

# Route Analytics Pro

Enhanced Route Safety Analysis with Regulatory Compliance

## Enhanced Route Analysis Report with Regulatory Compliance

### Enhanced Analysis Report

May 29, 2025 at 11:44 AM

Features: Individual Turn Analysis, Street Views, Maps

Compliance: CMVR, AIS-140, RTSP Analysis Included

Analysis: GPS Coordinates & Turn-by-Turn Details

Enhanced Route Overview

ROUTE INFORMATION

From Address	Unnamed Road, Oil Industry Terminals, Partapur, Meerut, Utta
To Address	V85H+WR5, Saharanpur Rd, Ambehata Dehat, Ambheta, Uttar Prad
Total Distance	131 km
Estimated Duration	2 hours 27 mins
Route Points Analyzed	2684
Overall Safety Score	0/100
Individual Turn Pages	7 detailed pages included

HAZARD ANALYSIS SUMMARY

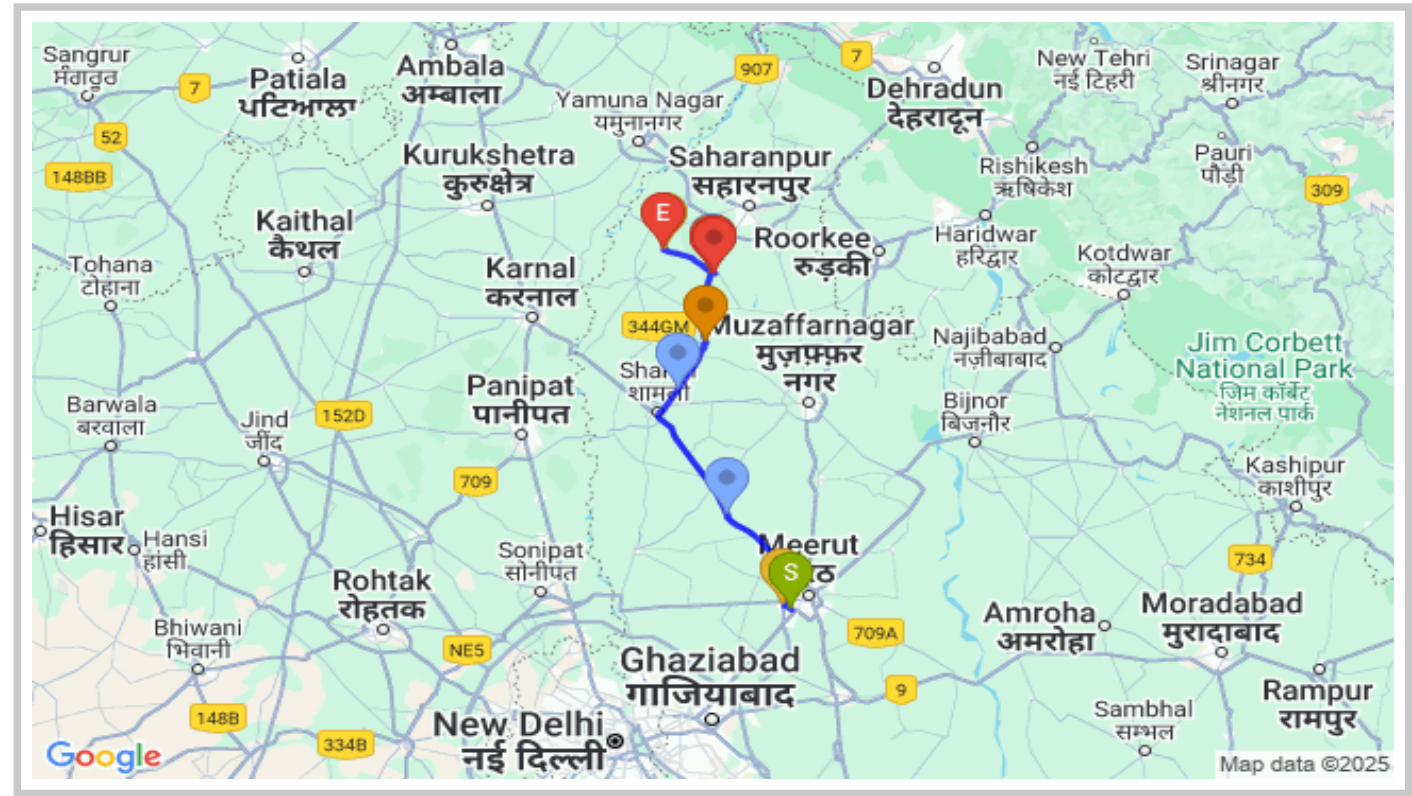
Extreme Blind Spots (>80 degrees)		CRITICAL DANGER - Individual Pages Added
Sharp Danger Turns (70-80 degrees)		HIGH DANGER - Individual Pages Added
Moderate Turns (45-70 degrees)		CAUTION REQUIRED
Network Dead Zones	0	NO SIGNAL
Poor Coverage Areas	4	WEAK SIGNAL
Weather Monitoring Points	10	CONDITIONS TRACKED

CRITICAL: 7 DANGEROUS TURNS REQUIRE DETAILED ANALYSIS

Each critical turn has a dedicated page with street view, satellite map, and safety recommendations.

COMPREHENSIVE ROUTE MAP WITH ALL MARKERS

COMPREHENSIVE ROUTE MAP:



MAP LEGEND:

S	Green	Route Start Point
E	Red	Route End Point
T#	Red/Orange/Yellow	Sharp Turns (by danger level)
H#	Blue	Hospitals - Emergency Services
F#	Purple	Fuel Stations - Petrol Pumps
S#	Yellow	Schools - Speed Limit 40 km/h
Blue Line	Blue	Complete Route Path

REGULATORY COMPLIANCE ANALYSIS

COMPLIANCE SCORE: 60/100 - NEEDS ATTENTION

ROUTE COMPLIANCE SUMMARY

Vehicle Type	Heavy Goods Vehicle
Vehicle Weight	18,000 kg
Route Distance	131 km
Estimated Duration	2 hours 27 mins
States Crossed	Delhi, Haryana (Estimated)
Compliance Category	HIGH RISK - Heavy Goods Vehicle

CMVR 1989 & AMENDMENT 2022 COMPLIANCE

Vehicle Category	Heavy Goods Vehicle
Weight Category	18000 kg
License Required	HMV (Heavy Motor Vehicle)
Permit Required	YES - Mandatory for >12 tons
Training Hours Required	80 hours
Medical Fitness Validity	3 years

APPLICABLE SPEED LIMITS

Urban Areas	40 km/h
Near Schools	25 km/h
Highways	80 km/h
Rural Roads	60 km/h
Night Driving	Reduce by 10 km/h

AIS-140 COMPLIANCE (MANDATORY)

CRITICAL: AIS-140 compliance is MANDATORY for this vehicle type

GPS TRACKING REQUIREMENTS

Accuracy Required	+/- 3 meters
Update Frequency	10 seconds
Data Storage	30 days minimum
Compliance Deadline	April 1, 2023

PANIC BUTTON REQUIREMENTS

Location	Driver accessible position
Response Time	<5 seconds
Alert Recipients	Police, Owner, Control Center
Installation	Authorized centers only

AIS-140 COMPLIANCE CHECKLIST:

- GPS device installed and functional
- Panic button accessible to driver
- Emergency SOS functionality active
- Overspeed alert system configured
- Data transmission to India-based servers
- Device certification from BIS

ROAD TRANSPORT SAFETY POLICY (RTSP)

Estimated Driving Time	2.0 hours
Max Continuous Allowed	4.5 hours
Daily Max Allowed	10 hours
Time Compliance	COMPLIANT
Required Rest Stops	0
Rest Duration Each Stop	45 minutes minimum

NIGHT DRIVING RESTRICTIONS

Night Hours	22:00 to 06:00
Speed Reduction	10 km/h below daytime limits
Additional Safety	Enhanced lighting, fatigue monitoring required

STATE PERMITS & INTER-STATE COMPLIANCE

STATES CROSSED: Delhi, Haryana (Estimated)

CRITICAL PERMITS REQUIRED:

- Inter-State Permit (Mandatory)
- Heavy Vehicle Permit
- Route Permit for Commercial Vehicles
- Environmental Clearance (if applicable)

## COMPLIANCE RECOMMENDATIONS

1. CRITICAL: Install AIS-140 compliant GPS tracking system
2. CRITICAL: Install panic button accessible to driver
3. Plan 2 mandatory rest stops (45 min each) for this journey
4. Obtain inter-state permits for all states
5. Check Delhi-specific entry requirements
6. Carry all vehicle documents (RC, Insurance, PUC)
7. Ensure driver medical fitness certificate is valid
8. Check vehicle safety equipment (first aid, fire extinguisher)
9. Verify speed governor installation and calibration
10. Plan route to avoid restricted time zones



HEAVY VEHICLE SPECIFIC ANALYSIS - BASIC ASSESSMENT

This basic analysis provides essential heavy vehicle considerations. Enhanced analysis with Google APIs requires API key configuration.

1. ADJUSTED TRAVEL TIME ANALYSIS

Base Travel Time	2.0 hours
Heavy Vehicle Adjusted	2.6 hours
Time Increase	30%
Mandatory Rest Stops	0 stops required
Rest Time Required	0.0 hours
Total Realistic Time	2.6 hours

Basic travel time adjustment calculated

2. ROAD WIDTH & SUITABILITY ASSESSMENT

Minimum Width Required	7.5 meters for safe operation
Bridge Weight Capacity	Manual verification required
Overhead Clearance	4.2m minimum height needed
Assessment Status	Field verification recommended
Route Classification	Unknown - Google Roads API needed
Infrastructure Suitability	Cannot be determined without APIs

Road infrastructure assessment requires Google Roads API

3. TURNING RADIUS REQUIREMENTS

Total Sharp Turns Detected	15
Impossible Turns (>90 degrees)	6
Very Difficult (70-90 degrees)	1
Caution Required (45-70 degrees)	8
Heavy Vehicle Turning Radius	12.5 meters required
Route Navigability	PROBLEMATIC

6 impossible turns detected - Alternate route recommended

4. FUEL & RANGE PLANNING

Route Distance	131.0 km
Fuel Consumption Rate	3.5 km/L (loaded)
Fuel Required	37.4 liters
Fuel Buffer (30%)	11.2 liters
Total Fuel Needed	48.7 liters
Fuel Stations Found	13 locations

Fuel planning complete - 13 stations available

5. LOAD DISTRIBUTION & PARKING FACILITIES

Legal GVW Limit	49,000 kg maximum
Front Axle Limit	10,200 kg maximum
Rear Axle Limit	18,500 kg maximum
Load Distribution	Weighbridge verification required
Truck Parking Areas	Manual identification needed
Parking Assessment	Google Places API required for analysis

Parking facility analysis requires Google Places API

BASIC HEAVY VEHICLE RECOMMENDATIONS

- 1. Add 30% buffer time for heavy vehicle travel delays
- 2. Plan 0 mandatory rest stops (45 minutes each)
- 3. Verify bridge weight capacity along the route manually
- 4. Check road width at narrow sections before travel
- 5. Confirm fuel availability at stations for heavy vehicles
- 6. Plan alternative routes for impossible turning locations
- 7. Carry emergency contact numbers for route assistance
- 8. Ensure vehicle compliance with axle load limits

ENHANCED ANALYSIS AVAILABLE

Configure Google Maps API key to enable: Real road width analysis, Bridge detection, Truck parking



## HOSPITALS - Emergency Medical Services

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	Sanjeevani Yoga And Natur...	Unnamed Road, Surya Pa...	29.0107	77.6541	0.1
2	Chhatrapati Shivaji Subha...	Swami Vivekanand Subha...	29.0631	77.6414	0.5
3	Dr Lal PathLabs - Patient...	Shop No 17, Khana Plaz...	29.1431	77.5485	0.5
4	Government Hospital-PHC	4GMR+XV2	29.2060	77.4919	0.5
5	Community health centre, ...	4GMR+QWG, Meerut	29.3020	77.4252	0.3
6	medical store	4GWP+9HQ, Dahar	29.4136	77.3545	0.5
7	Get Well Hospital and Ult...	Karnal - Shamli Road, ...	29.4660	77.3376	0.3
8	Ayushman Arogya Mandir	C83X+279, Kabraut	29.5599	77.4040	0.6
9	bansal hospital	C83Q+V9C, Jhal	29.6259	77.4411	0.3
10	Eddy Goverment Hospital	JCFR+45C, Jalalabad	29.7345	77.4304	0.2
11	Ayushman Arogay Mandir Ja...	JCFR+45C, Jalalabad	29.7955	77.4465	0.3
12	Jalalabad Hospital	JCFR+24G, Jalalabad	29.7987	77.4625	0.2
13	Al Fatima Child And Medic...	RC5V+9R6, near Eidgah,...	29.8182	77.4400	0.5
14	family clinic	RF26+FFR, Rampur Manih...	29.8363	77.3963	0.6
15	Jan ausdhi kendra	near govt.hospital, Ba...	29.8592	77.3293	0.0

**Total HOSPITALS: 15 locations identified along the route**

FUEL STATIONS - Petrol Pumps

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	IndianOil	Khasra No 1433, near C...	29.0195	77.6592	0.4
2	cng pump meerut	WMJ5+6X6, Block 4A, Se...	29.0910	77.6117	0.2
3	Hindustan Petroleum Corpo...	Ground Floor, Crossing...	29.1807	77.4957	0.2
4	RDML Energy Services Indi...	Bhuni Crossing Binoli-...	29.2722	77.4451	0.4
5	Petrol Pump	Meerut	29.3985	77.3595	0.6
6	Shiv Kailash Fuel Point H...	Meerut Karnal, Nationa...	29.4591	77.3295	0.2
7	HP Petrol Pump - Ganga Fi...	C84X+9WF, Kabraut	29.5661	77.4059	0.2
8	My Eco Energy	India	29.6497	77.4267	0.5
9	Bharat Petroleum (Aziz Fi...	Thanabhawan	29.7608	77.4410	0.2
10	Indane Gas	HCQJ+5VV	29.7978	77.4572	0.3
11	Vijay Filling Service Sta...	Vijay Filling Service,...	29.8055	77.4511	0.1
12	Hindustan Petroleum	Telipura Nazirpura, Ra...	29.8331	77.4060	0.3
13	Bharat Petroleum	India	29.8609	77.3295	0.2

Total FUEL STATIONS: 13 locations identified along the route

SCHOOLS - Speed Limit Zones (40 km/h)

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	Dewan Public School Inter...	143, Delhi Road, Phase...	29.0137	77.6516	0.4
2	Bhai Joga Singh Public Sc...	WMXM+H76, Surya Palace...	29.0818	77.6211	0.2
3	METRO PUBLIC SCHOOL	Shatabdi Nagar, Rithan...	29.1668	77.5240	0.6
4	J.N.Public School	5GGW+WXW, Meerut	29.2360	77.4709	0.4
5	Chaudhary Amar Singh ITI	4HQ6+VMQ, Gotka	29.3405	77.3909	0.4
6	Kadam Public School	Bhooni Chauraha, Shaml...	29.4332	77.3144	0.4
7	Vedantam Public School	Kudana Main Road, Jama...	29.5026	77.3684	0.5
8	BrainZone Junior High sch...	Karnal - Meerut Road, ...	29.6147	77.4369	0.2
9	KVM High School Kabraut	C942+XFG, Karnal - Mee...	29.6875	77.4230	0.2
10	Divya Public School	Saharanpur - Delhi Roa...	29.7833	77.4472	0.2
11	Alpine International Scho...	JC5J+C5C, State Highwa...	29.8009	77.4584	0.0
12	Motherland Public School	RF32+VHX, Rampur Manih...	29.8080	77.4395	0.4
13	Gurukul Computer Academy	RF53+2QR, Bypass Road,...	29.8384	77.3979	0.3
14	D.A.V. Public School Ramp...	QFV2+W55, Saharanpur	29.8545	77.3310	0.6

Total SCHOOLS: 14 locations identified along the route

RESTAURANTS/FOOD STOPS - Rest Areas

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	Hotel Bravura Gold Resort	Delhi Roorkee, Bypass,...	29.0118	77.6502	0.4
2	CROWN Hotel & Restaurant	Ved Vyas Puri -Phase 1...	29.0627	77.6404	0.5
3	Domino's Pizza   Shopprix...	Shop No. 7A, Upper Gro...	29.1467	77.5507	0.1
4	Sunny restaurant	4HQ7+R7X, Bhuni	29.2017	77.4919	0.3
5	Fauji Restaurant & Cafe	4HP8+83G, Bhuni Chowk,...	29.3049	77.4224	0.1
6	CHAUDHARY DHABA	4HP9+XJJ, Sardhana - B...	29.4125	77.3501	0.2
7	Mid-Way Point Family Rest...	NH 709A, Karnal - Meer...	29.4613	77.3393	0.6
8	Amritsari Truck Dhaba	C87W+F9F, Shamli	29.5546	77.4006	0.1
9	Highway family dhaba	C87W+R5G, Barla Jatt	29.6266	77.4437	0.5
10	Iliyas Meet Shop	near by Charthawal, 04...	29.7300	77.4270	0.4
11	[?][?][?] [?][?][?][?][?] [?][?][?][?][?] [?][?][?][?][?]	[?][?][?] [?][?][?]...	29.7991	77.4527	0.1
12	[?][?][?][?][?] [?][?][?][?]	India	29.8037	77.4569	0.1
13	Guru gorakhnath misthan b...	RF34+9JQ, Rampur Manih...	29.8177	77.4360	0.4
14	Basant Sweets and Restaur...	Deoband road, Rampur M...	29.8442	77.4028	0.4
15	[?][?][?][?][?] [?][?][?] [?][?] [?][?][?][?][?] [?][?][?][?][?]	[?][?][?] [?][?]...	29.8565	77.3298	0.3

Total RESTAURANTS/FOOD STOPS: 15 locations identified along the route

POLICE STATIONS - Security Services

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	Nauchandi Police Station	Mohsin Bagh, Manzoor N...	29.0250	77.6658	0.0
2	Shatabdi Nagar Police Cho...	WMPG+W37, Shatabdi Nag...	29.0951	77.6025	0.2
3	Police Choki Shubharti Un...	XJ5Q+9R6, NH58, Meerut	29.1899	77.4942	0.1
4	Police check post	4HP8+GG5, Karnal - Mee...	29.3065	77.4238	0.3
5	Police Station SaroorPur ...	4GMR+54G	29.4268	77.3262	0.2
6	[?][?][?][?] [?][?]	4GR9+GX, Jasar Sultann...	29.5032	77.3638	0.1
7	Police Chowki Lank	99F9+GCP, National Hig...	29.6152	77.4305	0.3
8	Police Chowki	JC9J+JXC, MDR 147W, Sh...	29.7299	77.4282	0.3
9	Police station Jalalabad	JC9J+JXM, Jalalabad	29.8082	77.4570	0.5
10	Jandheri Police	police station, Chando...	29.8028	77.4494	0.4
11	Police Thana Kotwali Ramp...	Shiv Puri, Rampur Mani...	29.8306	77.4140	0.1
12	Dharmendra kumar	RF53+2QR, Rampur Manih...	29.8621	77.3284	0.3

Total POLICE STATIONS: 12 locations identified along the route



NETWORK COVERAGE ANALYSIS - REAL-TIME DATA

NETWORK COVERAGE STATISTICS

Total Points Analyzed	135
API Success Rate	100.0%
Overall Coverage Score	60.0/100
Dead Zones Detected	0
Poor Coverage Areas	4
Data Quality	REAL_API_DATA

NETWORK COVERAGE POINTS - TESTED LOCATIONS

S.No	Coverage Quality	Signal Strength	Latitude	Longitude	Technologies
1	Fair	-90 dBm	28.9497	77.6591	UMTS, GSM
2	Fair	-90 dBm	28.9521	77.6567	UMTS, GSM
3	Fair	-90 dBm	28.9609	77.6439	UMTS, GSM
4	Fair	-90 dBm	28.9644	77.6405	UMTS, GSM
5	Fair	-90 dBm	28.9710	77.6414	UMTS, GSM
6	Fair	-90 dBm	28.9789	77.6434	UMTS, GSM
7	Fair	-90 dBm	28.9924	77.6454	UMTS, GSM
8	Fair	-90 dBm	28.9982	77.6461	UMTS, GSM
9	Fair	-90 dBm	29.0049	77.6495	UMTS, GSM
10	Fair	-90 dBm	29.0102	77.6535	UMTS, GSM
11	Fair	-90 dBm	29.0154	77.6578	UMTS, GSM
12	Fair	-90 dBm	29.0253	77.6662	UMTS, GSM
13	Fair	-90 dBm	29.0328	77.6726	UMTS, GSM
14	Fair	-90 dBm	29.0361	77.6697	UMTS, GSM
15	Fair	-90 dBm	29.0397	77.6646	UMTS, GSM
16	Fair	-90 dBm	29.0439	77.6588	UMTS, GSM
17	Fair	-90 dBm	29.0501	77.6504	UMTS, GSM

NETWORK COVERAGE POINTS (Continued)

18	Fair	-90 dBm	29.0553	77.6433	UMTS, GSM
19	Fair	-90 dBm	29.0650	77.6340	UMTS, GSM
20	Fair	-90 dBm	29.0761	77.6236	UMTS, GSM

NETWORK COVERAGE LEGEND

Coverage Level	Signal Range (dBm)	Description	Color Code
Excellent	> -70 dBm	Full connectivity	Green
Good	-70 to -85 dBm	Reliable connectivity	Blue
Fair	-85 to -100 dBm	Adequate connectivity	Orange
Poor	-100 to -110 dBm	Unreliable connectivity	Red
Dead Zones	< -110 dBm	No connectivity	Gray
API Failed	Unknown	Coverage data unavailable	Black

Total Network Coverage Analysis: 135 points tested | 0 dead zones identified

TURN 1/7: EXTREME BLIND SPOT - 180.0 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	180.0 degrees (DANGEROUS)
GPS Coordinates	29.799710, 77.462060
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

1. CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
2. HORN WARNING: Sound horn continuously while approaching and taking the turn
3. HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
4. AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
5. STAY IN LANE: Keep to the extreme left of your lane throughout the turn
6. PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
7. EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
8. WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:

STREET VIEW

NOT AVAILABLE

GPS: 29.799710, 77.462060

Street imagery not available

for this exact location.

Refer to satellite map.

SATELLITE MAP - Overhead View:



Satellite View, Zoom 18

Note: Street View may not be available for this location.

TURN 2/7: EXTREME BLIND SPOT - 159.57 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	159.57 degrees (DANGEROUS)
GPS Coordinates	29.800050, 77.458640
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

1.
- CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
2.
- HORN WARNING: Sound horn continuously while approaching and taking the turn
3.
- HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
4.
- AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
5.
- STAY IN LANE: Keep to the extreme left of your lane throughout the turn
6.
- PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
7.
- EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
8.
- WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18

TURN 3/7: EXTREME BLIND SPOT - 159.57 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	159.57 degrees (DANGEROUS)
GPS Coordinates	29.800050, 77.458640
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

- 1. CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
- 2. HORN WARNING: Sound horn continuously while approaching and taking the turn
- 3. HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
- 4. AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
- 5. STAY IN LANE: Keep to the extreme left of your lane throughout the turn
- 6. PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
- 7. EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
- 8. WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18



TURN 4/7: EXTREME BLIND SPOT - 113.02 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	113.02 degrees (DANGEROUS)
GPS Coordinates	29.801760, 77.459240
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

- 1. CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
- 2. HORN WARNING: Sound horn continuously while approaching and taking the turn
- 3. HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
- 4. AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
- 5. STAY IN LANE: Keep to the extreme left of your lane throughout the turn
- 6. PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
- 7. EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
- 8. WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18

TURN 5/7: EXTREME BLIND SPOT - 113.02 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	113.02 degrees (DANGEROUS)
GPS Coordinates	29.801760, 77.459240
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

- 1. CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
- 2. HORN WARNING: Sound horn continuously while approaching and taking the turn
- 3. HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
- 4. AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
- 5. STAY IN LANE: Keep to the extreme left of your lane throughout the turn
- 6. PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
- 7. EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
- 8. WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18

TURN 6/7: EXTREME BLIND SPOT - 97.4 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	EXTREME BLIND SPOT
Turn Angle	97.4 degrees (DANGEROUS)
GPS Coordinates	29.804640, 77.454670
Danger Level	EXTREME BLIND SPOT
Recommended Speed	15-20 km/h
Visibility Status	ZERO visibility around corner
Safety Priority	HIGHEST

CRITICAL SAFETY RECOMMENDATIONS:

- 1. CRAWL SPEED MANDATORY: Reduce speed to 15-20 km/h minimum before entering turn
- 2. HORN WARNING: Sound horn continuously while approaching and taking the turn
- 3. HEADLIGHTS ON: Keep headlights on during daytime for maximum visibility
- 4. AVOID OVERTAKING: Absolutely no overtaking 200m before and after this turn
- 5. STAY IN LANE: Keep to the extreme left of your lane throughout the turn
- 6. PASSENGER ALERT: Warn all passengers about the dangerous blind spot ahead
- 7. EMERGENCY PREP: Have emergency contact ready - accidents common at such turns
- 8. WEATHER CHECK: Avoid this turn in rain, fog, or night conditions if possible

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18



TURN 7/7: SHARP DANGER TURN - 75.66 degrees

CRITICAL TURN ANALYSIS:

Turn Classification	BLIND SPOT
Turn Angle	75.66 degrees (DANGEROUS)
GPS Coordinates	29.625320, 77.439180
Danger Level	SHARP DANGER TURN
Recommended Speed	25-30 km/h
Visibility Status	LIMITED visibility
Safety Priority	HIGH

CRITICAL SAFETY RECOMMENDATIONS:

1.
- REDUCE SPEED: Slow down to 25-30 km/h before entering the sharp turn
2.
- USE HORN: Sound horn to alert oncoming traffic of your presence
3.
- MAINTAIN DISTANCE: Keep safe distance from vehicle ahead (minimum 50m)
4.
- PROPER LANE: Stay in correct lane and avoid cutting corners
5.
- CHECK MIRRORS: Monitor traffic behind before slowing down
6.
- GEAR DOWN: Use appropriate gear for controlled speed through turn
7.
- AVOID BRAKING: Complete braking before turn, not during the turn
8.
- POST-TURN CAUTION: Accelerate gradually after completing the turn

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



Street View - 0 degree view

SATELLITE MAP - Overhead View:



Satellite View - Zoom 18

ELEVATION ANALYSIS - GPS COORDINATES & GRADIENT DETAILS

ELEVATION PROFILE STATISTICS

Minimum Elevation	242 m
Maximum Elevation	286 m
Elevation Range	44 m
Total Ascent	148 m
Total Descent	110 m
Average Elevation	265 m

KEY ELEVATION POINTS SUMMARY

Description	GPS Coordinates	Elevation (m)	Distance (km)	Significance
Route Start Point	28.949660, 77.659080	244.9	0.0	Starting elevation
Lowest Point	28.953450, 77.654560	242.1	0.61	Valley/Minimum eleva
Highest Point	29.840700, 77.400680	286.3	122.97	Peak/Maximum elevati
Route End Point	29.859610, 77.329380	283.2	130.36	Ending elevation

COMPREHENSIVE GPS COORDINATES & ELEVATION TABLE

S.No	GPS Coordinates	Elevation (m)	Distance (km)	Gradient (%)	Category
1	28.949660, 77.659080	244.9	0.0	+0.0	NORMAL
2	28.953450, 77.654560	242.1	0.61	-0.5	NORMAL
3	28.960250, 77.639950	243.7	2.22	+0.1	NORMAL
4	28.970300, 77.641230	246.9	3.34	+0.3	NORMAL
5	28.982040, 77.643840	250.8	4.67	+0.3	NORMAL
6	28.995210, 77.645820	245.7	6.14	-0.3	NORMAL
7	29.003560, 77.648520	247.0	7.1	+0.1	NORMAL
8	29.010450, 77.653750	247.3	8.02	+0.0	NORMAL
9	29.020020, 77.661620	243.2	9.33	-0.3	NORMAL
10	29.030630, 77.670730	247.9	10.8	+0.3	NORMAL
11	29.036130, 77.669730	246.4	11.42	-0.2	NORMAL
12	29.041220, 77.662510	246.8	12.32	+0.0	NORMAL
13	29.047220, 77.654320	248.9	13.36	+0.2	NORMAL
14	29.055080, 77.643600	251.1	14.72	+0.2	NORMAL
15	29.067470, 77.631620	250.1	16.52	-0.1	NORMAL
16	29.080910, 77.619050	255.1	18.45	+0.2	NORMAL
17	29.093370, 77.607370	254.4	20.24	-0.0	NORMAL
18	29.098460, 77.602050	249.3	21.0	-0.7	NORMAL
19	29.106940, 77.594340	249.0	22.21	-0.0	NORMAL
20	29.122930, 77.579510	252.5	24.49	+0.1	NORMAL
21	29.136030, 77.565980	259.5	26.45	+0.4	NORMAL
22	29.149110, 77.547890	253.0	28.73	-0.3	NORMAL
23	29.162500, 77.520710	255.9	31.76	+0.1	NORMAL
24	29.173490, 77.504030	251.4	33.79	-0.2	NORMAL
25	29.180280, 77.497920	249.1	34.75	-0.2	NORMAL
26	29.184910, 77.493720	243.3	35.41	-0.9	NORMAL
27	29.191110, 77.494980	250.6	36.11	+1.1	NORMAL

GPS COORDINATES TABLE (Continued - Points 31-60)

S.No	GPS Coordinates	Elevation (m)	Distance (km)	Gradient (%)	Category
31	29.248220, 77.464800	257.9	43.09	+0.0	NORMAL
32	29.258730, 77.456970	259.6	44.48	+0.1	NORMAL
33	29.276600, 77.443450	256.6	46.85	-0.1	NORMAL
34	29.290370, 77.432690	262.0	48.7	+0.3	NORMAL
35	29.300820, 77.424620	261.1	50.1	-0.1	NORMAL
36	29.317320, 77.411920	262.3	52.31	+0.1	NORMAL
37	29.329460, 77.402570	261.4	53.93	-0.1	NORMAL
38	29.346550, 77.389390	264.7	56.22	+0.1	NORMAL
39	29.359120, 77.379710	266.5	57.9	+0.1	NORMAL
40	29.381820, 77.362170	262.0	60.94	-0.1	NORMAL
41	29.399850, 77.353120	263.2	63.12	+0.1	NORMAL
42	29.410320, 77.350360	253.7	64.31	-0.8	NORMAL
43	29.417560, 77.340940	263.8	65.53	+0.8	NORMAL
44	29.427140, 77.328190	263.9	67.16	+0.0	NORMAL
45	29.435370, 77.317750	265.2	68.52	+0.1	NORMAL
46	29.441030, 77.316280	265.4	69.17	+0.0	NORMAL
47	29.450330, 77.318310	266.3	70.22	+0.1	NORMAL
48	29.454720, 77.326810	267.6	71.17	+0.1	NORMAL
49	29.464670, 77.334470	262.6	72.5	-0.4	NORMAL
50	29.473890, 77.341010	266.8	73.71	+0.3	NORMAL
51	29.485580, 77.350010	265.0	75.27	-0.1	NORMAL
52	29.501620, 77.361640	264.9	77.37	-0.0	NORMAL
53	29.509090, 77.366870	264.6	78.34	-0.0	NORMAL
54	29.519440, 77.374010	266.2	79.68	+0.1	NORMAL
55	29.533260, 77.383340	269.4	81.46	+0.2	NORMAL
56	29.555050, 77.399320	268.9	84.33	-0.0	NORMAL
57	29.581630, 77.417760	264.4	87.78	-0.1	NORMAL

GPS COORDINATES TABLE (Continued - Points 61-90)

S.No	GPS Coordinates	Elevation (m)	Distance (km)	Gradient (%)	Category
61	29.617280, 77.432620	269.3	92.07	+0.7	NORMAL
62	29.622520, 77.433640	268.9	92.66	-0.1	NORMAL
63	29.625320, 77.439180	264.5	93.28	-0.7	NORMAL
64	29.643340, 77.433300	263.8	95.36	-0.0	NORMAL
65	29.656440, 77.430500	269.3	96.84	+0.4	NORMAL
66	29.659520, 77.428650	266.9	97.22	-0.6	NORMAL
67	29.672350, 77.425290	267.5	98.68	+0.0	NORMAL
68	29.696070, 77.422420	272.1	101.33	+0.2	NORMAL
69	29.717060, 77.425020	271.6	103.67	-0.0	NORMAL
70	29.739490, 77.432760	277.2	106.26	+0.2	NORMAL
71	29.748440, 77.435760	276.1	107.3	-0.1	NORMAL
72	29.757720, 77.438180	277.9	108.35	+0.2	NORMAL
73	29.766970, 77.440830	280.1	109.41	+0.2	NORMAL
74	29.775770, 77.443540	278.0	110.42	-0.2	NORMAL
75	29.783310, 77.445860	279.1	111.28	+0.1	NORMAL
76	29.792220, 77.448740	279.0	112.31	-0.0	NORMAL
77	29.798630, 77.451040	279.5	113.05	+0.1	NORMAL
78	29.804640, 77.454670	279.4	113.81	-0.0	NORMAL
79	29.802320, 77.458480	276.9	114.26	-0.6	NORMAL
80	29.800050, 77.458640	276.6	114.51	-0.1	NORMAL
81	29.801760, 77.459240	275.7	114.71	-0.5	NORMAL
82	29.799710, 77.462060	277.2	115.06	+0.4	NORMAL
83	29.801760, 77.459240	275.7	115.42	-0.4	NORMAL
84	29.800050, 77.458640	276.6	115.61	+0.5	NORMAL
85	29.802320, 77.458480	276.9	115.87	+0.1	NORMAL
86	29.804640, 77.454670	279.4	116.32	+0.6	NORMAL
87	29.805510, 77.451900	282.2	116.6	+1.0	NORMAL

GPS COORDINATES TABLE (Continued - Points 91-104)

S.No	GPS Coordinates	Elevation (m)	Distance (km)	Gradient (%)	Category
91	29.814250, 77.435950	280.8	118.45	+0.9	NORMAL
92	29.818280, 77.431750	280.6	119.05	-0.0	NORMAL
93	29.821650, 77.428340	277.8	119.55	-0.6	NORMAL
94	29.824510, 77.423060	280.2	120.15	+0.4	NORMAL
95	29.829810, 77.414130	281.7	121.2	+0.1	NORMAL
96	29.835250, 77.406940	279.9	122.12	-0.2	NORMAL
97	29.840700, 77.400680	286.3	122.97	+0.8	NORMAL
98	29.841660, 77.398650	282.9	123.2	-1.5	NORMAL
99	29.842100, 77.394510	284.6	123.6	+0.4	NORMAL
100	29.849320, 77.368490	278.9	126.24	-0.2	NORMAL
101	29.854500, 77.343100	278.2	128.76	-0.0	NORMAL
102	29.857740, 77.337730	281.3	129.39	+0.5	NORMAL
103	29.860960, 77.333860	283.0	129.91	+0.3	NORMAL
104	29.859610, 77.329380	283.2	130.36	+0.1	NORMAL

CRITICAL ELEVATION POINTS ANALYSIS

ELEVATION RISK ASSESSMENT: LOW (SAFE)

ELEVATION-SPECIFIC DRIVING RECOMMENDATIONS

MEDIUM: Standard Mountain/Hill Driving Precautions

- 1. Maintain steady speed on gradients
- 2. Use engine braking on descents
- 3. Keep adequate following distance
- 4. Monitor vehicle temperature gauges
- 5. Plan rest stops at safe locations

ADVANCED EMERGENCY PLANNING

EMERGENCY PREPAREDNESS: 100/100 - EXCELLENT

ALTERNATE ROUTES AVAILABLE

Total Alternates	2
Best Alternate	Best alternate: Delhi - Haridwar Rd
Route Availability	GOOD

EMERGENCY SERVICES ALONG ROUTE

Hospitals	5
Police Stations	5
Service Centers	5
Service Density	HIGH

EMERGENCY CONTACT NUMBERS

Police	100
Fire Service	101
Ambulance	108
Emergency Services	112
Highway Helpline	1033



# EMERGENCY CONTINGENCY PLANS

## HIGH: Vehicle Breakdown

**IMMEDIATE ACTIONS:**

- 1. Move vehicle to safe location (left shoulder)
- 2. Turn on hazard lights
- 3. Place reflective triangles 50m behind vehicle
- 4. Call roadside assistance: 1800-425-5555

## CRITICAL: Accident/Collision

**IMMEDIATE ACTIONS:**

- 1. Ensure personal safety first
- 2. Call emergency services: 112
- 3. Provide first aid if trained
- 4. Do not move injured persons unless in immediate danger

## MEDIUM: Road Closure/Traffic Jam

**IMMEDIATE ACTIONS:**

- 1. Check traffic apps for updates
- 2. Contact dispatch/family about delay
- 3. Find safe place to wait
- 4. Monitor fuel levels

## CRITICAL: Medical Emergency

**IMMEDIATE ACTIONS:**

- 1. Call ambulance: 108
- 2. Provide first aid if trained
- 3. Keep person calm and conscious
- 4. Locate nearest hospital