**Online Electricity Bill Management System**

**Business Requirement Specification**

**Table of Contents**

1. Introduction 3

2. Business Requirements Overview 5

3. Functional Requirements Overview 5

4. Non-functional Requirements 6

**1. Introduction**

* Document Purpose

This document communicates the business requirements and scope for developing Online Electricity Bill Management System. The scope of this document is to define the functional and non-functional requirements, business rules and other constraints requirements.

* Project Background

This system is made to keep the records about the bills of the consumers.In current system getting previous data of paid bills is difficult task.Payment of the bills using current system is also difficult task.

* Goals of the project

The main objective of this project is building a website which will help to manage the details of electricity bills, connections, store records and consumers. Sub-admins are allocated on the basis of different regions. Here if suppose anyone wants to use this facility and pay electricity bills online then they must have knowledge of computer. After that they can directly register in the portal by providing their valid details and pay electricity bill online.

This system has the option for consumers to pay their electricity bills by online mode through card payment. This system also has the feature to add and delete consumers and sub-admin accounts, in case a consumer wants to cut the connection or a sub-admin wants to leave the job.

Customers and stakeholders

Customers

* Admin
* Sub-Admin
* Consumer

Stakeholders

* MSEB

Admin, Sub-admin and Consumer

Admin

* Can view, add and delete accounts of sub-admin and consumer as well
* Can view a number of consumers and sub-admins
* Admin can also do all the tasks which can be performed by sub-admin

Sub-Admin

* Can view the details of bills
* Can view the payment reports of consumers
* Will view payment history of customer
* Will notify customer for bill payment
* Maintain payment status of all the customers
* Generating bills

Consumer

* Consumer can register on this portal.
* Consumer can check their bill status.
* Consumer can make an online payment.

**2. Business Requirements Overview**

* Online Electricity Bill Management System is a public web application.
* Online Electricity Bill Management System will be available for all consumers which want to pay their electricity bills online by using this portal.
* There are mainly three types of users.
* To register on this portal consumers should provide their valid Email-id and Contact number.
* Consumer can view details of electricity bills by logging into their account.
* Admin, sub-admin can search electricity bill payment details and even information about the consumer by using a unique id which is generated for every consumer.
* Online Electricity Bill Management System could be maintained by Admin.

**3. Functional Requirements Overview**

Online Electricity Bill Management System consists of three modules described below:-

1. Admin Module
2. Sub-admin Module
3. Consumer Module

**Admin:** Enter Admin Email-Id and Password.

* + Display the Admin dashboard where he can see his profile and update his profile.
  + Admin can add Admin, Sub-Admin and Consumer.
  + View number of consumers.
  + Can view bill reports by searching particular consumer Id.
  + Can see payment report by searching a particular consumer Id.
  + Generate bills by searching particular consumer Id.

**Sub-Admin:** Enter Sub-Admin Email-Id and Password.

* Display the Sub-Admin dashboard where he can see his profile and update his profile.
* View number of consumers.
* Generate bills by searching particular consumer Id.
* Can view bill report by searching particular consumer Id.
* Can see payment report by searching particular consumer Id.

**Consumer:** Enter consumer Email-Id and Password

* Display the consumer dashboard where he can see his profile and update his profile.
* View current bill and also pay bill and print bill.
* Consumer can view bill history.
* Consumer can view payment history.

1. **Non-functional Requirements**

* The website should use professional design, look and feel and color scheme.
* Users will have no limitations for accessing the application through the Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 million users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.