

Municipal Corporation Amritsar

Action Plan: Identification of Road Stretches with High Dust Generation (FY 2025–26)

1. Objective

To identify, map, and monitor road stretches in Amritsar city that contribute significantly to dust emissions, in order to implement effective dust control and mitigation measures as per NCAP and 15th Finance Commission guidelines.

2. Action Steps

A. Preliminary Assessment

1. Data Collection

- Gather existing reports, traffic/road maps, and prior survey records.
- Collect information from Punjab Pollution Control Board (PPCB), Traffic Police, and Urban Development Department.
- Identify busy commercial and industrial corridors with high vehicular activity.

2. Stakeholder Consultation

- Conduct meetings with Traffic Police, Public Works Department (PWD), and PPCB.
 - Invite citizen feedback through complaint redressal systems and structured surveys.
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B. Field Identification

1. On-ground Surveys

- Deploy Municipal Corporation engineering and sanitation teams to physically inspect roads.
- Record dust accumulation, potholes, unpaved shoulders, and presence of construction debris.
- Note stretches with frequent traffic congestion and heavy goods vehicle movement.

2. Technology-Based Mapping

- Use **GIS mapping** to identify and mark dust-prone road stretches.
 - Collect on-ground data using mobile air quality monitors to measure **PM₁₀/PM_{2.5}** levels.
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C. Categorization of Road Stretches

Identified stretches will be classified as:

- **High Priority** – Heavy traffic, commercial/industrial zones, visible dust clouds.
 - **Medium Priority** – Moderate traffic, partial dust generation.
 - **Low Priority** – Minimal traffic, occasional dust generation.
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D. Reporting and Monitoring


- Maintain a **digital inventory** of identified dust-prone roads with GPS coordinates.
 - Update road inventory and category status on a **quarterly basis**.
 - Establish **joint inspections** with PWD and Traffic Police for continuous monitoring.
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3. Follow-up Mitigation Measures (Post Identification)

- **Regular mechanized sweeping** of high-priority stretches.
 - **Water sprinkling/dust suppression systems** in commercial and construction-dense areas.
 - **Pothole repair and road carpeting** on broken or damaged stretches.
 - Enforcement of **strict regulations** on construction material storage and transport to prevent roadside spillage.
 - **Green buffer plantation** along identified dust-prone corridors.
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4. Responsible Agencies

- **Lead Agency:** Municipal Corporation Amritsar (MCA)
- **Supporting Agencies:**
 - Punjab Pollution Control Board (PPCB)
 - Public Works Department (PWD)
 - Amritsar Improvement Trust (AIT)
 - Traffic Police Department


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