

ABBREVIATIONS USED

ESGSD.....	Economical Substation Grounding System Designer
ERT	Earth Resistivity Testing
ETAP	Electrical Transient Analyzer Program
FEM	Finite Element Method
GGs.....	Ground Grid Systems
GPR	Ground Potential Rise
IEEE	Institute of Electrical and Electronics Engineers
CBIP	Central Board of Irrigation and Power
TCAP	Thermal Capacity of material per unit volume
CDEGS	Current Distribution, Electromagnetic Field, Grounding and Soil Structure Analysis
GUI	Graphical User Interface
MATLAB	Matrix Laboratory
ESP/GSP	Earth/ Ground Surface Potential