

# Tender Management System for Public Work Departments

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## Abstract

Overseeing tenders is exceptionally tedious exercise and a ton of printed material is included. Manual frameworks have some legitimacy however are inclined to mistakes and can't manage developing volumes of tenders to be overseen by the two purchasers and venders. The essential capacity of this framework is to accessible the delicate archives online to the clients and download the application shapes. Every day a large number will be discharged and the new tenders are refreshed with the goal that clients can see them and on the off chance that they are intrigued they can download the delicate shape. Clients should enlist themselves and will get a lasting client ID and secret word. By this ID and secret word he can download the delicate structures in future moreover. The delicate reports will be provided to the client. This framework can likewise deal with numerous delicate reports at one time i.e. the client can get to different tenders from the organization at one time and can download the required structures. The client can present the points of interest alongside citation to the office through on the web. At that point the office individuals assess every one of the tenders put together by clients on assessment date and they allot that work to the client who is qualified and cited for less sum.

**Keywords:**-tender, purchasers, venders

## I. INTRODUCTION

Managing tenders is very time consuming exercise and a lot of paper work is involved. Manual systems have some merit but are prone to errors and cannot deal with growing volumes of tenders to be managed by both buyers and sellers. Ability to manage the entire process from issue of the tender to awarding the contract. Issuing tender requests on-line to qualifying registered companies either for free or for a fee. Automatically notify participating companies with any changes to tender or specifications. Access control allowing for limited procurement

persons to manage the tender process using passwords. Capacity to store and retrieve historical tenders. A simple electronic tender management system that permits procurement organizations to manage the main activities in sourcing is a good place to start. It should at least be able to compile online tender documentation, allow the pre-qualifying of suppliers, be able to invite and receive bids. A really good feature is to have a function that allows internal messaging and provides collaboration tools.

In the existing system managing tenders is very time consuming exercise and a lot of paper work is involved. Contractors have to manually enroll

themselves after which they receive the registration approval letter manually through courier or post. Whenever a new project is initiated government staff manually finds the list of suitable contractors manually and they ask the contractors to submit tenders by informing them about the type of construction, budget, place and timeline etc. Contractors/builders submit their individual tenders along with the past experience details. Government officials then manually scrutinize the tenders and select a suitable contractor for the proposed work or construction and award the project to that contractor. Contractors periodically submit progress reports and keep the government officials informed about the status of the work manually. The proposed “Tender Management System for Public Work Departments” is an end-to-end Internet based solution that automates the complete tender cycle and post-contract activities. This project has been designed to suit the needs of any Government / Government organization. It is a comprehensive product that drives transparency, delivers large cost reduction & process efficiency throughout the Sourcing & Procurement process of Government organizations.

State Government sector has to regularly deal with various types of work which requires invitation of tender, select proper supplier for work, compare different estimations with cost, previous work etc. In today’s competitive business world, many potential projects and services are put out to tender. That is numerous potential companies are provided with the opportunity to bid for the work. This project aims at developing very powerful and user

friendly Tender Management System for Public Work Departments that permits governmental organizations to manage the main activities in inviting for tenders and selecting the best one. Tender Management System for Public Work Departments helps to start with new tender to verification of previously launched tender. It provides a means to compile online tender documentation, allow the pre-qualifying of suppliers, be able to invite and receive bids. Tender Management System for Public Work Departments can manage tenders of all the Government Departments and Heads of Departments, Boards, Corporations of the State Government and Societies under the administrative control of the State Government and which are founded by the Government.

#### **Modules:-**

The entire application is based on the following modules:

- User Management/Administration Module
- Government PWD Users Module
- Government Senior Officers Module
- Contractors/Organizations Module

#### **User Management/Administration Module:-**

This module can be accessed by the administrator of this system. In this module administrator can manage the list of users like PWD Officer, PWD Senior Officer, Contractors and Organization. Administrator has to create PWD Officers & PWD Senior Officers to access the system for specific department. And he can create Contractors & Organizations as well as provide approval or rejection for self registered contractors and organization. He has the responsibility to change the status of all users available above specified.

#### **Government PWD Users Module:-**

This module can be accessed by the PWD Officers. InOfficers, they can update the work status up to this module PWD Officer has to create new tenders indate.

specific department which department he has working

for. And also he can revise the tender open & closeScreen shots:-

date if it is required. PWD Officer can monitor the listHome page

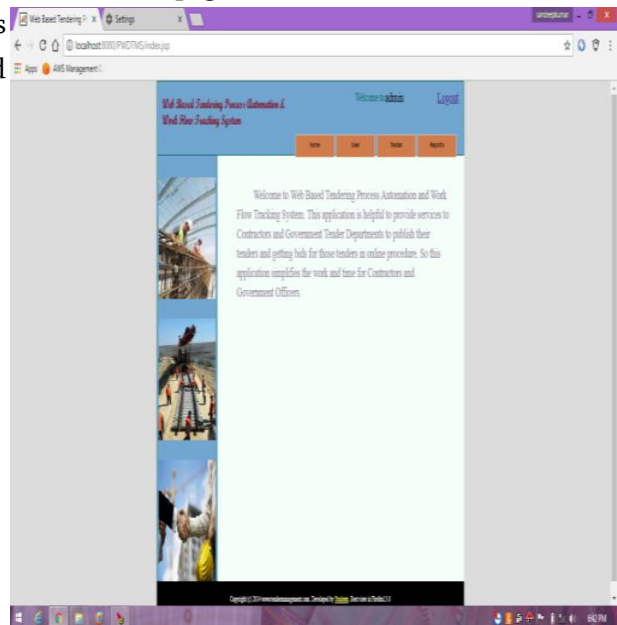
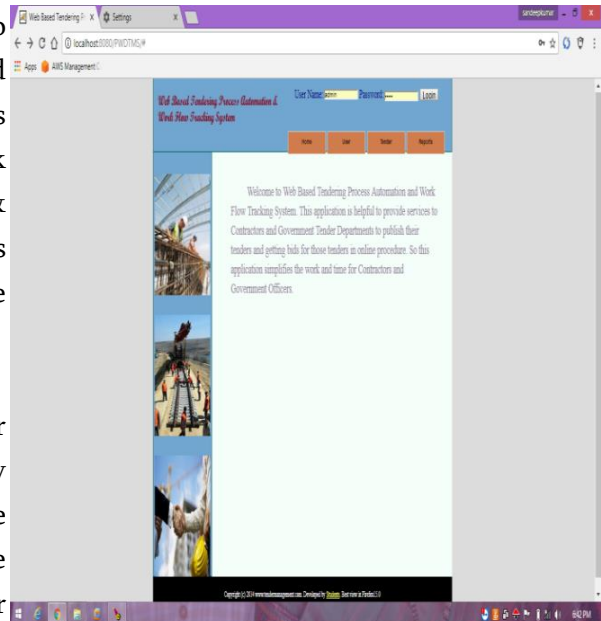
of tenders created by him like to whom(Contractor/Organization) tender has awarded and how many applications are posted by contractors and organization. PWD Officer can follow the work progress which has been done by the Contractors & Organizations. After completion of any tender he has the responsibility to change the tender status to close state.

**Government Senior Officers Module:-**

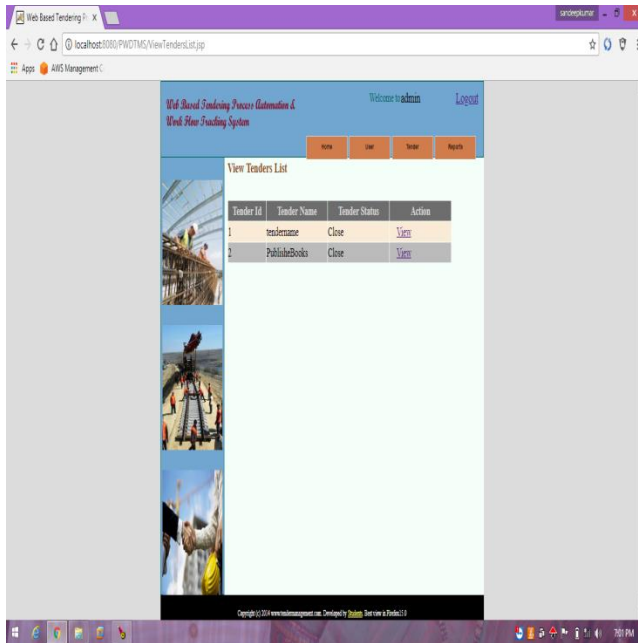
This module can be accessed by the PWD Senior Officer. In this module PWD Senior Officer can view & update his profile which has been created by the admin. This user can view the list of tenders available & select suitable Contractors/Organizations for tender which has been assigned by PWD Officers. He canAdmin home page view the list of Contractors and Organizations available & view their details like previous tenders and personal profile.

**Contractors/Organizations Module:-**

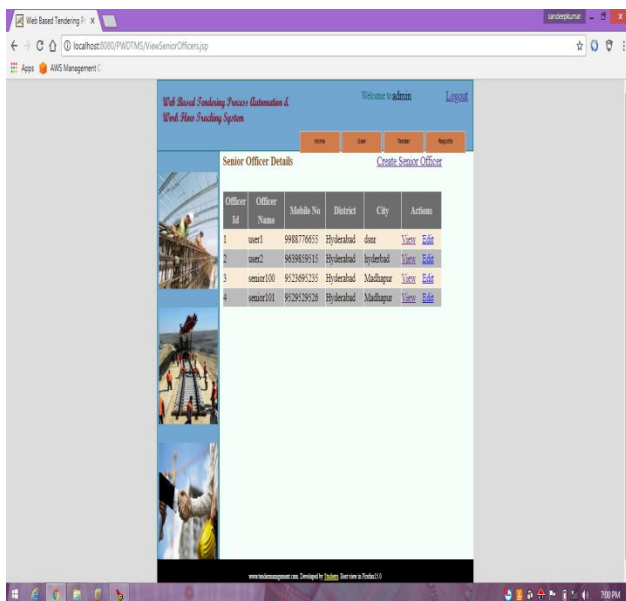
This module can be accessed by the Contractors and Organization People. In this module people/Organizations can register with this application by providing required(Address Proof/Organization register certificate) documents. Contactor/Organization can change their profile when they are required. They can access the system after getting approval from administrator of this application. And they can also apply for available tenders and they can track the status of applied tenders. After awarding the tender by the PWD Senior



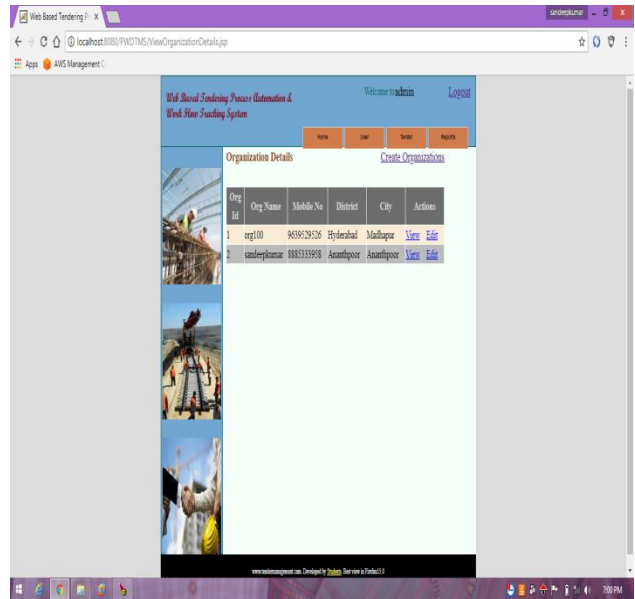
View tenders list



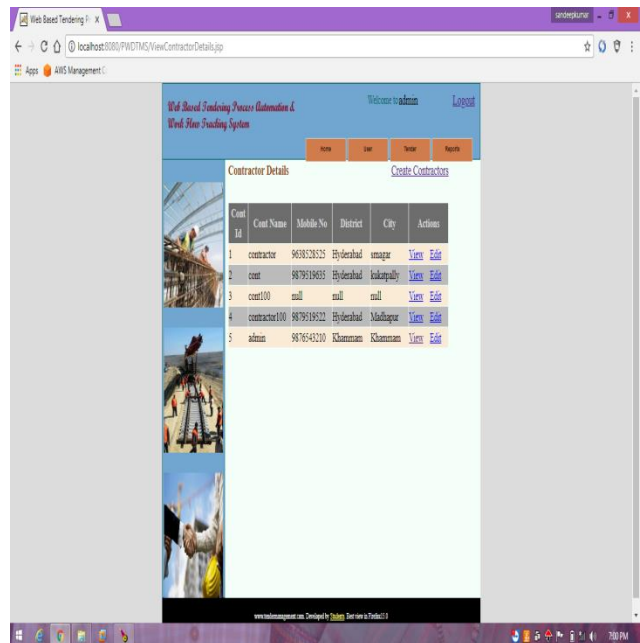
View senior officers list



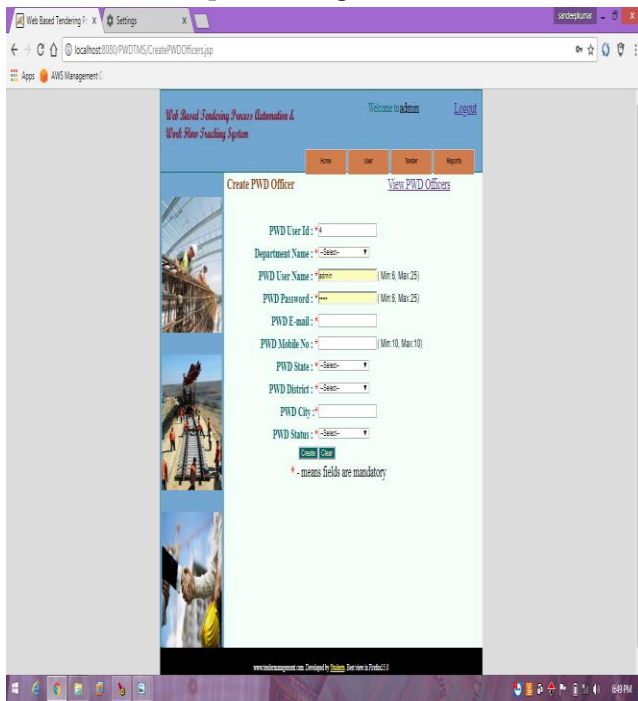
View organization details



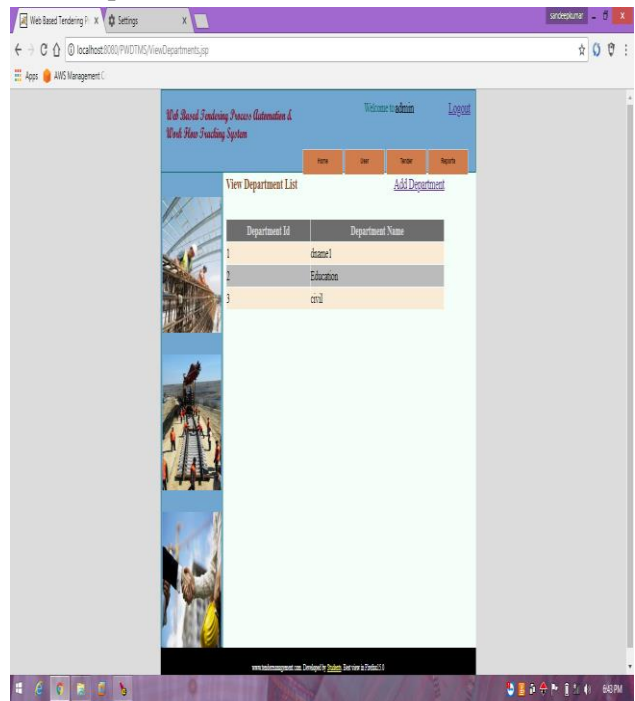
View contractor details



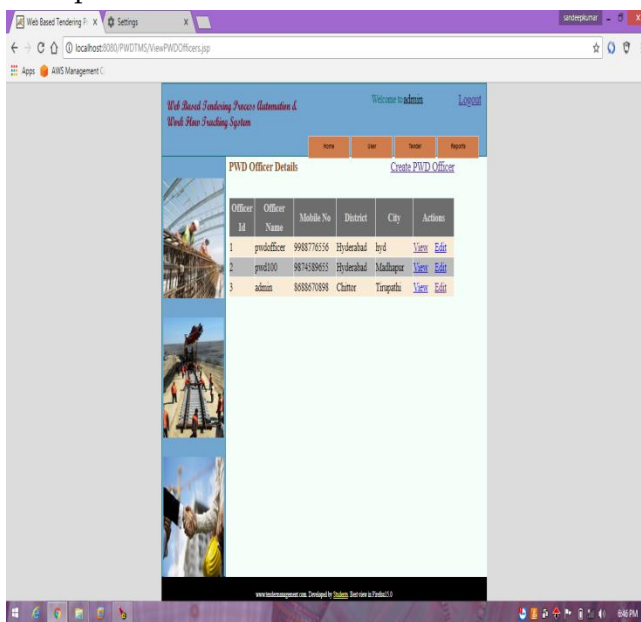
### Create and view pwd managers



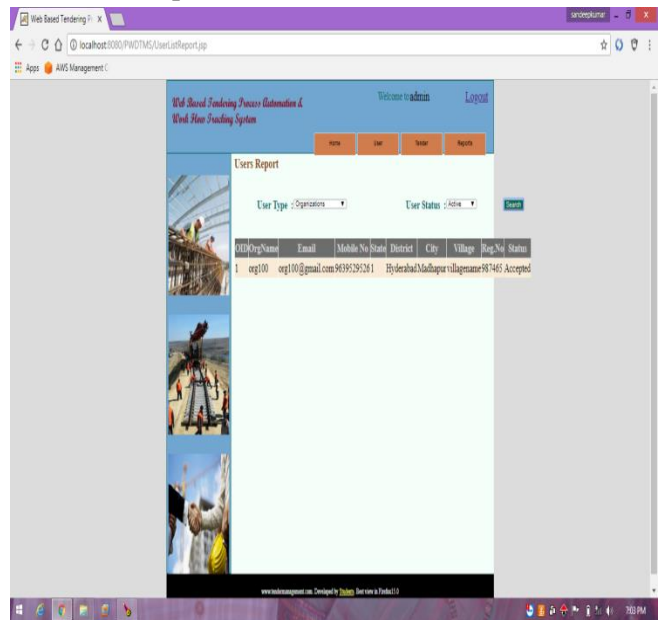
### View departments list



### View pwd officers



### View users reports



## II. CONCLUSION

The “Tender Management System for Public Work Departments” is web-based applications. This application software has been computed successfully and was also tested successfully by taking “test cases”. It is user friendly, and has required options, which can be utilized by the user to perform the desired operations. The advantages of this project are Instant access, Improved productivity, Optimum utilization of resources. Efficient management of records, Simplification of the operations, Less processing time and getting required information, User friendly.

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