CHAPTER 2

**Description of the Existing System**

**Major Functionality of the Existing System**

The major functionality of the current system Advanced Metering Reader are the following:

* To read and record meters remotely by the technician & the used power by costumer.
* Send the total used power to the Ethiopian electric utility.
* It is available for costumer to see the total amount of birr, which is used to count the monthly payment for Ethiopian electric utility.
* Reduce the high level power or low level power, which means the meter got some problem or the wire connect to each other the connection either inner part or outer part. If the problem occurs the system will send a notification to the technical and if necessary the meter will be disable.

**User of the current system**

* Costumer
* Is the person who uses the advanced metering reader and pays bills
* Technician
* Is the admin who controls and deals with any type of issues with the system (AMR).

**Drawback of the current system**

The current system has some drawbacks.

* It can be dangerous or harmful if the customer does not use it responsibly or wisely.
* If the technician is not notified or given immediate feedback of any issues there might be more damage to the system.

**Business rule of the current system**

* Business rule 1:

The system should be used carefully and kept away from children.

* Business rule 2:

The costumer must pay bill monthly not after.