



IndianOil

## JOURNEY RISK MANAGEMENT (JRM) STUDY

### IOCL Coimbatore Terminal to Sivam Agencies

#### Objective of the JRM Report

This JRM report is designed to ensure compliance with the Central Motor Vehicle Rules, 1989 (CMVR), AIS 140 standards, and the Road Transport Safety Policy (RTSP). It provides a comprehensive risk assessment for the transportation of hazardous materials along specified routes. By integrating these legal frameworks, the report offers a broad strategy for identifying and mitigating route-specific risks.

#### Regulatory Compliance

The report complies with the Central Motor Vehicles (Eleventh Amendment) Rules, 2022, mandating safe transportation practices for N2 and N3 category vehicles carrying hazardous materials. These rules require detailed route assessments, especially regarding road conditions, speed limits, and risk areas, to ensure safety compliance.

#### Risk Management Strategy

This report categorizes transportation routes into high-risk and medium-risk areas, with a focus on factors such as sharp turns, accident-prone regions, and elevation changes. The goal is to provide actionable

recommendations to minimize these risks, including speed regulations, driver warnings for hazardous zones, and the option of alternate routes.

## Compliance with the Road Transport Safety Policy (RTSP)

The report integrates RTSP provisions, including mandatory driving hours, rest periods, and nighttime driving restrictions. It ensures that drivers follow official guidelines, such as taking prescribed rest breaks and avoiding dangerous road conditions like poor visibility, heavy crowds, or high-traffic areas during peak hours.

## Emergency Preparedness and Response

The report highlights the significance of predetermined emergency stops for refueling, rest, and overnight stays. It includes protocols for safe responses to road hazards, alternative routes, and rerouting processes if roads are closed or severe weather arises. This aligns with the RTSP emphasis on driver safety and rapid emergency response.

## Environmental Considerations

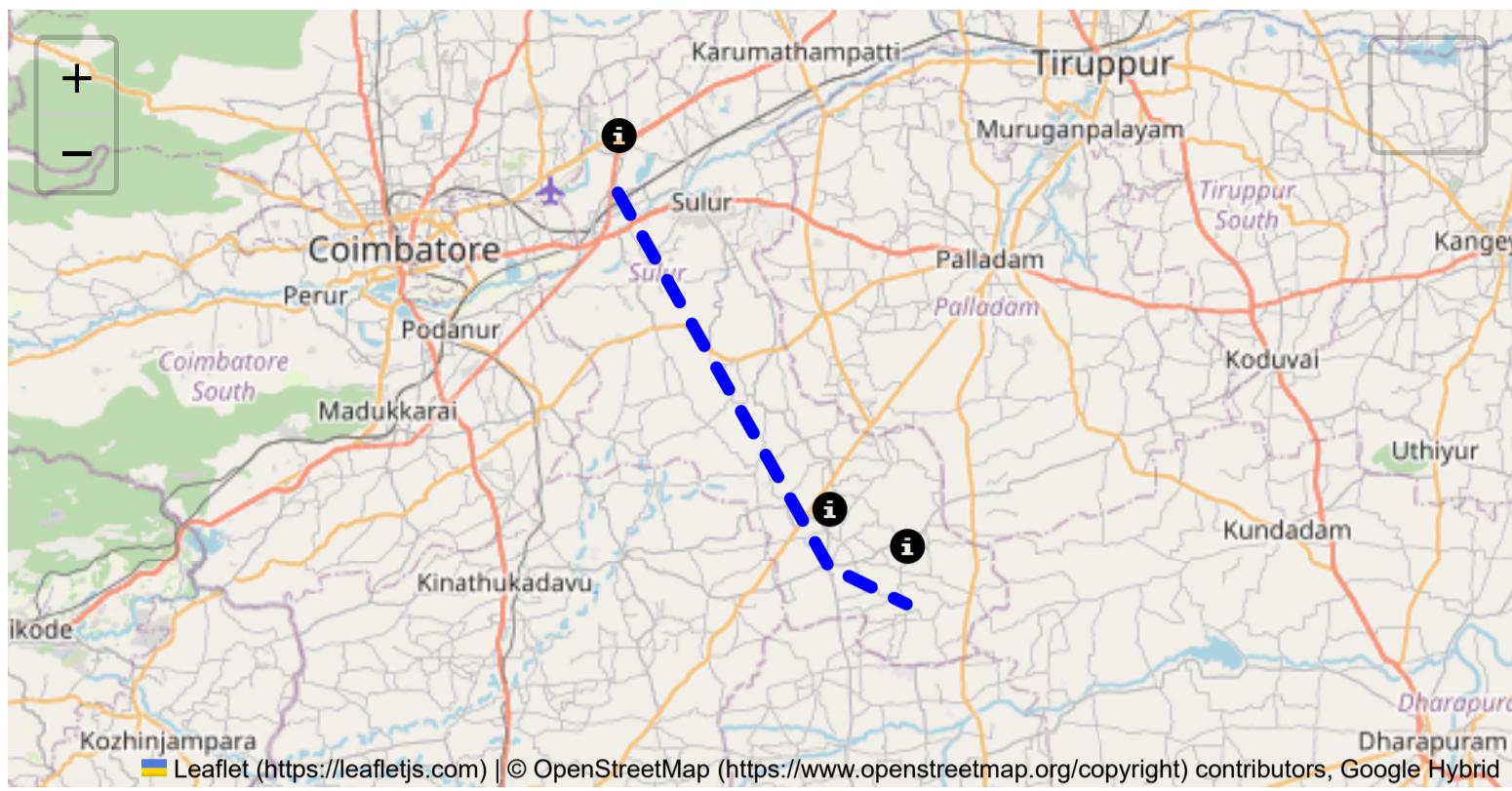
The JRM report addresses environmental risks along the route, ensuring compliance with environmental protection laws in ecologically sensitive zones. It suggests strategies such as identifying areas near water bodies, forests, or populated regions and implementing safety measures to minimize environmental impacts during transport.

## Journey Risk Mitigation

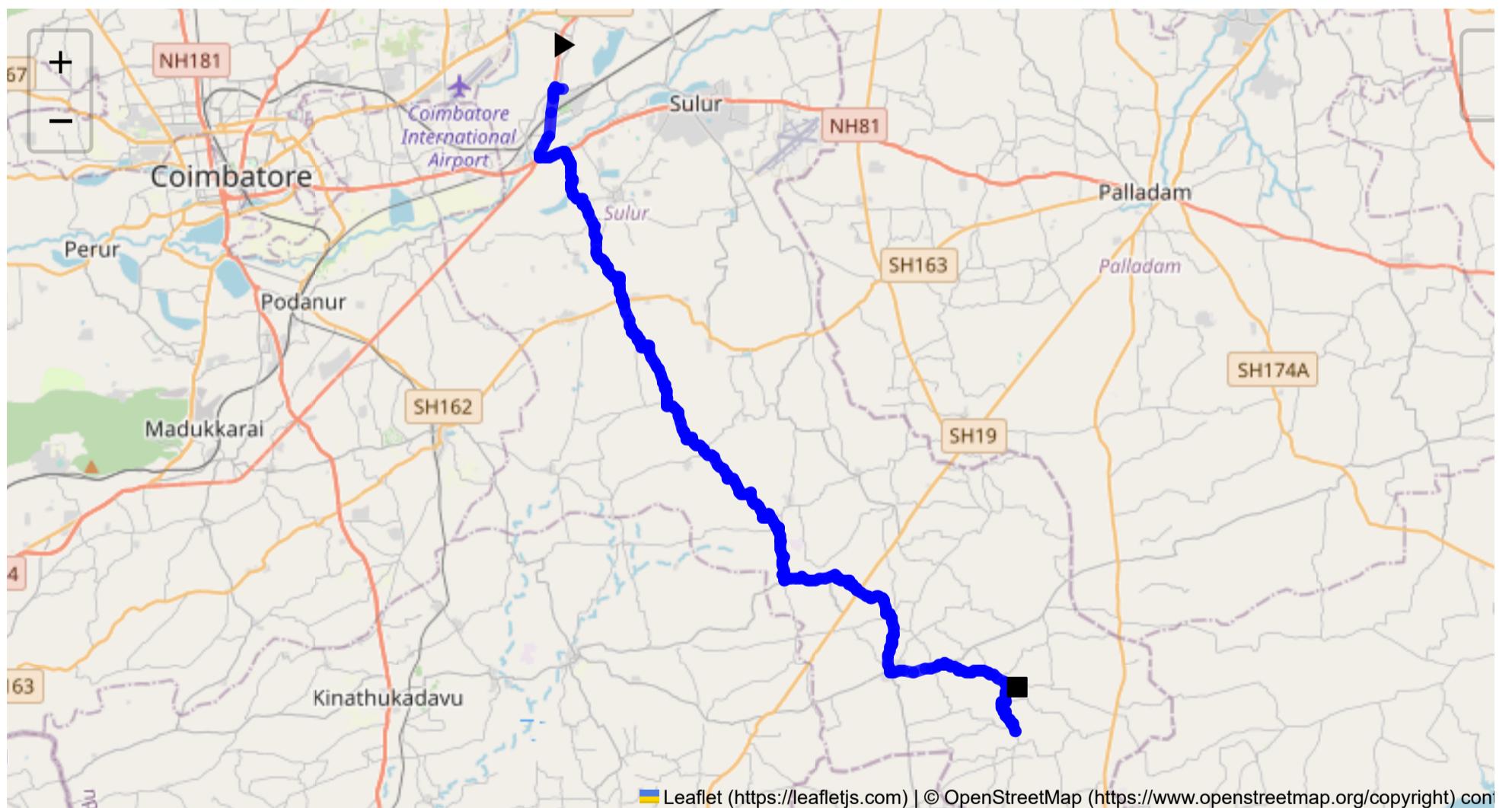
The report includes route-specific risk assessments, detailed journey charts, and defensive driving guidelines for each transport route. Integration with vehicle tracking systems guarantees real-time warnings on hazardous areas, speed limits, and mandatory stops, consistent with RTSP and CMVR safety norms.

## Compliance with Government Directives

This report fully adheres to governmental directives regarding hazardous material transportation, implementing mandatory speed limits, nighttime driving restrictions, and comprehensive driver briefings and real-time alerts about route-related risks.



**Route Summary:**  
**Total Distance: 39.31 km**  
**Estimated Duration: 1.1 hours**  
**Adjusted Duration (Heavy Vehicle): 1.4 hours**  
**Start: (11.0315, 77.0797)**  
**End: (10.810228, 77.238037)**



## Welcome to the Journey Risk Management Study

### Route Safety Analysis Report

- Overview of the Route Map:** The route spans approximately 39.31 kilometers, starting at Athappagoundenpudur, passing through Maniam Complex in Senjerimalai, and ending in Jaykarinapuram, Tamil Nadu. The route generally includes rural and semi-urban roads, with a combination of state highways and local roads.

**2. Typical Weather Conditions and Potential Weather-Related Hazards:** The region typically experiences a tropical climate with a pronounced monsoon season from June to September. Heavy rainfall during monsoons can lead to slippery roads and flooding in low-lying areas, affecting visibility and traction. The summer months can experience high temperatures, potentially leading to road surface damage or overheating of vehicles.

**3. Analysis of Traffic Patterns:**

- **Peak Hours:** Morning between 8-10 AM and evening between 5-7 PM.
- **Congestion-Prone Areas:** The vicinity around Maniam Complex and local markets can lead to increased pedestrian traffic and congestion. Main junctions connecting state highways may also experience backups during peak times due to slow-moving agricultural machinery and local traffic.

**4. Assessment of Road Quality and Infrastructure:** The road quality ranges from good on the state highways to variable on local roads where potholes and uneven surfaces may be present. Signage may be sparse or unclear in rural areas. Infrastructure, such as bridges and culverts, can vary in condition but typically supports the passage of heavy vehicles.

**5. Suggestions for Alternative Routes for Emergencies:** In case of an emergency, consider diverting to the major highway NH 544, which runs through Coimbatore, providing larger roads and better infrastructure that may support faster evacuation or diversion.

**6. Summary of Local Regulations Affecting Hazardous Material Transport:** Local regulations mandate adherence to the general Central Motor Vehicles Rules for hazardous materials, including proper labeling and the availability of Material Safety Data Sheets (MSDS) for all materials transported. Restrictions may also apply near populated areas and during festival seasons.

**7. Overview of Historical Incidents Involving Heavy Vehicles or Hazardous Materials:** Historical data indicate sporadic incidents involving overturned trucks due to poor road conditions and driver fatigue. Scenarios have generally been attributed to speeding, driver distraction, and adverse weather.

**8. Environmental Considerations and Sensitive Areas:** The route passes near agricultural lands; therefore, spillage of hazardous materials could impact crops and soil. Also, ensure the proper containment of materials as the route may cross streams and small water bodies that could be sensitive to contamination.

**9. Analysis of Communication Coverage:** While major towns like Senjerimalai have good mobile network coverage, there may be occasional dead zones in rural stretches of the route. It is advisable to use a satellite phone or ensure backup communication tools for emergencies.

**10. Estimated Emergency Response Times for Different Route Segments:**

- **Athappagoundenpudur to Maniam Complex:** Approx. 30-40 minutes.
- **Maniam Complex to Jaykarinapuram:** Approx. 45-60 minutes. These times could increase substantially during adverse weather or peak traffic hours.

**11. Overall Summary of Risk Assessment:** The route is moderately risky due to varying road conditions, weather-related challenges, potential traffic congestion, and communication dead zones. However, with proper planning, including timing the journey to avoid peak hours, being cautious of road conditions, and

having emergency response plans in place, risks can be effectively managed. Extra caution in adherence to safety regulations and environmental protection measures should further mitigate risks related to hazardous materials.

## Risk Assessment - Turns

	Risk Type	Risk Level	Coordinates	Speed Limit
0	Blind Spot	Blind Spot	11.03211, 77.07640	10 KM/Hr
1	Turn	Medium	11.00787, 77.07082	30 KM/Hr
2	Turn	High	11.00778, 77.07085	15 KM/Hr
3	Blind Spot	Blind Spot	11.01005, 77.08007	10 KM/Hr
4	Turn	Medium	11.00699, 77.08112	30 KM/Hr
5	Turn	High	10.99360, 77.08607	15 KM/Hr
6	Turn	High	10.99147, 77.08623	15 KM/Hr
7	Turn	Medium	10.99150, 77.08684	30 KM/Hr
8	Turn	Medium	10.99143, 77.08704	30 KM/Hr
9	Turn	Medium	10.97512, 77.09080	30 KM/Hr
10	Turn	Medium	10.97328, 77.09207	30 KM/Hr
11	Turn	Medium	10.96706, 77.09742	30 KM/Hr
12	Turn	Medium	10.96690, 77.09891	30 KM/Hr
13	Turn	High	10.96678, 77.09908	15 KM/Hr
14	Turn	Medium	10.96594, 77.09921	30 KM/Hr
15	Turn	Medium	10.96172, 77.09910	30 KM/Hr
16	Turn	Medium	10.94760, 77.10404	30 KM/Hr
17	Turn	Medium	10.94726, 77.10468	30 KM/Hr
18	Blind Spot	Blind Spot	10.94262, 77.10723	10 KM/Hr
19	Turn	High	10.94340, 77.10925	15 KM/Hr
20	Turn	Medium	10.92492, 77.11587	30 KM/Hr
21	Turn	High	10.92270, 77.11562	15 KM/Hr
22	Turn	Medium	10.92234, 77.11761	30 KM/Hr
23	Turn	Medium	10.92028, 77.11981	30 KM/Hr
24	Turn	Medium	10.91253, 77.12238	30 KM/Hr
25	Turn	Medium	10.91090, 77.12292	30 KM/Hr
26	Turn	High	10.91081, 77.12302	15 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
27	Turn	High	10.91150, 77.12446	15 KM/Hr
28	Turn	Medium	10.90973, 77.12522	30 KM/Hr
29	Turn	Medium	10.90876, 77.12759	30 KM/Hr
30	Turn	Medium	10.90572, 77.13015	30 KM/Hr
31	Turn	Medium	10.90545, 77.13168	30 KM/Hr
32	Turn	Medium	10.89766, 77.13692	30 KM/Hr
33	Turn	High	10.89746, 77.13706	15 KM/Hr
34	Turn	High	10.89725, 77.13908	15 KM/Hr
35	Turn	Medium	10.89251, 77.14146	30 KM/Hr
36	Turn	Medium	10.89197, 77.14253	30 KM/Hr
37	Turn	High	10.89236, 77.14497	15 KM/Hr
38	Turn	Medium	10.88950, 77.14612	30 KM/Hr
39	Turn	Medium	10.88399, 77.14962	30 KM/Hr
40	Turn	Medium	10.88389, 77.14983	30 KM/Hr
41	Turn	Medium	10.88391, 77.15009	30 KM/Hr
42	Turn	Medium	10.88467, 77.15087	30 KM/Hr
43	Turn	High	10.88510, 77.15153	15 KM/Hr
44	Turn	Medium	10.88068, 77.15443	30 KM/Hr
45	Turn	High	10.88066, 77.15466	15 KM/Hr
46	Turn	Medium	10.87580, 77.15538	30 KM/Hr
47	Turn	Medium	10.86761, 77.15622	30 KM/Hr
48	Turn	High	10.86481, 77.15684	15 KM/Hr
49	Turn	High	10.86464, 77.15662	15 KM/Hr
50	Turn	High	10.86243, 77.15711	15 KM/Hr
51	Turn	High	10.86425, 77.17490	15 KM/Hr
52	Turn	Medium	10.86299, 77.17573	30 KM/Hr
53	Turn	High	10.86212, 77.17968	15 KM/Hr
54	Turn	Medium	10.86200, 77.17974	30 KM/Hr
55	Turn	High	10.86160, 77.17964	15 KM/Hr
56	Turn	Medium	10.85888, 77.18247	30 KM/Hr
57	Turn	Medium	10.85611, 77.18752	30 KM/Hr
58	Turn	Medium	10.85612, 77.18812	30 KM/Hr
59	Turn	Medium	10.85696, 77.19019	30 KM/Hr
60	Turn	Medium	10.85601, 77.19162	30 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
61	Turn	Medium	10.85531, 77.19203	30 KM/Hr
62	Turn	Medium	10.85143, 77.19268	30 KM/Hr
63	Turn	Medium	10.85099, 77.19297	30 KM/Hr
64	Turn	Medium	10.85075, 77.19336	30 KM/Hr
65	Turn	Medium	10.85072, 77.19389	30 KM/Hr
66	Turn	Medium	10.84157, 77.19489	30 KM/Hr
67	Turn	Medium	10.84140, 77.19474	30 KM/Hr
68	Turn	Medium	10.84090, 77.19461	30 KM/Hr
69	Turn	High	10.83076, 77.19409	15 KM/Hr
70	Turn	High	10.83376, 77.21324	15 KM/Hr
71	Turn	Medium	10.83315, 77.21382	30 KM/Hr
72	Turn	Medium	10.83176, 77.21799	30 KM/Hr
73	Turn	Medium	10.83133, 77.21827	30 KM/Hr
74	Turn	Medium	10.83067, 77.22847	30 KM/Hr
75	Turn	Medium	10.83012, 77.22908	30 KM/Hr
76	Turn	Medium	10.83007, 77.23041	30 KM/Hr
77	Turn	Medium	10.82695, 77.23474	30 KM/Hr
78	Turn	Medium	10.82339, 77.23437	30 KM/Hr
79	Turn	Medium	10.82071, 77.23467	30 KM/Hr
80	Turn	Medium	10.82058, 77.23459	30 KM/Hr
81	Turn	High	10.82007, 77.23294	15 KM/Hr
82	Turn	Medium	10.81877, 77.23305	30 KM/Hr
83	Turn	High	10.81806, 77.23392	15 KM/Hr
84	Turn	High	10.81739, 77.23401	15 KM/Hr
85	Turn	High	10.81711, 77.23443	15 KM/Hr
86	Turn	Medium	10.81565, 77.23435	30 KM/Hr
87	Turn	Medium	10.81278, 77.23725	30 KM/Hr

## Emergency Locations

	type	name	coordinates	speed_limit	risk_level
0	hospital	Saraswathi Hospital	11.0069868, 77.071368	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
1	clinic	Dr. V. Ramakrishnan Clinic	11.0086635, 77.081108	30 km/h	Medium

## Crowded Spots

	type	name	coordinates	speed_limit	risk_level
2	college	Kalaignar Karunanidhi Institute of Technology	10.9992121, 77.0842214	30 km/h	Medium

## Route Photos of Risky Spots



Risk Type: Blind Spot

Risk Level: Blind Spot

Speed Limit: 10 KM/Hr

Coordinates: 11.03211, 77.07640



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.00787, 77.07082



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.00778, 77.07085



**Risk Type:** Blind Spot  
**Risk Level:** Blind Spot  
**Speed Limit:** 10 KM/Hr  
**Coordinates:** 11.01005, 77.08007



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.00699, 77.08112



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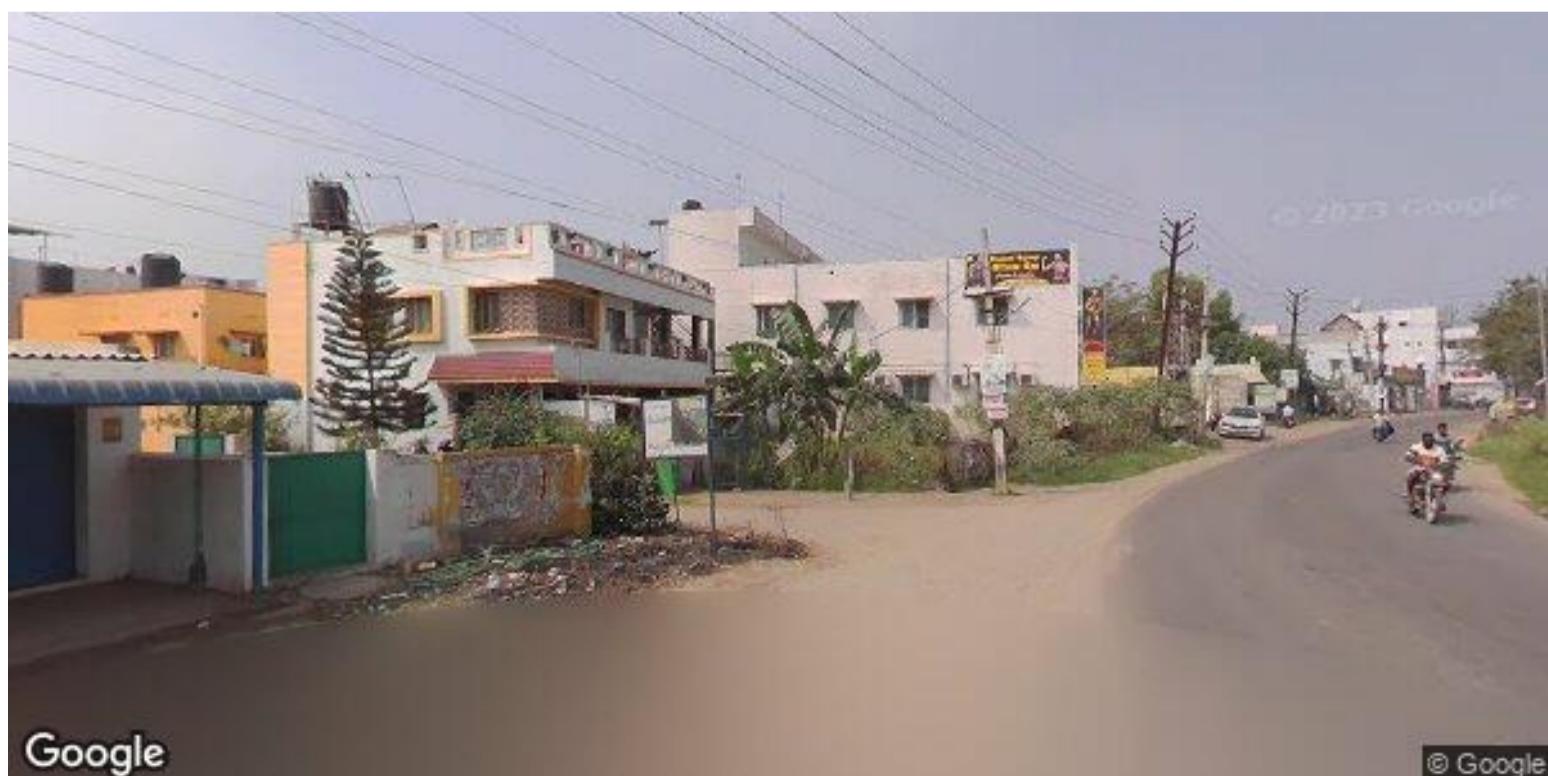
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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

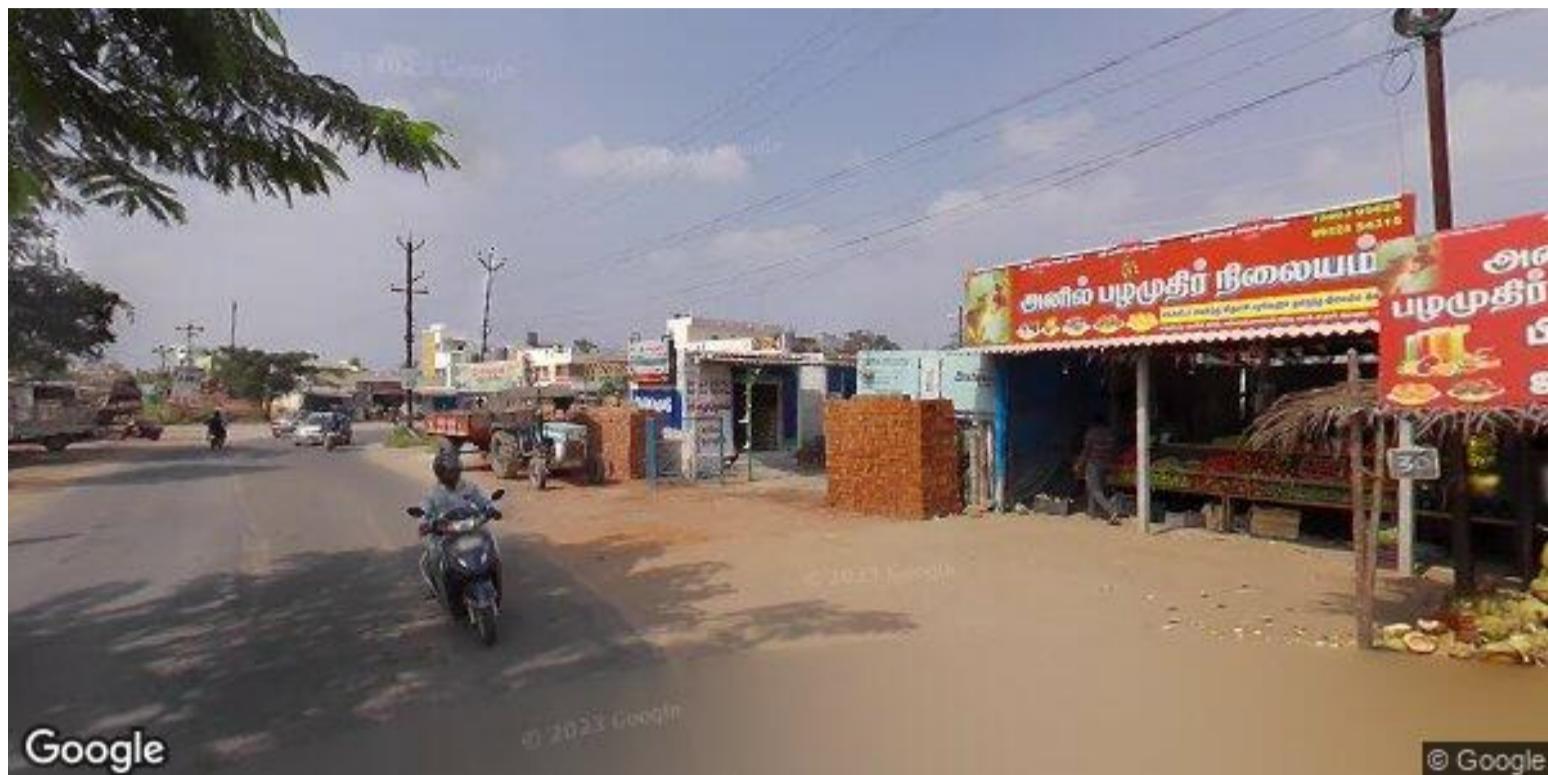
**Coordinates:** 10.99360, 77.08607



Google

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**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.99147, 77.08623



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.99150, 77.08684



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.99143, 77.08704



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.97512, 77.09080



Google

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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.97328, 77.09207



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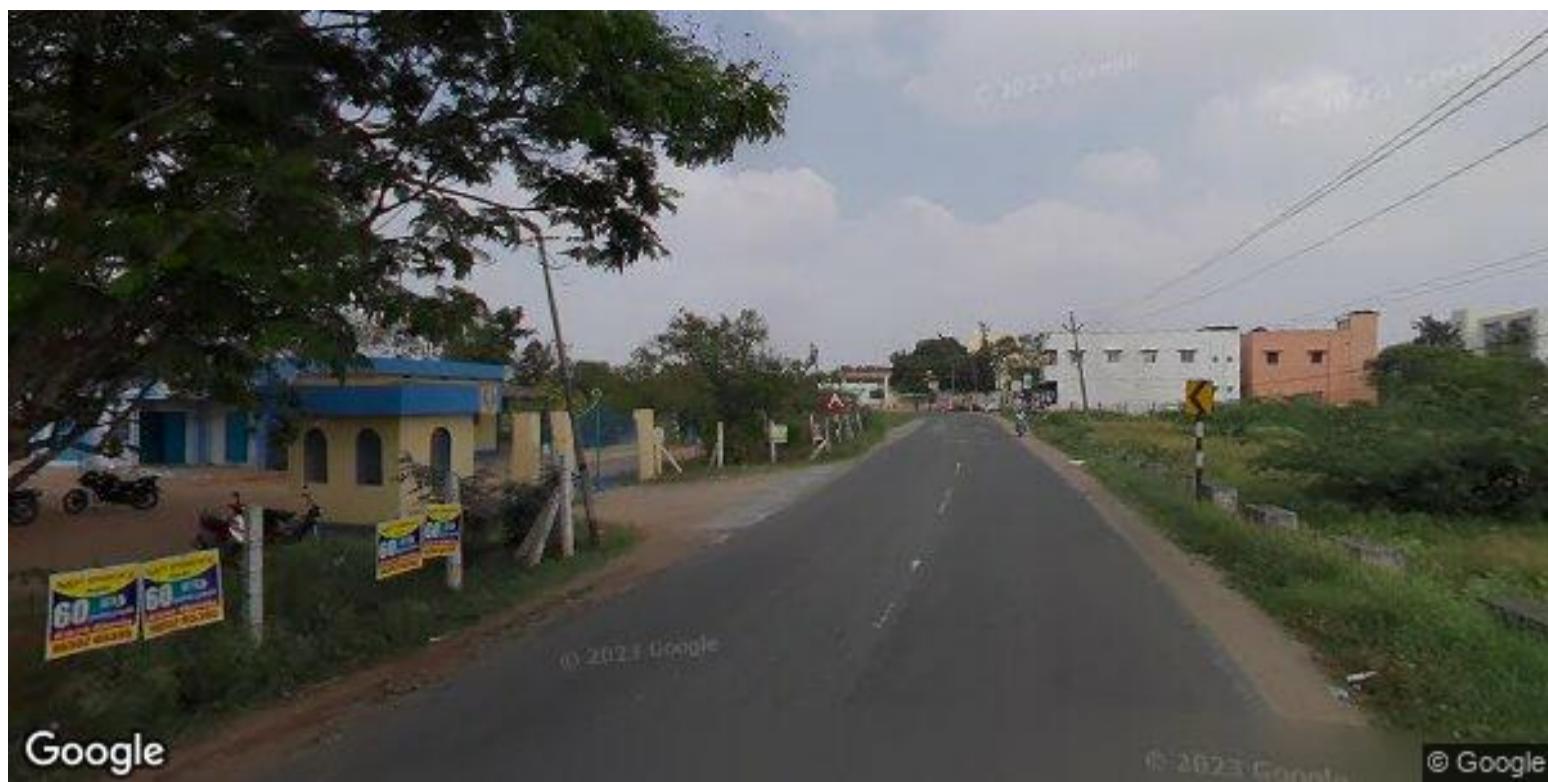
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**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.96706, 77.09742



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.96690, 77.09891



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.96678, 77.09908



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.96594, 77.09921



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.96172, 77.09910



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.94760, 77.10404



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.94726, 77.10468



Google

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**Risk Type:** Blind Spot

**Risk Level:** Blind Spot

**Speed Limit:** 10 KM/Hr

**Coordinates:** 10.94262, 77.10723



Google

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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.94340, 77.10925



Google

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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.92492, 77.11587



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**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.92270, 77.11562



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.92234, 77.11761



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.92028, 77.11981



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.91253, 77.12238



Google

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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.91090, 77.12292



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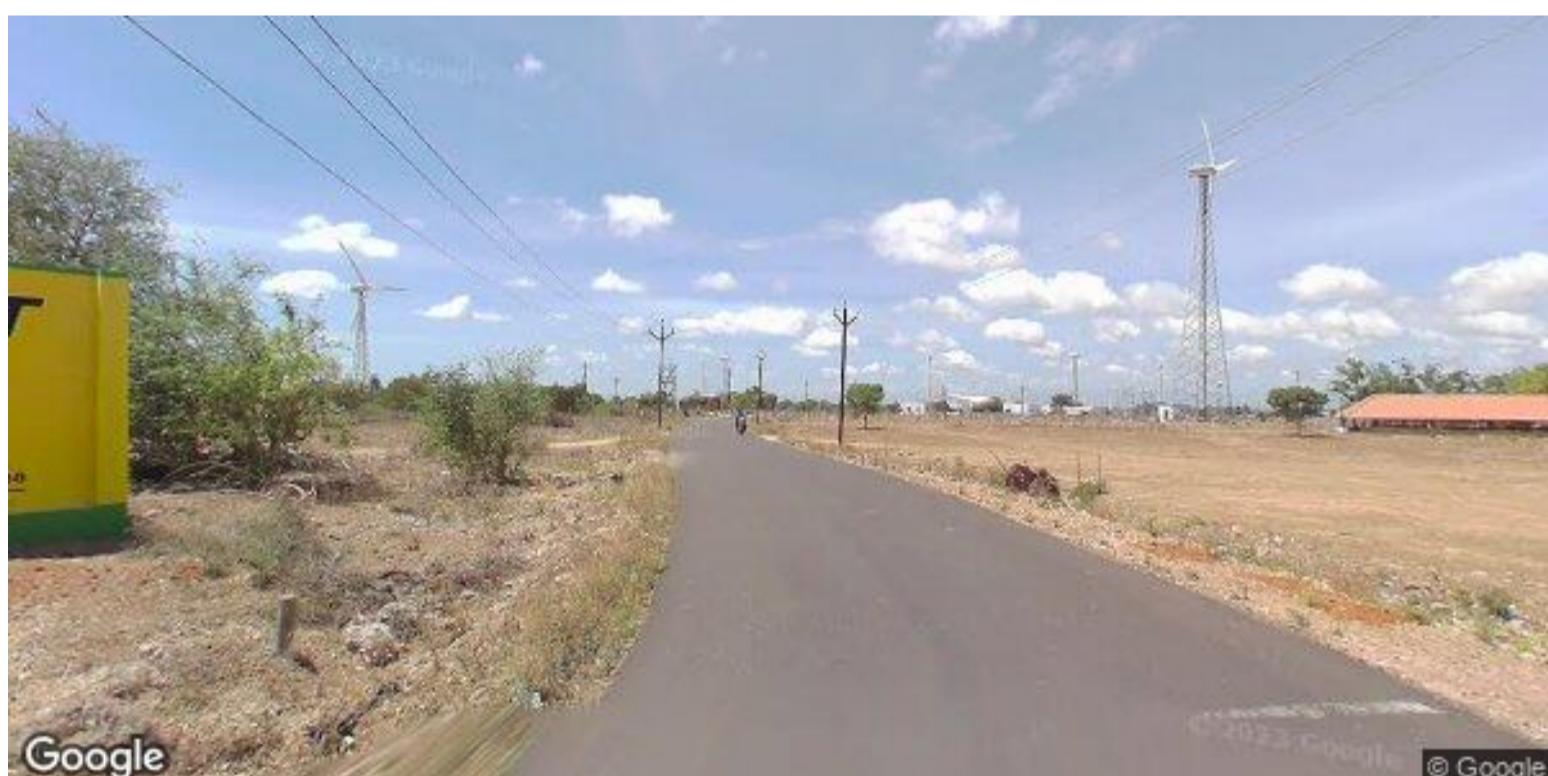
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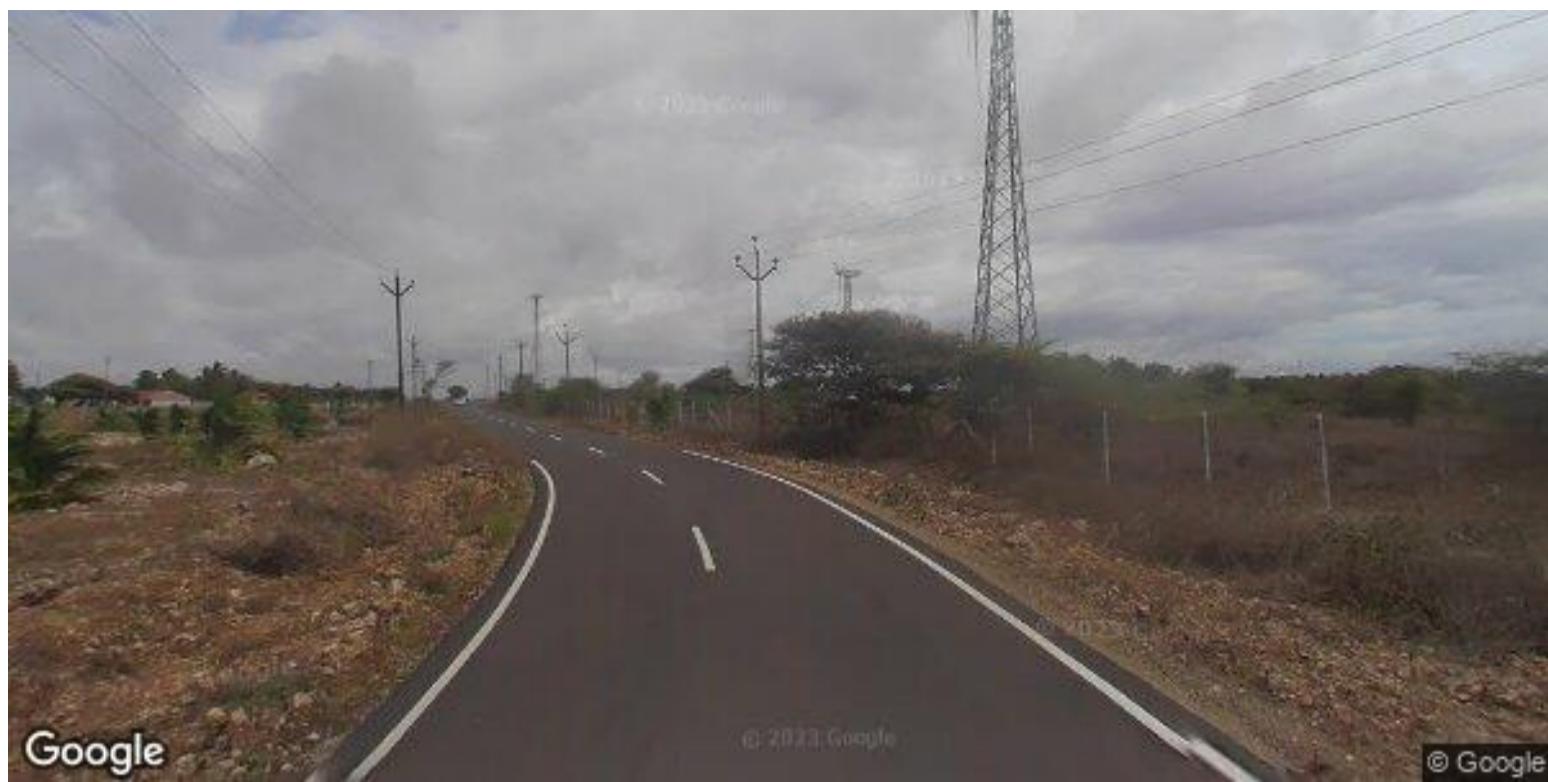
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**Speed Limit:** 15 KM/Hr  
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**Risk Type:** Turn  
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**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.91150, 77.12446



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.90973, 77.12522



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.90876, 77.12759



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.90572, 77.13015



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.90545, 77.13168

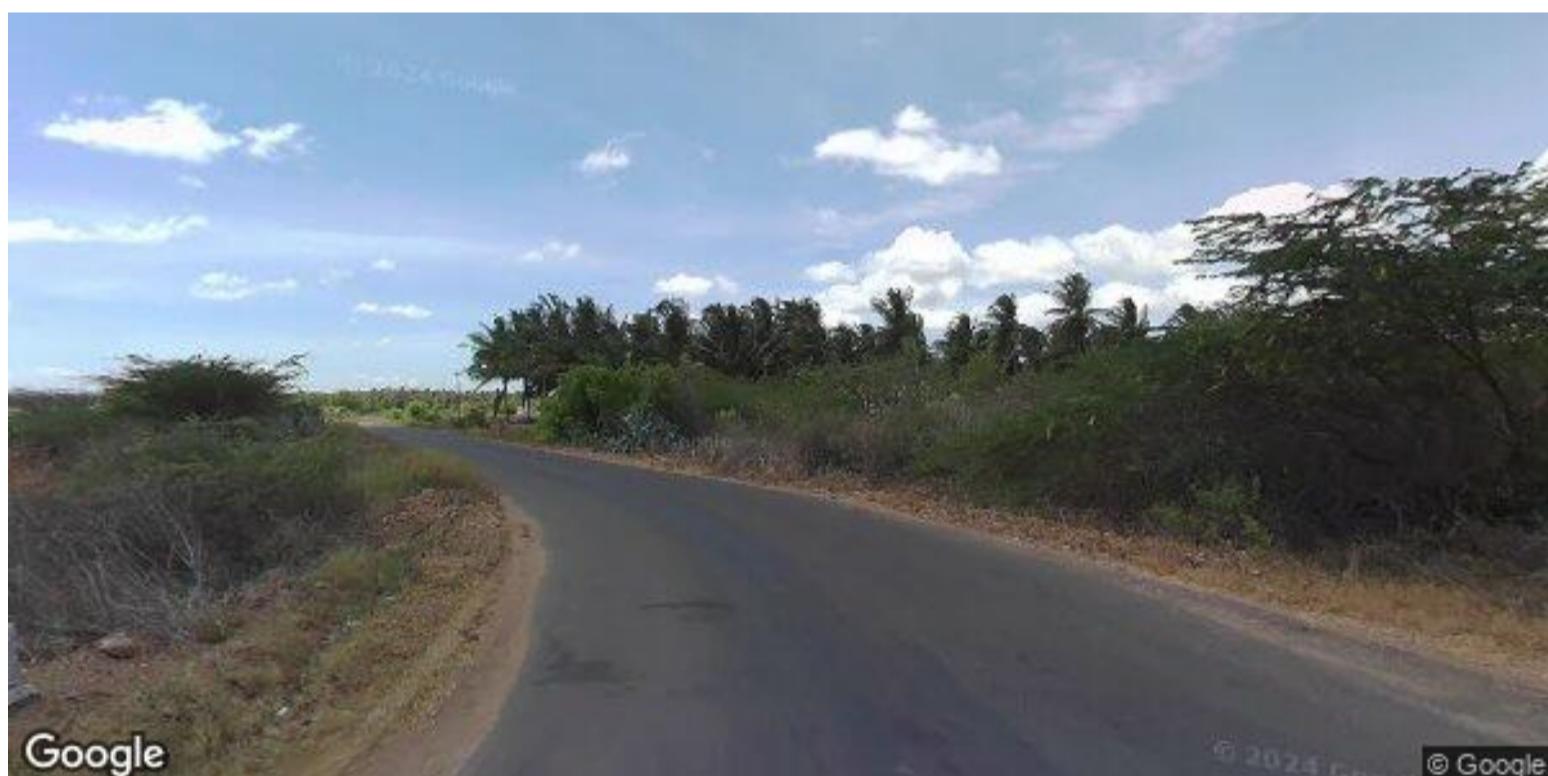


**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.89766, 77.13692



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.89746, 77.13706



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.89725, 77.13908



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.89251, 77.14146



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.89197, 77.14253



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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.89236, 77.14497



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.88950, 77.14612



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.88399, 77.14962



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.88389, 77.14983



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.88391, 77.15009

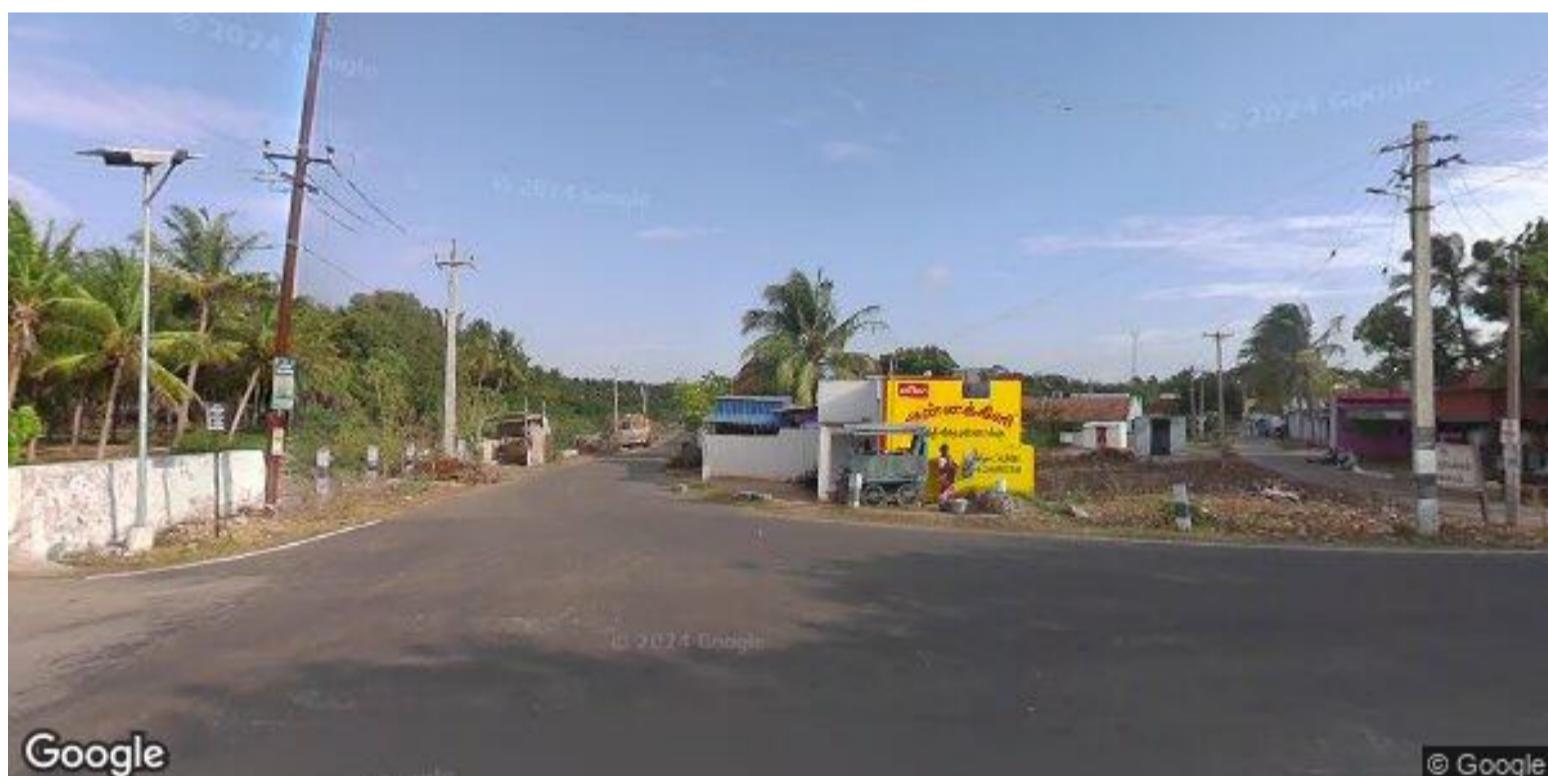


**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.88467, 77.15087



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.88510, 77.15153



Google

Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 10.88068, 77.15443



Google

Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 10.88066, 77.15466



Google

**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.87580, 77.15538



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.86761, 77.15622



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.86481, 77.15684



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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.86464, 77.15662



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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.86243, 77.15711



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**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.86425, 77.17490



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**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.86299, 77.17573



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**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.86212, 77.17968



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.86200, 77.17974



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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.86160, 77.17964



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85888, 77.18247



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85611, 77.18752



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85612, 77.18812



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85696, 77.19019



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85601, 77.19162



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85531, 77.19203



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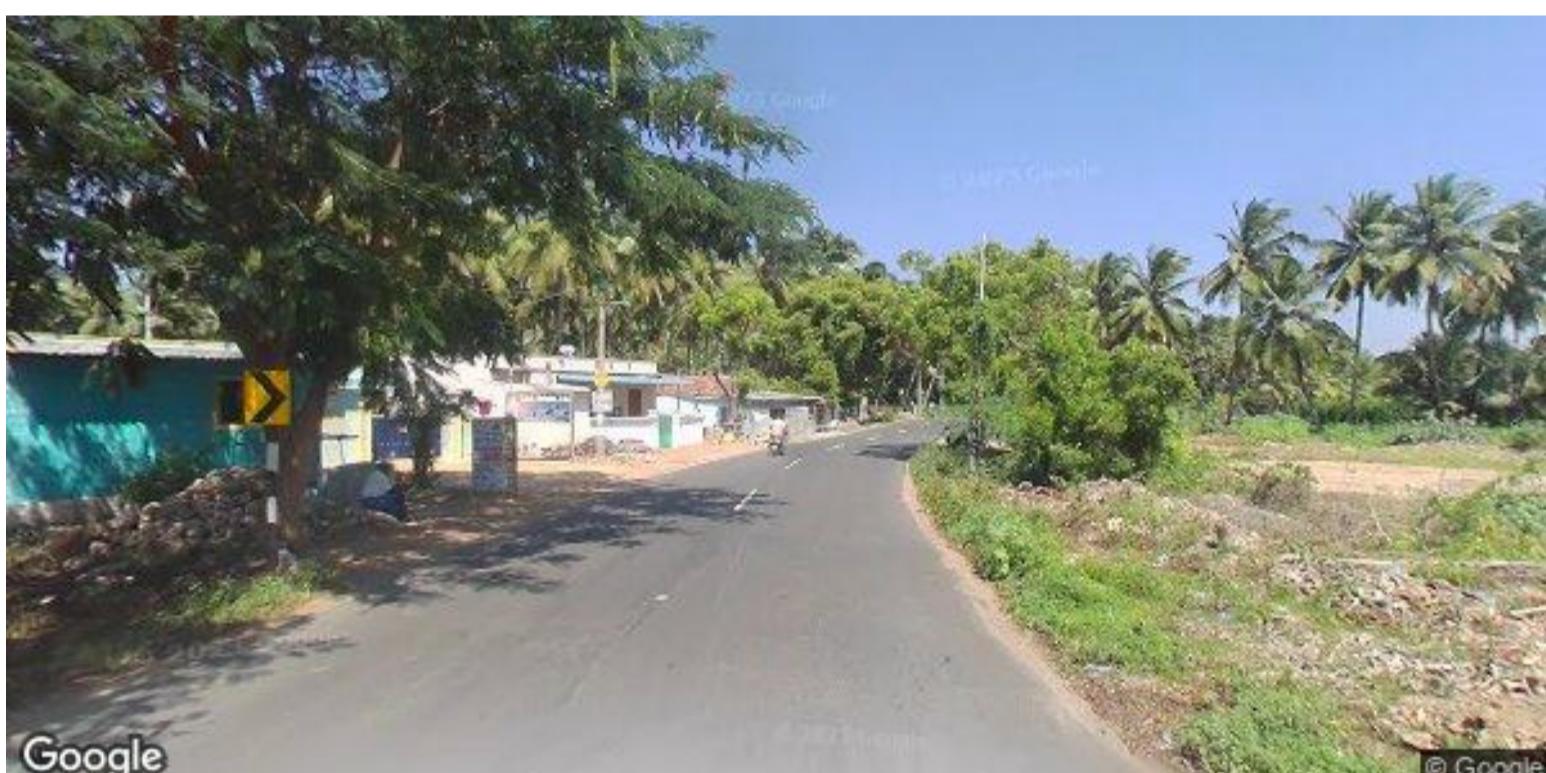
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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85143, 77.19268



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85099, 77.19297



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85075, 77.19336



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.85072, 77.19389



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.84157, 77.19489



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.84140, 77.19474



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.84090, 77.19461



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.83376, 77.21324



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83315, 77.21382



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83176, 77.21799



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83133, 77.21827



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83067, 77.22847



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83012, 77.22908



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© Google

**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.83007, 77.23041



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.82339, 77.23437



Google

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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.82071, 77.23467



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.82058, 77.23459



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**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 10.82007, 77.23294



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**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 10.81877, 77.23305



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**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 10.81739, 77.23401



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.81565, 77.23435



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 10.81278, 77.23725

