

**RA**

## **Route Analytics Pro**

Advanced Route Safety & Analytics with Real-Time Network Data

# **Enhanced Route Safety Analysis - Comprehensive Maps & Network Coverage**

Comprehensive Maps, Network Coverage & Safety Analysis

**Report Generated:**

May 29, 2025 at 06:34 AM

## Route Overview

From: Unnamed Road, Oil Industry Terminals, Partapur, Meerut, Uttar Pradesh 250002, India

To: V85H+WR5, Saharanpur Rd, Ambehata Dehat, Ambheta, Uttar Pradesh 247340, India

Distance: 131 km

Estimated Duration: 2 hours 27 mins

Vehicle Type: Car

Report Type: Enhanced Full

Analysis Date: May 29, 2025 at 06:34 AM

## COMPREHENSIVE ROUTE MAP - ALL POINTS MARKED

### COMPREHENSIVE ROUTE MAP LEGEND:

[START] Green: Route start point  
[END] Red: Route destination point  
[EXTREME] Dark Red: Blind spots (>80deg) - EXTREME DANGER  
[DANGER] Red: Sharp turns (70-80deg) - HIGH DANGER  
[CAUTION] Orange: Moderate turns (45-70deg) - CAUTION REQUIRED  
[HOSPITAL] Blue: Hospitals - Emergency medical services  
[FUEL] Purple: Petrol pumps - Fuel stations  
[SCHOOL] Yellow: Schools - Speed limit zones (reduce to 40 km/h)  
[FOOD] Cyan: Restaurants/Food stops - Rest areas  
[POLICE] Black: Police stations - Security services  
[HIGH-ELEV] Brown: High elevation points (>1000m)  
[LOW-ELEV] Light Green: Low elevation points  
[NETWORK-DEAD] Gray: Network dead zones - NO signal  
[NETWORK-POOR] Pink: Poor network coverage  
[NETWORK-GOOD] Light Blue: Good network coverage

This map shows EVERY analyzed point with color-coded markers for instant visual identification of hazards, services, and network coverage.

### COMPREHENSIVE ROUTE STATISTICS:

Total Route Points Analyzed: 2684  
Total Distance: 131 km  
Estimated Duration: 2 hours 27 mins

#### HAZARD ANALYSIS:

\* Extreme Blind Spots (>80deg): 6 [Dark Red markers]  
\* High-Danger Sharp Turns (70-80deg): 1 [Red markers]  
\* Moderate Caution Turns (45-70deg): 8 [Orange markers]  
Total Hazardous Turns: 15

#### ELEVATION ANALYSIS:

\* High Elevation Points (>1000m): 0 [Brown markers]  
\* Low Elevation Points (<500m): 10 [Light Green markers]  
Total Elevation Points: 10

#### NETWORK COVERAGE ANALYSIS:

\* Dead Zones (No Signal): 0 [Gray markers]  
\* Poor Coverage Areas: 4 [Pink markers]

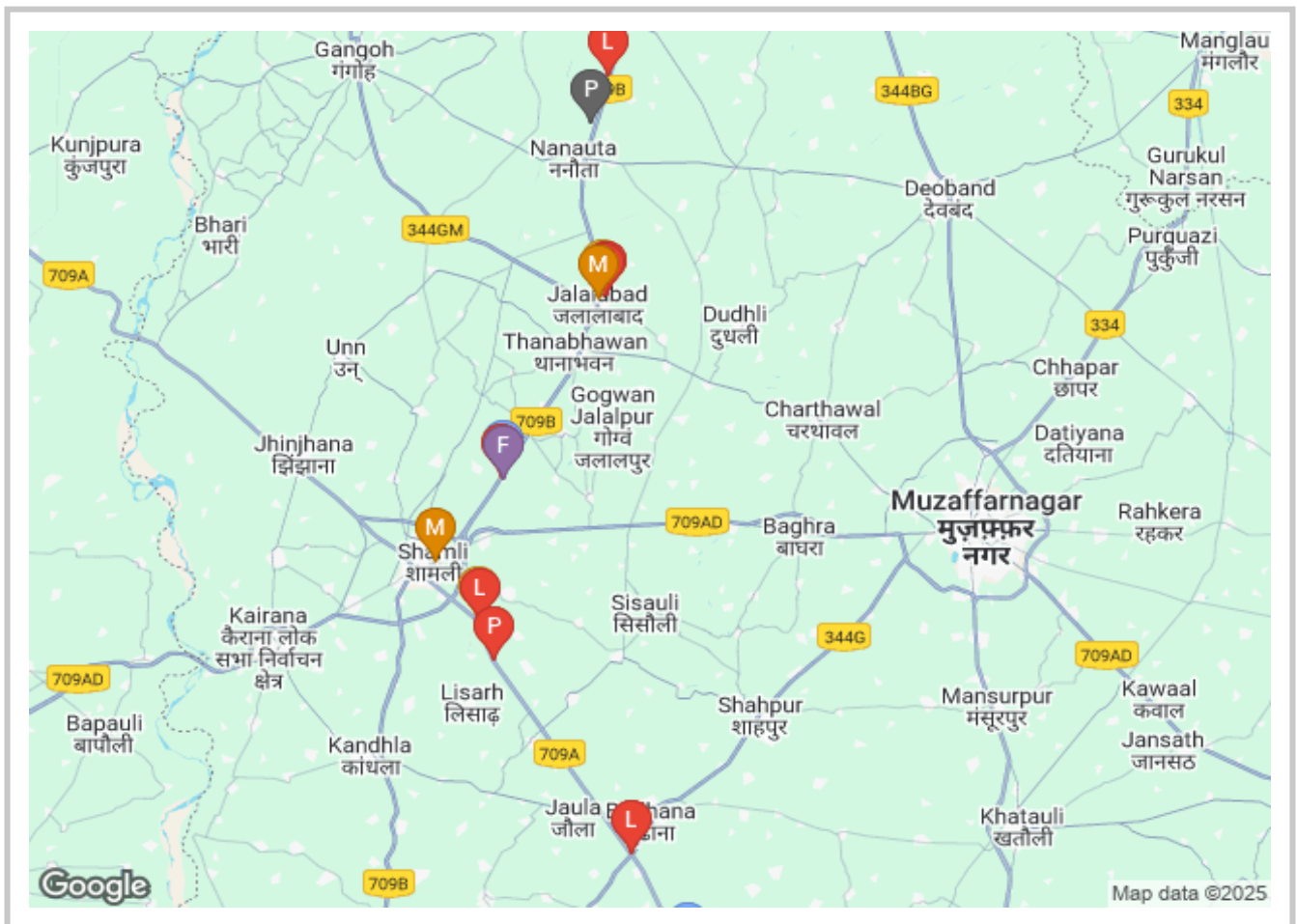
API Success Rate: 100.0%

POINTS OF INTEREST:

- \* Hospitals: 15 [Blue markers]
  - \* Fuel Stations: 13 [Purple markers] # FIXED: was 'petrel\_bunks'
  - \* Schools: 14 [Yellow markers]
  - \* Food Stops: 15 [Cyan markers]
  - \* Police Stations: 12 [Black markers]
- Total POIs: 69

SAFETY SCORE: 0/100

[COMPREHENSIVE MAP] ALL POINTS WITH COLOR-CODED MARKERS:



Comprehensive map showing 44 analyzed points with color-coded markers

Marker Breakdown: Start: 1, End: 1, Blind\_Spot: 6, Sharp\_Turn: 1, Moderate\_Turn: 8, Elevation\_Low: 10, Network\_Poor: 3, Hospital: 4, Petrol\_Pump: 3, School: 3, Food: 2, Police: 2

## NETWORK COVERAGE MAP - DETAILED ANALYSIS

### NETWORK COVERAGE MAP LEGEND:

[EXCELLENT] Dark Green: Excellent signal (>-70 dBm) - Full connectivity

[GOOD] Green: Good signal (-70 to -85 dBm) - Reliable connectivity

[FAIR] Yellow: Fair signal (-85 to -100 dBm) - Adequate connectivity

[POOR] Orange: Poor signal (-100 to -110 dBm) - Unreliable connectivity

[DEAD] Red: No signal (<-110 dBm) - No connectivity

[FAILED] Gray: API failed - Coverage unknown

Each marker represents a real-time network coverage test point along your route.

Coverage data obtained from live cellular network APIs.

### NETWORK COVERAGE ANALYSIS RESULTS:

Total Points Tested: 135

API Success Rate: 100.0%

Overall Coverage Score: 60.0/100

### SIGNAL QUALITY DISTRIBUTION:

\* Excellent Coverage: 0 points

\* Good Coverage: 0 points

\* Fair Coverage: 135 points

\* Poor Coverage: 0 points

\* Dead Zones: 0 points

\* API Failures: 0 points

### CRITICAL ALERTS:

\* Confirmed Dead Zones: 0 areas

\* Poor Coverage Areas: 4 areas

### TECHNOLOGY AVAILABILITY:

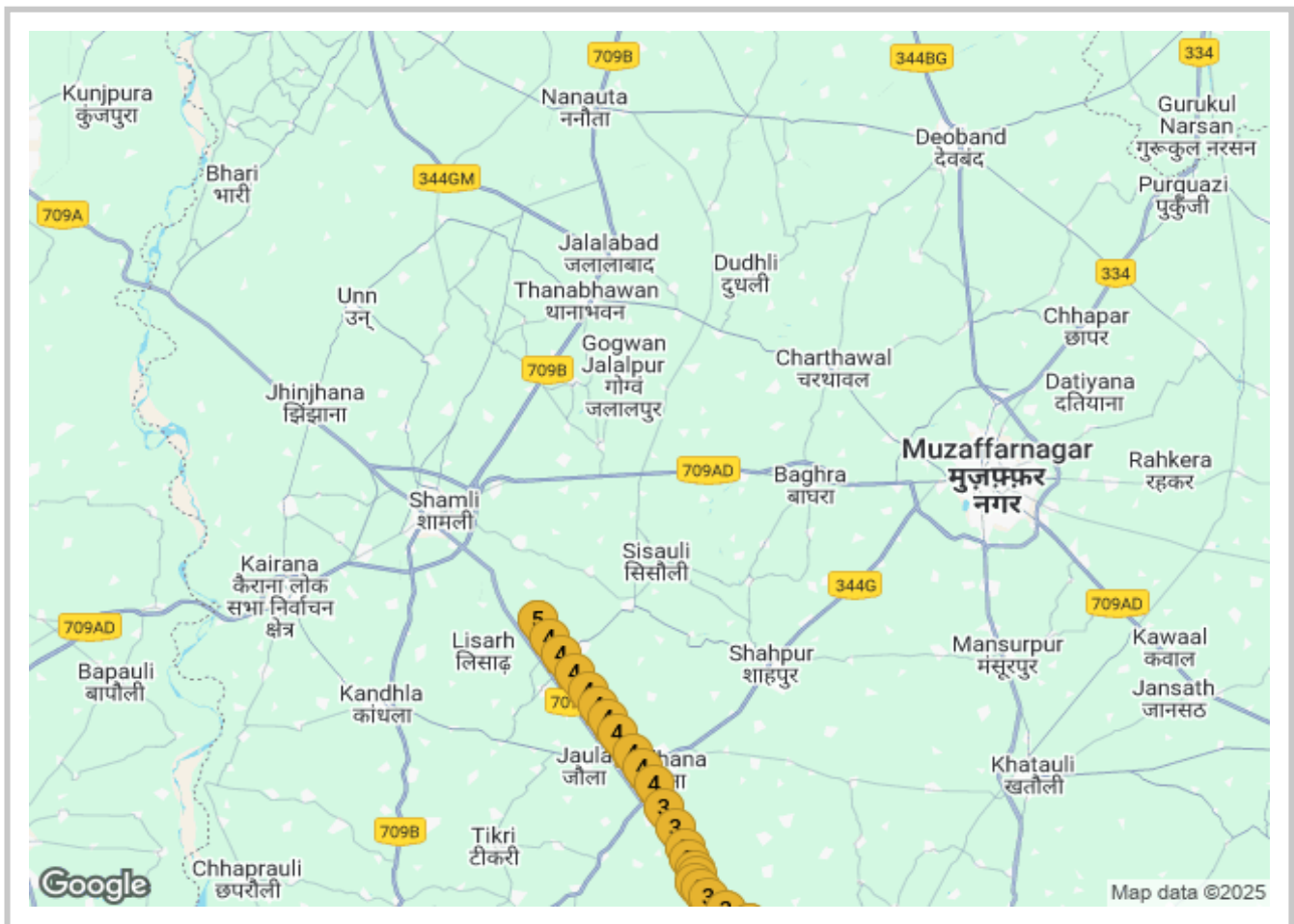
\* 5G Coverage: 0 points

\* 4G/LTE Coverage: 0 points

\* 3G Coverage: 135 points

\* 2G Coverage: 135 points

## [NETWORK MAP] REAL-TIME COVERAGE DATA WITH QUALITY MARKERS:



Network coverage map showing 135 real-time test points

Coverage Quality: Fair: 135

#### NETWORK COVERAGE SAFETY RECOMMENDATIONS:

##### CRITICAL DEAD ZONES (0 areas):

- \* NO cellular coverage - Emergency calls impossible
- \* Download offline maps before departure
- \* Inform contacts of communication blackouts
- \* Consider satellite communication devices
- \* Travel with companions when possible

##### POOR COVERAGE ZONES (4 areas):

- \* Unreliable connectivity - Calls may drop
- \* Send location updates before entering these areas
- \* Keep devices fully charged
- \* Use WiFi calling when available
- \* Allow extra time for communications

##### GENERAL NETWORK SAFETY:

- \* Test your network provider's coverage along the route
- \* Carry portable chargers/power banks
- \* Download emergency contact numbers offline
- \* Consider multiple network providers if traveling frequently
- \* Know locations of cell towers along major routes

## Overall Route Risk Level

**RISK LEVEL: HIGH RISK**

### Risk Segment Breakdown:

High Risk Segments: 7

Medium Risk Segments: 12

Low Risk Segments: 6

Total Segments Analyzed: 25

[WARNING] CRITICAL: This route contains high-risk segments requiring extreme caution.