



राज्य आपदा प्रतिसाद बल राजस्थान

# State Disaster Response Force (SDRF) Rajasthan

Initiatives Taken for Strengthening Crowd Control Measures

## Introduction to Crowd Management

- Managing large gatherings safely
- Preventing stampede and panic
- Ensuring smooth movement

Details Rajasthan hosts massive gatherings during:

- Mela
- Urs
- Political rallies
- Festivals
- Special occasions
- Agitations



Brihm Sarovar Pushkar Rajasthan

## Need for Strengthening Crowd Control

- Stampede prevention
- Medical emergency response
- Fire / structural hazard prevention
- Safety of Participants

## Causes of Crowd Disaster

- Overcrowding
- Rumors/panic
- Poor route planning
- Lack of coordination
- Lack of planning & Resources
- Weather condition



Cricket Stadium Crowd

## Risk Assessment & Planning

### Pre-Event Planning Measures

- Site inspection
- Risk mapping, Permissions and conditions
- Capacity assessment
- Route planning
- All safety Precautions
- Briefing and Rehearsal

### Details

- Entry/Exit routes
- Emergency evacuation plan
- Traffic diversion maps
- Vulnerable point identification
- Assessment of Potential Risks
- VIP entry route and corridor
- Inter agency coordination Police, Admn, Health, Fire, SDRF/NDRF, Transport, PWD, PHED, Local bodies
- Volunteers deployment
- Lost a found centers



Briefing Of Security Force

## Technology for Crowd Control

- CCTV surveillance
- Drone monitoring
- GPS-enabled patrolling
- Public announcement system
- Location scanner system
- Traffic Light Control
- Frisking and scanning equipment's

## Benefits

- Real-time monitoring
- Quick decision-making
- Faster emergency response



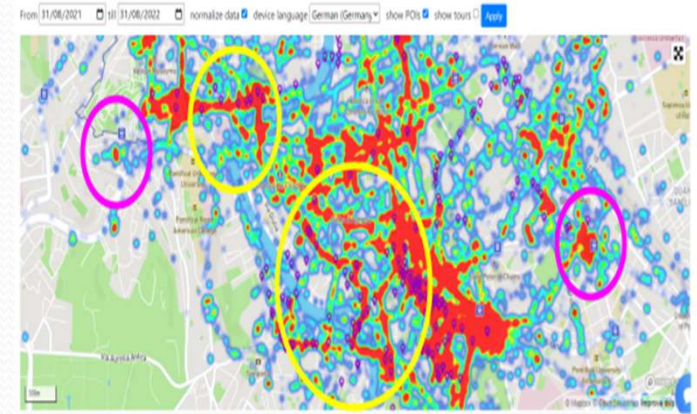
Drone Monitoring



Real Time Monitoring

## AI-Based Crowd Management Role of Artificial Intelligence

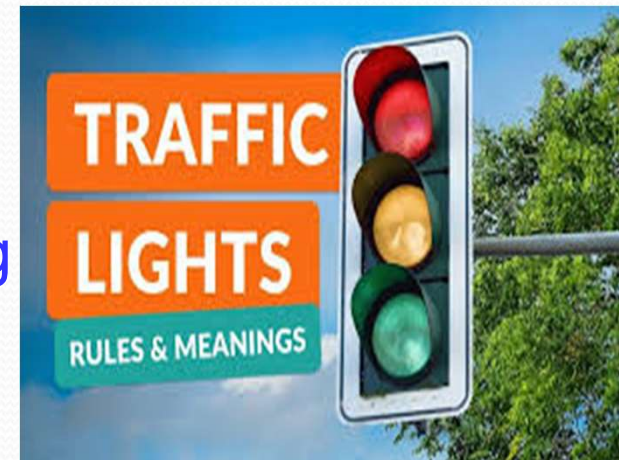
- Crowd density prediction
- Heat map generation
- Suspicious activity detection
- Traffic flow prediction



## AI Use Cases

- Facial recognition
- Smart alert system
- Social media rumor monitoring
- Traffic light control
- Route Plan

AI Heat Map Generation Photo



AI Operated Traffic Lights

# Khatu Shyam Ji Mela Management (Rajasthan) Crowd Management at Khatu Shyam Ji)

History- Stampede (Date 08.08.2022) 03 Dead and  
04 Serious injured

- Online registration
- Queue management
- Drone surveillance
- Medical camps

Khatu Shyam Ji Temple



## Operational Measures

- Parking zones
- Diversion routes
- Control room
- CCTV monitoring

Khatushyam Ji Mela Parking



# SOP by Police Headquarters Jaipur- 24-04-2026

## **1 PREPLANNING**

- Permission Requirement
- Prediction of crowd and hazards
- Venue & and Route safety
- Fire Audit
- Strategy for crowd control
- Emergency evacuation plan
- Traffic management
- Coordination with Hosts
- Publicity by social Media and News Papers

## **2 Crowd control Plan**

- Sector, Barricading , Special corridor, Entry-exit

## **3 Deployment of force and access control**

- Deployment of trained force
- Entry checking and verification
- Queue management

## **4 Communication and Signs**

- Barrier and directions
- Public address system

## 5 Command control and role

- Responsibility for Programme

## 6 Emergency planning

- Emergency response plan
- Training and rehearsal

## 7 Crowd Dispersal Plan

- General occasions
- During agitation etc
- Use of force
- Arrest and restrict

## 8 Documentaion



Command Control System



Crowd Dispersal Photo

## Crowd Control During Disasters

- Law and order duty by Civil Police
- Traffic and Route Management
- Scene Secure and barricading
- Decide safe zone
- Face the public outrage
- Incident command post
- Public address system

## Conclusion

Crowd disasters are preventable through:

- Pre-Planning and Home Work
- Technology
- Coordination
- Public cooperation



Kumbh Mela Prayagraj 2025

## Closing Line

“From lessons of past tragedies to adoption of AI-driven systems, Rajasthan is continuously strengthening crowd control measures as a model for other states also.”



**HELPING HAND  
SDRF**

**Thank you**

**“जय हिन्द”**

