

Introduction

This document describes our understanding of the project from the discussion with you and listed out the scope of works for each works.

1. Mobile App Development – Scope of works

- ❖ UI design integration.
- ❖ Allow users to see their permit status.
- ❖ Allow responsible persons to approve the permits.
- ❖ Create/Edit permits through mobile app as well.
- ❖ Show the warning notification message to PA, when there is an expired permit in their account.
- ❖ When the PA raised permits has expired, restricts to create a new until they complete/extended the permit.
- ❖ Send mobile notifications to the responsible persons in all action in the order.
 1. Creating permit
 2. Permit approval
 3. Safety Remarks
 4. AVI
 5. Download Permit Copy in PDF format.
- ❖ Capture the screens and upload the images through mobile app in Safety remarks module.
- ❖ Setup the **latitude and longitude** ranges for each equipment tags.
- ❖ Allow PA to raise the permits and IA/Isolators to approve the permits within the given latitude and longitudes range.
- ❖ Unit testing (QA).

2. Cloud Setup & Mobile app registration in Play store – Scope of work

- Create a new cloud server account (Hostinger) and launch the desktop and mobile app.

Configurations like

- 4-8 vCPU cores
- 16 GB RAM
- 200 GB NVMe disk space
- 16 TB bandwidth
- Load Balancer
- Auto Scaling
- SMTP Setup
- Push Notification
- Task Scheduler

- Creating a New Play Store Account.

*** Included Work:** Assisting with the sign-up process, setting up payment details, and completing the developer profile.

- Setup the Mobile App and Get Approval from Google.

- Preparing assets (screenshots, descriptions, icons)
- App bundle (.apk) upload
- Setting up policies (privacy, content rating, etc.)
- Resolving any rejection issues from Google

This can be time-consuming, especially if there are rejections or policy issues.

- Maintain the Play Store Account

- App version updates (minor, infrequent)
- Monitoring for Google policy compliance
- Handling notices from Google.
- Preparing assets (screenshots, descriptions, icons)

- Create an instance for dev and prod for desktop and mobile app.

- Unit Testing (QA)

3. Extension of Online Permit System to 15 plants

1. Setup the permit application in all units and other related software's.
2. Collect and setup to the following master data in all units
 1. Users
 2. Contractors
 3. Departments
 4. Sections
 5. Zones
 6. Isolation type
 7. Isolation Descriptions
 8. SOP/WI
 9. Checklists
 10. Mobile app access settings
 11. Latitude and Longitude setup for each equipment tags.
3. Execute the unit testing in all units.
4. Provide KT about the super admin features to the responsible person.
5. Monthly Backup
6. Monitor server performance and clear the tmp files. Its makes to improve application performance.

DCBL Scope of works

1. Gathering requirements **one-to-one(or facility) from each plant** is a targeted and valuable approach—especially when different plants may have unique workflows, systems, or priorities.
2. Cost includes the cost of development, testing, integration, installation, training, **45days** support after Go-Live.
3. There shall not be any limitation of usage of the application. We will install the applications at N No. of Desktops and Mobiles. No further cost will not be charged.
4. During the Support period of **45days**, small new developments shall be taken up without charging any extra cost. However, major changes / developments
5. We will be charged additional works as per mutually agreed.
6. Please take care of our travel expenses, loading & boarding of our **2 engineers** for any visits to the plant from our home town(**Madurai-Tamil Nadu <-> DCBL**). This will help us ensure that we can provide the on-site support and collaboration necessary for the project's success.

Sincerely,
Anantha Kumar RJ