1. **Tender Management System**

**Abstract:**

Tender management systemactsas interface between Contractors andState Government Officials. State Government will use this system for opening a tender for submission. Builders can check the tender details, submit a tender, view results, evaluation process. PWD can open a tender, evaluate a tender, compare tenders submitted and generate reports. Completion of work can also be traced from the system.

**Existing *System***:

In the existing manual system a lot of time is spent in communicating the information across different branches. There is a need for an integrated automated system, which has some centralized control over the entire process. Conventional System makes use of huge amounts of paper for recording transactions.

**Proposed System**:

Proposed system is a user-friendly system and which stores all the details in repository. Itactsas interface between Contractors andState Government Officials. State Government will use this system for opening a tender for submission. Builders can check the tender details, submit a tender, view results, evaluation process. PWD can open a tender, evaluate a tender, compare tenders submitted and generate reports. Completion of work can also be traced from the system.

**Modules**:

The system is proposed to have the following modules:

**Administrator (system admin) module**

**Government PWD users module**

**Contractors/Builders module**

**Government Senior Officers module.**

**Administrator module:**

This module provides administrator related functionalities.History of all the tenders submitted by all the contractors must be maintained and visible to admin.

**Government PWD Users module**:

PWD users should be able to compare the tenders depending on various criteria’s such as L1, prior project experience, etc.Contract will be approved first by PWD users and then by Government senior officers.History of all the tenders submitted by all the contractors mush be maintained and visible to PWD users.New registration approvals by Government PWD, validated by email and SMS.

**Contractors/Builders module**:

Builder/ Contractors should be able to submit a tender which should include his past projects, Overall bid cost, Material used, Timeline, etc. All the project details must be visible to the users, this details must have a link to tender corresponding.Contractors should be able to view status of his bid online.

**Government Senior Officers module**:

Two layers of approval of contract much be followed. Contract will be approved first by PWD users and then by Government senior officers.An overview status chart for Government senior Officers with number of upcoming tenders, currently running tenders, number of contractors in the approved tenders.

**Reports:**

Admin,Government PWD and Government Senior Officers can access this module and generate the reports based on the requirements.