



SMART CITY – SAFE CITY

By

Anvesh Mangalam, IPS

Additional Director General of Police, M P Police

And

Dr. Sandeep Goyal,

Senior Principal Scientist, MPCST

CHALLENGES

1. City and highway surveillance and safety

- i. General safety
- ii. Crime against vulnerable groups especially women, children, senior citizen
- iii. Hot spot analysis and surveillance for management of a. Accident prone spots;
b. Crime (including type of crime) prone spots;
c. Communal harmony disturbance prone spots;
d. Anti-terror, LWE, Organized crime spots.

2. Traffic Control and Management

- i. Traffic control, Traffic regulation, diversion, road clearance etc.;
- ii. Facilitate fast track and easy movement of persons requiring greater degree of safety and security;
- iii. Enforcement including challenging defaulting riders/driver/vehicles.

CHALLENGES

3. Accident Trauma care & Emergency services

- i. Accident trauma relief;
- ii. Security/ crime generated emergency;
- iii. Fire Fighting Assistance and fire safety;
- iv. Medical emergency;
- v. Disaster (manmade / natural) generated emergency.
- vi. Trained and technically skilled man power at villages falling near highways.
- vii. Civil Infrastructure with life saving equipment

4. Mobility assistance

- i. Debris clearance services (arising due to crime or road accidents);
- ii. Accident victim (first aid/ambulance) assistance;
- iii. Scene of crime police assistance for humanitarian, medical and legal help.

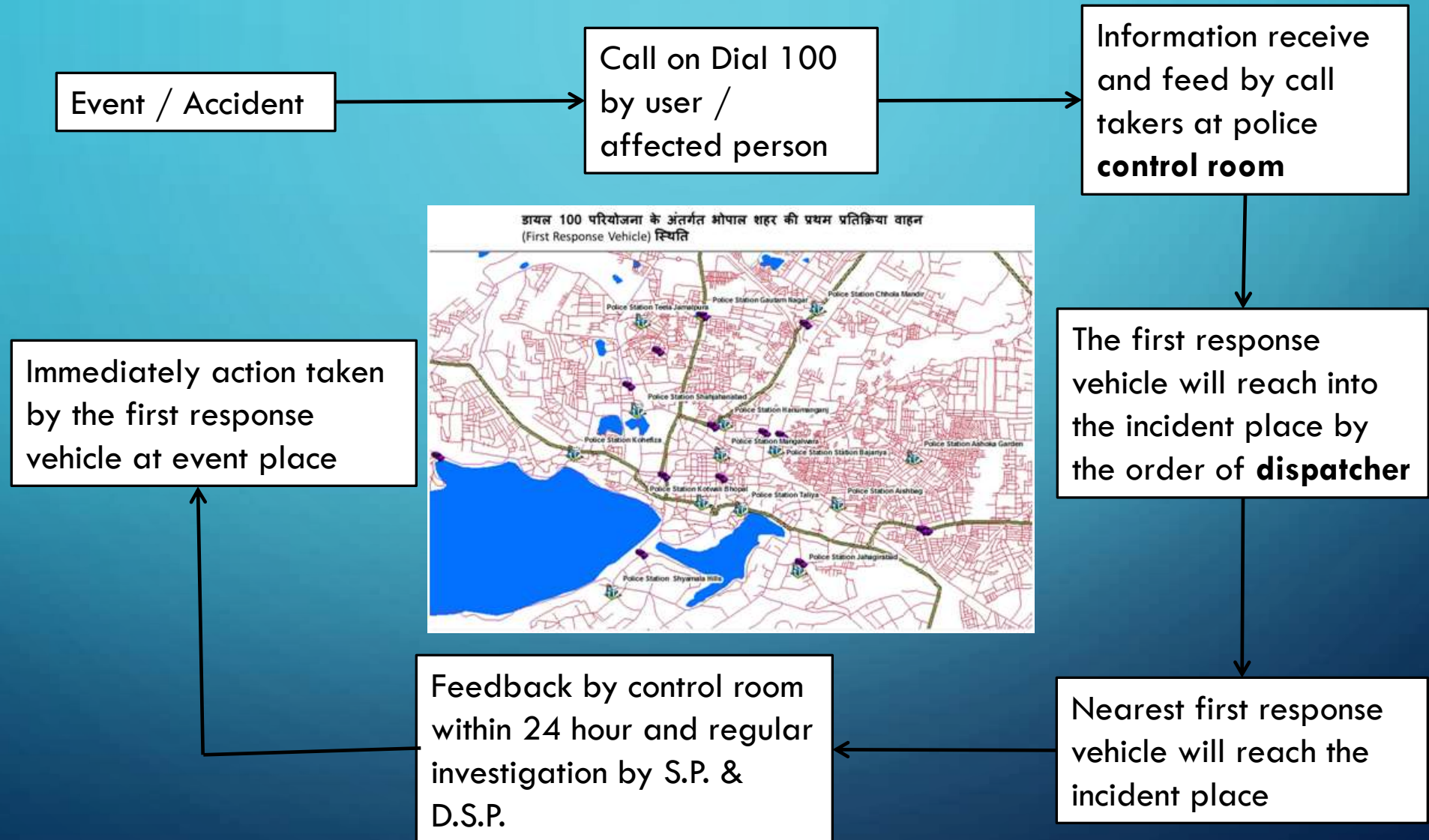
ACTIONS REQUIRED

1. Emergency Response system (Dial -100 centralised call central for whole state) to improve quality and speed of distress call from people.
2. Dedicated Women Helpline
3. CCTV Network for Surveillance
4. Modernised Ambulance Services
5. Fire services run by Municipal bodies

To re-engineer the existing system and to provide better services to the citizens of Madhya Pradesh, intervention of technology applications being taken are as given below-

- 1. GIS enabled maps** with various required layers integrated with **Vehicle mounted GPS and AVLS, call response and distress management system.**
- 2. A state level Command and Control Centre for Dial 100** with voice logging facilities at centralized control room.
- 3. integration with 108 Ambulance system.**
- 4. Linkage of system** with various other searchable database debris clearance facilities data, motor vehicle ownership database, Crime record database (in real time data search / transfer as per requirement.
- 5. Integrated CCTV/PTZ based (IP enabled cameras) surveillance system** at state level master control cum call centre / distributed networked control rooms, with cameras at various cross- sections of municipal roads highways/ hot spots, video content analytics software, **automatic number plate recognition (ANPR)** and **face recognition software** etc. with auto log and auto control.

Dial 100 – State Police Control Room



I/Calltaker Event Information

*1 Name: *2 Phone:

3 Address:



☒ Create
☐ Update
☐ Select

UCID:

Location Details

* 4 District: 5 Tehsil: 6 Police Station:

7 Village: 8 Road: 8A Street:

9 Locality: 10 Colony: 11 House No:

12 Category: 13 SubCategory:

^ 14 Caller Input: ^ 15 Point of Interest:

Location:

16 Info/Details/Remarks/Comments:

16 Info/Details/Remarks/Comments:

Stacked

History

Added:

Dispatch:

Enroute:

Arrive:

*17 Event type: *18 SubType:

Agency	Response	Priority	SDOP	District/Group	Event Number	Type
MPPDEF						
MPPGRP						

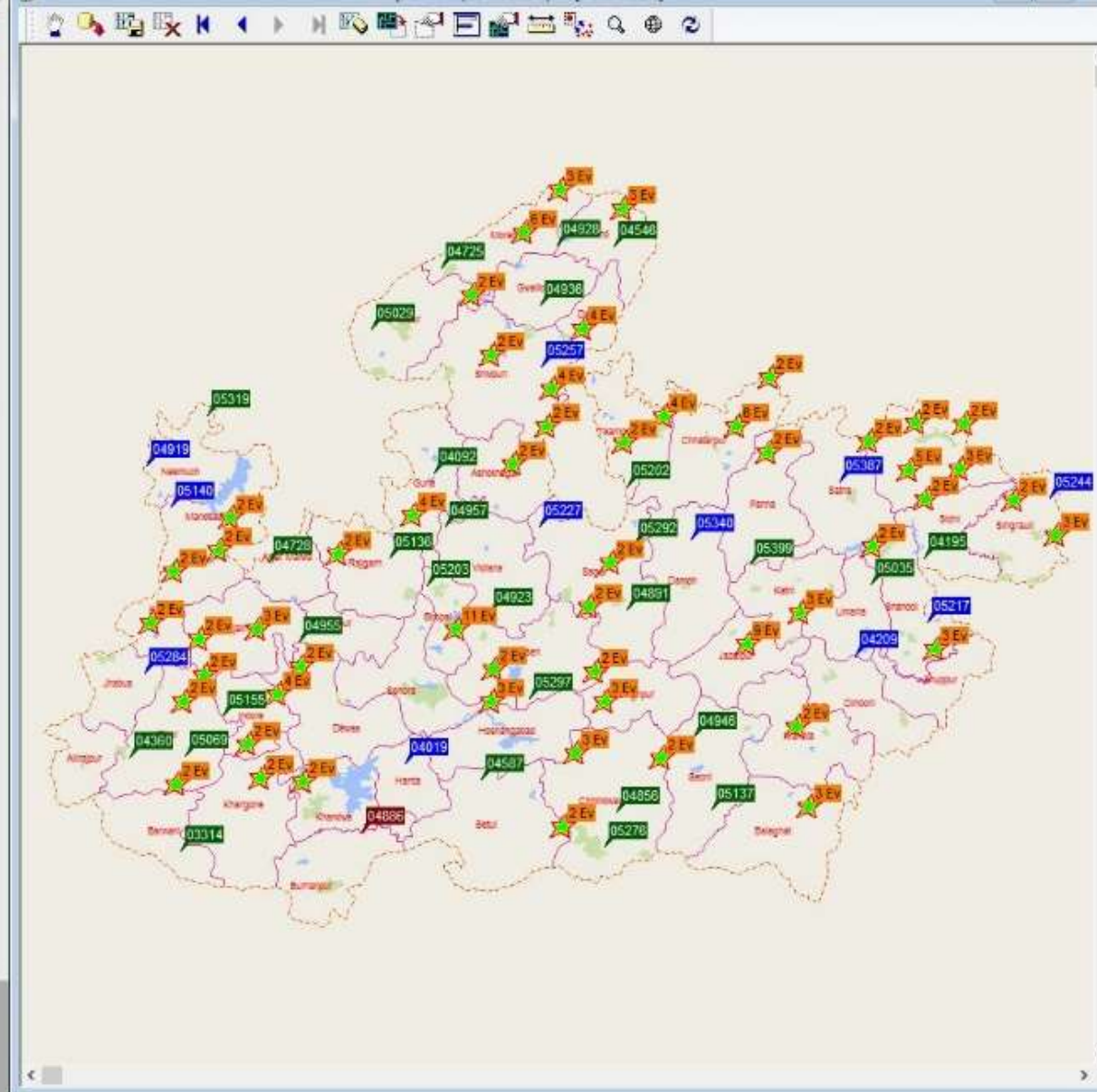
Orig Term:

>0 is Serious

* fields are mandatory fields. For '^' fields, select either 1 or 2 fields in Location Details.

Agency	Response	Priority	SDOP	District/Group	Event Number	Type
A @	447	P17023003119	MISCELLANEOUS	LL(80.06:41.9616,25:17:09.3228): ABHAU		
A R	443	P17023003141	WATER	LL(81.49:17.1588,24:55:44.2561)		
A @	426	P17023003291	CRIME_BODY	LL(78:11:29.0002,25:10:40.0007): EST SH 19 HWY/UNKNOWN ST BHAU		
A @	423	P17023003314	NUISANCE	LL(75:11:51.9597,21:36:37.6381)		
A @	341	P17023003615	ACCIDENT_ROAD	LL(76:04:23.0445,22:58:40.6558): EST UNKNOWN ST DEWAS DWS		

Map View (951.02 km) - [Total: 197]



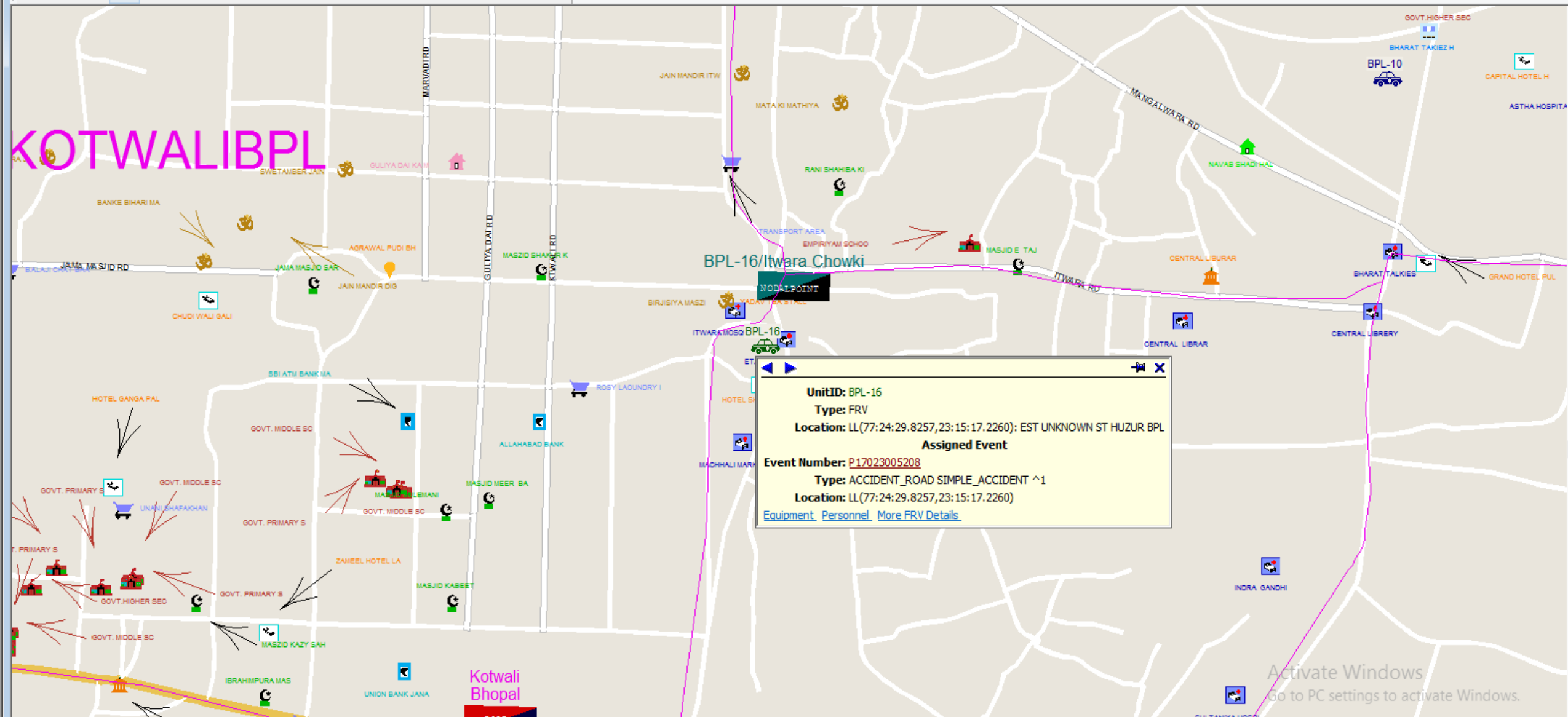
[illegible]

© 2011 Pearson Education, Inc. All rights reserved. Printed in the United States of America.

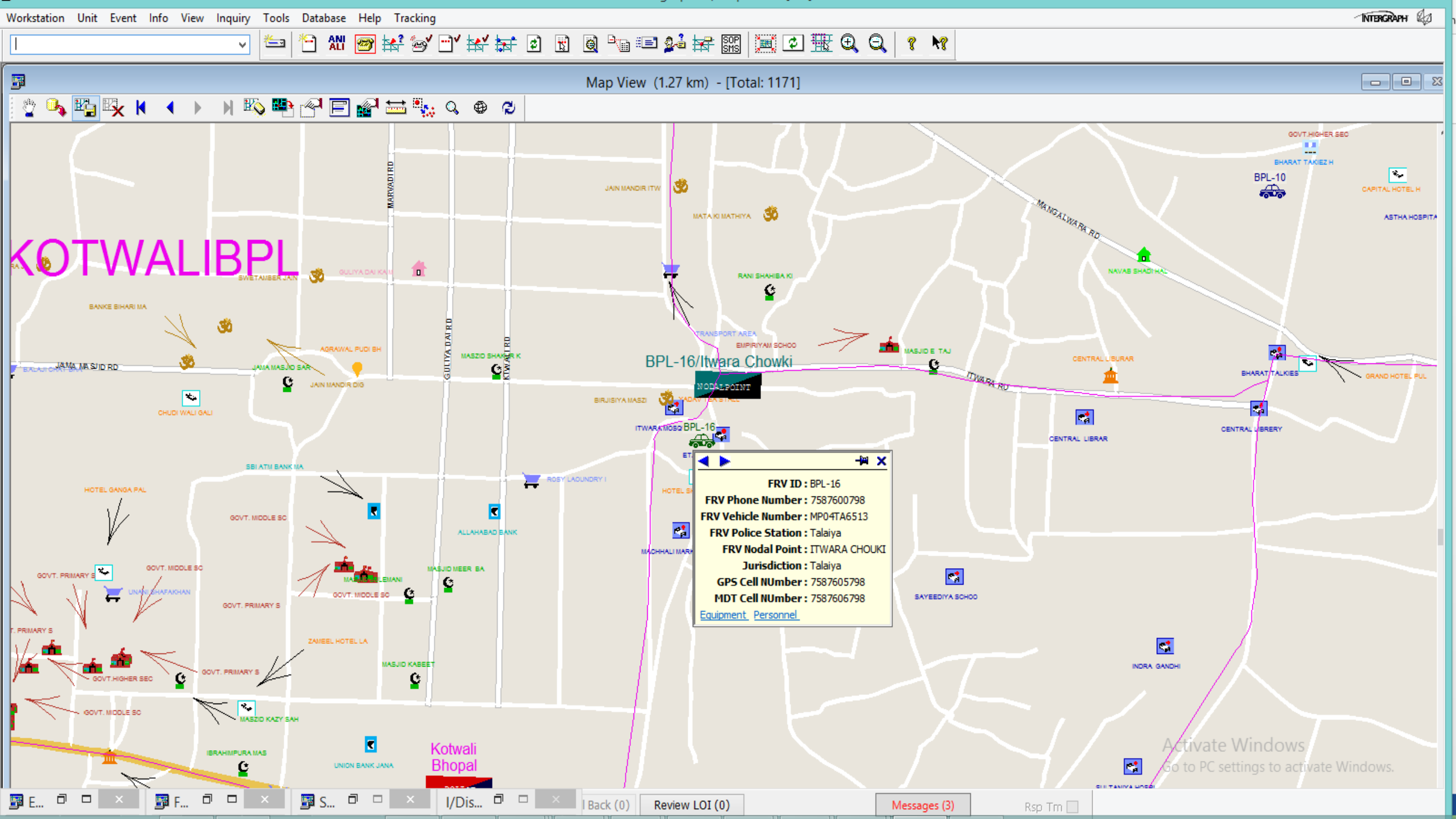
























Map View (1.27 km) - [Total: 1172]



Activate Windows
Go to PC settings to activate Windows.



FRV/Event Status							
Available 760		Busy on Event 236		All 996			
Unit	Info	Type	St	Time	MDTConnection	Popup	MDTSta
DMH-01	 	FRV	AK	0:00	In Network		
PNA-01		FRV	AK	0:00	In Network		
TKG-02	 	FRV	AK	0:00	In Network		
			D	0:03			
KGN-03		FRV	ER	0:00	Not in Network		
NSP-18	 	FRV	ER	0:00	In Network		
RJH-06	 	FRV	ER	0:00	Not in Network		
SDI-09	 	FRV	DP	0:00	In Network		Dispatchin
RTM-17	 	FRV	ER	0:01	Not in Network		
STA-15	 	FRV	ER	0:00	In Network		

CCTV Network for City Surveillance

1. CCTV network in 11 cities of Madhya Pradesh has been established
2. It includes ANPR, Facial Recognition, IR sensors for night vision, auto log, auto alarm system etc.
3. The system is completely GIS based including Open Source Intelligence such as fetching the information from Facebook, Twitter etc.
4. 50 towns being taken up in second phase
5. One State Command and Control room and District wise control rooms have been designed
6. Integration of these control rooms with Dial 100 State control room
7. Integration of Crime records database, Vehicle Registration database with Dial 100 is proposed

Other Measures

1. Dedicated women helpline 1090
2. E-Challan system for traffic violation control
3. Publicity through Electronic hoardings, PA Systems, Advertisements in theatres, awareness campaign, mock drills etc.
4. Designed the mobile, web and MDT applications for GIS data collection and updation.
5. Regular trainings of Police force to improve GIS literacy.



M P Police committed to make cities of Madhya Pradesh as safe cities.

M P Council of Science & Technology committed to be the backbone of M P Police for providing Technology support and Human Resource Development.

THANK YOU

