

# JOURNEY RISK MANAGEMENT (JRM) STUDY

# Salem Terminal To SHRI PONKALIYAMMAN OIL AGENCY

#### **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**

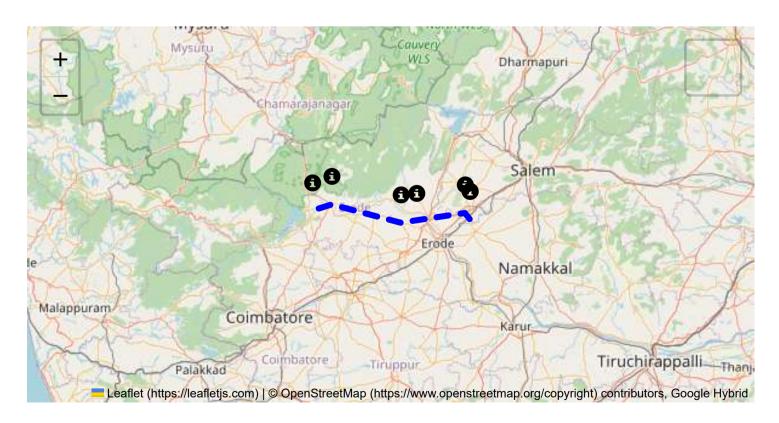
The JRM report addresses environmental risks along the route, ensuring compliance with environmental protection laws in ecologically sensitive zones. It suggests strategies such as identifying areas near water bodies, forests, or populated regions and implementing safety measures to minimize environmental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



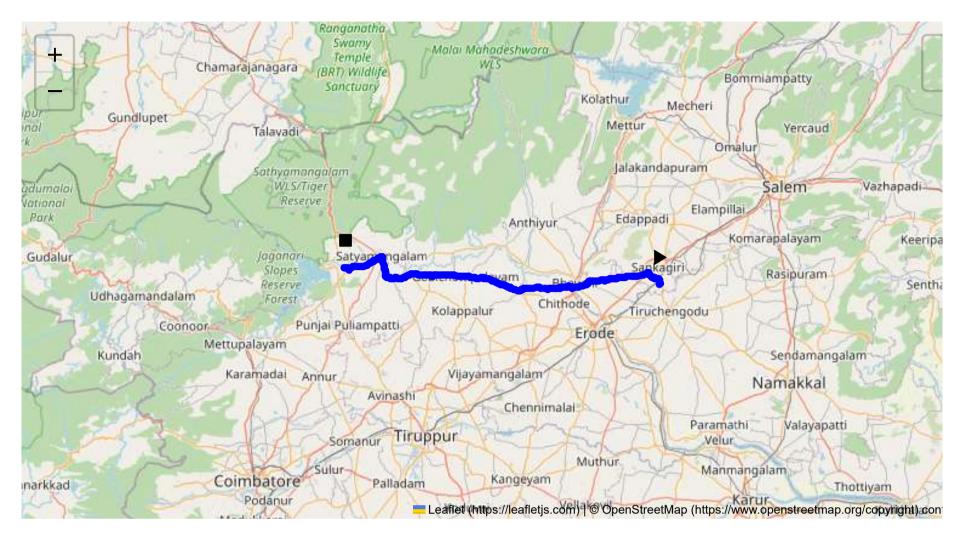
**Route Summary:** 

Total Distance: 89.50 km

**Estimated Duration: 2.0 hours** 

Adjusted Duration (Heavy Vehicle): 2.5 hours

Start: (11.4381, 77.8734) End: (11.475149, 77.158618)



#### Welcome to the Journey Risk Management Study

#### 1. Overview of the Route Map

The route from Sangagiri to Dhoddampalayam spans 89.50 kilometers, covering key locations such as Sangagiri town, SH 79A, Periyapuliyur, Kavindapadi, and Sathyamangalam. It involves traveling predominantly on State Highways, which are generally equipped for truck and heavy vehicle traffic.

# 2. Typical Weather Conditions and Potential Weather-Related Hazards

- Weather Conditions: Tamil Nadu typically experiences a tropical climate with significant rainfall during monsoon months (June to September and October to November).
- **Hazards:** Heavy rainfall can lead to slippery roads, flooding, and reduced visibility. This is particularly important in low-lying areas and near river crossings.

### 3. Analysis of Traffic Patterns

- **Peak Hours:** Morning (7:00 AM 9:00 AM) and evening (5:00 PM 8:00 PM) are peak hours, especially near towns and junctions.
- Congestion-Prone Areas: Sangagiri town and Sathyamangalam generally witness heavier congestion due to local commerce and vehicle density.

#### 4. Assessment of Road Quality and Infrastructure

- General Road Conditions: The condition of SH 79A is usually moderate, with occasional maintenance works that may slow travel. Rural roads may lack frequent resurfacing, making them bumpy in certain sections.
- Infrastructure Concerns: Periodic checks for potholes and road wear are necessary, especially postmonsoon.

#### 5. Suggestions for Alternative Routes

In emergencies, routes through adjacent highways connecting to Erode or diverting through smaller roads connecting nearby villages can serve as alternatives, but they may add travel time and require navigation through lesser-known terrain.

# 6. Summary of Local Regulations Affecting Hazardous Material Transport

- Permits Required: Transportation of hazardous materials requires special permits according to Tamil
   Nadu road regulations.
- Timing Restrictions: Movement of heavy vehicles in certain urban areas may be restricted during peak hours.

#### 7. Overview of Historical Incidents

 Historical Data: The area has reports of minor incidents, primarily related to vehicle accidents on highways, often attributed to road conditions during poor weather and heavy traffic.

#### 8. Environmental Considerations and Sensitive Areas

- **Sensitive Areas:** Near river crossings and forested areas around Sathyamangalam Reserve Forest, which is a wildlife-sensitive zone.
- **Environmental Impact:** Strict adherence to spill cleaning protocols is necessary to prevent pollution.

#### 9. Analysis of Communication Coverage

- Network Coverage: Generally good along most of the route with potential weak spots in remote rural sections, particularly approaching the Sathyamangalam forested areas.
- **Dead Zones:** Minimal but possible near dense foliage.

#### **10. Estimated Emergency Response Times**

• Response Times: Vary based on proximity to towns; quicker in urban centers like Sangagiri and Sathyamangalam, slower in rural stretches. Expected response time is approximately 15-30 minutes in populous areas and up to 45 minutes in remote parts.

#### 12. Overall Summary of Risk Assessment

The primary risks include weather-related road hazards, traffic congestion, and inadequate road maintenance, which may affect driving safety. Emergency preparedness and adherence to local transportation regulations are crucial in minimizing risks when transporting hazardous materials. Preplanned emergency routes and continuous communication with local authorities and monitoring systems significantly enhance safety. Regular updates and training for drivers on these points are recommended for maintaining standards and ensuring compliance with regulations.

#### **Risk Assessment - Turns**

|    | Risk Type  | Risk Level | Coordinates        | Speed Limit |
|----|------------|------------|--------------------|-------------|
| 0  | Roundabout | High       | 11.49613, 77.23785 | 15 KM/Hr    |
| 1  | Turn       | High       | 11.43961, 77.87341 | 15 KM/Hr    |
| 2  | Turn       | High       | 11.44029, 77.87544 | 15 KM/Hr    |
| 3  | Turn       | High       | 11.44893, 77.87413 | 15 KM/Hr    |
| 4  | Turn       | Medium     | 11.45127, 77.86734 | 30 KM/Hr    |
| 5  | Turn       | High       | 11.45350, 77.85700 | 15 KM/Hr    |
| 6  | Turn       | Medium     | 11.45845, 77.85141 | 30 KM/Hr    |
| 7  | Turn       | Medium     | 11.45889, 77.85136 | 30 KM/Hr    |
| 8  | Turn       | High       | 11.46303, 77.84945 | 15 KM/Hr    |
| 9  | Turn       | Medium     | 11.46317, 77.84906 | 30 KM/Hr    |
| 10 | Turn       | Medium     | 11.43175, 77.67757 | 30 KM/Hr    |
| 11 | Turn       | High       | 11.43000, 77.67564 | 15 KM/Hr    |
| 12 | Turn       | Medium     | 11.43009, 77.67540 | 30 KM/Hr    |
| 13 | Turn       | High       | 11.43026, 77.67525 | 15 KM/Hr    |
| 14 | Blind Spot | Blind Spot | 11.43073, 77.67536 | 10 KM/Hr    |
| 15 | Turn       | Medium     | 11.43346, 77.66700 | 30 KM/Hr    |
| 16 | Turn       | Medium     | 11.43169, 77.66364 | 30 KM/Hr    |
| 17 | Turn       | Medium     | 11.43223, 77.65334 | 30 KM/Hr    |
| 18 | Turn       | Medium     | 11.42707, 77.56407 | 30 KM/Hr    |
| 19 | Turn       | High       | 11.42337, 77.55804 | 15 KM/Hr    |
| 20 | Turn       | High       | 11.45744, 77.36602 | 15 KM/Hr    |
| 21 | Turn       | Medium     | 11.45764, 77.36319 | 30 KM/Hr    |
| 22 | Turn       | Medium     | 11.45648, 77.35763 | 30 KM/Hr    |
| 23 | Turn       | Medium     | 11.45335, 77.29409 | 30 KM/Hr    |
| 24 | Turn       | Medium     | 11.45037, 77.28935 | 30 KM/Hr    |
| 25 | Turn       | Medium     | 11.45522, 77.25438 | 30 KM/Hr    |

|    | Risk Type  | Risk Level | Coordinates        | Speed Limit |
|----|------------|------------|--------------------|-------------|
| 26 | Turn       | High       | 11.49248, 77.24430 | 15 KM/Hr    |
| 27 | Turn       | High       | 11.49249, 77.24406 | 15 KM/Hr    |
| 28 | Turn       | High       | 11.49262, 77.24404 | 15 KM/Hr    |
| 29 | Turn       | Medium     | 11.49264, 77.24401 | 30 KM/Hr    |
| 30 | Turn       | High       | 11.49277, 77.24284 | 15 KM/Hr    |
| 31 | Turn       | High       | 11.49306, 77.24285 | 15 KM/Hr    |
| 32 | Turn       | High       | 11.49333, 77.24027 | 15 KM/Hr    |
| 33 | Turn       | High       | 11.49665, 77.23976 | 15 KM/Hr    |
| 34 | Blind Spot | Blind Spot | 11.49959, 77.24512 | 10 KM/Hr    |
| 35 | Turn       | High       | 11.49943, 77.24510 | 15 KM/Hr    |
| 36 | Turn       | Medium     | 11.47831, 77.17940 | 30 KM/Hr    |
| 37 | Blind Spot | Blind Spot | 11.47059, 77.16979 | 10 KM/Hr    |
| 38 | Turn       | High       | 11.47430, 77.16928 | 15 KM/Hr    |
| 39 | Turn       | High       | 11.47441, 77.15876 | 15 KM/Hr    |

## **Emergency Locations**

|    | type     | name  | coordinates               | speed_limit | risk_level |
|----|----------|---|---------------------------|-------------|------------|
| 3  | hospital | Dhanvantri Multi Speciality Hospital              | 11.451362,<br>77.766602   | 30 km/h     | Medium     |
| 4  | hospital | Dhanvanthri Hospital                              | 11.4496712,<br>77.7593772 | 30 km/h     | Medium     |
| 5  | hospital | J.K.K. Trust Hospital                             | 11.4445841,<br>77.7307962 | 30 km/h     | Medium     |
| 6  | hospital | Shri Sathyanarayana Hospital                      | 11.4291297,<br>77.6913408 | 30 km/h     | Medium     |
| 8  | hospital | Thanish Siddha Hospital                           | 11.430003,<br>77.674964   | 30 km/h     | Medium     |
| 9  | hospital | Sri Kaalangi Siddhar Mooligai Vaithiya<br>Nilayam | 11.432369,<br>77.674894   | 30 km/h     | Medium     |
| 10 | clinic   | G.K Clinic  | 11.4297244,<br>77.6749715 | 30 km/h     | Medium     |
| 11 | clinic   | Harshitha Clinic                                  | 11.4313207,<br>77.674718  | 30 km/h     | Medium     |
| 12 | hospital | PST Mahaa Hospital                                | 11.4312903,<br>77.6585751 | 30 km/h     | Medium     |

|    | type     | name  | coordinates               | speed_limit | risk_level |
|----|----------|---|---------------------------|-------------|------------|
| 13 | hospital | Dharun Hospital                                   | 11.4223638,<br>77.5597735 | 30 km/h     | Medium     |
| 14 | hospital | Dr. Ramaswamy Hospital                            | 11.4249065,<br>77.5535658 | 30 km/h     | Medium     |
| 15 | hospital | Dakshin Trauma Centre                             | 11.454593,<br>77.4461819  | 30 km/h     | Medium     |
| 16 | hospital | Dakshin Hospital                                  | 11.4546301,<br>77.445905  | 30 km/h     | Medium     |
| 17 | hospital | Sri Varahi Herbal Research Centre and<br>Hospital | 11.4539333,<br>77.4427438 | 30 km/h     | Medium     |
| 18 | clinic   | Germen Homeopathy Clinic                          | 11.4536305,<br>77.4394692 | 30 km/h     | Medium     |
| 19 | hospital | KKS Hospital                                      | 11.4551792,<br>77.4392927 | 30 km/h     | Medium     |
| 20 | hospital | Siranjeeve Hospitals                              | 11.453132,<br>77.4344382  | 30 km/h     | Medium     |
| 21 | clinic   | Anandhan Clinic                                   | 11.4548037,<br>77.4349074 | 30 km/h     | Medium     |
| 22 | hospital | Ramachandran Hospital                             | 11.452242,<br>77.434641   | 30 km/h     | Medium     |
| 23 | hospital | Kumaran Hospital                                  | 11.4533971,<br>77.4349621 | 30 km/h     | Medium     |
| 24 | hospital | Dr. Rathinasamy Hospital                          | 11.457562,<br>77.4327752  | 30 km/h     | Medium     |
| 25 | hospital | Gobi Neuro Mind Care                              | 11.4548344,<br>77.434649  | 30 km/h     | Medium     |
| 26 | hospital | Hariharan Hospital                                | 11.4523578,<br>77.4299287 | 30 km/h     | Medium     |
| 27 | hospital | Vasanth Hospital                                  | 11.4526864,<br>77.4292173 | 30 km/h     | Medium     |
| 28 | hospital | KKRS Hospital                                     | 11.45417, 77.430584       | 30 km/h     | Medium     |
| 29 | clinic   | Jeeva Nursing Home                                | 11.4533031,<br>77.4294145 | 30 km/h     | Medium     |
| 30 | hospital | Sathya Hospital                                   | 11.4561856,<br>77.4298694 | 30 km/h     | Medium     |
| 31 | hospital | S K Hospital                                      | 11.4540106,<br>77.430108  | 30 km/h     | Medium     |
| 32 | hospital | Sivakami Hospital                                 | 11.4531846,<br>77.4299288 | 30 km/h     | Medium     |
| 33 | clinic   | Sri Sudha Physiotherapy Clinic                    | 11.4559915,<br>77.4300217 | 30 km/h     | Medium     |

|    | type     | name                          | coordinates               | speed_limit | risk_level |
|----|----------|-------------------------------|---------------------------|-------------|------------|
| 34 | hospital | Arun Hospital                 | 11.4538121,<br>77.4305743 | 30 km/h     | Medium     |
| 35 | clinic   | Sairam Clinic                 | 11.4560122,<br>77.4306716 | 30 km/h     | Medium     |
| 36 | hospital | Best Hospital                 | 11.4543558,<br>77.4263617 | 30 km/h     | Medium     |
| 37 | clinic   | Anand Nursing Home            | 11.4553169,<br>77.4296248 | 30 km/h     | Medium     |
| 38 | clinic   | Kanmani Child Care Clinic     | 11.4545273,<br>77.428668  | 30 km/h     | Medium     |
| 39 | hospital | Rajasekaran Hospital          | 11.454463, 77.4262        | 30 km/h     | Medium     |
| 40 | hospital | Samuel Hospital               | 11.4542555,<br>77.4271194 | 30 km/h     | Medium     |
| 41 | hospital | Sivasakthi Hospital           | 11.4544711,<br>77.4297229 | 30 km/h     | Medium     |
| 42 | clinic   | NMS Cardio Care Clinic        | 11.4550147,<br>77.430786  | 30 km/h     | Medium     |
| 43 | hospital | SS Children's Hospital        | 11.4555386,<br>77.4296357 | 30 km/h     | Medium     |
| 44 | hospital | Poorani Ravichandran Hospital | 11.4550863,<br>77.4307802 | 30 km/h     | Medium     |
| 45 | hospital | Kavitha Children's Hospital   | 11.4565402,<br>77.4310815 | 30 km/h     | Medium     |
| 46 | hospital | SP Dhanapal Hospital          | 11.4559935,<br>77.4304406 | 30 km/h     | Medium     |
| 47 | clinic   | Gobi Siddha Health Centre     | 11.455616,<br>77.4307062  | 30 km/h     | Medium     |
| 48 | clinic   | Sri Dhanvantari Siddha Clinic | 11.4561216,<br>77.4295797 | 30 km/h     | Medium     |
| 49 | hospital | Neha Hospital                 | 11.4560138,<br>77.4270219 | 30 km/h     | Medium     |
| 50 | hospital | M.S Children's Hospital       | 11.4556012,<br>77.4301006 | 30 km/h     | Medium     |
| 51 | hospital | Gobi Diabetic Hospital        | 11.455394,<br>77.4301181  | 30 km/h     | Medium     |
| 52 | clinic   | Dr. Ramesh Babu Clinic        | 11.4560871,<br>77.4296353 | 30 km/h     | Medium     |
| 53 | hospital | Sankareswari Eye Hospital     | 11.4572997,<br>77.428765  | 30 km/h     | Medium     |
| 54 | hospital | Dr. Moorthy Hospital          | 11.4546045,<br>77.4308533 | 30 km/h     | Medium     |

|    | type     | name  | coordinates               | speed_limit | risk_level |
|----|----------|---|---------------------------|-------------|------------|
| 55 | hospital | SP Hospital                                   | 11.456607,<br>77.430302   | 30 km/h     | Medium     |
| 58 | hospital | Government Hospital                           | 11.4565126,<br>77.4288768 | 30 km/h     | Medium     |
| 59 | pharmacy | Abirami Medicals                              | 11.4550894,<br>77.4309286 | 30 km/h     | Medium     |
| 60 | hospital | Sri Chakra Hospital                           | 11.4544464,<br>77.4228363 | 30 km/h     | Medium     |
| 61 | hospital | U M Hospital                                  | 11.4544151,<br>77.4240386 | 30 km/h     | Medium     |
| 62 | hospital | Dr. Gopal Hospital                            | 11.455258,<br>77.422901   | 30 km/h     | Medium     |
| 63 | hospital | Arun Hospital                                 | 11.4548852,<br>77.4250314 | 30 km/h     | Medium     |
| 64 | clinic   | VG Ortho Centre                               | 11.4550504,<br>77.4225102 | 30 km/h     | Medium     |
| 65 | clinic   | Palaniappa Clinic                             | 11.4555925,<br>77.4202828 | 30 km/h     | Medium     |
| 66 | hospital | Abi SK Hospital                               | 11.457163,<br>77.412487   | 30 km/h     | Medium     |
| 67 | clinic   | Nalam Vazh S.K Siddha and Varma<br>Clinic     | 11.457576,<br>77.412164   | 30 km/h     | Medium     |
| 69 | clinic   | Singiripalayam Natarajan Siddha<br>Ortho Care | 11.4603252,<br>77.3183801 | 30 km/h     | Medium     |
| 71 | hospital | Pee Vee Hospital                              | 11.4960866,<br>77.2437224 | 30 km/h     | Medium     |
| 72 | hospital | Sakthi Hospital                               | 11.498927,<br>77.2433702  | 30 km/h     | Medium     |
| 73 | hospital | Anush Hospital                                | 11.500453,<br>77.2449535  | 30 km/h     | Medium     |

### **Crowded Spots**

|   | type    | name                             | coordinates               | speed_limit | risk_level |
|---|---------|----------------------------------|---------------------------|-------------|------------|
| 0 | school  | KRP Matric. Hr. Sec School       | 11.4546193,<br>77.8142445 | 30 km/h     | Medium     |
| 1 | college | Vivekanandha Engineering College | 11.4589312,<br>77.7899284 | 30 km/h     | Medium     |

|    | type        | name   | coordinates               | speed_limit | risk_level |
|----|-------------|--|---------------------------|-------------|------------|
| 2  | marketplace | Monday market                                | 11.452863,<br>77.775989   | 30 km/h     | Medium     |
| 7  | school      | SSM Matriculation Higher Secondary<br>School | 11.4321653,<br>77.6880046 | 30 km/h     | Medium     |
| 56 | school      | Diamond Jubliee Higher Secondary<br>School   | 11.4529541,<br>77.4280306 | 30 km/h     | Medium     |
| 57 | school      | CKK Palaniammal School                       | 11.4569211,<br>77.4276828 | 30 km/h     | Medium     |
| 68 | school      | Saratha Techno School                        | 11.4544819,<br>77.379986  | 30 km/h     | Medium     |
| 70 | school      | Saratha International School                 | 11.4541471,<br>77.3032962 | 30 km/h     | Medium     |

## **Route Photos of Risky Spots**



Risk Type: Roundabout
Risk Level: High
Speed Limit: 15 KM/Hr

**Coordinates:** 11.49613, 77.23785



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr

**Coordinates:** 11.44029, 77.87544



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.44893, 77.87413



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45127, 77.86734



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.45350, 77.85700

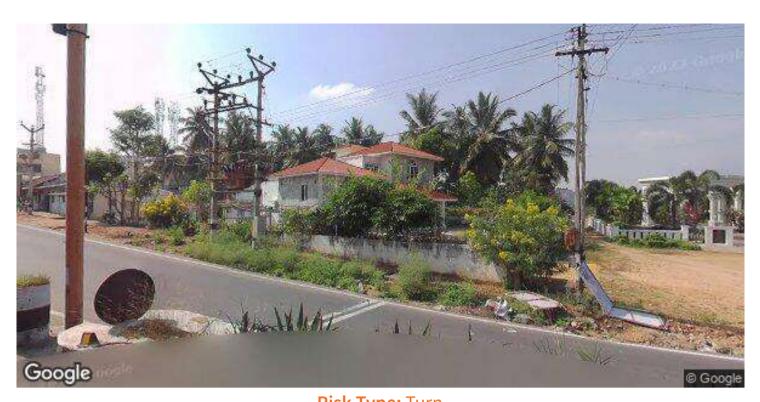


Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45845, 77.85141

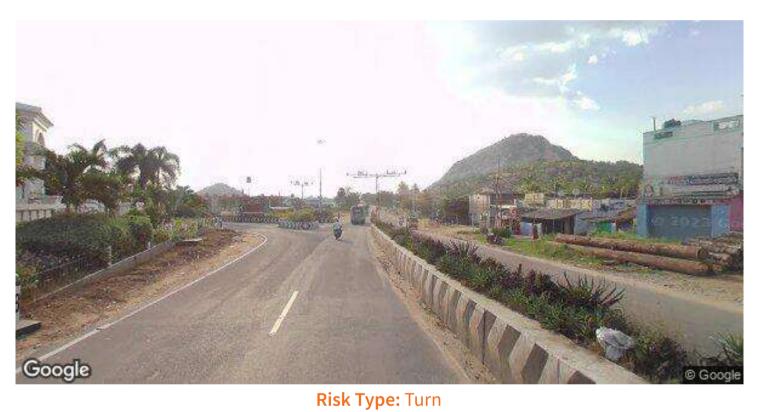


Risk Type: Turn
Risk Level: Medium

Speed Limit: 30 KM/Hr Coordinates: 11.45889, 77.85136



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.46303, 77.84945



Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.46317, 77.84906



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.43175, 77.67757



Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.43000, 77.67564



Risk Type: Turn
Risk Level: Medium

Speed Limit: 30 KM/Hr Coordinates: 11.43009, 77.67540



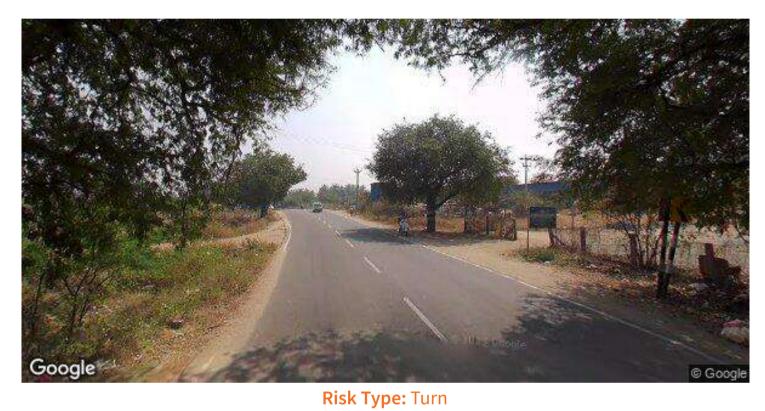
Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.43026, 77.67525



Risk Type: Blind Spot
Risk Level: Blind Spot
Speed Limit: 10 KM/Hr
Coordinates: 11.43073, 77.67536



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.43346, 77.66700



Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.43169, 77.66364



Risk Type: Turn
Risk Level: Medium

Speed Limit: 30 KM/Hr Coordinates: 11.43223, 77.65334



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.42707, 77.56407



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.42337, 77.55804



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.45744, 77.36602



Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45764, 77.36319



Risk Type: Turn
Risk Level: Medium

Speed Limit: 30 KM/Hr Coordinates: 11.45648, 77.35763



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45335, 77.29409



Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45037, 77.28935



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.45522, 77.25438



Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.49248, 77.24430



Risk Type: Turn Risk Level: High Speed Limit: 15 KM/Hr Coordinates: 11.49249, 77.24406



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.49262, 77.24404



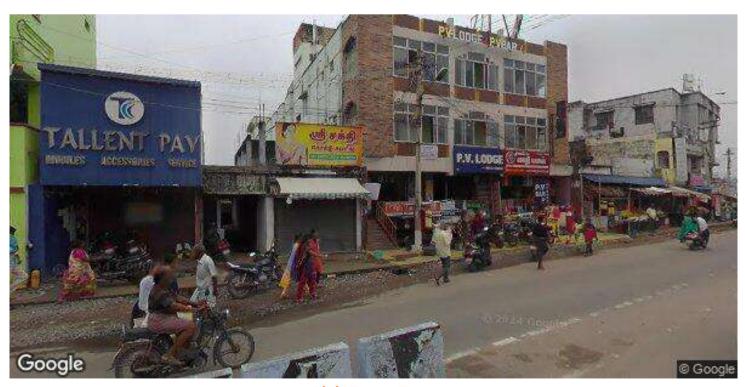
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.49264, 77.24401



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.49665, 77.23976



Risk Level: Blind Spot
Speed Limit: 10 KM/Hr
Coordinates: 11.49959, 77.24512



Risk Type: Turn Risk Level: High

Speed Limit: 15 KM/Hr Coordinates: 11.49943, 77.24510



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.47831, 77.17940



Risk Type: Blind Spot
Risk Level: Blind Spot
Speed Limit: 10 KM/Hr
Coordinates: 11.47059, 77.16979



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr

**Coordinates:** 11.47430, 77.16928



Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.47441, 77.15876