

Introduction to the Ethiopian Electric Power Corporation (EEPCo)



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The Ethiopian Electric Power Corporation (EEPCo) was named in 1997- after serving previously in the name of the Ethiopian Electric Light and Power Authority, which was established in 1956. EEPCo is a government owned utility responsible for the generation, transmission, distribution and sales service of electric energy throughout Ethiopia. The corporation has two electric power supply systems: the Interconnected System (ICS) and the Self Contained System (SCS). The main energy source of ICS is hydropower plants, and for the SCS mini-hydro and diesel power generators allocated in various areas of the country.

The ICS consists of 11 hydro, one geothermal, and 15 diesel power plants with a total capacity of 2022.2 MW, of which 91% is generated from hydropower plants. The SCS consists of three small hydro and many isolated diesel plants, located throughout the country with a capacity of 6.15MW and 30.06MW respectively.

As part of the government's growth and transformation plan, EEPCo has launched hydropower, and other renewable, projects to meet the 10,000MW target in the coming five years.

The electric energy generated from the main hydropower plants is transported through high voltage transmission lines rated 45, 66, 132, 230 and 400 kV. The 400 kV transmission lines of 685.71 km were constructed and commissioned recently while 500kV and DC lines are being considered as part of the five year plan. The total length of the existing transmission lines is about 10884.23 km. Regional interconnections with neighboring countries including Djibouti, Sudan and Kenya are under the construction and procurement phases.

80,000Kms of power distribution in both ICS and SCS is achieved at primary voltage of 33 volts and 15kV lines, and step down to 380 and 220 volts to customer's level. The total number of customers connected by EEPCo at present is around 1,896,265. EEPCO increased the number of electrified towns and villages reached to a total of 5163, which brought electric energy access to 41%. At present EEPCo is undertaking investment projects of two billion dollars per annum.

EEPCo's Vision

To be a center of excellence in providing quality electric service to everyone's doorstep and being competitive in energy export.

EEPCo's Mission

To provide adequate and quality electricity generation, transmission, distribution, and sales services, through continuous improvement of utility management practices, and responsive to the socio-economic development and environmental protection needs of the public.