

Ganpati Utsav 2025

Nashik City AI-Enabled Bandobast Plan

Safe Ganpati • Smart Ganpati

 August 27 - September 7, 2025
 Nashik City Police & AI Labs Team

Festival Overview & Purpose



Festival Timeline

Ganpati Utsav: August 27 - September 7, 2025 (12 days)

Eid-e-Milad overlap on September 2 & 7 requires special attention



Key Objectives

- Safeguard citizens, devotees, and public property
- Maintain communal harmony during religious overlaps
- Reduce risks: drowning, stampedes, fire, and public disturbances
- Coordinate deployment across all Nashik City police stations



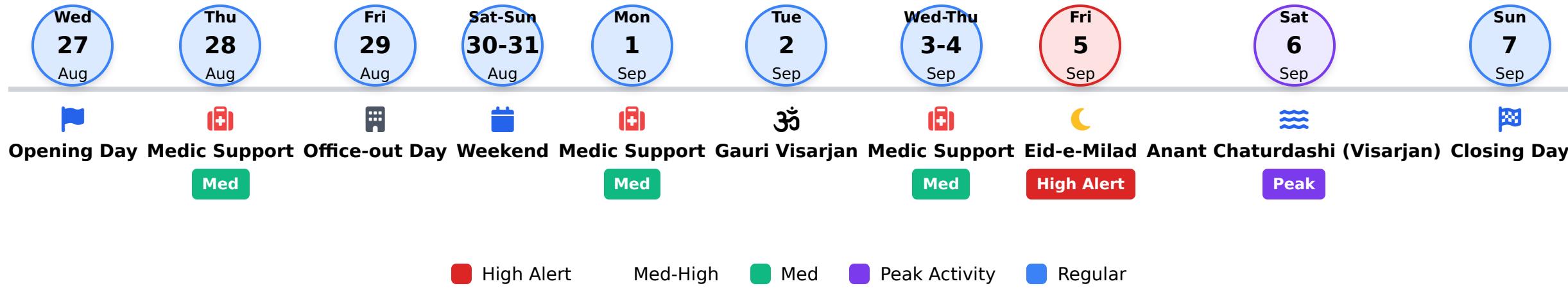
AI-Enhanced Planning

- Uses AI-enabled prediction models for crowd density
- Integrates historical data analysis (2015-2024)
- Creates digital QR code system for route maps and emergency protocols



Festival Timeline & Eid Overlap

August - September 2025



Key Security Focus

Communal Harmony Vigilance

September 5: Focused vigilance required for Eid-e-Milad celebrations

Maximum Immersion Activity

September 6: Anant Chaturdashi - Peak immersion activities expected

SRPF Deployment Recommended

September 5 (Eid) and September 6 (Visarjan)

ॐ Festival Context

Aug 27

Opening Day



Sep 2

Gauri Visarjan + Eid Overlap



Sep 7

Anant Chaturdashi + Sunday



790

Public Mandals

1.25L

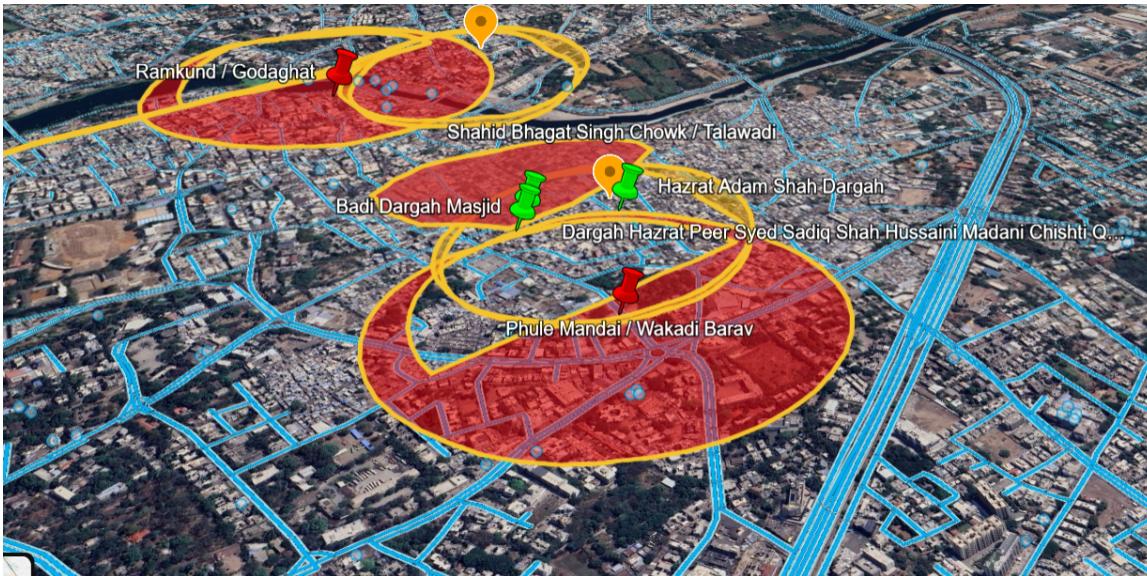
Household Ganpatis

15K+

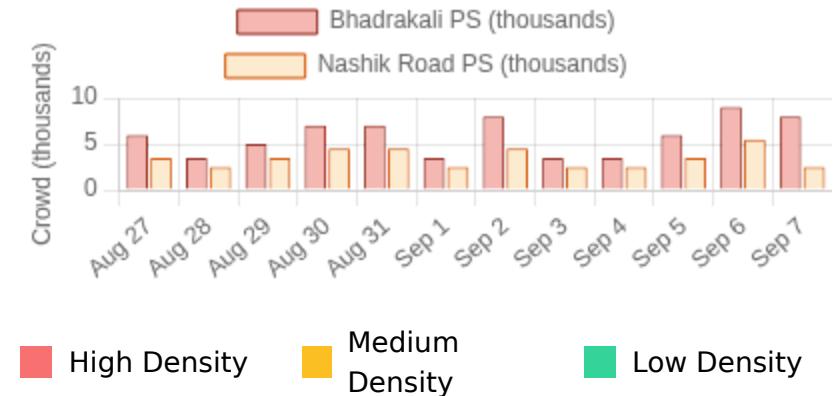
Peak Day Crowd

Crowd Forecasts – Heatmap

Density Zones - Nashik City



Daily Crowd Forecast

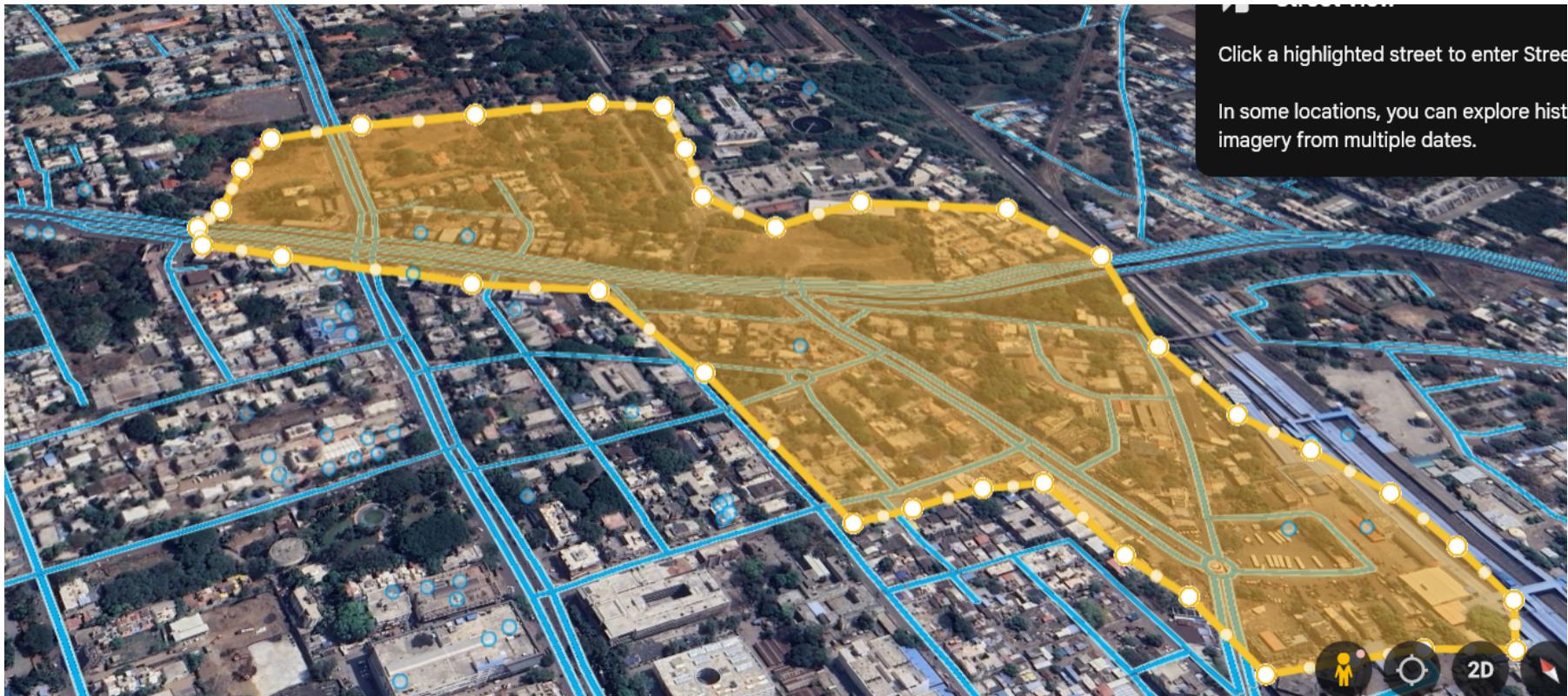


Peak Crowds:

- Bhadrakali PS: 8-10k (Anant Chaturdashi, 3-9 PM)
- Nashik Road PS: 5-6k (late morning-afternoon)
- Panchavati PS: High crowd risk at Kapila Sangam



NASHIK ROAD AREA





Historical Trends (2015-2024)

Growth Pattern



Mandal Growth Chart
2015: 67 → 2024: 61 (Panchavati PS)
Household: 9,000 → 23,000

Critical Incidents

| Year | Incidents | Type |
|------|-----------|----------|
| 2017 | 2 | Drowning |
| 2019 | 1 | Drowning |
| 2023 | 4 | Drowning |
| 2022 | 1 | Assault |



2025 Mandal Distribution

201

Large Mandals

562

Small Mandals

35

Valuable Mandals

Bhadrakali PS

Peak Crowd: 8-10K
Ghat: Godaghat, Ramkund

Panchavati PS

Peak Crowd: 15K+
Ghat: Kapila Sangam

Nashik Road PS

Peak Crowd: 5-6K
Ghat: Valdevi River

Adgaon PS

Peak Crowd: 3-4K
Ghat: Pajhar Lake



Daily Crowd Forecast

| Date | Day | City Crowd | Bhadrakali Peak | Risk Level |
|--------|-----|------------|-----------------|------------|
| Aug 27 | Wed | High | 5-7K | High |
| Aug 30 | Sat | High | 6-8K | High |
| Sep 2 | Tue | High | 7-9K | High |
| Sep 7 | Sun | Peak | 8-10K | Very High |

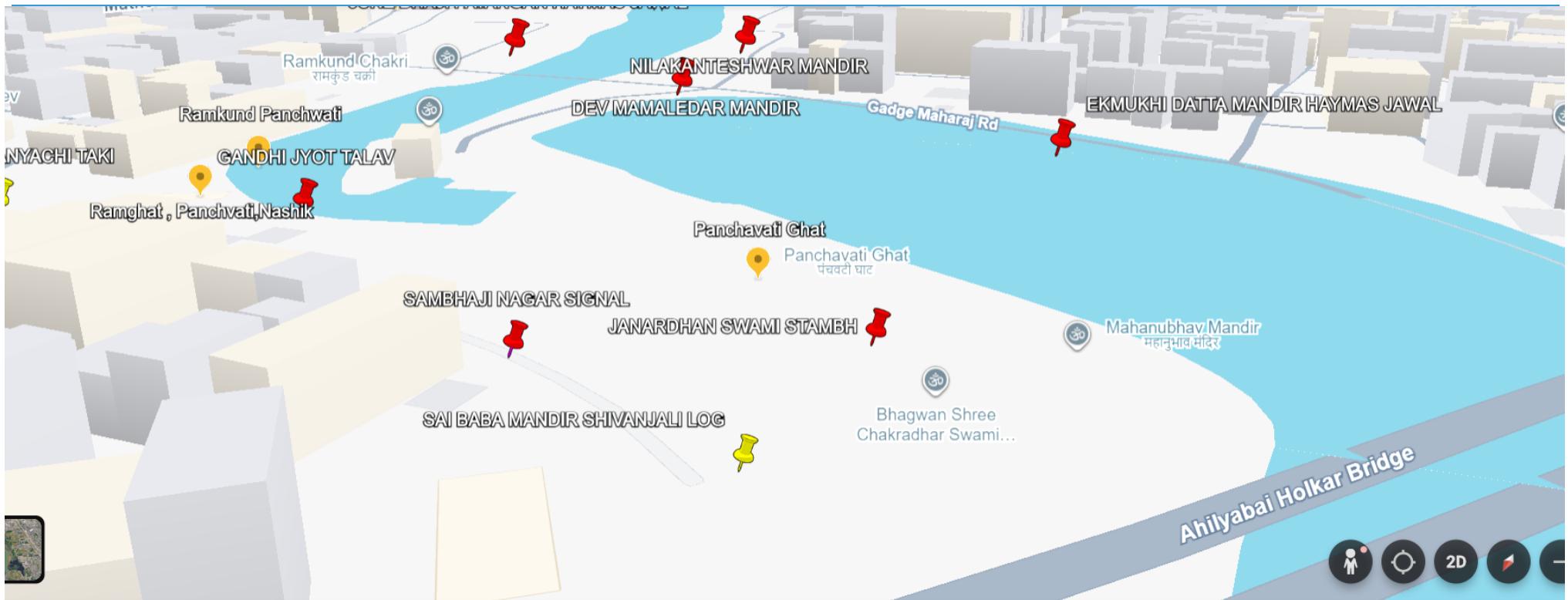


Critical Alert Days

- September 2: Gauri Visarjan + Eid-e-Milad overlap
- September 7: Anant Chaturdashi + Sunday crowd surge



Immersion Ghats Overview



Godaghat (Bhadrakali)
Capacity: 8K | Expected: 10K



Ramkund (Panchavati)
Capacity: 12K | Expected: 15K



Valdevi (Nashik Road)
Capacity: 5K | Expected: 6K



Bhadراكali PS - Operational Playbook

Mandal Distribution

45

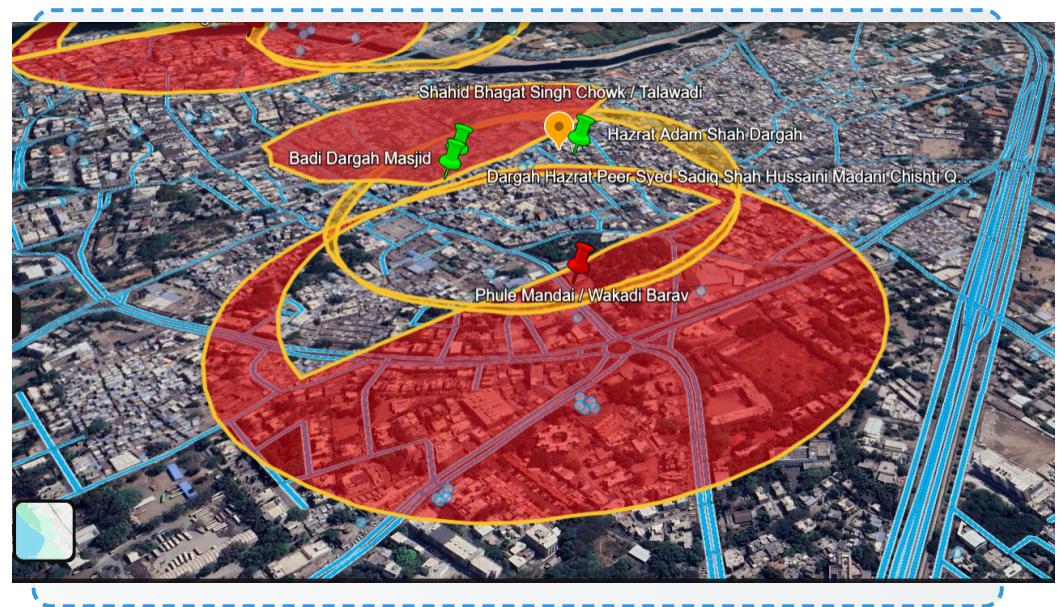
Large Mandals

9K

Household Ganpatis

Key Points:

- Mandai, Phule Market
- CBS Chowk, Dwarka Circle
- Peak: 8-10K (3-9 PM)



Emergency Readiness:

- 2 ALS Ambulances
- 1 Fire Tender
- Lifeguards + Boats



Panchavati PS - Critical Zone

Highest Density Zone

29

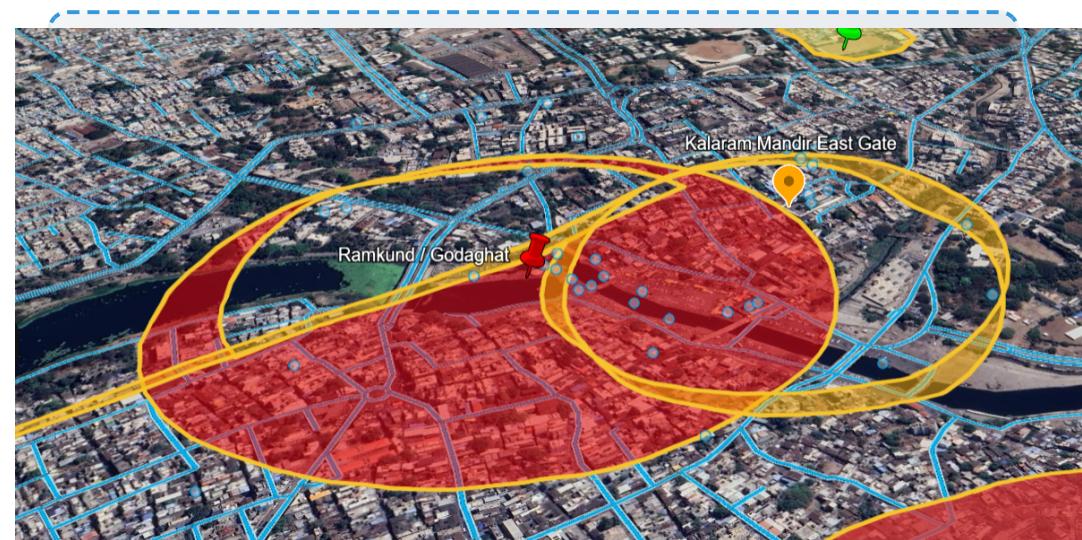
Total Mandals

15K+

Peak Crowd

Risk History:

- 2017: 2 drowning incidents
- 2023: 4 drowning incidents
- 2018: Crowd disturbance



Special Measures:

- 3 Boats + 20 Lifeguards
- 2 ALS Ambulances
- SRPF Deployment



Police Station Network

Adgaon PS

- 📍 Pajhar Lake immersion
- 👥 3-4K peak crowd
- 🚩 Highway-side mandals

Nashik Road PS

- 📍 Valdevi/Darana Rivers
- 👥 5-6K peak (11:30 AM-2 PM)
- 🚩 Bytco Chowk traffic hub

Satpur PS

- 📍 Nasardi River sites
- 👥 2-3K moderate density
- 🚩 Industrial estate mandals

Ambad PS

- 📍 Trimurti Lake/Nasardi
- 👥 2-3K moderate density
- 🚩 Trimurti Chowk congestion

Traffic Management Strategy



One-way loops near ghats



Emergency lanes marked



Heavy vehicle diversions



Ambulance corridors



Manpower Deployment Matrix

| Police Station | Officers | Men | Women | Home Guards | Volunteers |
|----------------|----------|-----|-------|-------------|------------|
| Bhadrakali PS | 6 | 105 | 37 | 85 | 115 |
| Panchavati PS | 8 | 130 | 37 | 95 | 130 |
| Nashik Road PS | 6 | 95 | 30 | 75 | 95 |
| Adgaon PS | 5 | 85 | 26 | 65 | 85 |

2500+

Total Personnel

12

Police Stations

24/7

Coverage



AI & Technology in Bandobast



CCTV Grid

Strategic ghat monitoring



Drone Coverage

Aerial crowd scanning



QR Route Maps

Digital mandal guidance



AI Predictions

Crowd density forecasts



Smart Control Dashboard

Real-time crowd monitoring • Traffic flow analysis • Incident alerts
WhatsApp helpline integration • Emergency response coordination



Risk Assessment & Mitigation

1 / 20



Drowning Risk
Lifeguards + Boats deployed



Flood Alert
Dam release monitoring



Traffic Gridlock
Diversion plans activated



Communal Harmony
Eid overlap management

⚠ Trigger Points

- 24hr rain > 100mm → Flood Watch
- Gangapur dam release > 25,000 cusecs → Bridge closure
- Crowd density > 120% capacity → Emergency protocols



Emergency Response Chain



Medical Response
ALS Ambulances at ghats



Fire Safety
Fire tenders positioned



Water Rescue
Trained lifeguards + boats



Quick Response
QRT/SRPF units



AI-Powered Smart Policing



AI Control Dashboard

Predictive Analytics • Real-time Monitoring • Automated Alerts
Crowd Flow Optimization • Resource Deployment AI



Predictive Models
Crowd density forecasting



Smart Deployment
AI-optimized manpower



Real-time Analytics
Live situation awareness



Future Vision

Smart City Control Centre • IoT Integration • Automated Response Systems



Weather Risk Management

Historical Weather Impact

| Year | Rainfall (mm) | Impact |
|------|---------------|-----------------|
| 2015 | 429 | Minimal |
| 2016 | 800 | Severe flooding |
| 2019 | 1731 | Highest ever |

2025 Preparedness



Dam Monitoring
25K cusecs trigger



Rain Alert
100mm/24hr threshold

Weather Protocol: Real-time monitoring • Bridge closure alerts • Evacuation procedures

🎯 Expected Benefits & Outcomes



Safer Festival

- Reduced drowning incidents
- Better crowd management
- Faster emergency response



Efficient Operations

- AI-optimized deployment
- Real-time coordination
- Data-driven decisions



Better Experience

- Smooth traffic flow
- Digital guidance
- Community engagement



Smart Policing

- Technology integration
- Predictive capabilities
- Future-ready systems

Zero

Target Incidents

100%

Coverage

24/7

Monitoring



Implementation Roadmap

Pre-Festival

- Manpower briefing
- Tech system testing
- Route marking

Aug 27-31

- Opening phase
- System monitoring
- Weekend crowds

Sep 1-6

- Mid-festival ops
- Eid coordination
- Risk monitoring

Sep 7

- Peak day ops
- All hands deployment
- Emergency standby

🎯 Success Metrics

- Zero drowning incidents
- Smooth traffic flow
- Zero communal incidents
- 95% public satisfaction



Safe Ganpati

Smart Ganpati 2025



AI-Powered Bandobast



Professional Policing



Community Partnership



Zero Incident Target

Ganpati Bappa Morya!

Nashik City Police & AI Labs Team