

Project PI: Rajesh Kumar

Project Title: Comprehensive Investigation of Floor Tile Staining and Deterioration at JPNI Airport, Patna, with Root Cause Analysis

Name of Client: M/s Airports Authority of India (AAI), Safdargunj Airport, New Delhi

Objectives:

1. Site visit(s) and detailed visual assessment of affected flooring areas at JPNI, Patna.
2. Identification of probable root causes for post-execution shade change/staining and tile distress.
3. Assessing the role of subsurface on the tile eruption, if any
4. Laboratory testing of representative samples (tiles, chemical residues, bedding mortar/adhesive, grout, and sub-base materials), as deemed necessary.
5. Review of execution documentation and quality control records
6. Recommendation of technically sound and durable remedial measures and preventive protocols
7. Submission of a comprehensive technical report with observations, test results, conclusions, and remedial methodology.