1. Project Overview

This proposal outlines the scope, timeline, and cost for the development of a **Koppa Security System Management Platform**. The system will serve the needs of a centralized security office, including company-level and office-level alarm management, real-time police alerting, and administrative control across multiple user roles.

2. Goals & Objectives

- Centralized management of companies, branches, users, and alarms.

- Real-time notification and siren system for police response.

- Google Maps integration to monitor branch locations.

- Multi-role support (Super Admin, Police Manager, Company Admin/Operator, etc.)

3. Features & Modules

- **User Management**
  Role-based access: Super Admin, Police, Company Admins, Operators.

- **Company & Branch Management**
  Add/edit companies and their respective branches.

- **Alarm System**
  Triggered by company users. Notifies police in real time. Siren sound plays every 1 minute until acknowledged.

- **Google Maps Integration**
  View all branches on a map, color-coded by status.

- **Reports & History**
  Track all alarm events, status changes, and resolution logs.

- **Notifications System**
  Real-time push notifications and alerts (browser/app support).

4. Timeline & Phases

Phase	Description	Timeline
Phase 1	User Roles + Company Management	Week 1-2
	Branch & Alarm System (basic trigger/report)	
	Real-time Notifications + Siren Loop	
	Google Maps Integration	
	Testing, Feedback & Deployment	
Phase 2	Report Management + Admin Dashboard Polishing	-

5. Project Cost & Milestones

Total Price: **120,000 ETB (including maintenance phase)**

Payment Schedule:

- 30% upfront: 36,000 ETB (Project kickoff)

- 40% mid-phase: 48,000 ETB (After completion and test of phase 1 features)

- 30% on completion: 36,000 ETB (After Deployment)