This paper explains the details of LDC, its functions, its importance in a power system & its future scenario as it is a very important factor of a power system.

Reference


Index Terms

Power Engineering

Power Systems

Key words

LDC - load dispatch center

SLDC - state load dispatch center

RLDC - regional load dispatch center

DCC - distribution control center

Act - The Electricity Act, 2003

CEA - The Central Electricity Authority

CERC - The Central Electricity Regulatory Commission

DAS - Data Acquisition System

IEGC - Indian electricity Grid Corporation