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CLEARANCE TO BUILDINGS FROM OVERHEAD TRANSMISSION LINES

A dissertation submitted to the
Department of Electrical Engineering, University of Moratuwa
in partial fulfillment of the requirement for the
Degree of Master of Science

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Declaration

The work submitted in this thesis is the result of my own investigations except where otherwise stated.

This subject has not been accepted for any degree, and is also not being concurrently submitted for any other degree by me or any other individual.

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Abstract

With the increasing demand for electricity supply and the country development,

Searching of Transmission Line corridor across populated areas is a major difficulty faced by the utility company. Further, most of the funding agents are very much concerned about the environmental impacts due to the constructions.

The width of Transmission Line corridor is proposed for two different Transmission Voltages and the sharing of single corridor for more lines and the required widths are proposed. Possibility of building construction and planting of trees within the Transmission Line corridor is decided and the maximum heights for constructions are also proposed.



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