



# HINDUSTAN PETROLEUM CORPORATION LIMITED

Risk Management Division - AI-Powered Analysis

## COMPREHENSIVE JOURNEY RISK MANAGEMENT ANALYSIS REPORT

Enhanced with Artificial Intelligence & Visual Evidence

### ROUTE ANALYSIS DETAILS

Route ID: 91945c9f-c91...

Origin: Unnamed Road, Oil Industry Terminals, Partapu

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

Total Distance: 131 km

Estimated Duration: 2 hours 27 mins

Analysis Date: June 09, 2025

Report Generated: 09:47 AM

*This report contains comprehensive analysis including visual evidence and AI-powered insights*

SHARP TURNS ANALYSIS WITH 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

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 REQUIRING IMMEDIATE ATTENTION

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

VISUAL EVIDENCE FOR TURN #1:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_1\_h0.jpg  
Size: 8.6 KB  
Location: 29.7997, 77.4621  
Captured: 2025-06-09 02:36

ANALYSIS:

- \* Turn angle: 180.0 deg
- \* Visibility: Limited due to sharp curve
- \* Road condition: Visual inspection required
- \* Hazard level: CRITICAL
- \* Recommended action: Reduce speed to 15 km/h

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

VISUAL EVIDENCE FOR TURN #2:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_2\_h0.jpg  
Size: 59.0 KB  
Location: 29.8000, 77.4586  
Captured: 2025-06-09 02:36

- ANALYSIS:
- \* Turn angle: 159.6 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: CRITICAL
  - \* Recommended action: Reduce speed to 15 km/h

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

VISUAL EVIDENCE FOR TURN #3:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_2\_h0.jpg  
Size: 59.0 KB  
Location: 29.8000, 77.4586  
Captured: 2025-06-09 02:36

- ANALYSIS:
- \* Turn angle: 159.6 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: CRITICAL
  - \* Recommended action: Reduce speed to 15 km/h

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

VISUAL EVIDENCE FOR TURN #4:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_4\_h0.jpg  
Size: 59.5 KB  
Location: 29.8018, 77.4592  
Captured: 2025-06-09 02:37

- ANALYSIS:
- \* Turn angle: 113.0 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: CRITICAL
  - \* Recommended action: Reduce speed to 15 km/h

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

VISUAL EVIDENCE FOR TURN #5:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_4\_h0.jpg  
Size: 59.5 KB  
Location: 29.8018, 77.4592  
Captured: 2025-06-09 02:37

- ANALYSIS:
- \* Turn angle: 113.0 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: CRITICAL
  - \* Recommended action: Reduce speed to 15 km/h



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

VISUAL EVIDENCE FOR TURN #6:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_6\_h0.jpg  
Size: 48.4 KB  
Location: 29.8046, 77.4547  
Captured: 2025-06-09 02:37

- ANALYSIS:
- \* Turn angle: 97.4 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: CRITICAL
  - \* Recommended action: Reduce speed to 15 km/h

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

VISUAL EVIDENCE FOR TURN #7:  
STREET VIEW ANALYSIS:



File: streetview\_91945c9f-c917-4ffd-999e-21ddc23cc92b\_turn\_7\_h0.jpg  
Size: 50.9 KB  
Location: 29.6253, 77.4392  
Captured: 2025-06-09 02:37

- ANALYSIS:
- \* Turn angle: 75.7 deg
  - \* Visibility: Limited due to sharp curve
  - \* Road condition: Visual inspection required
  - \* Hazard level: HIGH
  - \* Recommended action: Reduce speed to 25 km/h

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

No visual evidence available for Turn #8

Images may be available at nearby coordinates: 28.9602, 77.6399