

Heat & Pollution Action Plan – Pune

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1. Current Urban Risk Assessment

- Average surface temperature: 32.3 °C
- High heat-risk zones: 0% of city area
- Average PM2.5 concentration: 232.0 µg/m³
- Combined exposure to heat and air pollution significantly increases public health risks.

2. Priority Intervention Areas

- Zones with high surface temperature and poor air quality should be prioritised.
- These areas face elevated risks of heat stress, respiratory illness, and energy demand.

3. Recommended Mitigation Measures

- Green Cover 10

4. Budget Allocation & Expected Impact

- Allocated budget: ₹5 crore
- Estimated average temperature reduction: 0.8 °C
- Improved air quality and reduced heat exposure expected in priority zones.

5. Implementation & Monitoring Framework

- Implement measures before peak summer and high pollution seasons.
- Monitor surface temperature annually using satellite data.
- Track PM2.5 and heat-related illness indicators seasonally.