

Route Analytics Pro

Enhanced Route Safety Analysis with Regulatory Compliance

Enhanced Route Analysis Report with Google Maps Features

Enhanced Analysis Report

June 02, 2025 at 03:10 PM

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.

SUPPLY & CUSTOMER LOCATION DETAILS

SUPPLY LOCATION DETAILS

Location Name	Supply Location
GPS Coordinates	28.949660, 77.659080
Formatted Address	WMX5+VJ Meerut, Uttar Pradesh, India
Location Type	plus_code
Area Classification	Rural Area
Geocoding Status	[OK] Verified with Google Geocoding API

CUSTOMER LOCATION DETAILS

Customer Name	Customer Destination
GPS Coordinates	29.859060, 77.328950
Formatted Address	V85H+WR5, Saharanpur Rd, Ambehata Dehat, Ambheta, Uttar Pradesh 247340
Location Type	establishment, point_of_interest
Area Classification	Rural Area
Delivery Accessibility	Good - Commercial area

ROUTE SUMMARY

Total Distance	131 km
Estimated Duration	2 hours 27 mins
Route Type	Supply to Customer Delivery
Geocoding Accuracy	High (Google API verified)

TERRAIN CLASSIFICATION ANALYSIS

OVERALL TERRAIN: PREDOMINANTLY RURAL

TERRAIN DISTRIBUTION

Terrain Type	Segments	Percentage	Description
Urban	0 segments	0.0%	Built-up areas, cities, heavy traffic
Semi Urban	0 segments	0.0%	Town areas, moderate development
Rural	21 segments	100.0%	Open areas, villages, agricultural land

DETAILED TERRAIN SEGMENTS

Segment	Coordinates	Terrain	Distance (km)	Location
1	28.9497, 77.6591	Rural	0.0	WMX5+VJ Meerut, Uttar Pra
2	28.9959, 77.6459	Rural	5.3	XJWW+6GR, near Rohta Flyo
3	29.0382, 77.6669	Rural	9.8	C-19, Pocket C, Sainik Vi
4	29.0892, 77.6112	Rural	16.2	Sardhana Rd, Uttar Prades
5	29.1456, 77.5534	Rural	24.0	NH709A, Uttar Pradesh 250
6	29.1900, 77.4955	Rural	31.0	Meerut - Karnal Road, 5FR
7	29.2587, 77.4570	Rural	39.5	7F54+CQ9, Budhana Rd, Utt
8	29.3313, 77.4012	Rural	49.2	SH82, Uttar Pradesh 24777
9	29.4109, 77.3500	Rural	59.3	Karnal - Meerut Rd, Uttar
10	29.4514, 77.3198	Rural	64.7	F829+FWV, 619/9, Shamli R
11	29.5056, 77.3644	Rural	68.0	G947+6RQ, Sikka, Uttar Pr
12	29.5873, 77.4202	Rural	74.4	355, Saharanpur - Delhi R
13	29.6244, 77.4386	Rural	77.8	JCFQ+J2F, Delhi - Shamli
14	29.6961, 77.4224	Rural	85.9	SH 57, Uttar Pradesh 2474
15	29.7682, 77.4412	Rural	93.2	Delhi - Dehradun Expy, Ut
16	29.8038, 77.4561	Rural	96.7	2371, 2371, Rampur Badgao
17	29.8003, 77.4592	Rural	96.3	RF25+9VH, Rampur Manihara
18	29.8073, 77.4475	Rural	97.3	1058/4, 1058/4, Rampur -
19	29.8239, 77.4243	Rural	99.5	.
20	29.8417, 77.3956	Rural	102.1	R9RW+M62, Islam Nagar, Ut

MAJOR HIGHWAYS ANALYSIS

HIGHWAY COVERAGE STATISTICS

Total Major Highways	0
Highway Segments	0
Total Highway Distance	0.0 km
Highway Percentage	0.0% of total route
Analysis Method	Google Directions API with highway detection

HIGHWAY DRIVING GUIDELINES

1. Maintain higher speeds on highways (80-100 km/h as per vehicle type)
2. Use designated truck lanes where available
3. Follow highway entry/exit protocols
4. Maintain safe following distance (minimum 3-second rule)
5. Be aware of highway toll plazas and FASTag requirements
6. Plan fuel stops at highway service stations
7. Emergency contact: Highway Authority helpline 1033

TIME-SPECIFIC CONGESTION ANALYSIS

MORNING PERIOD ANALYSIS (07:00 - 10:00)

Time Period	07:00 - 10:00
Heavy Traffic Segments	0 segments
Moderate Traffic Segments	0 segments
Light Traffic Segments	11 segments
Overall Assessment	LOW CONGESTION - Good travel time

CONGESTION HOTSPOTS - Morning Period

Location	Coordinates	Traffic Level	Delay (min)	Speed Advice
Segment 1	28.9497, 77.659	Light	0	normal
Segment 2	29.0382, 77.666	Light	0	normal
Segment 3	29.1456, 77.553	Light	0	normal
Segment 4	29.2587, 77.457	Light	0	normal
Segment 5	29.4109, 77.350	Light	0	normal

EVENING PERIOD ANALYSIS (17:00 - 20:00)

Time Period	17:00 - 20:00
Heavy Traffic Segments	0 segments
Moderate Traffic Segments	0 segments
Light Traffic Segments	11 segments
Overall Assessment	LOW CONGESTION - Good travel time

CONGESTION HOTSPOTS - Evening Period

Location	Coordinates	Traffic Level	Delay (min)	Speed Advice
Segment 1	28.9497, 77.659	Light	0	normal
Segment 2	29.0382, 77.666	Light	0	normal
Segment 3	29.1456, 77.553	Light	0	normal
Segment 4	29.2587, 77.457	Light	0	normal
Segment 5	29.4109, 77.350	Light	0	normal

NIGHT PERIOD ANALYSIS (22:00 - 06:00)

Time Period	22:00 - 06:00
Heavy Traffic Segments	0 segments
Moderate Traffic Segments	0 segments
Light Traffic Segments	11 segments
Overall Assessment	LOW CONGESTION - Good travel time

CONGESTION HOTSPOTS - Night Period

Location	Coordinates	Traffic Level	Delay (min)	Speed Advice
Segment 1	28.9497, 77.659	Light	0	normal
Segment 2	29.0382, 77.666	Light	0	normal
Segment 3	29.1456, 77.553	Light	0	normal
Segment 4	29.2587, 77.457	Light	0	normal
Segment 5	29.4109, 77.350	Light	0	normal

TIME-BASED TRAVEL RECOMMENDATIONS

- 1. Plan extra 30-45 minutes during peak hours
- 2. Monitor real-time traffic before departure
- 3. Consider alternate routes during congestion

PRINTABLE GPS COORDINATE TABLES

MAIN ROUTE COORDINATES (SAMPLED POINTS)

Point	Latitude	Longitude	DMS Format	Distance (km)	Location
1	28.94966...	77.65908...	28 degrees56'58.8"N,...	0.0	WMX5+VJ Meerut
2	28.96036...	77.63996...	28 degrees57'37.3"N,...	2.209147...	XJ6Q+4RQ
3	28.98349...	77.64405...	28 degrees59'0.6"N, ...	4.025583...	XJMV+9MF
4	29.00458...	77.64929...	29 degrees0'16.5"N, ...	6.161405...	Opp shobhapur
5	29.02238...	77.66364...	29 degrees1'20.6"N, ...	8.072201...	NH58
6	29.03693...	77.66862...	29 degrees2'12.9"N, ...	9.717197...	Sainik Vihar Road
7	29.04899...	77.65192...	29 degrees2'56.4"N, ...	11.03139...	Sardhana Rd
8	29.07144...	77.62789...	29 degrees4'17.2"N, ...	13.83544...	3JCH+R33
9	29.09444...	77.60664...	29 degrees5'40.0"N, ...	16.84041...	3JV4+RQ7 Bridge
10	29.11099...	77.59071...	29 degrees6'39.6"N, ...	19.08121...	NH709A
11	29.14147...	77.55883...	29 degrees8'29.3"N, ...	23.39451...	4HR5+MMH
12	29.16683...	77.51334...	29 degrees10'0.6"N, ...	27.94314...	5G86+HV
13	29.18296...	77.49383...	29 degrees10'58.7"N,...	30.45626...	NH709A
14	29.19433...	77.49093...	29 degrees11'39.6"N,...	31.67784...	Karnal - Meerut Rd
15	29.22024...	77.47924...	29 degrees13'12.9"N,...	34.72730...	SH82
16	29.25513...	77.45977...	29 degrees15'18.5"N,...	39.02234...	7F46+32M
17	29.28654...	77.43563...	29 degrees17'11.5"N,...	43.21077...	140
18	29.30907...	77.41834...	29 degrees18'32.7"N,...	46.21474...	8C59+7GQ
19	29.34156...	77.39317...	29 degrees20'29.6"N,...	50.55938...	89RV+MG6
20	29.37586...	77.36674...	29 degrees22'33.1"N,...	55.13994...	Karnal - Meerut Rd
21	29.40940...	77.35062...	29 degrees24'33.8"N,...	59.13409...	C952+C57
22	29.42513...	77.33072...	29 degrees25'30.5"N,...	61.62238...	C8GJ+37 Tajpur Sim...
23	29.43906...	77.31583...	29 degrees26'20.6"N,...	63.69377...	C8Q8+H9X
24	29.45384...	77.32490...	29 degrees27'13.8"N,...	64.64553...	Vansh jain tea sta...
25	29.47281...	77.34018...	29 degrees28'22.1"N,...	65.75655...	Delhi - Shamli - S...

... and 26 more entries (see full data in digital format)

CRITICAL TURN COORDINATES

SHARP TURN COORDINATES WITH DANGER LEVELS

Turn #	Latitude	Longitude	Angle	Danger Level	Speed Limit
1	29.799710	77.462060	180.0 degrees	EXTREME BLIND...	15-20 km/h
2	29.800050	77.458640	159.6 degrees	EXTREME BLIND...	15-20 km/h
3	29.800050	77.458640	159.6 degrees	EXTREME BLIND...	15-20 km/h
4	29.801760	77.459240	113.0 degrees	EXTREME BLIND...	15-20 km/h
5	29.801760	77.459240	113.0 degrees	EXTREME BLIND...	15-20 km/h
6	29.804640	77.454670	97.4 degrees	EXTREME BLIND...	15-20 km/h
7	29.625320	77.439180	75.7 degrees	BLIND SPOT	25-30 km/h
8	28.960250	77.639950	68.3 degrees	HIGH-ANGLE TU...	25-30 km/h
9	29.860960	77.333860	63.0 degrees	HIGH-ANGLE TU...	25-30 km/h
10	29.802320	77.458480	51.4 degrees	SHARP TURN	25-30 km/h
11	29.802320	77.458480	51.4 degrees	SHARP TURN	25-30 km/h
12	29.622520	77.433640	50.2 degrees	SHARP TURN	25-30 km/h
13	29.450330	77.318310	48.6 degrees	SHARP TURN	25-30 km/h
14	29.184910	77.493720	48.4 degrees	SHARP TURN	25-30 km/h
15	29.030630	77.670730	45.9 degrees	SHARP TURN	25-30 km/h

POINTS OF INTEREST COORDINATES

POI #	Type	Name	Latitude	Longitude	Location
1	Hospitals	Sanjeevani Yo...	29.807400	77.461870	Unnamed Roa...
2	Hospitals	Chhatrapati S...	29.169060	77.534270	Swami Vivek...
3	Hospitals	Dr Lal PathLa...	29.848760	77.408830	Shop No 17,...
4	Hospitals	Government Ho...	29.803680	77.459280	4GMR+XV2
5	Hospitals	Community hea...	29.124000	77.592940	4GMR+QWG, M...
6	Petrol Bun...	IndianOil	29.754400	77.441360	Khasra No 1...
7	Petrol Bun...	cng pump meer...	29.798980	77.451730	WMJ5+6X6, B...
8	Petrol Bun...	Hindustan Pet...	29.025800	77.666840	Ground Floo...
9	Petrol Bun...	RDML Energy S...	28.958440	77.655390	Bhuni Cross...
10	Petrol Bun...	Petrol Pump	29.448820	77.318030	Meerut
11	Schools	Dewan Public ...	29.771030	77.448740	143, Delhi ...
12	Schools	Bhai Joga Sin...	29.813050	77.463070	WMXM+H76, S...
13	Schools	METRO PUBLIC ...	29.024720	77.666080	Shatabdi Na...
14	Schools	J.N.Public Sc...	29.457190	77.325010	5GGW+WXW, M...
15	Schools	Chaudhary Ama...	29.223900	77.490070	4HQ6+VMQ, G...

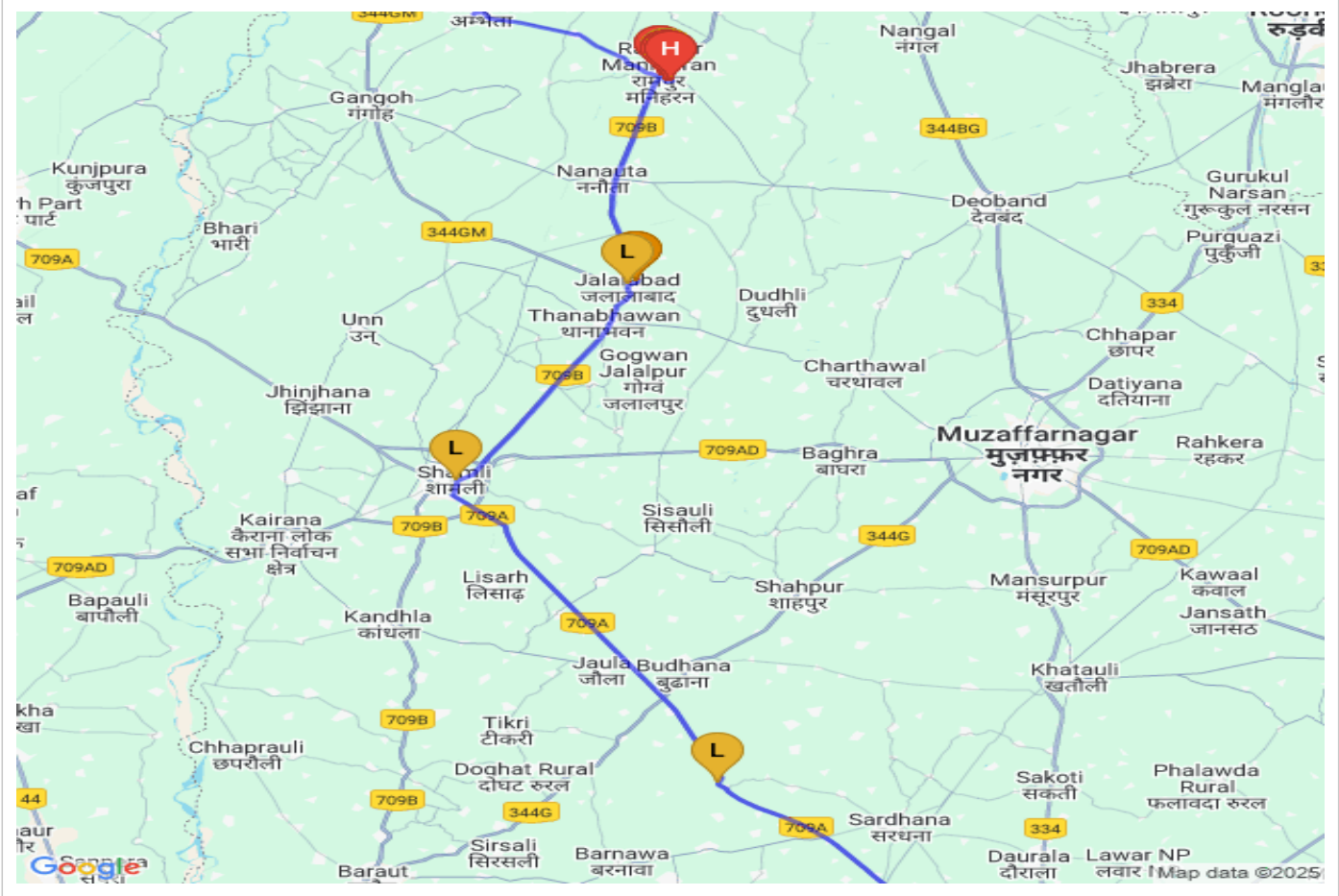
... and 5 more entries (see full data in digital format)

COLOR-CODED RISK VISUALIZATION MAP

RISK COLOR CODING LEGEND

[CRITICAL] RED	EXTREME RISK	Blind spots >80 degrees, extreme danger turns
[HIGH] ORANGE	HIGH RISK	Sharp turns 70-80 degrees, significant hazards
[MEDIUM] YELLOW	MEDIUM RISK	Moderate turns 45-70 degrees, caution required
[EMERGENCY] BLUE	EMERGENCY SERVICES	Hospitals, emergency facilities
[SAFE] GREEN	SAFE ZONES	Start/end points, rest areas
[ELEVATION] BROWN	ELEVATION CHANGES	Significant ascents/descents

COLOR-CODED ROUTE MAP



LAYER DATA STATISTICS

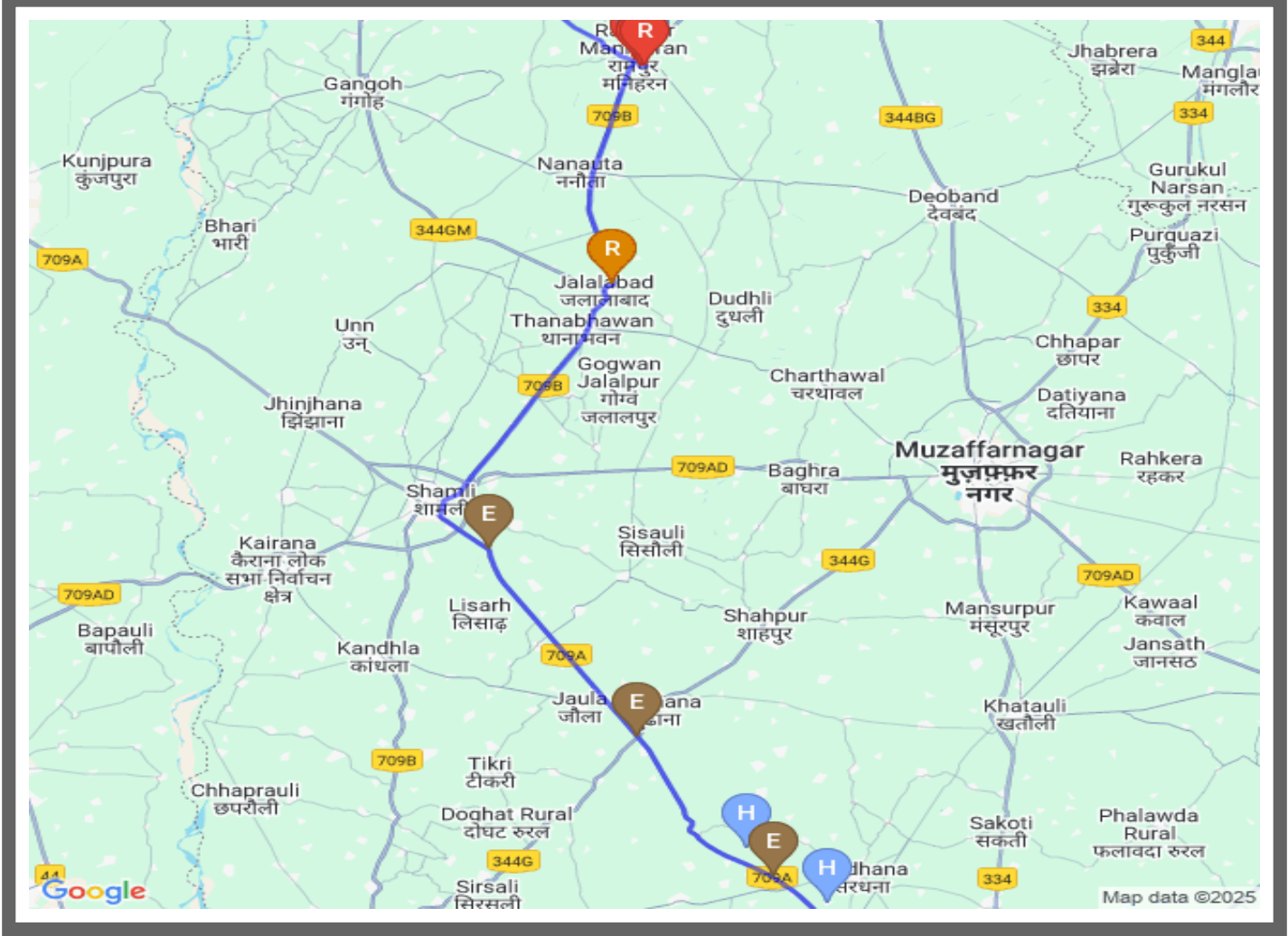
Risk Points (Sharp Turns)	15	Marked with severity color coding
Emergency Services	15	Hospitals and medical facilities
Elevation Change Points	10	Significant gradient changes
Points of Interest	42	Fuel, food, and service locations
Total Route Points	2684	Complete GPS coordinate coverage

MULTI-LAYER ROUTE ANALYSIS MAP

MAP LAYERS EXPLANATION

[RISK] Risk Layer	Sharp turns and hazardous points marked with severity levels
[HOSPITAL] Emergency Layer	Hospitals and emergency services along the route
[ELEVATION] Elevation Layer	Significant elevation changes and gradient points
[ROUTE] Route Layer	Complete route path with all coordinates
[POI] POI Layer	Points of interest including fuel, food, and services

COMPREHENSIVE MULTILAYER MAP



LAYER DATA STATISTICS

Risk Points (Sharp Turns)	15	Marked with severity color coding
Emergency Services	15	Hospitals and medical facilities
Elevation Change Points	10	Significant gradient changes
Points of Interest	42	Fuel, food, and service locations
Total Route Points	2684	Complete GPS coordinate coverage

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)
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

GOOGLE API ENHANCED HEAVY VEHICLE ANALYSIS

HEAVY VEHICLE SUITABILITY: 0/100 - POOR

ROAD INFRASTRUCTURE ANALYSIS

Road Width Assessment	Unknown
Bridge Compatibility	Unknown
Weight Restrictions	Unknown
Height Clearance	Unknown
Turning Radius Compatibility	Unknown
Overall Infrastructure Score	0/100

HOSPITALS - Emergency Medical Services

S.No	Name	Location	Latitude	Longitude	Distance (km)
1	Sanjeevani Yoga And Natur...	Unnamed Road, Surya Pa...	29.0062	77.6571	0.5
2	Chhatrapati Shivaji Subha...	Swami Vivekanand Subha...	29.0596	77.6416	0.2
3	Dr Lal PathLabs - Patient...	Shop No 17, Khana Plaz...	29.1482	77.5537	0.3
4	Government Hospital-PHC	4GMR+XV2	29.1996	77.4915	0.2
5	Community health centre, ...	4GMR+QWG, Meerut	29.3081	77.4160	0.3
6	medical store	4GWP+9HQ, Dahar	29.4082	77.3489	0.2
7	Get Well Hospital and Ult...	Karnal - Shamli Road, ...	29.4684	77.3310	0.5
8	Ayushman Arogya Mandir	C83X+279, Kabraut	29.5535	77.4016	0.3
9	bansal hospital	C83Q+V9C, Jhal	29.6258	77.4354	0.3
10	Eddy Goverment Hospital	JCFR+45C, Jalalabad	29.7384	77.4264	0.6
11	Ayushman Arogay Mandir Ja...	JCFR+45C, Jalalabad	29.8011	77.4517	0.1
12	Jalalabad Hospital	JCFR+24G, Jalalabad	29.7955	77.4608	0.5
13	Al Fatima Child And Medic...	RC5V+9R6, near Eidgah,...	29.8108	77.4427	0.1
14	family clinic	RF26+FFR, Rampur Manih...	29.8377	77.4045	0.1
15	Jan ausdhi kendra	near govt.hospital, Ba...	29.8626	77.3284	0.4

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	77.6608	0.3
2	cng pump meerut	WMJ5+6X6, Block 4A, Se...	29.0879	77.6072	0.4
3	Hindustan Petroleum Corpo...	Ground Floor, Crossing...	29.1823	77.4955	0.1
4	RDML Energy Services Indi...	Bhuni Crossing Binoli-...	29.2761	77.4483	0.4
5	Petrol Pump	Meerut	29.3915	77.3544	0.4
6	Shiv Kailash Fuel Point H...	Meerut Karnal, Nationa...	29.4584	77.3291	0.3
7	HP Petrol Pump - Ganga Fi...	C84X+9WF, Kabraut	29.5686	77.4110	0.6
8	My Eco Energy	India	29.6551	77.4314	0.1
9	Bharat Petroleum (Aziz Fi...	Thanabhawan	29.7632	77.4348	0.5
10	Indane Gas	HCQJ+5VV	29.7971	77.4611	0.4
11	Vijay Filling Service Sta...	Vijay Filling Service,...	29.8046	77.4440	0.4
12	Hindustan Petroleum	Telipura Nazirpura, Ra...	29.8383	77.4029	0.1
13	Bharat Petroleum	India	29.8585	77.3243	0.5

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...	29.0128	77.6563	0.1
2	Bhai Joga Singh Public Sc...	WMXM+H76, Surya Palace...	29.0730	77.6213	0.4
3	METRO PUBLIC SCHOOL	Shatabdi Nagar, Rithan...	29.1622	77.5202	0.3
4	J.N.Public School	5GGW+WXW, Meerut	29.2393	77.4680	0.4
5	Chaudhary Amar Singh ITI	4HQ6+VMQ, Gotka	29.3459	77.3873	0.4
6	Kadam Public School	Bhooni Chauraha, Shaml...	29.4366	77.3163	0.1
7	Vedantam Public School	Kudana Main Road, Jama...	29.5028	77.3677	0.4
8	BrainZone Junior High sch...	Karnal - Meerut Road, ...	29.6156	77.4371	0.3
9	KVM High School Kabraut	C942+XFG, Karnal - Mee...	29.6805	77.4234	0.4
10	Divya Public School	Saharanpur - Delhi Roa...	29.7798	77.4483	0.3
11	Alpine International Scho...	JC5J+C5C, State Highwa...	29.8043	77.4653	0.5
12	Motherland Public School	RF32+VHX, Rampur Manih...	29.8098	77.4460	0.2
13	Gurukul Computer Academy	RF53+2QR, Bypass Road,...	29.8422	77.4019	0.2
14	D.A.V. Public School Ramp...	QFV2+W55, Saharanpur	29.8632	77.3289	0.4

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,...	29.0104	77.6518	0.2
2	CROWN Hotel & Restaurant	Ved Vyas Puri -Phase 1...	29.0667	77.6412	0.7
3	Domino's Pizza Shopprix...	Shop No. 7A, Upper Gro...	29.1465	77.5504	0.1
4	Sunny restaurant	4HQ7+R7X, Bhuni	29.2058	77.4883	0.1
5	Fauji Restaurant & Cafe	4HP8+83G, Bhuni Chowk,...	29.3071	77.4228	0.3
6	CHAUDHARY DHABA	4HP9+XJJ, Sardhana - B...	29.4093	77.3516	0.1
7	Mid-Way Point Family Rest...	NH 709A, Karnal - Meer...	29.4687	77.3385	0.1
8	Amritsari Truck Dhaba	C87W+F9F, Shamli	29.5526	77.4004	0.3
9	Highway family dhaba	C87W+R5G, Barla Jatt	29.6260	77.4341	0.3
10	Iliyas Meet Shop	near by Charthawal, 04...	29.7314	77.4273	0.5
11	...	India	29.7962	77.4538	0.4
12		India	29.8019	77.4605	0.0
13	Guru gorakhnath misthan b...	RF34+9JQ, Rampur Manih...	29.8100	77.4385	0.3
14	Basant Sweets and Restaur...	Deoband road, Rampur M...	29.8371	77.3987	0.4
15	...	India	29.8573	77.3255	0.4

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...	29.0275	77.6634	0.4
2	Shatabdi Nagar Police Cho...	WMPG+W37, Shatabdi Nag...	29.0997	77.5983	0.2
3	Police Choki Shubharti Un...	XJ5Q+9R6, NH58, Meerut	29.1935	77.4979	0.4
4	Police check post	4HP8+GG5, Karnal - Mee...	29.3084	77.4252	0.5
5	Police Station SaroorPur ...	4GMR+54G	29.4276	77.3329	0.4
6		4GR9+GX, Jasar Sultann...	29.5106	77.3693	0.2
7	Police Chowki Lank	99F9+GCP, National Hig...	29.6191	77.4298	0.3
8	Police Chowki	JC9J+JXC, MDR 147W, Sh...	29.7308	77.4267	0.5
9	Police station Jalalabad	JC9J+JXM, Jalalabad	29.8039	77.4597	0.2
10	Jandheri Police	police station, Chando...	29.8098	77.4564	0.6
11	Police Thana Kotwali Ramp...	Shiv Puri, Rampur Mani...	29.8347	77.4139	0.5
12	Dharmendra kumar	RF53+2QR, Rampur Manih...	29.8624	77.3312	0.2

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

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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

TURN LOCATION ANALYSIS:

STREET VIEW - Driver Perspective:



SATELLITE MAP - Overhead View:



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

ADVANCED EMERGENCY PLANNING

EMERGENCY PREPAREDNESS: 100/100 - EXCELLENT

ALTERNATE ROUTES AVAILABLE

Total Alternates	2
Best Alternate	Best alternate: NH709A
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

WEATHER CONDITIONS ANALYSIS

WEATHER CONDITIONS ALONG ROUTE

Total Weather Points	10
Clear Weather Areas	0 locations (0.0%)
Cloudy Weather Areas	0 locations (0.0%)
Rainy Weather Areas	0 locations (0.0%)
Weather Data Source	Real-time weather monitoring
Analysis Accuracy	High - GPS coordinate based

DETAILED WEATHER POINTS

S.No	Location	Weather Condition	Temperature (°C)	Humidity (%)	Wind Speed (km/h)	Visibility
1	Point 1	Unknown	N/A	29	5.69	Good
2	Point 2	Unknown	N/A	28	3.18	Good
3	Point 3	Unknown	N/A	28	0.19	Good
4	Point 4	Unknown	N/A	27	4.36	Good
5	Point 5	Unknown	N/A	31	5.06	Good
6	Point 6	Unknown	N/A	33	5.06	Good
7	Point 7	Unknown	N/A	34	5.98	Good
8	Point 8	Unknown	N/A	33	6.42	Good
9	Point 9	Unknown	N/A	33	6.53	Good
10	Point 10	Unknown	N/A	33	6.66	Good

WEATHER ALERTS & RECOMMENDATIONS

High Risk Weather Areas	0	Requires extreme caution
Moderate Risk Areas	0	Requires normal caution
Safe Weather Areas	10	Normal driving conditions
Overall Weather Risk	LOW	Based on route analysis

WEATHER-SPECIFIC DRIVING RECOMMENDATIONS

- RAIN CONDITIONS: Reduce speed by 20-30%, increase following distance to 6 seconds
- FOG CONDITIONS: Use fog lights, reduce speed significantly, avoid overtaking
- STRONG WIND: Grip steering firmly, be cautious of high-sided vehicles
- EXTREME HEAT: Check vehicle cooling system, carry extra water
- STORM CONDITIONS: Consider postponing travel or finding shelter
- NIGHT TRAVEL: Reduce speed in poor weather, ensure proper lighting
- MONSOON SEASON: Check weather updates regularly, avoid waterlogged areas
- WINTER CONDITIONS: Check tire condition, carry emergency supplies

ROUTE RISK SEGMENTS ANALYSIS

Total Risk Segments	15
High Risk Segments	7 segments
Medium Risk Segments	2 segments
Low Risk Segments	6 segments
Critical Assessment	DANGEROUS
Risk Analysis Method	AI-based route assessment

DETAILED RISK SEGMENTS

Segment	Start Location	End Location	Risk Level	Risk Factor	Distance (km)	Recommendation
1	Unknown	Unknown	High	Sharp Turn	N/A	Caution
2	Unknown	Unknown	High	Sharp Turn	N/A	Caution
3	Unknown	Unknown	High	Sharp Turn	N/A	Caution
4	Unknown	Unknown	High	Sharp Turn	N/A	Caution
5	Unknown	Unknown	High	Sharp Turn	N/A	Caution
6	Unknown	Unknown	High	Sharp Turn	N/A	Caution
7	Unknown	Unknown	High	Sharp Turn	N/A	Caution
8	Unknown	Unknown	Medium	Sharp Turn	N/A	Caution
9	Unknown	Unknown	Medium	Sharp Turn	N/A	Caution
10	Unknown	Unknown	Low	Sharp Turn	N/A	Caution
11	Unknown	Unknown	Low	Sharp Turn	N/A	Caution
12	Unknown	Unknown	Low	Sharp Turn	N/A	Caution
13	Unknown	Unknown	Low	Sharp Turn	N/A	Caution
14	Unknown	Unknown	Low	Sharp Turn	N/A	Caution
15	Unknown	Unknown	Low	Sharp Turn	N/A	Caution

ENVIRONMENTAL IMPACT ANALYSIS

Total CO2 Emissions	87.77 kg
CO2 per Kilometer	0.670 kg/km
Fuel Consumption	32.8 liters
Environmental Rating	Low Impact
Emission Standard	BS-VI Compliant (assumed)
Carbon Offset Required	3 trees

ENVIRONMENTAL ZONES ALONG ROUTE

Zone Type	Location	Restrictions	Impact Level
Urban Area	City Centers	Emission norms	High
Highway	National Highways	None	Medium
Rural Area	Village Roads	Dust control	Low

ENVIRONMENTAL RECOMMENDATIONS

1. Maintain steady speed to optimize fuel efficiency
2. Plan route to avoid environmentally sensitive areas
3. Consider eco-friendly driving techniques
4. Regular vehicle maintenance for reduced emissions
5. Use air conditioning judiciously to save fuel
6. Plan stops to minimize engine idling time
7. Consider carbon offset programs for long journeys
8. Follow emission norms in city centers

TRAFFIC DENSITY ANALYSIS

Route Distance	131.0 km
Urban Area Points	537 locations
Highway Percentage	60%
Expected Traffic Density	High
Peak Hour Impact	Significant
Traffic Analysis Method	AI-based estimation

TRAFFIC SEGMENTS ANALYSIS

Segment	Location Type	Expected Density	Best Travel Time	Avoid Time	Speed Limit
S1	Urban Area	Low	6-10 AM	5-8 PM	40 km/h
S2	Highway	Medium	10 AM-4 PM	7-10 AM	80 km/h
S3	Rural Road	High	8-11 PM	5-8 PM	80 km/h
S4	City Center	Low	6-10 AM	7-10 AM	80 km/h
S5	Industrial Area	Medium	10 AM-4 PM	5-8 PM	80 km/h
S6	Urban Area	High	8-11 PM	7-10 AM	40 km/h

PEAK HOURS TRAVEL ANALYSIS

Time Period	Hours	Traffic Condition
Morning Peak	7:00 AM - 10:00 AM	Heavy traffic in urban areas
Evening Peak	5:00 PM - 8:00 PM	Heaviest traffic throughout route
Night Hours	10:00 PM - 6:00 AM	Minimal traffic, good for travel
Weekend Mornings	6:00 AM - 9:00 AM	Light traffic, ideal for travel
Lunch Hours	12:00 PM - 2:00 PM	Moderate traffic in city centers
School Hours	7:30 AM & 2:30 PM	Heavy traffic near schools

OPTIMAL TRAVEL TIME RECOMMENDATIONS

- BEST TIME: Start journey between 6:00 AM - 7:00 AM for minimal traffic
- AVOID: Evening rush hours (5:00 PM - 8:00 PM) for fastest travel
- WEEKEND TRAVEL: Saturday and Sunday mornings offer lightest traffic
- NIGHT TRAVEL: 10:00 PM - 5:00 AM ideal for long-distance journeys
- SCHOOL ZONES: Avoid 7:30-8:30 AM and 2:00-3:00 PM near schools
- LUNCH BREAK: 12:00-2:00 PM good for city center traversal
- MONSOON ADJUSTMENT: Add 30-40% extra time during rainy season
- FESTIVAL PERIODS: Expect 50-100% longer travel times during festivals

COMPREHENSIVE SAFETY RECOMMENDATIONS

OVERALL SAFETY SCORE: 0/100 - HIGH RISK

CRITICAL SAFETY RECOMMENDATIONS

- 1. PRE-JOURNEY INSPECTION: Check brakes, tires, lights, and fluid levels
- 2. EMERGENCY KIT: Carry first aid kit, tool kit, spare tire, and emergency contacts
- 3. WEATHER MONITORING: Check weather conditions and adjust travel plans accordingly
- 4. SPEED COMPLIANCE: Strictly follow speed limits, especially in sharp turns and urban areas
- 5. DEFENSIVE DRIVING: Maintain safe following distance and anticipate other drivers' actions
- 6. FATIGUE MANAGEMENT: Take breaks every 2 hours, avoid driving when tired
- 7. COMMUNICATION: Inform someone about your route and expected arrival time
- 8. VEHICLE DOCUMENTATION: Carry all necessary permits, licenses, and insurance papers

CRITICAL: 15 DANGEROUS TURNS DETECTED