# PMC\_FE\_REACT Front-End Codebase – Handover Document

## 1. Project Overview

This handover document pertains to the front-end codebase of the Plastic Management Cell (PMC) application, developed using React JS with TypeScript, Vite, and Tailwind CSS.

## 2. Technology Stack

- React JS (with TypeScript)

- Vite (Build Tool)

- Tailwind CSS (Styling)

- Axios (for API calls)

- ESLint, Prettier (Code linting/formatting)

## 3. Repository Structure

Key directories and their purpose:

• src/: Main source code

• components/: Reusable UI components

• views/: Page-level components and routes

• services/: API service integrations

• store/: State management using Zustand or custom hooks

• utils/: Utility functions and hooks

• assets/: Static assets like images, maps, and styles

## 4. Environment Variables

Ensure the following .env variables are defined:

REACT\_APP\_API\_URL=<API base URL>

REACT\_APP\_ENV=development

## 5. Installation & Running the Project

To set up the project locally:

1. Run `npm install` to install dependencies.

2. Copy `.env` to `.env.local` and set required variables.

3. Run `npm run dev` to start the local development server.

4. Run `npm run build` to generate production build.