



# IndianOil

## JOURNEY RISK MANAGEMENT (JRM) STUDY

### Salem Terminal TO NANDA FUELS

#### 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.

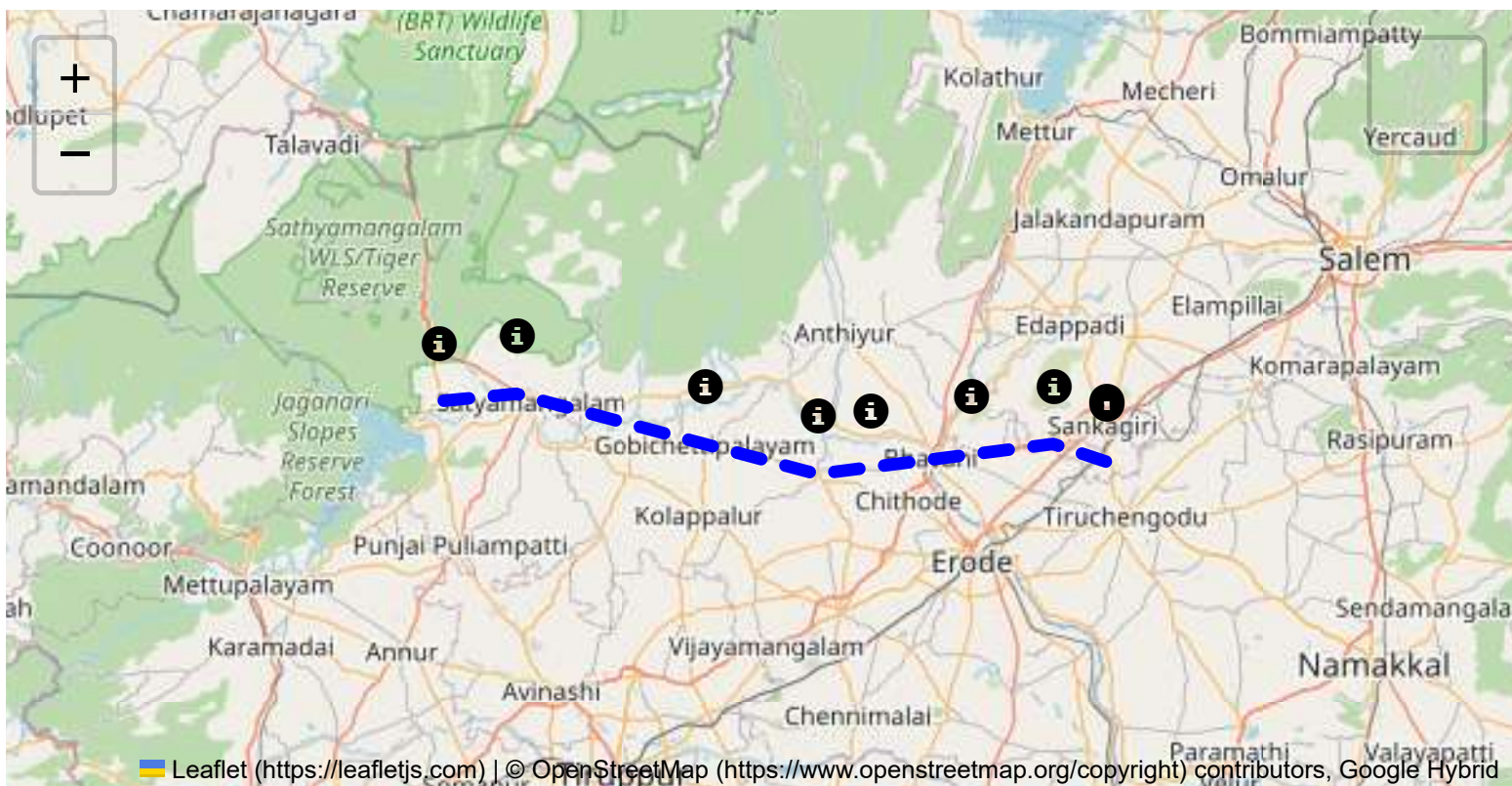
## **Journey Risk Mitigation**

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.

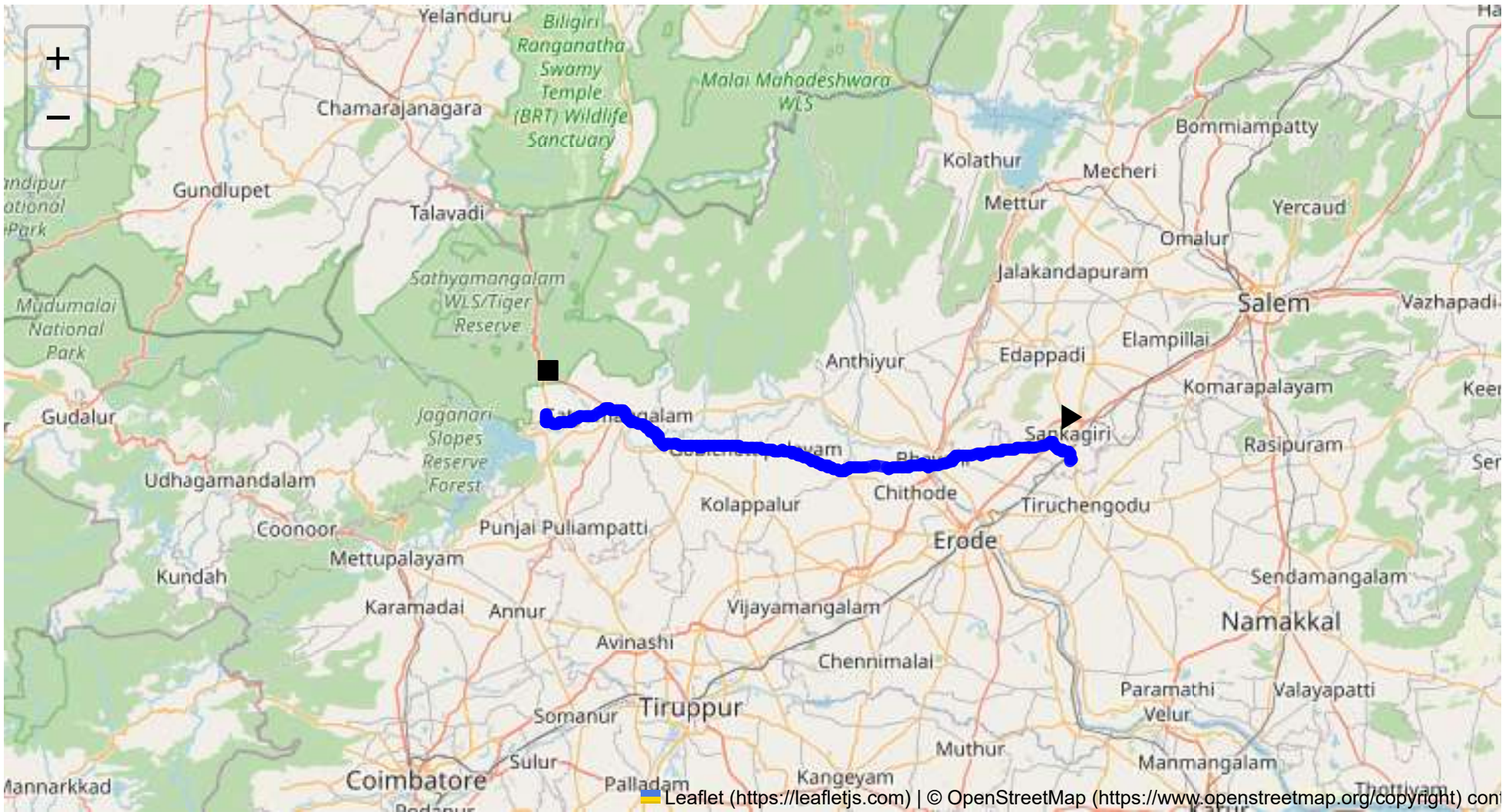
## **Compliance with Government Directives**

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: 89.27 km**  
**Estimated Duration: 2.0 hours**  
**Adjusted Duration (Heavy Vehicle): 2.5 hours**  
**Start: (11.4381, 77.8734)**  
**End: (11.5008, 77.1425)**



## Risk Spots

|   | RiskSpotType | Coordinates        | Speed Limit | Distance from Start |
|---|--------------|--------------------|-------------|---------------------|
| 0 | Turn         | 11.43961, 77.87341 | 15 KM/Hr    | 0.08 km             |
| 1 | Turn         | 11.44029, 77.87544 | 15 KM/Hr    | 0.28 km             |
| 2 | Turn         | 11.44893, 77.87413 | 15 KM/Hr    | 1.29 km             |



|    | RiskSpotType | Coordinates        | Speed Limit | Distance from Start |
|----|--------------|--------------------|-------------|---------------------|
| 3  | Turn         | 11.45127, 77.86734 | 15 KM/Hr    | 2.15 km             |
| 4  | Turn         | 11.45350, 77.85700 | 15 KM/Hr    | 3.29 km             |
| 5  | Turn         | 11.45845, 77.85141 | 15 KM/Hr    | 4.11 km             |
| 6  | Turn         | 11.46303, 77.84945 | 15 KM/Hr    | 4.65 km             |
| 7  | Turn         | 11.45542, 77.81725 | 15 KM/Hr    | 8.36 km             |
| 8  | Blind Spot   | 11.45634, 77.81673 | 10 KM/Hr    | 8.50 km             |
| 9  | Turn         | 11.43192, 77.67803 | 15 KM/Hr    | 24.41 km            |
| 10 | Turn         | 11.43000, 77.67564 | 15 KM/Hr    | 24.82 km            |
| 11 | Turn         | 11.43334, 77.66667 | 15 KM/Hr    | 25.92 km            |
| 12 | Turn         | 11.43222, 77.65346 | 15 KM/Hr    | 27.35 km            |
| 13 | Turn         | 11.42778, 77.64606 | 15 KM/Hr    | 28.36 km            |
| 14 | Turn         | 11.42902, 77.57113 | 15 KM/Hr    | 36.58 km            |
| 15 | Turn         | 11.42837, 77.56935 | 15 KM/Hr    | 36.80 km            |
| 16 | Turn         | 11.42871, 77.56708 | 15 KM/Hr    | 37.03 km            |
| 17 | Turn         | 11.42728, 77.56439 | 15 KM/Hr    | 37.42 km            |
| 18 | Turn         | 11.42693, 77.56227 | 15 KM/Hr    | 37.68 km            |
| 19 | Turn         | 11.42329, 77.55798 | 15 KM/Hr    | 38.35 km            |
| 20 | Turn         | 11.45748, 77.36608 | 15 KM/Hr    | 59.69 km            |
| 21 | Turn         | 11.45763, 77.36309 | 15 KM/Hr    | 60.21 km            |
| 22 | Turn         | 11.45750, 77.35617 | 15 KM/Hr    | 61.11 km            |
| 23 | Turn         | 11.45959, 77.30751 | 15 KM/Hr    | 66.43 km            |
| 24 | Turn         | 11.46855, 77.30035 | 15 KM/Hr    | 67.71 km            |
| 25 | Turn         | 11.47154, 77.29802 | 15 KM/Hr    | 68.15 km            |
| 26 | Turn         | 11.47289, 77.29866 | 15 KM/Hr    | 68.36 km            |
| 27 | Turn         | 11.47522, 77.29448 | 15 KM/Hr    | 68.93 km            |
| 28 | Turn         | 11.47625, 77.29425 | 15 KM/Hr    | 69.06 km            |
| 29 | Turn         | 11.47740, 77.28980 | 15 KM/Hr    | 69.48 km            |
| 30 | Turn         | 11.48260, 77.28591 | 15 KM/Hr    | 70.15 km            |
| 31 | Turn         | 11.49549, 77.25646 | 15 KM/Hr    | 73.71 km            |
| 32 | Turn         | 11.50748, 77.25020 | 15 KM/Hr    | 75.31 km            |
| 33 | Turn         | 11.50934, 77.22979 | 15 KM/Hr    | 77.58 km            |
| 34 | Turn         | 11.50957, 77.22736 | 15 KM/Hr    | 77.87 km            |
| 35 | Turn         | 11.49832, 77.19782 | 15 KM/Hr    | 81.27 km            |
| 36 | Turn         | 11.49983, 77.19093 | 15 KM/Hr    | 82.15 km            |

|    | RiskSpotType | Coordinates        | Speed Limit | Distance from Start |
|----|--------------|--------------------|-------------|---------------------|
| 37 | Turn         | 11.49600, 77.18810 | 15 KM/Hr    | 82.58 km            |
| 38 | Turn         | 11.49256, 77.17885 | 15 KM/Hr    | 83.65 km            |
| 39 | Turn         | 11.49127, 77.17739 | 15 KM/Hr    | 84.01 km            |
| 40 | Turn         | 11.49181, 77.17517 | 15 KM/Hr    | 84.19 km            |
| 41 | Turn         | 11.49045, 77.14450 | 15 KM/Hr    | 87.56 km            |
| 42 | Turn         | 11.49397, 77.14452 | 15 KM/Hr    | 88.03 km            |
| 43 | Turn         | 11.49732, 77.14431 | 15 KM/Hr    | 88.38 km            |
| 44 | Turn         | 11.49765, 77.14315 | 15 KM/Hr    | 88.54 km            |

### Emergency Services

|    | type     | name   | coordinates            | side_of_road  |
|----|----------|--|------------------------|---------------|
| 2  | hospital | Dhanvantri Multi Speciality Hospital           | 11.451362, 77.766602   | Opposite Side |
| 3  | hospital | Dhanvanthri Hospital                           | 11.4496712, 77.7593772 | Opposite Side |
| 4  | hospital | J.K.K. Trust Hospital                          | 11.4445841, 77.7307962 | Driver's Side |
| 5  | hospital | Shri Sathyanarayana Hospital                   | 11.4291297, 77.6913408 | Driver's Side |
| 8  | hospital | Thanish Siddha Hospital                        | 11.430003, 77.674964   | Driver's Side |
| 9  | clinic   | Harshitha Clinic                               | 11.4313207, 77.674718  | Opposite Side |
| 10 | hospital | Sri Kaalangi Siddhar Mooligai Vaithiya Nilayam | 11.432369, 77.674894   | Opposite Side |
| 11 | clinic   | G.K Clinic                                     | 11.4297244, 77.6749715 | Driver's Side |
| 12 | hospital | PST Mahaa Hospital                             | 11.4312903, 77.6585751 | Driver's Side |
| 13 | hospital | Dharun Hospital                                | 11.4223638, 77.5597735 | Driver's Side |
| 14 | hospital | Dr. Ramaswamy Hospital                         | 11.4249065, 77.5535658 | Opposite Side |
| 15 | hospital | Dakshin Trauma Centre                          | 11.454593, 77.4461819  | Opposite Side |
| 16 | hospital | Dakshin Hospital                               | 11.4546301, 77.445905  | Opposite Side |

|    | type     | name   | coordinates               | side_of_road  |
|----|----------|--|---------------------------|---------------|
| 17 | hospital | Sri Varahi Herbal Research Centre and Hospital | 11.4539333,<br>77.4427438 | Driver's Side |
| 18 | clinic   | Anandhan Clinic                                | 11.4548037,<br>77.4349074 | Driver's Side |
| 19 | hospital | Kumaran Hospital                               | 11.4533971,<br>77.4349621 | Driver's Side |
| 20 | clinic   | Germen Homeopathy Clinic                       | 11.4536305,<br>77.4394692 | Driver's Side |
| 21 | hospital | JP Hospital                                    | 11.454765, 77.438257      | Driver's Side |
| 22 | hospital | KKS Hospital                                   | 11.4551792,<br>77.4392927 | Opposite Side |
| 23 | hospital | Hariharan Hospital                             | 11.4523578,<br>77.4299287 | Driver's Side |
| 24 | hospital | Vasanth Hospital                               | 11.4526864,<br>77.4292173 | Driver's Side |
| 25 | hospital | KKRS Hospital                                  | 11.45417, 77.430584       | Driver's Side |
| 26 | clinic   | Jeeva Nursing Home                             | 11.4533031,<br>77.4294145 | Driver's Side |
| 27 | hospital | Sathya Hospital                                | 11.4561856,<br>77.4298694 | Opposite Side |
| 28 | hospital | S K Hospital                                   | 11.4540106, 77.430108     | Driver's Side |
| 29 | hospital | Sivakami Hospital                              | 11.4531846,<br>77.4299288 | Driver's Side |
| 30 | clinic   | Sri Sudha Physiotherapy Clinic                 | 11.4559915,<br>77.4300217 | Opposite Side |
| 31 | hospital | Arun Hospital                                  | 11.4538121,<br>77.4305743 | Driver's Side |
| 32 | clinic   | Sairam Clinic                                  | 11.4560122,<br>77.4306716 | Opposite Side |
| 33 | clinic   | Anand Nursing Home                             | 11.4553169,<br>77.4296248 | Opposite Side |
| 34 | clinic   | Kanmani Child Care Clinic                      | 11.4545273, 77.428668     | Driver's Side |
| 35 | hospital | Sivasakthi Hospital                            | 11.4544711,<br>77.4297229 | Driver's Side |
| 36 | clinic   | NMS Cardio Care Clinic                         | 11.4550147, 77.430786     | Opposite Side |
| 37 | hospital | SS Children's Hospital                         | 11.4555386,<br>77.4296357 | Opposite Side |

|    | type     | name                          | coordinates               | side_of_road     |
|----|----------|-------------------------------|---------------------------|------------------|
| 38 | hospital | Poorani Ravichandran Hospital | 11.4550863,<br>77.4307802 | Opposite<br>Side |
| 39 | hospital | Kavitha Children's Hospital   | 11.4565402,<br>77.4310815 | Opposite<br>Side |
| 40 | hospital | SP Dhanapal Hospital          | 11.4559935,<br>77.4304406 | Opposite<br>Side |
| 41 | clinic   | Gobi Siddha Health Centre     | 11.455616, 77.4307062     | Opposite<br>Side |
| 42 | clinic   | Sri Dhanvantari Siddha Clinic | 11.4561216,<br>77.4295797 | Opposite<br>Side |
| 43 | hospital | M.S Children's Hospital       | 11.4556012,<br>77.4301006 | Opposite<br>Side |
| 44 | hospital | Gobi Diabetic Hospital        | 11.455394, 77.4301181     | Opposite<br>Side |
| 45 | clinic   | Dr. Ramesh Babu Clinic        | 11.4560871,<br>77.4296353 | Opposite<br>Side |
| 46 | hospital | Sankareswari Eye Hospital     | 11.4572997, 77.428765     | Opposite<br>Side |
| 47 | hospital | Dr. Moorthy Hospital          | 11.4546045,<br>77.4308533 | Driver's Side    |
| 48 | hospital | SP Hospital                   | 11.456607, 77.430302      | Opposite<br>Side |
| 49 | hospital | Government Hospital           | 11.4565126,<br>77.4288768 | Opposite<br>Side |
| 50 | pharmacy | Abirami Medicals              | 11.4550894,<br>77.4309286 | Opposite<br>Side |
| 51 | hospital | Best Hospital                 | 11.4543558,<br>77.4263617 | Driver's Side    |
| 52 | hospital | Rajasekaran Hospital          | 11.454463, 77.4262        | Driver's Side    |
| 53 | hospital | Samuel Hospital               | 11.4542555,<br>77.4271194 | Driver's Side    |
| 54 | hospital | Neha Hospital                 | 11.4560138,<br>77.4270219 | Opposite<br>Side |
| 55 | hospital | Arun Hospital                 | 11.4548852,<br>77.4250314 | Opposite<br>Side |
| 56 | hospital | Sri Chakra Hospital           | 11.4544464,<br>77.4228363 | Driver's Side    |
| 57 | hospital | U M Hospital                  | 11.4544151,<br>77.4240386 | Driver's Side    |

|    | type     | name                                       | coordinates            | side_of_road  |
|----|----------|--|------------------------|---------------|
| 58 | hospital | Dr. Gopal Hospital                         | 11.455258, 77.422901   | Opposite Side |
| 59 | clinic   | VG Ortho Centre                            | 11.4550504, 77.4225102 | Opposite Side |
| 60 | clinic   | Palaniappa Clinic                          | 11.4555925, 77.4202828 | Opposite Side |
| 61 | hospital | Abi SK Hospital                            | 11.457163, 77.412487   | Driver's Side |
| 62 | clinic   | Nalam Vazh S.K Siddha and Varma Clinic     | 11.457576, 77.412164   | Opposite Side |
| 63 | clinic   | Singiripalayam Natarajan Siddha Ortho Care | 11.4603252, 77.3183801 | Opposite Side |
| 64 | hospital | Assisi Hospital                            | 11.4636431, 77.30493   | Opposite Side |
| 65 | hospital | Sathyamangalam Government Hospital         | 11.5016489, 77.2582814 | Opposite Side |
| 66 | hospital | Vijaya Hospital                            | 11.5051709, 77.2480971 | Driver's Side |
| 67 | hospital | Amudha Poly Clinic & Hospital              | 11.5053476, 77.2466406 | Driver's Side |
| 68 | hospital | Emmanuvel Hospital                         | 11.5063418, 77.2470483 | Driver's Side |
| 69 | hospital | Udhayam Hospital                           | 11.5064193, 77.2467814 | Driver's Side |
| 70 | clinic   | KGR Surgical Nursing Home                  | 11.5050605, 77.2453693 | Driver's Side |

### Rest Stops

|    | type       | name                 | coordinates            | side_of_road  |
|----|------------|----------------------|------------------------|---------------|
| 0  | fuel       | SLOA Bunk - Unit II  | 11.4543854, 77.8052665 | Driver's Side |
| 1  | restaurant | Canteen              | 11.4478386, 77.7705441 | Driver's Side |
| 6  | fuel       | Reliance             | 11.4325168, 77.6912865 | Opposite Side |
| 7  | fuel       | Indian Oil           | 11.4321177, 77.6765153 | Opposite Side |
| 71 | restaurant | SBS chicken biriyani | 11.5071557, 77.2333442 | Driver's Side |



# Welcome to the Journey Risk Management Study

## 1. Overview of the Route Map

The route from Sangagiri to Bhavanisagar via the specified waypoints spans approximately 89.27 kilometers. The journey begins at Sangagiri, passes through several towns, and ends at Bhavanisagar. The primary roads involved include NH 944 and NH 948, which are part of India's national highway network. The route weaves through rural and semi-urban areas, characterized by a mix of agricultural landscapes and urbanized zones.

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

Tamil Nadu generally experiences a tropical climate. Key weather conditions include:

- **Summer (March to June):** High temperatures, potential for heat stress.
- **Monsoon (July to September):** Heavy rain, possible flooding, reduced visibility.
- **Winter (October to February):** Moderate conditions, but occasional fog, particularly in the mornings.

Weather-related hazards include slippery roads during the monsoon, which may lead to hydroplaning, and poor visibility due to fog in winter.

## 3. Analysis of Traffic Patterns

- **Peak Hours:** Generally, peak traffic is experienced in the morning (8:00 AM to 10:00 AM) and evening (5:00 PM to 8:00 PM), coinciding with local office and school timings.
- **Congestion-Prone Areas:** Urban sections in Gobichettipalayam and Sathyamangalam might experience congestion, particularly near markets and junctions. Traffic near Kavindapadi can also be slow due to narrow roads and local traffic.

## 4. Assessment of Road Quality and Infrastructure

While national highways (NH 944 and NH 948) are well-maintained, some rural sections may experience wear and tear, especially post-monsoon. Road quality can vary, with potential potholes and erosion in less maintained areas, affecting stability and safety, particularly for heavy vehicles.

## 5. Suggestions for Alternative Routes for Emergencies

For detours, consider:

- **NH 544:** Offers a route from Coimbatore to Bhavani, useful if NH 948 is blocked.
- **State Highways:** Smaller highways like SH could serve as alternatives, though road conditions may vary.

## 6. Summary of Local Regulations Affecting Hazardous Material

# Transport

Ensure compliance with Tamil Nadu's transport regulations for hazardous materials which include:

- Transport permits
- Clearly marked vehicles
- Use of designated routes and times, avoiding densely populated areas when feasible.

## 7. Overview of Historical Incidents

While there are no notable large-scale incidents on this specific route, Tamil Nadu sees occasional heavy vehicle accidents, often attributed to overloading or poor road conditions. Regular incidents include vehicle breakdowns and minor collisions, especially during monsoons.

## 8. Environmental Considerations and Sensitive Areas

The route crosses several agricultural zones; care is needed to prevent chemical spills. In Sathyamangalam, near forested areas, environmental protection norms may restrict hazardous transport, especially near wildlife movement corridors.

## 9. Analysis of Communication Coverage

Mobile coverage is generally good along NH 944 and NH 948, though brief dead zones may occur in less populated rural areas. Providers like Jio and Airtel have extensive coverage.

## 10. Estimated Emergency Response Times

- **Urban Sections (e.g., Gobichettipalayam):** 30-45 minutes.
- **Rural Areas (e.g., Kavindapadi):** 45-60 minutes.
- **Remote Sections:** May exceed 1 hour due to distance from emergency services.

## 12. Overall Summary of Risk Assessment

The main risks identified include weather-induced road conditions, traffic congestion in urban areas, variable road quality, and occasional communication dead zones. Predictive planning for adverse weather, thorough vehicle checks, adherence to regulations, and accurate time management are recommended to mitigate risks. Enhanced communication with local authorities and regular updates on road conditions through GPS and local advisories are essential for safe passage along this route.

**Route Photos of Risky Spots**





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 0.28 km**

**Coordinates: 11.44029, 77.87544**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 1.29 km**

**Coordinates: 11.44893, 77.87413**





**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 2.15 km  
**Coordinates:** 11.45127, 77.86734



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 3.29 km  
**Coordinates:** 11.45350, 77.85700



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 4.11 km  
**Coordinates:** 11.45845, 77.85141





**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 4.65 km

**Coordinates:** 11.46303, 77.84945



**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 8.36 km

**Coordinates:** 11.45542, 77.81725





**Risk Type:** Blind Spot  
**Speed Limit:** 10 KM/Hr  
**Distance from Start:** 8.50 km  
**Coordinates:** 11.45634, 77.81673



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 24.41 km  
**Coordinates:** 11.43192, 77.67803



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 24.82 km  
**Coordinates:** 11.43000, 77.67564





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 25.92 km**

**Coordinates: 11.43334, 77.66667**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 27.35 km**

**Coordinates: 11.43222, 77.65346**





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 28.36 km**

**Coordinates: 11.42778, 77.64606**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 36.58 km**

**Coordinates: 11.42902, 77.57113**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 36.80 km**

**Coordinates: 11.42837, 77.56935**





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 37.03 km**

**Coordinates: 11.42871, 77.56708**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 37.42 km**

**Coordinates: 11.42728, 77.56439**





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 37.68 km**

**Coordinates: 11.42693, 77.56227**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 38.35 km**

**Coordinates: 11.42329, 77.55798**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 59.69 km**

**Coordinates: 11.45748, 77.36608**





**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 60.21 km

**Coordinates:** 11.45763, 77.36309



**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 61.11 km

**Coordinates:** 11.45750, 77.35617





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 66.43 km**

**Coordinates: 11.45959, 77.30751**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 67.71 km**

**Coordinates: 11.46855, 77.30035**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 68.15 km**

**Coordinates: 11.47154, 77.29802**





**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 68.36 km

**Coordinates:** 11.47289, 77.29866



**Risk Type:** Turn

**Speed Limit:** 15 KM/Hr

**Distance from Start:** 68.93 km

**Coordinates:** 11.47522, 77.29448





**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 69.06 km  
**Coordinates:** 11.47625, 77.29425



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 69.48 km  
**Coordinates:** 11.47740, 77.28980



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 70.15 km  
**Coordinates:** 11.48260, 77.28591





**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 73.71 km**

**Coordinates: 11.49549, 77.25646**



**Risk Type: Turn**

**Speed Limit: 15 KM/Hr**

**Distance from Start: 75.31 km**

**Coordinates: 11.50748, 77.25020**





**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 77.58 km  
**Coordinates:** 11.50934, 77.22979



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 77.87 km  
**Coordinates:** 11.50957, 77.22736



**Risk Type:** Turn  
**Speed Limit:** 15 KM/Hr  
**Distance from Start:** 81.27 km  
**Coordinates:** 11.49832, 77.19782



[Download Interactive Map](#)