

**ISSUES IN IMPLEMENTING BROADBAND
POWERLINE COMMUNICATION TECHNOLOGY TO
PROVIDE INTERNET SERVICE THE CASE OF LECO**

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A Dissertation submitted in partial fulfillment of the requirements for the degree of Master of
Business Administration in Management of Technology

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December 2007

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Abstract

Today internet is considered as the largest IMC work of networks which provide various service to the people such as providing information, source of entertainment etc. but a fair number of the people don't get the opportunity to access internet due to various reasons lack of friable technologies to provide internet at lower cost is one of the main reasons faced by many countries in the world.

BPL is a widely discussed technology among world power distribution companies as away of delivering broadband service to cacti and every home connected to power grid. Numerous field trials and limited deployments are underway in different pan of the world .Maw scale commercial role outs are yet to be initiated and many scholars haw predicted that, in future, BPL will be most preferred Mast mile" solution to provide internet services to homes

LECO, in its Corporate Plan for 2007-2001 I has identified diversification into related businesses a key strategy to face future challenges. Few related business areas have already been identified and among them, providing internet sen-ice using Broadband over Power Line Communication Technology is prioritized .According to the available literature, in-depth analysis in Sri Lanka has not been done on BPL. In this research it is examined the issues pertaining to technology, infrastructure and standards in implementing BPL in Sri Lanka. Under technology, present technology capability of LECO is also analysed.

World Wide Web, Questionnaires and interviews were the main sources for information and data Most of the issues identified in this research are common to both Ceylon Electricity Board and LECO, but this study was carried out focusing 1.ECO as few issues are unique to LECO.

This research also presents recommendations. which may help to solve most of the identified issues Further to that BPL project's economic viability is also studied.