



IndianOil

JOURNEY RISK MANAGEMENT (JRM) STUDY

Salem Terminal to SRI SARAVANA 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

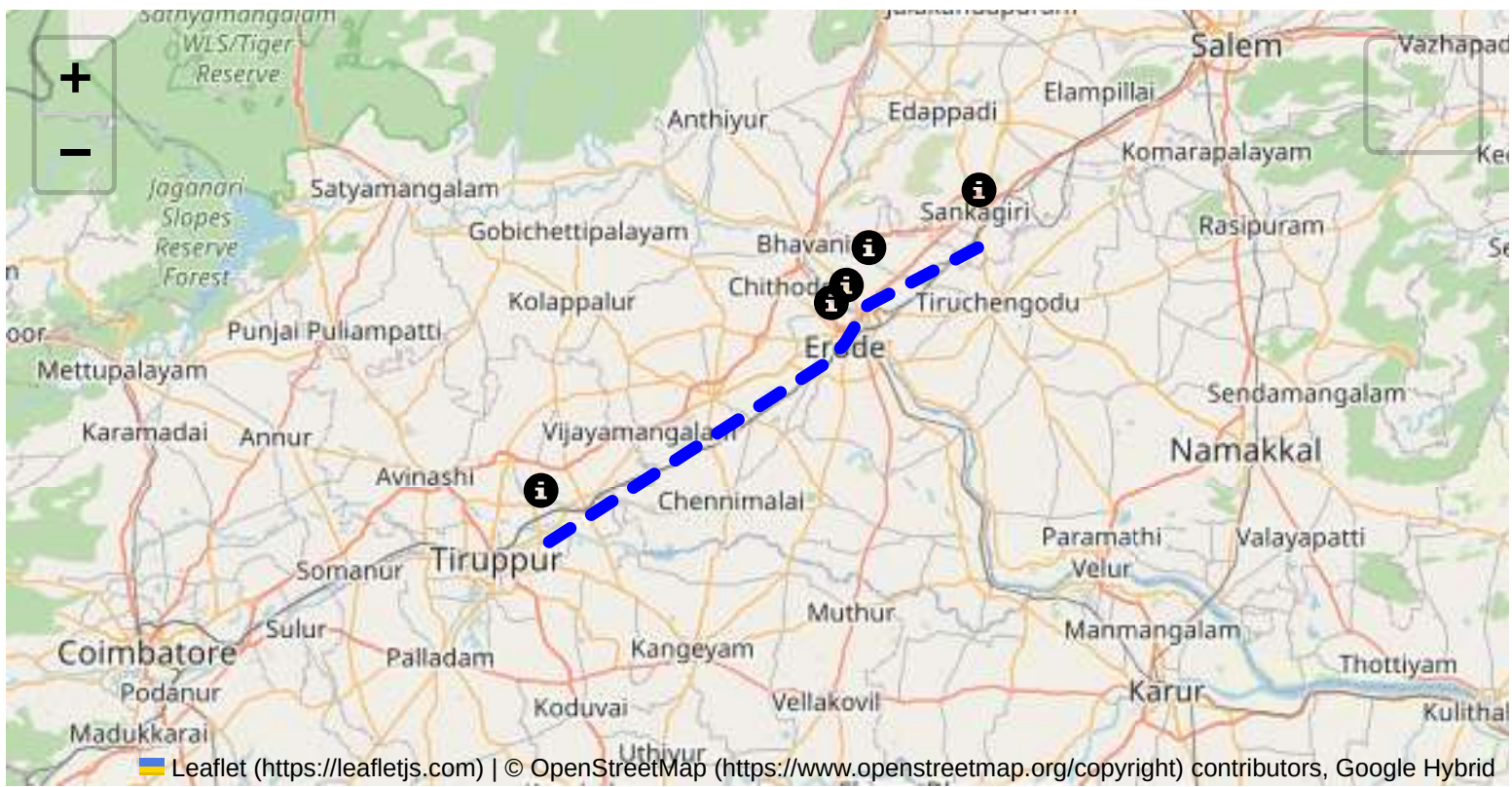
The JRM report addresses environmental risks along the route, ensuring compliance with environmental protection laws in ecologically sensitive zones. It suggests strategies such as identifying areas near water bodies, forests, or populated regions and implementing safety measures to minimize environmental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

Journey Risk Mitigation

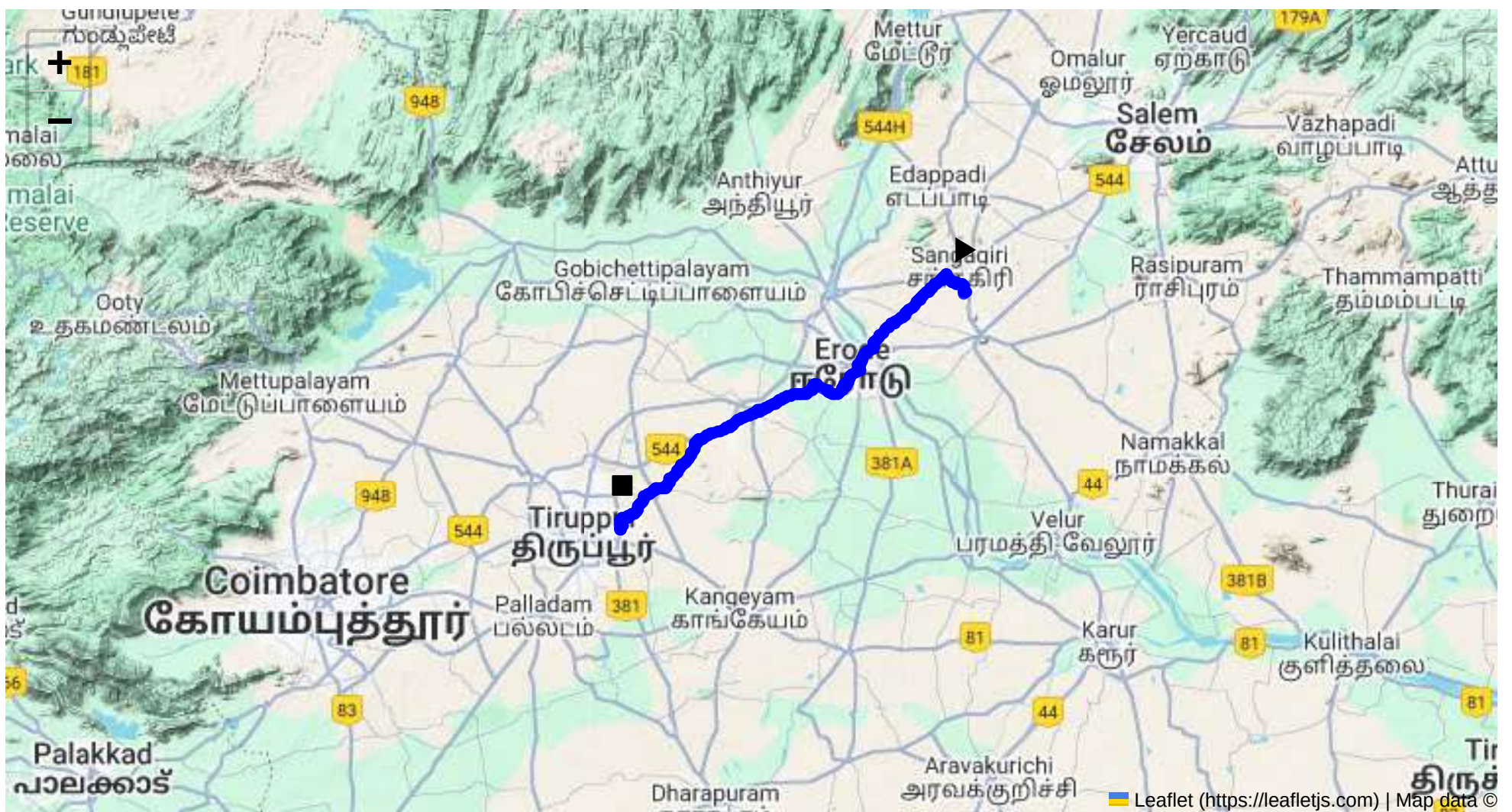
The report includes route-specific risk assessments, detailed journey charts, and defensive driving guidelines for each transport route. Integration with vehicle tracking systems guarantees real-time warnings on hazardous areas, speed limits, and mandatory stops, consistent with RTSP and CMVR safety 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: 77.08 km
Estimated Duration: 1.9 hours
Adjusted Duration (Heavy Vehicle): 2.4 hours
Start: (11.4381, 77.8734)
End: (11.114542, 77.393317)



Welcome to the Journey Risk Management Study

1. Overview of the Route Map

The route from Sangagiri to Kasipalayam Rd, Tiruppur, via VEDIYARASAMPALAYAM, SURAMPATTIVALASU, and KASIPALAYAM comprises approximately 77.08 km. This path traverses through a mix of urban and rural settings, primarily along regional and state highways. The route is predominantly on the NH544H and SH96 highways, providing access through small towns and their outskirts.

2. Typical Weather Conditions and Potential Weather-Related Hazards

Tamil Nadu experiences tropical weather conditions throughout the year. The route may be affected by:

- Monsoon rains from June to September, which can lead to water-logged roads and reduced visibility.
- Summer heat from March to May, potentially causing heatwaves that may impact driver alertness.
- Occasional winter fog from December to January can reduce visibility, especially during early mornings and late nights.

3. Analysis of Traffic Patterns

- **Peak Hours:** Morning (7:30 AM - 9:30 AM) and evening (5:30 PM - 7:30 PM) are peak traffic times.
- **Congestion-Prone Areas:** Erode and Pallipalayam experience traffic bottlenecks due to markets and narrow roads. Erode also hosts a significant textile industry, contributing to high vehicle density.

4. Assessment of Road Quality and Infrastructure

- The NH544H and SH96 are generally well-maintained but can suffer from wear and tear. Potholes or patchy repairs may be encountered, especially post-monsoon.
- Urban sections in Erode might have narrower roads with more frequent pedestrian crossings and two-wheeler traffic.

5. Suggestions for Alternative Routes for Emergencies

- A possible alternative is taking the NH44 and NH83, which can bypass heavily trafficked interiors, although this may increase travel distance and time.
- In case of roadblocks near Erode, detouring via SH79 can be considered to reconnect to the main route.

6. Summary of Local Regulations Affecting Hazardous Material Transport

- Obtain necessary permits for hazardous materials transport.
- Restrictions might be in place during festivals or local community events.
- Adherence to speed limits and proper materials labeling is essential.

7. Overview of Historical Incidents Involving Heavy Vehicles or Hazardous Materials

- There have been occasional incidents of tanker overturns due to speeding or wet roads, emphasizing the need for cautious driving during adverse conditions.
- Erode has recorded vehicle pile-ups in dense traffic areas primarily due to poor signaling and driver impatience.

8. Environmental Considerations and Sensitive Areas

- The area around Erode has textile industries, raising concerns about pollution. Ensure that emissions standards for the truck are maintained.
- Certain sections parallel to water bodies (like the Bhavani River near Erode) require caution to avoid spillage.

9. Analysis of Communication Coverage, Noting Potential Dead Zones

- Generally, the route has good mobile coverage, but there might be intermittent dead zones in more rural sections between Erode and Pallipalayam.
- It is advisable to have an emergency communication device that does not rely solely on cellular networks.

10. Estimated Emergency Response Times for Different Route Segments

- In towns like Sangagiri and Erode: 15-20 minutes.
- Rural areas around Pallipalayam and route outskirts: 30-45 minutes due to distance from major hospitals and fire stations.

11. Overall Summary of Risk Assessment

The route poses moderate risk, mainly due to traffic congestion, road quality variations, and potential weather impacts. Heavy vehicle drivers, especially those carrying hazardous materials, should maintain appropriate speeds, ensure compliance with local transportation regulations, and prepare for adverse weather conditions. Planning with alternative routes and communication plans is recommended to ensure safety and timely deliveries.

Risk Assessment - Turns

	Risk Type	Risk Level	Coordinates	Speed Limit
0	Roundabout	High	11.37086, 77.74828	15 KM/Hr
1	Roundabout	High	11.37086, 77.74828	15 KM/Hr
2	Roundabout	High	11.27718, 77.58674	15 KM/Hr
3	Roundabout	High	11.27633, 77.58694	15 KM/Hr
4	U-Turn	High	11.3760398, 77.7526977	10 KM/Hr
5	Turn	High	11.43968, 77.87345	15 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
6	Turn	High	11.44024, 77.87528	15 KM/Hr
7	Turn	High	11.44898, 77.87410	15 KM/Hr
8	Turn	High	11.45352, 77.85698	15 KM/Hr
9	Turn	Medium	11.45847, 77.85140	30 KM/Hr
10	Turn	Medium	11.45898, 77.85135	30 KM/Hr
11	Turn	Medium	11.46303, 77.84945	30 KM/Hr
12	Turn	High	11.46314, 77.84928	15 KM/Hr
13	Turn	Medium	11.46302, 77.84874	30 KM/Hr
14	Blind Spot	Blind Spot	11.37604, 77.75270	10 KM/Hr
15	Turn	Medium	11.36538, 77.74812	30 KM/Hr
16	Turn	Medium	11.36277, 77.74708	30 KM/Hr
17	Turn	High	11.34192, 77.72824	15 KM/Hr
18	Blind Spot	Blind Spot	11.33920, 77.72902	10 KM/Hr
19	Turn	Medium	11.33916, 77.72685	30 KM/Hr
20	Turn	High	11.33896, 77.72642	15 KM/Hr
21	Turn	High	11.33092, 77.72748	15 KM/Hr
22	Turn	Medium	11.32259, 77.71458	30 KM/Hr
23	Turn	High	11.31154, 77.70721	15 KM/Hr
24	Turn	High	11.31034, 77.70783	15 KM/Hr
25	Turn	Medium	11.30818, 77.70425	30 KM/Hr
26	Turn	Medium	11.30014, 77.69820	30 KM/Hr
27	Turn	Medium	11.29952, 77.69021	30 KM/Hr
28	Turn	Medium	11.31218, 77.66714	30 KM/Hr
29	Turn	High	11.31365, 77.66689	15 KM/Hr
30	Turn	Medium	11.29872, 77.64442	30 KM/Hr
31	Turn	Medium	11.28883, 77.61276	30 KM/Hr
32	Turn	Medium	11.25890, 77.55338	30 KM/Hr
33	Turn	Medium	11.23724, 77.50686	30 KM/Hr
34	Turn	High	11.23704, 77.50676	15 KM/Hr
35	Blind Spot	Blind Spot	11.23686, 77.50216	10 KM/Hr
36	Turn	Medium	11.23649, 77.50219	30 KM/Hr
37	Turn	High	11.23396, 77.50105	15 KM/Hr
38	Turn	Medium	11.23287, 77.49934	30 KM/Hr
39	Turn	Medium	11.17851, 77.46169	30 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
40	Turn	Medium	11.17521, 77.45978	30 KM/Hr
41	Turn	Medium	11.17368, 77.45730	30 KM/Hr
42	Turn	Medium	11.17111, 77.45547	30 KM/Hr
43	Turn	High	11.16959, 77.44396	15 KM/Hr
44	Turn	Medium	11.16381, 77.43700	30 KM/Hr
45	Turn	Medium	11.16280, 77.43139	30 KM/Hr
46	Turn	Medium	11.15217, 77.42418	30 KM/Hr
47	Turn	Medium	11.15134, 77.42300	30 KM/Hr
48	Turn	Medium	11.15023, 77.42247	30 KM/Hr
49	Turn	Medium	11.14925, 77.42065	30 KM/Hr
50	Turn	Medium	11.13848, 77.41611	30 KM/Hr
51	Turn	Medium	11.13578, 77.41299	30 KM/Hr
52	Turn	Medium	11.12989, 77.40302	30 KM/Hr
53	Turn	High	11.12775, 77.39347	15 KM/Hr
54	Turn	High	11.11863, 77.39473	15 KM/Hr
55	Turn	Medium	11.11846, 77.39460	30 KM/Hr
56	Turn	High	11.11833, 77.39390	15 KM/Hr
57	Turn	High	11.11441, 77.39270	15 KM/Hr
58	Turn	High	11.11424, 77.39280	15 KM/Hr

Emergency Locations

	type	name	coordinates	speed_limit	risk_level
1	hospital	Cheran Hospital	11.3680302, 77.7481976	30 km/h	Medium
2	pharmacy	Pharmacy	11.3652161, 77.7486375	30 km/h	Medium
3	hospital	Visaalam Hospitals	11.3651528, 77.747808	30 km/h	Medium
4	hospital	Sri Kumaran E N T Hospital	11.3657814, 77.7477763	30 km/h	Medium
5	hospital	Sri Krishna Hospital	11.3656648, 77.7477783	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
6	police	Police Station	11.3630177, 77.7476505	30 km/h	Medium
7	hospital	Government Hospital	11.3608508, 77.747453	30 km/h	Medium
9	hospital	Sri Hari Sakthivel Hospital	11.3526901, 77.7323055	30 km/h	Medium
10	hospital	Senthil Prakash Hospital	11.352639, 77.732267	30 km/h	Medium
11	hospital	Dhanvantri Critical Care Center	11.3504266, 77.7311274	30 km/h	Medium
12	hospital	V K Hospital	11.3513792, 77.7313976	30 km/h	Medium
13	hospital	Dhanvantri Critical Care Centre	11.35099, 77.730508	30 km/h	Medium
14	hospital	Indrajith Yoga Nature Cure Hospital	11.3499973, 77.732974	30 km/h	Medium
16	hospital	City Hospital	11.3451151, 77.7300887	30 km/h	Medium
17	clinic	K.B.N. Nursing Home	11.344835, 77.7310771	30 km/h	Medium
18	hospital	Kumudha Hospital	11.3467172, 77.7306797	30 km/h	Medium
19	clinic	Kpn Nursing Home	11.3437022, 77.7304525	30 km/h	Medium
20	hospital	Milan Hospital	11.343591, 77.733182	30 km/h	Medium
21	hospital	Dr Kokilasekar Nursing Hospital	11.3395874, 77.7269838	30 km/h	Medium
22	hospital	Kaviraj Ayurveda Hospital	11.3400349, 77.7298199	30 km/h	Medium
23	clinic	M.R Nursing Home	11.3386746, 77.7294262	30 km/h	Medium
25	hospital	Government Maternity Hospital, Agathiar	11.33716, 77.727075	30 km/h	Medium
26	clinic	Naseer Nursing Home	11.3364485, 77.7271691	30 km/h	Medium
27	hospital	Kumarasamy Hospital	11.334273, 77.7259118	30 km/h	Medium
28	hospital	Vikram Hospital, Erode	11.3356411, 77.7280569	30 km/h	Medium
29	hospital	Shabeer Hospital	11.33529, 77.7285236	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
30	hospital	J.B. Clinic And Hospital	11.3351769, 77.7282031	30 km/h	Medium
31	hospital	Dr. R.M. Habibullah Hospital	11.335246, 77.7266028	30 km/h	Medium
32	hospital	Thangam Hospital, Erode	11.3340961, 77.7262437	30 km/h	Medium
33	hospital	Ck Hospital	11.3326562, 77.7282011	30 km/h	Medium
34	hospital	JJ hospital	11.33168, 77.728823	30 km/h	Medium
35	hospital	Jai Maaruthi Hospital	11.332, 77.727272	30 km/h	Medium
36	hospital	Bethesda Hospital	11.3314183, 77.7266231	30 km/h	Medium
37	hospital	Shubiksha Hospital	11.3318174, 77.7299544	30 km/h	Medium
38	hospital	Immick Hospital	11.332617, 77.728073	30 km/h	Medium
39	fire_station	Erode District Fire Station	11.3326366, 77.7272532	30 km/h	Medium
40	hospital	Erode Ortho Centre	11.3294487, 77.7230172	30 km/h	Medium
41	hospital	Dr. Snm Siddha Hospital	11.3306597, 77.7196144	30 km/h	Medium
42	hospital	Aditi Ent Hospital	11.3300862, 77.7236924	30 km/h	Medium
43	hospital	KRN Hospital	11.330054, 77.723136	30 km/h	Medium
44	hospital	Joseph Hospital	11.30801, 77.704584	30 km/h	Medium
46	hospital	Erode Cancer Centre	11.313682, 77.6686621	30 km/h	Medium
48	hospital	Krishna Medical Centre	11.2854479, 77.6039939	30 km/h	Medium
49	hospital	Mag Hospital	11.2804816, 77.5959817	30 km/h	Medium
50	hospital	Sree Shanthi Hospital	11.2778297, 77.5885653	30 km/h	Medium
51	hospital	Government Hospital, Perundurai	11.2760337, 77.5874483	30 km/h	Medium
52	hospital	Kongu Hospital	11.280273, 77.587989	30 km/h	Medium
53	police	Police Station	11.277733, 77.5865812	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
54	clinic	Sri Amman Clinic	11.275952, 77.5868085	30 km/h	Medium
55	hospital	Marutham Hospital	11.2796906, 77.5864262	30 km/h	Medium
56	clinic	Sri Clinic	11.27555, 77.586134	30 km/h	Medium
57	clinic	Sridar Clinic	11.2755095, 77.5861442	30 km/h	Medium
58	clinic	Thulasi Clinic	11.2766687, 77.5869752	30 km/h	Medium
59	hospital	Santhi Hospital	11.2787879, 77.5872993	30 km/h	Medium
60	hospital	KMCH Hospital	11.2788797, 77.5848796	30 km/h	Medium
61	hospital	Priya Hospital	11.2761, 77.584773	30 km/h	Medium
62	hospital	Sakthi Dental Hospital	11.2788566, 77.5849413	30 km/h	Medium
63	hospital	Sivakumar Hospital	11.2770302, 77.5852952	30 km/h	Medium
64	hospital	Anu Child Care	11.2765928, 77.5848408	30 km/h	Medium
65	clinic	Avm Physiotherapy Clinic	11.2766435, 77.5842715	30 km/h	Medium
66	hospital	N V Nursing Home	11.2780408, 77.5848735	30 km/h	Medium
67	clinic	Dass Homoeo Clinic	11.2771706, 77.5841177	30 km/h	Medium
68	hospital	Dr. Jayakanthan Hospital	11.2738446, 77.5881795	30 km/h	Medium
69	pharmacy	Nathan Medicals	11.2773384, 77.5829441	30 km/h	Medium
70	clinic	Gks Child Clinic	11.2759154, 77.5832766	30 km/h	Medium
71	clinic	Logeshwaran Homeo Clinic	11.277675, 77.583065	30 km/h	Medium
72	clinic	Ravi Clinic	11.2768201, 77.5836969	30 km/h	Medium
73	clinic	Baby Dental and Poly Clinic	11.2753902, 77.5829593	30 km/h	Medium
76	hospital	Gen Siddha Hospital	11.2375033, 77.5059797	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
77	hospital	Vijayamangalm Government Hospital	11.2382827, 77.501687	30 km/h	Medium
79	hospital	Aravind Eye Care Hospital	11.1729469, 77.4574467	30 km/h	Medium
80	clinic	Sri Maha Annai Clinic	11.1707162, 77.4536498	30 km/h	Medium
81	hospital	Ram Doctor Hospital	11.1709391, 77.4532808	30 km/h	Medium
82	clinic	Kumaran Clinic	11.1697553, 77.451543	30 km/h	Medium
83	hospital	Sri Aravindhar Hospital	11.1697756, 77.4448276	30 km/h	Medium
84	clinic	Dr. Raja Clinic	11.1278464, 77.3927768	30 km/h	Medium
85	clinic	D K Clinic General & Ortho	11.1117864, 77.3906835	30 km/h	Medium

Crowded Spots

	type	name	coordinates	speed_limit	risk_level
0	school	Ssri Valliappa Vidhayalayam mat hr school	11.4004878, 77.7794381	30 km/h	Medium
8	marketplace	Weekly Market	11.3605669, 77.7488199	30 km/h	Medium
15	school	Municipality Girls Higher secondary school	11.3495618, 77.7325011	30 km/h	Medium
24	school	E.V.R. Govt Girls Hr. Sec School	11.3371265, 77.7266283	30 km/h	Medium
45	college	Erode Arts and Science College	11.3002956, 77.6984443	30 km/h	Medium
47	school	Sri Chaitanya Techno School	11.3155178, 77.66829	30 km/h	Medium
74	school	Kongu Vellalar Matriculation Higher Sec School	11.2722171, 77.5817369	30 km/h	Medium
75	school	Bharathi Matriculation School	11.2494613, 77.5307028	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
78	college	Sasurie Engineering College	11.2171482, 77.4898552	30 km/h	Medium

Route Photos of Risky Spots



Risk Type: Roundabout
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.37086, 77.74828



Risk Type: Roundabout
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.37086, 77.74828



Risk Type: Roundabout

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.27718, 77.58674



Risk Type: Roundabout

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.27633, 77.58694



Risk Type: U-Turn

Risk Level: High

Speed Limit: 10 KM/Hr

Coordinates: 11.3760398, 77.7526977



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.44024, 77.87528



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.44898, 77.87410



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.45352, 77.85698



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.45847, 77.85140



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.45898, 77.85135



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.46303, 77.84945



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.46314, 77.84928



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.46302, 77.84874



Risk Type: Blind Spot

Risk Level: Blind Spot

Speed Limit: 10 KM/Hr

Coordinates: 11.37604, 77.75270



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.36538, 77.74812



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.36277, 77.74708



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.34192, 77.72824



Risk Type: Blind Spot

Risk Level: Blind Spot

Speed Limit: 10 KM/Hr

Coordinates: 11.33920, 77.72902



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.33916, 77.72685



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.33896, 77.72642



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.33092, 77.72748



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.32259, 77.71458



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.31154, 77.70721



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.31034, 77.70783



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.30818, 77.70425



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.30014, 77.69820



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.29952, 77.69021



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.31365, 77.66689



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.29872, 77.64442



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.28883, 77.61276



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.25890, 77.55338



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.23724, 77.50686



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.23704, 77.50676



Risk Type: Blind Spot

Risk Level: Blind Spot

Speed Limit: 10 KM/Hr

Coordinates: 11.23686, 77.50216



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.23649, 77.50219



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.23396, 77.50105



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.23287, 77.49934



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.17851, 77.46169



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.17521, 77.45978



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.17368, 77.45730



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.17111, 77.45547



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.16959, 77.44396



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.16381, 77.43700



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.16280, 77.43139



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.15217, 77.42418



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.15134, 77.42300



Risk Type: Turn
Risk Level: Medium
Speed Limit: 30 KM/Hr
Coordinates: 11.15023, 77.42247



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.14925, 77.42065



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.13848, 77.41611



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.13578, 77.41299



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.12989, 77.40302



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.12775, 77.39347



Risk Type: Turn

Risk Level: High

Speed Limit: 15 KM/Hr

Coordinates: 11.11863, 77.39473



Risk Type: Turn

Risk Level: Medium

Speed Limit: 30 KM/Hr

Coordinates: 11.11846, 77.39460



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.11833, 77.39390



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.11441, 77.39270



Risk Type: Turn
Risk Level: High
Speed Limit: 15 KM/Hr
Coordinates: 11.11424, 77.39280
