

## ABSTRACT

As partial fulfillment of the degree in Agriculture Engineering, A six month period of In plant training was followed at the CIC farm of Dambulla to gain the practical knowledge on micro irrigation Systems. This report is based on activities of my In Plant training.

The report is comprised of a brief introduction of the CIC Company and their different sub sections like fertilizer, paddy seeds, Agriculture technology etc. Then it says a short account on Agriculture technology division and their achievements.

The second chapter is based on the literature reviews regarding the irrigation especially, irrigation methods and their advantages, disadvantages and their uses.

In the third chapter is included the Procedure of Installation irrigation systems, how to design an irrigation unit and the factors that affect when designing an irrigation unit. The Fourth chapter describes the evaluation procedure of an irrigation unit and importance of evaluation.

Finally, fifth chapter describes various maintenance operations and my own suggestions for the short comings of irrigation units.