



HINDUSTAN PETROLEUM CORPORATION

Journey Risk Management Division

Powered by Route Analytics Pro - AI Intelligence Platform

COMPREHENSIVE JOURNEY RISK MANAGEMENT ANALYSIS REPORT

Enhanced with Artificial Intelligence & Multi-API Analysis

ROUTE ANALYSIS DETAILS

Route ID: a3c3ec01-48e...

Origin: Unnamed Road, Oil Industry Terminals, Part

Destination: V85H+WR5, Saharanpur Rd, Ambehata Dehat, A

Total Distance: 131 km

Estimated Duration: 2 hours 27 mins

Analysis Date: June 09, 2025

Report Generated: 05:06 PM

This report contains comprehensive analysis with visual evidence, real-time API integration, and AI-powered insights for enhanced journey risk management

COMPREHENSIVE ROUTE OVERVIEW & STATISTICS

ROUTE INFORMATION

From Address	Unnamed Road, Oil Industry Terminals, Partapur, Meerut,
To Address	V85H+WR5, Saharanpur Rd, Ambehata Dehat, Ambheta, Uttar
Total Distance	131 km
Estimated Duration	2 hours 27 mins
Route Points Analyzed	2,684
Analysis Timestamp	2025-06-09 07:04:45

ENHANCED SAFETY RISK ANALYSIS

TOTAL RISK POINTS: 182 | STATUS: EXTREME RISK

DETAILED RISK SCORING BREAKDOWN

Hazard Type	Count	Points Each	Total Points	Risk %	Status
Extreme Turns (>=	6	+20	120	65.9%	CRITICAL
High-Risk Blind	0	+15	0	0.0%	OK
Sharp Danger Zon	1	+10	10	5.5%	MODERATE
Network Dead Zon	6	+8	48	26.4%	HIGH
Poor Coverage Ar	1	+4	4	2.2%	LOW
TOTAL RISK POINTS			182	100%	EXTREME

RISK POINTS INTERPRETATION GUIDE

Risk Points Range	Safety Level	Action Required	Route Recommendation
0-19 Points	SAFE ROUTE	Standard prec	Approved for all vehicle t
20-49 Point	LOW RISK	Basic safety	Suitable with normal care
50-99 Point	MODERATE R	Enhanced prec	Extra caution required
100-149 Poi	HIGH RISK	Significant s	Consider alternative route
150+ Points	CRITICAL R	Extreme cauti	Route not recommended

IDENTIFIED RISK FACTORS

- * 6 extreme turns requiring extreme caution (+120 risk points)
- * 6 communication dead zones (+48 risk points)
- * 1 areas with poor network coverage (+4 risk points)

RISK-BASED SAFETY RECOMMENDATIONS

CRITICAL: Consider alternative route - current route extremely dangerous

If route unavoidable: Convoy travel mandatory, satellite communication required

Emergency response plan required, inform authorities of travel

- Ensure vehicle is in optimal condition before journey
- Plan rest stops at safe locations identified in the route
- Maintain extra distance from other vehicles in risk areas

SHARP TURNS ANALYSIS WITH DUAL VISUAL EVIDENCE

Total Sharp Turns Detected	15
Extreme Danger Turns (>=90 deg)	6
High-Risk Blind Spots (80-90 deg)	0
Sharp Danger Zones (70-80 deg)	1
Moderate Risk Turns (45-70 deg)	8
Most Dangerous Turn Angle	180.0 deg
Average Turn Angle	88.4 deg
Street View Images Available	7
Satellite Images Available	7
Route Map Images Available	1
Total Visual Evidence Files	15

[OK] VISUAL EVIDENCE STATUS: EXCELLENT VISUAL EVIDENCE (14 images)

TURN CLASSIFICATION SYSTEM

Angle Range	Classification	Risk Level	Max Speed	Safety Requirement
>=90 deg	EXTREME BLIND S	CRITICAL	15 km/h	Full stop may be requ
80-90 de	HIGH-RISK BLIND	EXTREME	20 km/h	Extreme caution requi
70-80 de	BLIND SPOT	HIGH	25 km/h	High caution required
60-70 de	HIGH-ANGLE TURN	MEDIUM	30 km/h	Moderate caution requ
45-60 de	SHARP TURN	LOW	40 km/h	Normal caution requir

CRITICAL TURNS WITH DUAL VISUAL EVIDENCE ANALYSIS

CRITICAL TURN #1: 180.0 deg - EXTREME BLIND SPOT - CRITICAL RISK	
GPS Coordinates	29.799710, 77.462060
Turn Angle	180.0 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	1 images available
Satellite Images	1 images available
Total Visual Evidence	2 images for analysis

VISUAL EVIDENCE FOR TURN #1:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_1_h0.jpg
Size: 8.6 KB
GPS: 29.7997, 77.4621

- ROAD ANALYSIS:
- * Turn angle: 180.0 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_1.png
Size: 317.6 KB
GPS: 29.7997, 77.4621

- AERIAL ANALYSIS:
- * Turn geometry: 180.0 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #2: 159.6 deg - EXTREME BLIND SPOT - CRITICAL RISK

GPS Coordinates	29.800050, 77.458640
Turn Angle	159.6 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	2 images available
Satellite Images	2 images available
Total Visual Evidence	4 images for analysis

VISUAL EVIDENCE FOR TURN #2:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_2_h0.jpg
Size: 59.0 KB
GPS: 29.8000, 77.4586

- ROAD ANALYSIS:
- * Turn angle: 159.6 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_2.png
Size: 308.2 KB
GPS: 29.8000, 77.4586

- AERIAL ANALYSIS:
- * Turn geometry: 159.6 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #3: 159.6 deg - EXTREME BLIND SPOT - CRITICAL RISK

GPS Coordinates	29.800050, 77.458640
Turn Angle	159.6 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	2 images available
Satellite Images	2 images available
Total Visual Evidence	4 images for analysis

VISUAL EVIDENCE FOR TURN #3:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_2_h0.jpg
Size: 59.0 KB
GPS: 29.8000, 77.4586

- ROAD ANALYSIS:
- * Turn angle: 159.6 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_2.png
Size: 308.2 KB
GPS: 29.8000, 77.4586

- AERIAL ANALYSIS:
- * Turn geometry: 159.6 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #4: 113.0 deg - EXTREME BLIND SPOT - CRITICAL RISK

GPS Coordinates	29.801760, 77.459240
Turn Angle	113.0 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	2 images available
Satellite Images	2 images available
Total Visual Evidence	4 images for analysis

VISUAL EVIDENCE FOR TURN #4:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_4_h0.jpg
Size: 59.5 KB
GPS: 29.8018, 77.4592

- ROAD ANALYSIS:
- * Turn angle: 113.0 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_4.png
Size: 342.8 KB
GPS: 29.8018, 77.4592

- AERIAL ANALYSIS:
- * Turn geometry: 113.0 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #5: 113.0 deg - EXTREME BLIND SPOT - CRITICAL RISK

GPS Coordinates	29.801760, 77.459240
Turn Angle	113.0 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	2 images available
Satellite Images	2 images available
Total Visual Evidence	4 images for analysis

VISUAL EVIDENCE FOR TURN #5:

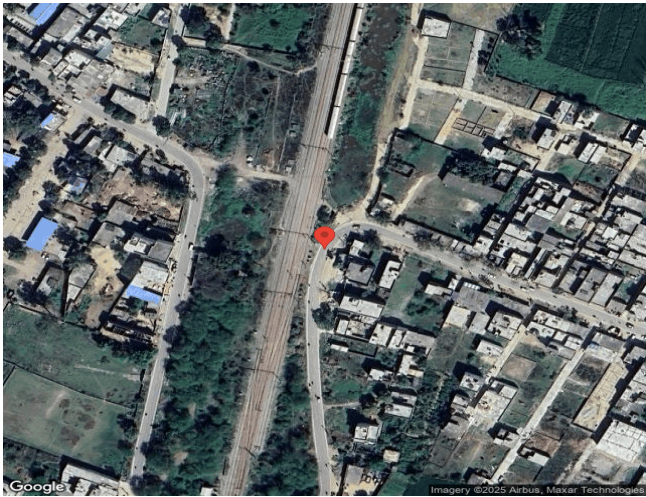
STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_4_h0.jpg
Size: 59.5 KB
GPS: 29.8018, 77.4592

- ROAD ANALYSIS:
- * Turn angle: 113.0 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_4.png
Size: 342.8 KB
GPS: 29.8018, 77.4592

- AERIAL ANALYSIS:
- * Turn geometry: 113.0 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #6: 97.4 deg - EXTREME BLIND SPOT - CRITICAL RISK

GPS Coordinates	29.804640, 77.454670
Turn Angle	97.4 deg (Deviation from straight path)
Risk Classification	EXTREME BLIND SPOT - CRITICAL Risk Level
Recommended Maximum Speed	15 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	1 images available
Satellite Images	1 images available
Total Visual Evidence	2 images for analysis

VISUAL EVIDENCE FOR TURN #6:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_6_h0.jpg
Size: 48.4 KB
GPS: 29.8046, 77.4547

- ROAD ANALYSIS:
- * Turn angle: 97.4 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: CRITICAL
 - * Max speed: 15 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_6.png
Size: 353.5 KB
GPS: 29.8046, 77.4547

- AERIAL ANALYSIS:
- * Turn geometry: 97.4 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #7: 75.7 deg - BLIND SPOT - HIGH RISK

GPS Coordinates	29.625320, 77.439180
Turn Angle	75.7 deg (Deviation from straight path)
Risk Classification	BLIND SPOT - HIGH Risk Level
Recommended Maximum Speed	25 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	1 images available
Satellite Images	1 images available
Total Visual Evidence	2 images for analysis

VISUAL EVIDENCE FOR TURN #7:

STREET VIEW ANALYSIS:



STREET VIEW DATA:
File: streetview_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_7_h0.jpg
Size: 50.9 KB
GPS: 29.6253, 77.4392

- ROAD ANALYSIS:
- * Turn angle: 75.7 degrees
 - * Visibility: Limited due to sharp curve
 - * Hazard level: HIGH
 - * Max speed: 25 km/h

SATELLITE VIEW ANALYSIS:



SATELLITE VIEW DATA:
File: satellite_a3c3ec01-48e5-4165-afd4-942977ae3e5b_turn_7.png
Size: 299.5 KB
GPS: 29.6253, 77.4392

- AERIAL ANALYSIS:
- * Turn geometry: 75.7 deg curve
 - * Road curvature: Sharp bend visible
 - * Terrain context: Aerial perspective
 - * Traffic flow impact: Potential bottleneck

CRITICAL TURN #8: 68.3 deg - HIGH-ANGLE TURN - MEDIUM RISK

GPS Coordinates	28.960250, 77.639950
Turn Angle	68.3 deg (Deviation from straight path)
Risk Classification	HIGH-ANGLE TURN - MEDIUM Risk Level
Recommended Maximum Speed	30 km/h
Safety Distance Required	Minimum 50m approach visibility
Driver Action Required	Reduce speed, check mirrors, signal early
Street View Images	0 images available
Satellite Images	0 images available
Total Visual Evidence	0 images for analysis

No visual evidence available for Turn #8
Images may be available at nearby coordinates: 28.9602, 77.6399