LOAD FLOW ANALYSIS

by

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Project Report

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<u>S u m m a r y</u>

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The main objective of this project is to study Load Flow Analysis
of Power Systems in general and computer methods that are used
in this field. In particular, the project examines Nicosia's
Transmission and Distribution System. This text studies the
present sytem, its stability (seeing the disturbances if some
deviations from the system are effected). The system is analysed
using the Power System Analysis program available at the
Electricity Authority of Cyprus.

The realisation of this project necessitated grouping the Nicosia
substations and their individual loads, forming a file in the
format demanded by the power systems analysis program at the
Authority and running this program on an IBM Compatible PC. The
present system losses is compared to the losses from the
deviations from the present system including a future planned
system which adds another transmission substation to the present
system.

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