

Compliance Report: siltaraphase1

1. Executive Summary

This report presents the automated monitoring and compliance analysis for siltaraphase1 as of February 14, 2026. The analysis uses Sentinel-2 satellite imagery with AI-powered super-resolution (ESRGAN) and automated change detection algorithms.

INDUSTRIAL LAND MONITORING & COMPLIANCE SYSTEM

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4. Recommendations

1. Conduct ground-truth verification for all critical-severity encroachments.
2. Issue show-cause notices for construction outside allotted boundaries.
3. Review utilization status of vacant plots for potential reallocation.
4. Schedule quarterly satellite monitoring for high-risk areas.
5. Update PostGIS boundary records with latest survey data.