



# 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: 05:08 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

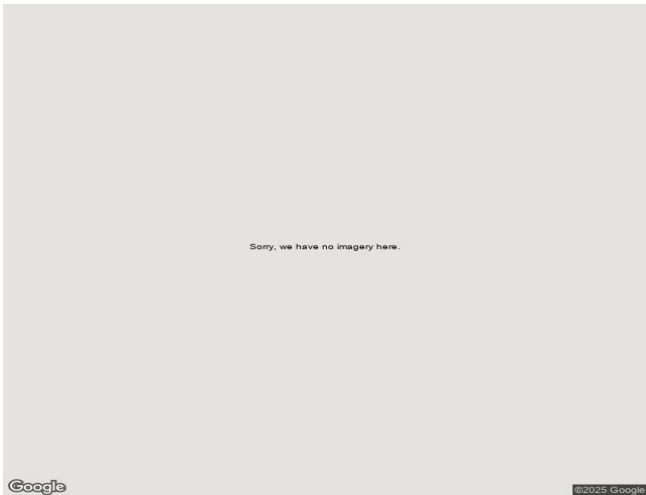
Angle Range	Classification	Risk Level	Max Speed	Safety Requirement
>=90 deg	EXTREME BLIND S	CRITICAL	15 km/h	Full stop may be requ
80-90 de	HIGH-RISK BLIND	EXTREME	20 km/h	Extreme caution requi
70-80 de	BLIND SPOT	HIGH	25 km/h	High caution required
60-70 de	HIGH-ANGLE TURN	MEDIUM	30 km/h	Moderate caution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

COMPREHENSIVE POINTS OF INTEREST ANALYSIS

Total POIs Identified	119
Emergency Services	44
Essential Services	25
Other Services	50
Coverage Score	100/100
Service Availability Rating	EXCELLENT

SERVICE AVAILABILITY: EXCELLENT SERVICE COVERAGE (100/100)



MEDICAL FACILITIES - Emergency Healthcare Services (25 found) - CRITICAL

#	Facility Name	Location/Address	Distance	Notes
1	Sanjeevani Yoga An	Unnamed Road, Surya P	Along ro	Emergenc
2	Chhatrapati Shivaj	Swami Vivekanand Subh	Along ro	Emergenc
3	Dr Lal PathLabs -	Shop No 17, Khana Pla	Along ro	Emergenc
4	Kalka Dental Colle	near Partapur Flyover	Along ro	Emergenc
5	Davki Nandan Hospi	Devkinandan hospital,	Along ro	Emergenc
6	kailashi super spe	C-2 Shardhapuri Phase	Along ro	Emergenc
7	Hans Multispeciali	512, Sardhana Road, O	Along ro	Emergenc
8	Prakash Hospital	1/108, Dantal Jatoli	Along ro	Emergenc
9	Omnibus Healthcare	1H, NH58, Ansal City,	Along ro	Emergenc
10	G.M. Modi Hospital	3P75+J72, Modipuram,	Along ro	Emergenc
11	Government Hospita	4GMR+XV2	Along ro	Emergenc
12	Community health c	4GMR+QWG, Meerut	Along ro	Emergenc
13	medical store	4GWP+9HQ, Dahar	Along ro	Emergenc
14	Aadi Medical Store	Jasar Sultannagar	Along ro	Emergenc
15	Panwar Medical Sto	5G49+MVV, Gotka	Along ro	Emergenc

LAW ENFORCEMENT - Security & Emergency Response (18 found) - CRITICAL

#	Facility Name	Location/Address	Distance	Notes
1	Nauchandi Police S	Mohsin Bagh, Manzoor	Along ro	
2	Shatabdi Nagar Pol	WMPG+W37, Shatabdi Na	Along ro	
3	Police Choki Shubh	XJ5Q+9R6, NH58, Meeru	Along ro	
4	Pari Chowk	WJPR+VG3, Pari Chowk,	Along ro	
5	Police Choki VedVy	XJ7R+37V, NH58, Ved V	Along ro	
6	Police chawki	2MMF+C6W, Unnamed Roa	Along ro	
7	Police Station, Ka	B30 Sardhana Road, Ka	Along ro	
8	Police Chowki kasb	1/126, Shradha Puri R	Along ro	
9	Police Choki	2PP4+QH4, Krishna Nag	Along ro	
10	Police post Modipu	Bus Station, 2PX4+JVG	Along ro	
11	Police check post	4HP8+GG5, Karnal - Me	Along ro	
12	Police Station Sar	4GMR+54G	Along ro	
13	Diwan ji	4GR9+GX, Jasar Sultan	Along ro	
14	Police Station	7FR9+29Q, Budhana	Along ro	
15	Bai wala police st	7F54+GM5, Budhana Roa	Along ro	

FIRE & RESCUE - Emergency Response Services (1 found) - CRITICAL

#	Facility Name	Location/Address	Distance	Notes
1	Fire Station Parta	WMC5+X9P, Sector 2, M	Along ro	

FUEL STATIONS - Vehicle Refueling Points (25 found) - ESSENTIAL

#	Facility Name	Location/Address	Distance	Notes
1	IndianOil	Rithani, Delhi - Meer	Along ro	Fuel
2	cng pump meerut	WMJ5+6X6, Block 4A, S	Along ro	Fuel
3	Hindustan Petroleu	Ground Floor, Crossin	Along ro	Fuel
4	Allen Oil	WMG5+4FP, Sector 2, M	Along ro	Fuel
5	Raj Service Statio	Bhoor Baral, NH 58, M	Along ro	Fuel
6	IndianOil	Sardhana Road, Kanker	Along ro	Fuel
7	Nayara Filling Sta	279/1, Shradha Puri R	Along ro	Fuel
8	IndianOil	Ground Floor,NH 58, H	Along ro	Fuel
9	IndianOil	Roorkee Road, Vivek V	Along ro	Fuel
10	IndianOil	Ground Floor, Roorkee	Along ro	Fuel
11	RDML Energy Servic	Bhuni Crossing Binoli	Along ro	Fuel
12	Petrol Pump	Meerut	Along ro	Fuel
13	Shiv Kailash Fuel	Meerut Karnal, Nation	Along ro	Fuel
14	Hindustan Petroleu	Khasra No 29 NH 709A,	Along ro	Fuel
15	IndianOil	Ground Floor, Julhera	Along ro	Fuel

EDUCATIONAL INSTITUTIONS - Speed Limit Zones (40 km/h) (25 found) - AWARENESS

#	Facility Name	Location/Address	Distance	Notes
1	Dewan Public Schoo	143, Delhi Road, Phas	Along ro	40 km/h
2	Bhai Joga Singh Pu	WMXM+H76, Surya Palac	Along ro	40 km/h
3	METRO PUBLIC SCHOO	Shatabdi Nagar, Ritha	Along ro	40 km/h
4	PRESIDENCY PUBLIC	WMPF+Q99, Delhi Road,	Along ro	40 km/h
5	SHEMROCK Smart Lea	Pocket B, NS-2, Shata	Along ro	40 km/h
6	St. Francis' Conve	Sardhana Road, Kanker	Along ro	40 km/h
7	St Mary's Academy	2M4X+H44, Cariappa Rd	Along ro	40 km/h
8	K.D. International	National Highway 58,	Along ro	40 km/h
9	J.P. International	opposite grand opera,	Along ro	40 km/h
10	American Kidz Play	Ark city D Block, Lax	Along ro	40 km/h
11	J.N.Public School	5GGW+WXW, Meerut	Along ro	40 km/h
12	Chaudhary Amar Sin	4HQ6+VMQ, Gotka	Along ro	40 km/h
13	Kadam Public Schoo	Bhooni Chauraha, Sham	Along ro	40 km/h
14	Guljaridrishi	4HP8+GG3, Road, Ranch	Along ro	40 km/h
15	saraswati shishu m	4GWP+HM9, Dahar	Along ro	40 km/h

FOOD & REST - Meal Stops & Driver Rest Areas (25 found) - CONVENIENCE

#	Facility Name	Location/Address	Distance	Notes
1	Hotel Bravura Gold	Delhi Roorkee, Bypass	Along ro	
2	CROWN Hotel & Rest	Ved Vyas Puri -Phase	Along ro	
3	Domino's Pizza   S	Shop No. 7A, Upper Gr	Along ro	
4	KFC	Sports Goods Complex,	Along ro	
5	SF Food Pure Veg P	3rd Floor, Food Court	Along ro	
6	Biggies Restaurant	NH-58, NH58, Meerut	Along ro	
7	Meera's Bistro Amo	2MF8+M9, Kanker Khera	Along ro	
8	Anupam Fast Food C	2PX4+HRP, Meerut Bypa	Along ro	
9	Aangan restaurant	160, opposite Hotel D	Along ro	
10	Veera deluxe Resta	2MQ8+9Q5, Sardhana By	Along ro	
11	Sunny restaurant	4HQ7+R7X, Bhuni	Along ro	
12	Fauji Restaurant &	4HP8+83G, Bhuni Chowk	Along ro	
13	CHAUDHARY DHABA	4HP9+XJJ, Sardhana -	Along ro	
14	Akki fast food	India	Along ro	
15	Green Vatika Resta	4HQC+5GH, Sardhana -	Along ro	

CRITICAL SERVICE GAPS IDENTIFIED

\* No critical service gaps identified - Good service coverage along route