




Union des Comores

Vice presidency in charge of the
Ministry of Energy
Company of Production of Electricity

Presented by :
ALI MBARAKA Djamal

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- 1) General information of each country**
 - 2) Current energy policy and measures of each country**
 - 3) Past energy demand and supply (statistics) of each country**
 - 4) Outlook of energy demand and supply of each country**
 - 5) Major difficulties and bottlenecks currently faced in formulating energy policies of each country**
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Country General Information


Union of Comoros is made of four main Islands originally volcanic, situated in the Indian Ocean in the Channel of Mozambique, between the east coast of Africa and the North-west coast of Madagascar.

The four Islands are by order of greatest,

- Grande-Comores
- Anjouan
- Mayotte
- Moheli

Map of Comoro Islands

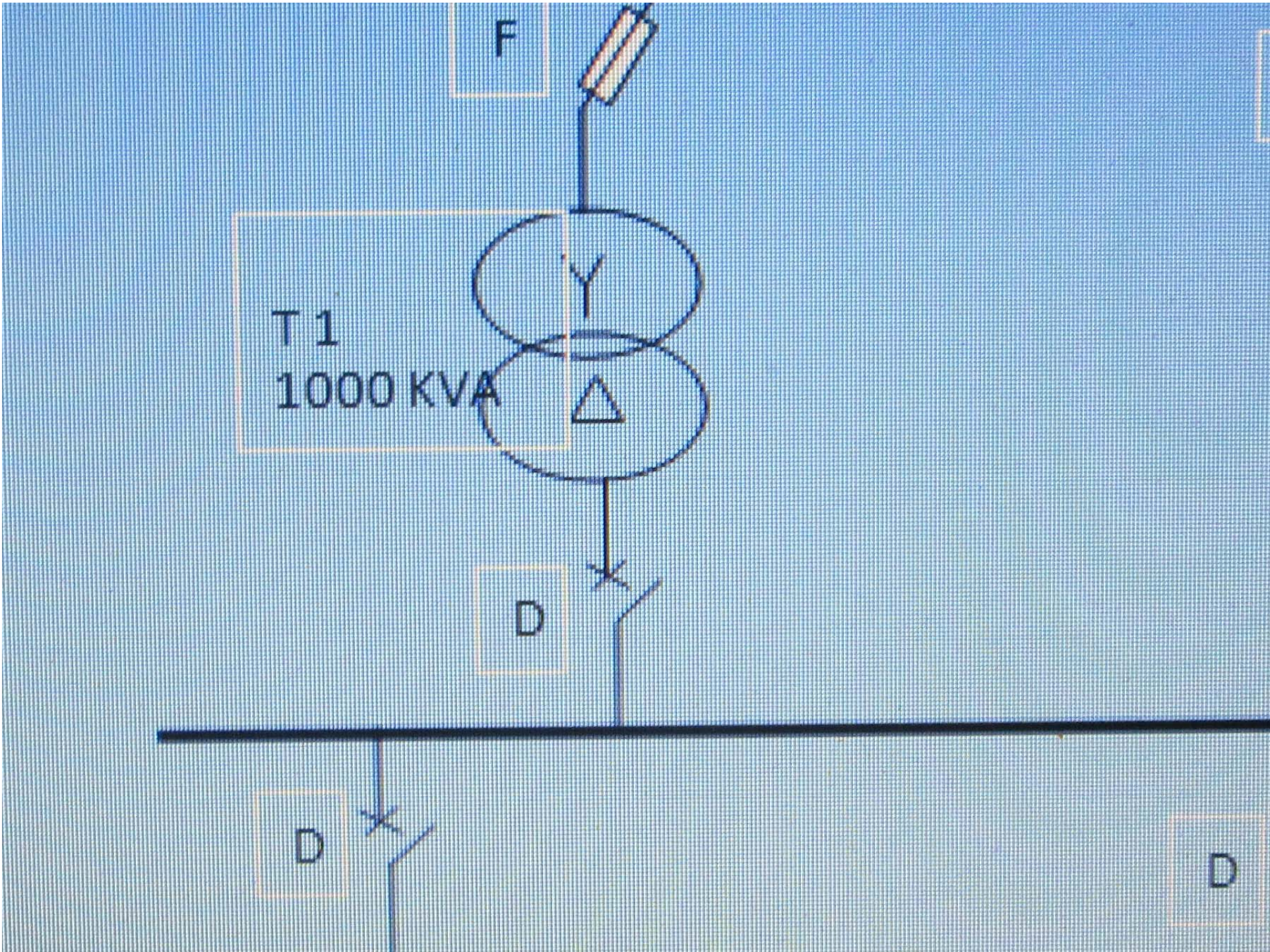




Mayotte is under the French occupation and the Comorians need visa to journey in Mayotte. Moheli the smallest Island count almost 60000 Comorians, 8% of the population of Comoros. In Comoros the woods and oil (petroleum) remain the big field regarding to energy. The oil products are imported and most of it, are used in the transport sector. The production of electrical energy is generally assured by the diesel oil about 70% of the imported diesel oil. Moheli and Anjouan took advantage of small hydraulic power plant: 3 in Anjouan and 1 in Moheli. The installed power in Comoros is above 25MW and Moheli hold 4MW (8%) of it. Moheli is electrified at 84% and soon at 95% after the installation of 6 micro solar power plant financing by EU (European Union). The network is old so that Losses and fraud of electrical energy represent 40% of the energy production.










Le circuit de distribution





The actual length of the network in Moheli is 50Km for 20kv and 72Km for 400kv with 26 installed transformers. The company of production of electricity in Comoros isn't able to regain 70% of its bill.



Current energy policy and measures

The regional office of the company of electricity production in Moheli follows the energy policy established by the General office in Grande-comore, such as delivering an available, cheaper and sustainable electrical energy in order of fighting against poverty and develops the socioeconomic sector, use renewable solar energy which is a national inexhaustible resource, collect and analyse the documents involving to electrical energy in Comoros provided by the BAD(African Bank for Development), fighting vigorously against the smugglers of electrical energy.



Past energy demand and supply (statistics)


The demand electrical energy still increasing since 1980. In Mohéli, it increases at 14% and soon at 18% by the installation of six(06) micro solar power plants . The network of Moheli has been rehabilitated in 1981 by the federal Republic of Germany and had a length of 8km and the peak was 450kw. Today with 3700 costumers, the peak is twice and the number of workers (150 actually) has nearly quadrupled.



Outlook of energy demand and supply

The monthly consummation is 98000 liters of diesel fuel the production cost is 11428.71 U.S.A dollars and the recipe is nearly 71428.571 U.S.A dollars. In five years the whole population of Mohéli will have access to electrical energy with installed power above of 4MW. The vice presidency in charge of the ministry of energy plans for 10 MW and autonomous of fuel security for 40 days. Thus the population of Mohéli will be assured supplying of energy till 2035. For this we must:


- Mobilize some fund to realize urgent maintenance
- To forecast for heavy fuel power plant
- To rehabilitate the hydraulic power plant
- To have schematic guiding of the network



Major difficulties and bottlenecks currently faced in formulating energy policies

Some reliable documents aren't available for us to have the accurate ordinates (precise) data involving:

- biomass
- geothermic
- wind energy
- industrial sector
- energetic assessment



Subjects you would like to study in the order of priority and the reason

The missing of energy policy documents and the instability of the energy become a big load for the economic development of Comoros while many natural resources of energy exist.



MERCI!
Thank you