



IndianOil

JOURNEY RISK MANAGEMENT (JRM) STUDY

Salem Terminal TO MUTHUMANI ENTERPRISES

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

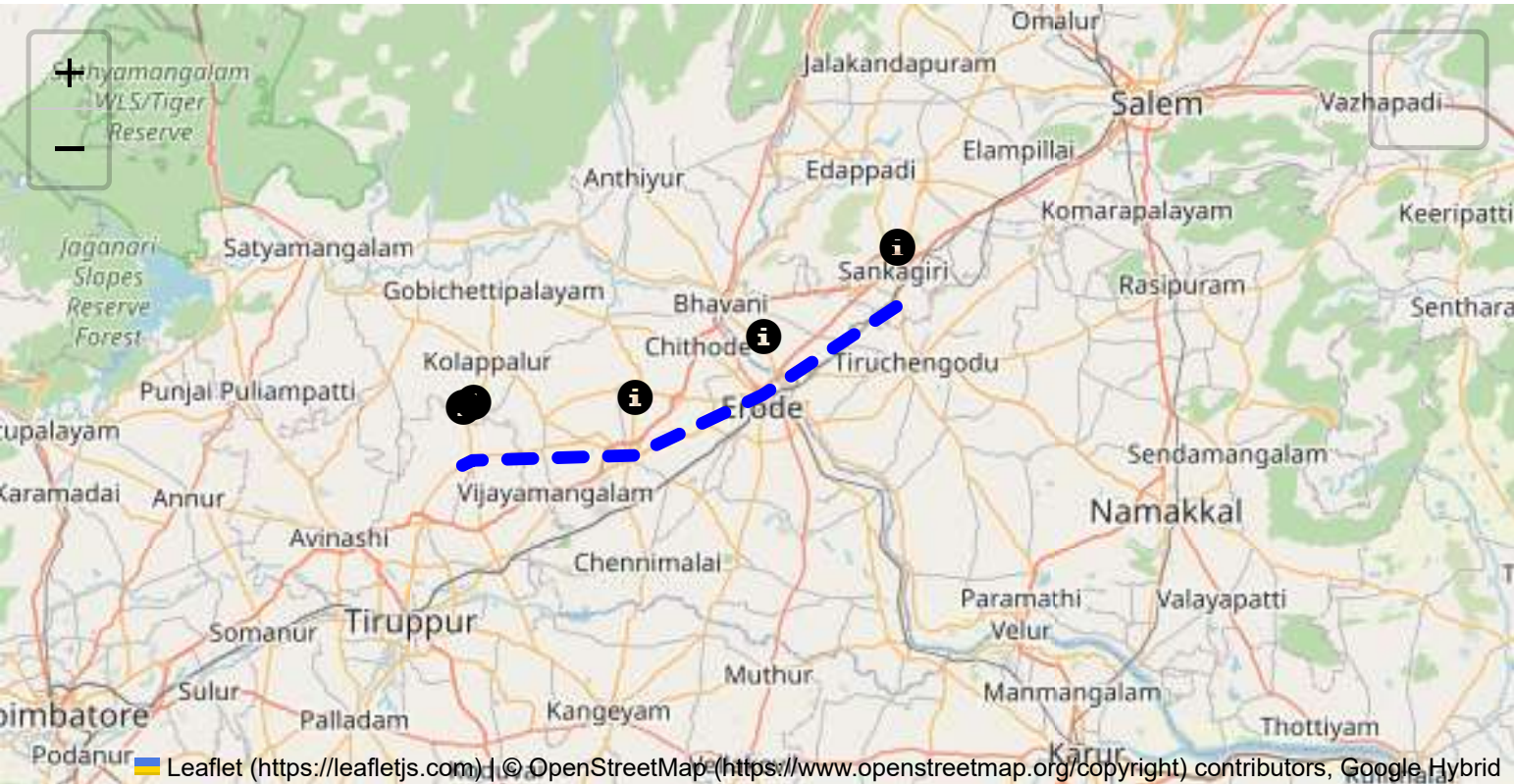
The JRM report addresses environmental risks along the route, ensuring compliance with environmental protection laws in ecologically sensitive zones. It suggests strategies such as identifying areas near water bodies, forests, or populated regions and implementing safety measures to minimize environmental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

Journey Risk Mitigation

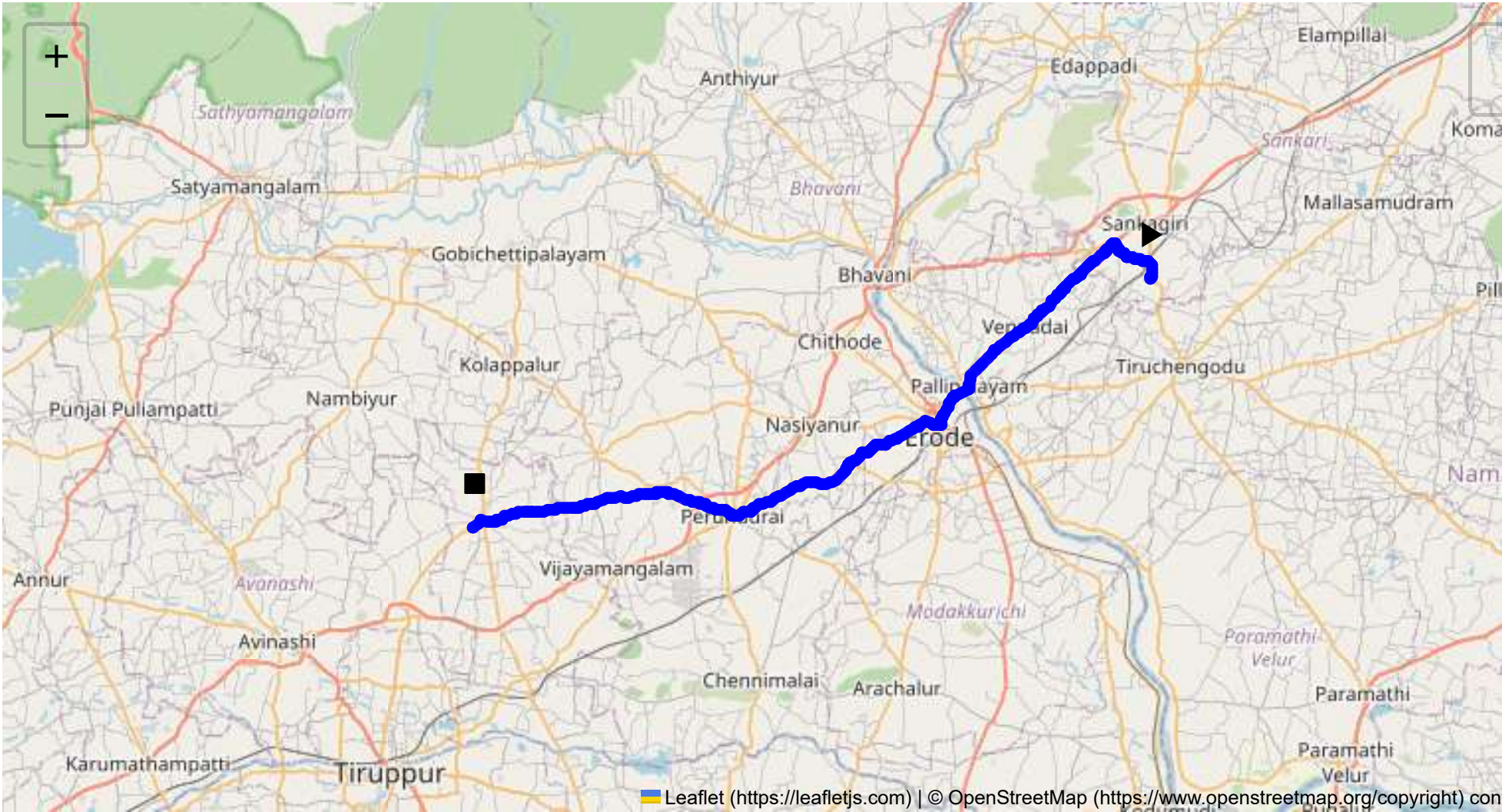
The report includes route-specific risk assessments, detailed journey charts, and defensive driving guidelines for each transport route. Integration with vehicle tracking systems guarantees real-time warnings on hazardous areas, speed limits, and mandatory stops, consistent with RTSP and CMVR safety 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: 63.84 km
Estimated Duration: 1.7 hours
Adjusted Duration (Heavy Vehicle): 2.1 hours
Start: (11.4381, 77.8734)
End: (11.268411, 77.402115)



Risk Spots

	RiskSpotType	Coordinates	Speed Limit	Distance from Start
2	Turn	11.43822, 77.87348	15 KM/Hr	0.01 km
3	Turn	11.43961, 77.87341	15 KM/Hr	0.14 km
4	Turn	11.44029, 77.87544	15 KM/Hr	0.29 km

	RiskSpotType	Coordinates	Speed Limit	Distance from Start
5	Turn	11.44893, 77.87413	15 KM/Hr	1.30 km
6	Turn	11.45127, 77.86734	15 KM/Hr	2.15 km
7	Turn	11.45350, 77.85700	15 KM/Hr	3.29 km
8	Turn	11.45845, 77.85141	15 KM/Hr	4.11 km
9	Turn	11.46303, 77.84945	15 KM/Hr	4.65 km
0	Roundabout	11.37086, 77.74828	15 KM/Hr	19.86 km
10	Turn	11.36626, 77.74788	15 KM/Hr	20.28 km
11	Turn	11.34172, 77.72823	15 KM/Hr	24.13 km
12	Turn	11.33937, 77.72895	15 KM/Hr	24.37 km
13	Turn	11.34074, 77.71702	15 KM/Hr	25.75 km
14	Turn	11.32279, 77.68016	15 KM/Hr	30.31 km
15	Turn	11.32100, 77.67929	15 KM/Hr	30.51 km
16	Turn	11.32050, 77.67552	15 KM/Hr	30.94 km
17	Turn	11.31921, 77.67316	15 KM/Hr	31.26 km
18	Turn	11.31345, 77.66585	15 KM/Hr	32.27 km
1	Roundabout	11.27718, 77.58674	15 KM/Hr	42.30 km
19	Turn	11.27737, 77.58320	15 KM/Hr	42.58 km
20	Turn	11.28010, 77.57951	15 KM/Hr	43.23 km
21	Turn	11.29241, 77.53020	15 KM/Hr	48.94 km
22	Turn	11.27381, 77.41978	15 KM/Hr	61.42 km
23	Turn	11.27256, 77.41859	15 KM/Hr	61.61 km
24	Turn	11.27228, 77.41327	15 KM/Hr	62.20 km
25	Turn	11.27354, 77.40867	15 KM/Hr	62.58 km

Emergency Services

	type	name	coordinates	side_of_road
1	hospital	Cheran Hospital	11.3680302, 77.7481976	Driver's Side
2	pharmacy	Pharmacy	11.3652161, 77.7486375	Driver's Side
3	hospital	Visaalam Hospitals	11.3651528, 77.747808	Opposite Side
4	hospital	Sri Kumaran E N T Hospital	11.3657814, 77.7477763	Opposite Side

	type	name	coordinates	side_of_road
5	hospital	Sri Krishna Hospital	11.3656648, 77.7477783	Opposite Side
7	police	Police Station	11.3630177, 77.7476505	Driver's Side
8	hospital	Government Hospital	11.3608508, 77.747453	Driver's Side
9	hospital	Sri Hari Sakthivel Hospital	11.3526901, 77.7323055	Opposite Side
10	hospital	Senthil Prakash Hospital	11.352639, 77.732267	Opposite Side
11	hospital	V K Hospital	11.3513792, 77.7313976	Opposite Side
12	hospital	Dhanvantri Critical Care Center	11.3504266, 77.7311274	Opposite Side
13	hospital	Indrajith Yoga Nature Cure Hospital	11.3499973, 77.732974	Driver's Side
14	hospital	Kumudha Hospital	11.3467172, 77.7306797	Opposite Side
15	hospital	Dhanvantri Critical Care Centre	11.35099, 77.730508	Opposite Side
16	hospital	City Hospital	11.3451151, 77.7300887	Opposite Side
17	clinic	K.B.N. Nursing Home	11.344835, 77.7310771	Driver's Side
18	clinic	Kpn Nursing Home	11.3437022, 77.7304525	Driver's Side
19	hospital	Kaviraj Ayurveda Hospital	11.3400349, 77.7298199	Driver's Side
20	hospital	Dr Kokilasekar Nursing Hospital	11.3395874, 77.7269838	Opposite Side
21	clinic	M.R Nursing Home	11.3386746, 77.7294262	Driver's Side
22	hospital	Government Maternity Hospital, Agathiar	11.33716, 77.727075	Driver's Side
23	clinic	Naseer Nursing Home	11.3364485, 77.7271691	Driver's Side
24	clinic	Dr. R Kumaraswamy Sexologist Clinic	11.3396057, 77.7221701	Opposite Side
25	clinic	Janet Nursing Home	11.3396455, 77.7203698	Driver's Side
26	hospital	Dr. Pondiperumal Hospital	11.3390924, 77.7205408	Driver's Side

	type	name	coordinates	side_of_road
27	clinic	Newlife Fertility Centre	11.3389396, 77.7213358	Driver's Side
28	hospital	Guhan ENT Hospital	11.339489, 77.721001	Driver's Side
29	hospital	Universal Hospital	11.3411046, 77.7185217	Opposite Side
30	hospital	Duraisamy Hospital	11.3391625, 77.7187054	Driver's Side
31	hospital	Srimathi Murugesan Hospital	11.3389205, 77.7187791	Driver's Side
32	hospital	Abisek Medical Centre	11.3415975, 77.7191789	Opposite Side
33	hospital	Sri Vijaya Hitech Hospital	11.3400011, 77.7192251	Driver's Side
34	hospital	Suriya Hospital	11.340248, 77.7186452	Driver's Side
35	hospital	Bharath Hospital	11.3370288, 77.7186516	Driver's Side
36	hospital	Abitha Eye Hospital	11.34021, 77.7187589	Driver's Side
37	hospital	Shri Vijaiah Trauma Care Hospital	11.3418935, 77.7193036	Opposite Side
38	hospital	Surya Hospital	11.3400026, 77.7190977	Driver's Side
39	hospital	District Hospital, Eroda	11.3393048, 77.717926	Driver's Side
40	hospital	Dr. Agarwal's Eye Hospital Ltd. - Erode	11.3421842, 77.7173066	Opposite Side
41	hospital	L.V.S. Eye Hospital	11.3385839, 77.7156597	Driver's Side
42	hospital	Erode Kidney's Centre	11.3383801, 77.7164201	Driver's Side
43	hospital	Shri Preethe Hospital	11.3385944, 77.7157979	Driver's Side
44	hospital	Dr Nsk Hospital	11.3381737, 77.7153821	Driver's Side
45	hospital	Devi Hospital	11.34116, 77.718307	Opposite Side
46	hospital	KMCH Speciality Hospital	11.33911, 77.716284	Driver's Side
47	hospital	SCS Hospital And Urology Clinic	11.3410253, 77.718043	Opposite Side
48	hospital	Anusha Hospital	11.3397168, 77.7166805	Driver's Side

	type	name	coordinates	side_of_road
49	clinic	Vanalika Homoeo Centre	11.341349, 77.717987	Opposite Side
50	clinic	Skin Care Clinic	11.3409042, 77.7178413	Opposite Side
51	hospital	Care Hospital	11.338443, 77.716511	Driver's Side
52	hospital	Ortho Life Hospital	11.3395729, 77.7167329	Driver's Side
53	hospital	SRC Hospital	11.3413999, 77.7177834	Opposite Side
54	hospital	Keran Hospital	11.3400456, 77.7154808	Opposite Side
55	hospital	Gem Hospital	11.338106, 77.7155077	Driver's Side
56	hospital	Nalan Hospital	11.3399703, 77.716773	Driver's Side
57	clinic	Dr. Chandran Skin Laser Centre	11.3413527, 77.7174891	Opposite Side
58	hospital	Sri Hari Hospital	11.338357, 77.7164204	Driver's Side
59	hospital	Annai Ent and Head and Neck Care Center	11.3387785, 77.7149034	Driver's Side
60	clinic	Madhu Surgical Clinic	11.3386602, 77.7143441	Driver's Side
61	hospital	Kovai Medical Centre And Hospital, Perundurai	11.3381361, 77.7139593	Driver's Side
62	hospital	Senthil Multispeciality Hospital	11.338983, 77.7138529	Opposite Side
63	hospital	Kavin Hospital	11.3383568, 77.7138882	Driver's Side
64	clinic	RB Kids Clinic	11.339221, 77.713915	Opposite Side
65	hospital	Arun Fracture Hospital	11.3378114, 77.7152632	Driver's Side
66	hospital	Srinivasa Speciality Hospital	11.337577, 77.715527	Driver's Side
67	clinic	Sathyavathi Ramalingam Clinic	11.3380366, 77.7166875	Driver's Side
68	hospital	Curie Hospital	11.3380517, 77.7140038	Driver's Side
69	hospital	Maruthi Medical Centre(Mmch Hospital)	11.3384018, 77.7130616	Opposite Side
70	hospital	Vsm Hospital Atho And Maternity Centre	11.3374641, 77.7117842	Opposite Side

	type	name	coordinates	side_of_road
71	clinic	Vadivu Subramanian Nursing Home	11.337507, 77.7152038	Driver's Side
72	hospital	Erode Trust Hospital	11.3399422, 77.7134188	Opposite Side
73	hospital	Sri Athi Sathya Hospital	11.3392651, 77.7126583	Opposite Side
74	hospital	Sudha Institute of Medical Sciences Hospital	11.3371539, 77.7109247	Opposite Side
75	hospital	Sri Harini Hospital	11.335935, 77.7112643	Driver's Side
76	hospital	Sholai Medical Centre	11.3364905, 77.7107674	Driver's Side
77	hospital	Arcees Hospital	11.3381082, 77.7110478	Opposite Side
78	clinic	Rahat Acu Clinic	11.3378679, 77.7123699	Opposite Side
79	hospital	Arc Fertility Hospital	11.3397231, 77.7130655	Opposite Side
80	hospital	Sakthipriya Hospital	11.337874, 77.711363	Opposite Side
81	hospital	Velavan Hospital	11.3384075, 77.7123677	Opposite Side
82	hospital	V.S.M. Hospital	11.337176, 77.7113816	Opposite Side
84	hospital	SIMS Children Hospital	11.3376687, 77.7106065	Opposite Side
85	hospital	Bharani Paventhan Multi Speciality Hospital	11.3358357, 77.7081187	Opposite Side
86	hospital	Gnanaganesh Hospital	11.3340114, 77.706332	Driver's Side
87	hospital	Siddhvedam Siddha Hospital	11.3336526, 77.7063319	Driver's Side
88	clinic	Sukeerthi Skin Care	11.3342224, 77.7051196	Opposite Side
92	hospital	RKR Neuro Hospital	11.3278243, 77.6991636	Driver's Side
93	hospital	TPN Hospital	11.3273279, 77.6928516	Driver's Side
94	hospital	Erode Hospital	11.3279227, 77.6924918	Opposite Side
95	hospital	Nalamthaa Siddha Hospital	11.3253867, 77.6901722	Driver's Side

	type	name	coordinates	side_of_road
96	hospital	Care 24 Medical Centre & Hospital	11.326585, 77.688148	Opposite Side
98	clinic	Vasan Eye Care	11.3223693, 77.6844101	Driver's Side
100	hospital	Erode Cancer Centre	11.313682, 77.6686621	Driver's Side
101	hospital	Krishna Medical Centre	11.2854479, 77.6039939	Opposite Side
102	hospital	Mag Hospital	11.2804816, 77.5959817	Opposite Side
103	hospital	Sree Shanthi Hospital	11.2778297, 77.5885653	Opposite Side
104	hospital	Government Hospital, Perundurai	11.2760337, 77.5874483	Driver's Side
105	hospital	Kongu Hospital	11.280273, 77.587989	Opposite Side
106	police	Police Station	11.277733, 77.5865812	Opposite Side
107	clinic	Sri Amman Clinic	11.275952, 77.5868085	Driver's Side
108	hospital	Marutham Hospital	11.2796906, 77.5864262	Opposite Side
109	clinic	Sri Clinic	11.27555, 77.586134	Driver's Side
110	clinic	Sridar Clinic	11.2755095, 77.5861442	Driver's Side
111	clinic	Thulasi Clinic	11.2766687, 77.5869752	Driver's Side
112	hospital	Santhi Hospital	11.2787879, 77.5872993	Opposite Side
113	hospital	KMCH Hospital	11.2788797, 77.5848796	Opposite Side
114	hospital	Priya Hospital	11.2761, 77.584773	Opposite Side
115	hospital	Sakthi Dental Hospital	11.2788566, 77.5849413	Opposite Side
116	hospital	Sivakumar Hospital	11.2770302, 77.5852952	Driver's Side
117	hospital	Anu Child Care	11.2765928, 77.5848408	Driver's Side
118	clinic	Avm Physiotherapy Clinic	11.2766435, 77.5842715	Opposite Side

	type	name	coordinates	side_of_road
119	clinic	Dass Homoeo Clinic	11.2771706, 77.5841177	Opposite Side
120	hospital	N V Nursing Home	11.2780408, 77.5848735	Opposite Side
122	pharmacy	Nathan Medicals	11.2773384, 77.5829441	Driver's Side
123	clinic	Gks Child Clinic	11.2759154, 77.5832766	Driver's Side
124	clinic	Logeshwaran Homeo Clinic	11.277675, 77.583065	Opposite Side
125	clinic	Ravi Clinic	11.2768201, 77.5836969	Driver's Side
126	clinic	Baby Dental and Poly Clinic	11.2753902, 77.5829593	Driver's Side
127	clinic	VP Medical Centre & Eye Foundation	11.2784922, 77.5836374	Opposite Side
128	clinic	Shri Devi Clinic	11.279437, 77.58024	Opposite Side
129	clinic	MNP Nursing Home	11.281438, 77.5739526	Opposite Side
130	hospital	KMCH Hospital	11.2814725, 77.5739302	Opposite Side
131	hospital	Rama Prasad Multispeciality Hospital	11.2794959, 77.5723401	Driver's Side
132	hospital	Irt Hospital	11.2803603, 77.5644118	Driver's Side
133	hospital	IRT Ramalingam Tuberculosis Hospital	11.2828419, 77.5628621	Driver's Side
134	hospital	Sanitorium Hospital	11.2828041, 77.5629626	Driver's Side
136	hospital	Thavamani Hospital	11.2719549, 77.4120852	Driver's Side
137	hospital	S V Hospital	11.273427, 77.411431	Opposite Side
138	hospital	Dhanam Thangam Hospital	11.2719384, 77.4121472	Driver's Side
139	clinic	Sumathi Clinic	11.2725128, 77.411116	Driver's Side
140	hospital	Viswanathan Hospital	11.2725112, 77.411171	Driver's Side

	type	name	coordinates	side_of_road
141	clinic	Harisandhara Klinik	11.2711263, 77.4109069	Driver's Side
142	police	Kunnathur Police Station	11.2730826, 77.4111808	Opposite Side
143	clinic	Arogya Clinic	11.2706519, 77.4100587	Driver's Side
144	clinic	Sri Murugan Nursing Home	11.271798, 77.409776	Driver's Side

Rest Stops

	type	name	coordinates	side_of_road
0	cafe	Cafe	11.370475, 77.7481115	Opposite Side
6	cafe	Cafe	11.3644585, 77.7477736	Opposite Side
83	hotel	Surabhi hotels and catering	11.3400317, 77.7129918	Opposite Side
89	fuel	Indian Oil	11.3341256, 77.7060208	Driver's Side
90	hotel	Hotel Shree Residency	11.3335551, 77.7045628	Driver's Side
91	car_repair	Ambal Auto	11.3325056, 77.7019438	Opposite Side
97	car_repair	Nexa Car Service	11.325529, 77.6855989	Opposite Side
99	fuel	HP	11.320818, 77.6793489	Driver's Side
121	cafe	Aroma Bakes	11.2789203, 77.5849372	Opposite Side
135	cafe	Sree Anand Bakers and Cake Shop	11.2882139, 77.5495405	Driver's Side

Welcome to the Journey Risk Management Study

Route Safety Analysis

1. Overview of the Route Map:

- The route stretches approximately 63.84 kilometers, beginning at Sangagiri in Tamil Nadu and proceeding through Puthur, Erode, Perundurai, and finally reaching Kunnathur. This route primarily follows local roads and highways, intersecting several small towns.

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

- Tamil Nadu generally experiences a tropical climate, with a hot and humid weather pattern. The summer months (March to June) can be extremely hot, with temperatures soaring above 40°C, which may lead to road surface damage. The monsoon season (June to September) often causes heavy rainfall, potentially leading to flooding and slippery roads. Cyclonic activity, while less frequent inland, can also cause disruption during these months.

3. Analysis of Traffic Patterns:

- Traffic is generally steady, with peak congestion typically experienced in the morning between 8 AM and 10 AM, and in the evening from 5 PM to 7 PM, especially near urban areas like Erode. Local festivals or events may also cause temporary spikes in traffic.

4. Assessment of Road Quality and Infrastructure:

- The road quality varies along the route, with major highways being well-maintained, while local roads may have potholes or uneven surfaces. Signage and lighting are generally adequate in urban areas but sparse in rural stretches.

5. Suggestions for Alternative Routes:

- In case of emergencies, an alternative route via National Highway 544 offers a slightly longer path but with better road conditions and faster travel speeds, especially during night hours or when adverse conditions make local roads hazardous.

6. Summary of Local Regulations Affecting Hazardous Material Transport:

- Transportation of hazardous materials in Tamil Nadu requires compliance with specific regulations, including secured packaging, identifiable marking on vehicles, and adherence to designated transport routes and timings. Permits and notification of local authorities may be necessary for certain materials.

7. Overview of Historical Incidents:

- Though not frequent, there have been incidents involving heavy vehicles, often due to poor road conditions or driver error, especially in adverse weather conditions. Erode has witnessed sporadic accidents involving trucks, underscoring the need for vigilance.

8. Environmental Considerations and Sensitive Areas:

- There are multiple agricultural areas along the route which can be environmentally sensitive. Care should be taken to avoid contamination or spills that could affect local ecosystems, especially near water bodies.

9. Analysis of Communication Coverage:

- Communications coverage is generally reliable along highways and in urban centers. However, there are likely to be dead zones in rural zones, particularly in less populated areas between towns.

10. Estimated Emergency Response Times:

- Urban stretches near Erode may see faster emergency response times due to proximity to facilities and services. In rural sections, response times could range from 30 to 60 minutes, depending on accessibility and congestion.

11. Overall Summary of Risk Assessment:

- The route presents moderate risk levels, with particular concern for weather-related disruptions, inconsistent road quality, and communication challenges in rural zones. Drivers must adhere to safety protocols, remain aware of environmental sensitivities, and maintain constant communication as feasible. Avoiding peak travel times and using alternative routes when necessary can help mitigate potential hazards.

Route Photos of Risky Spots



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 0.29 km

Coordinates: 11.44029, 77.87544



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 1.30 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: Roundabout

Speed Limit: 15 KM/Hr

Distance from Start: 19.86 km

Coordinates: 11.37086, 77.74828



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 20.28 km

Coordinates: 11.36626, 77.74788



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 24.13 km

Coordinates: 11.34172, 77.72823



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 24.37 km

Coordinates: 11.33937, 77.72895



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 25.75 km

Coordinates: 11.34074, 77.71702



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 30.31 km

Coordinates: 11.32279, 77.68016



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 30.51 km

Coordinates: 11.32100, 77.67929



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 30.94 km

Coordinates: 11.32050, 77.67552



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 31.26 km

Coordinates: 11.31921, 77.67316



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 32.27 km

Coordinates: 11.31345, 77.66585



Risk Type: Roundabout

Speed Limit: 15 KM/Hr

Distance from Start: 42.30 km

Coordinates: 11.27718, 77.58674



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 42.58 km

Coordinates: 11.27737, 77.58320



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 43.23 km

Coordinates: 11.28010, 77.57951



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 48.94 km

Coordinates: 11.29241, 77.53020



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 61.42 km

Coordinates: 11.27381, 77.41978



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 61.61 km

Coordinates: 11.27256, 77.41859



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 62.20 km

Coordinates: 11.27228, 77.41327



Risk Type: Turn

Speed Limit: 15 KM/Hr

Distance from Start: 62.58 km

Coordinates: 11.27354, 77.40867

[Download Interactive Map](#)

