



# IndianOil

## JOURNEY RISK MANAGEMENT (JRM) STUDY

### IOCL Coimbatore Terminal to Raichur Thermal Power Stn

#### 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**

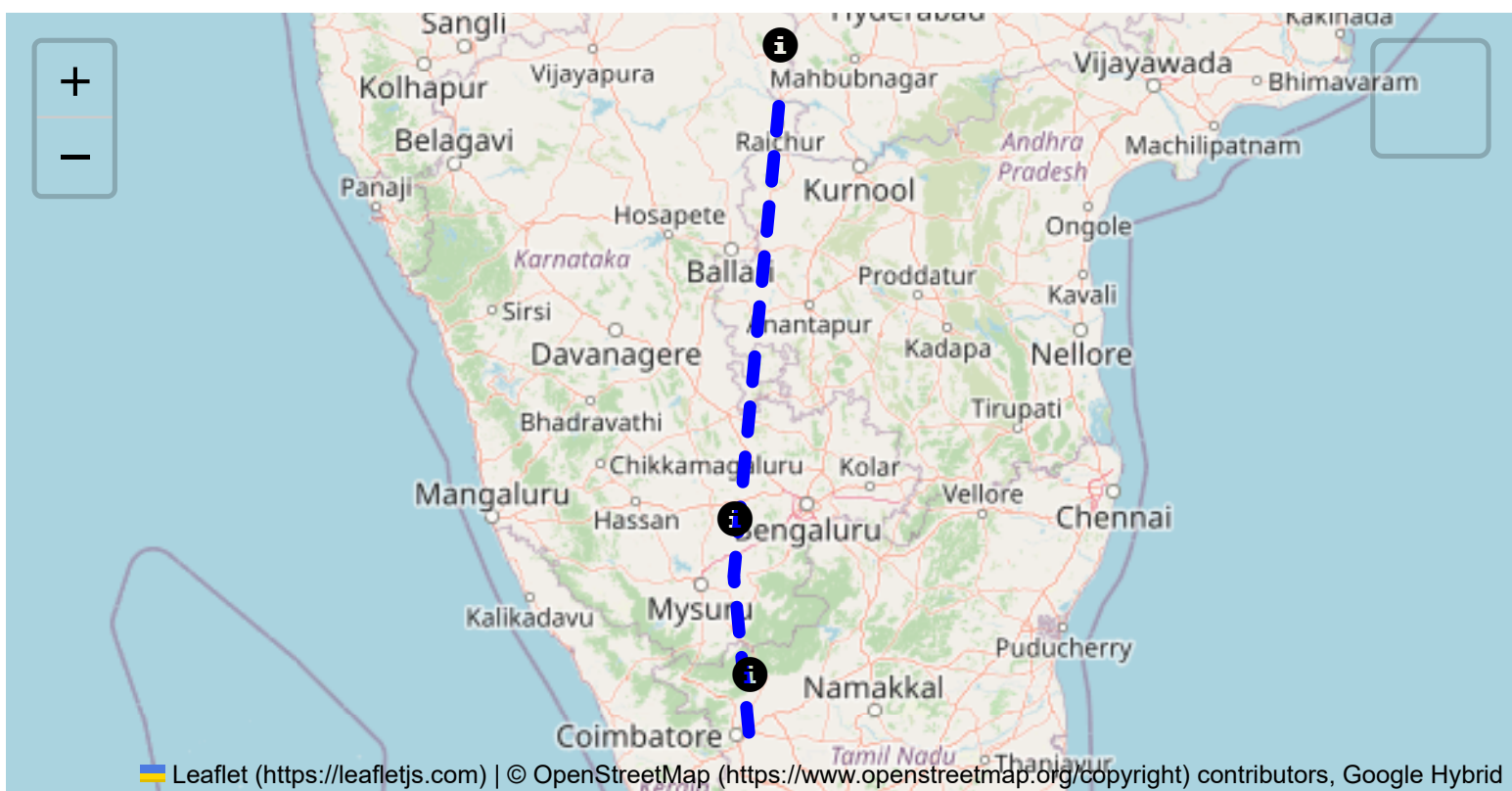
The JRM report addresses environmental risks along the route, ensuring compliance with environmental protection laws in ecologically sensitive zones. It suggests strategies such as identifying areas near water bodies, forests, or populated regions and implementing safety measures to minimize environmental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

## **Journey Risk Mitigation**

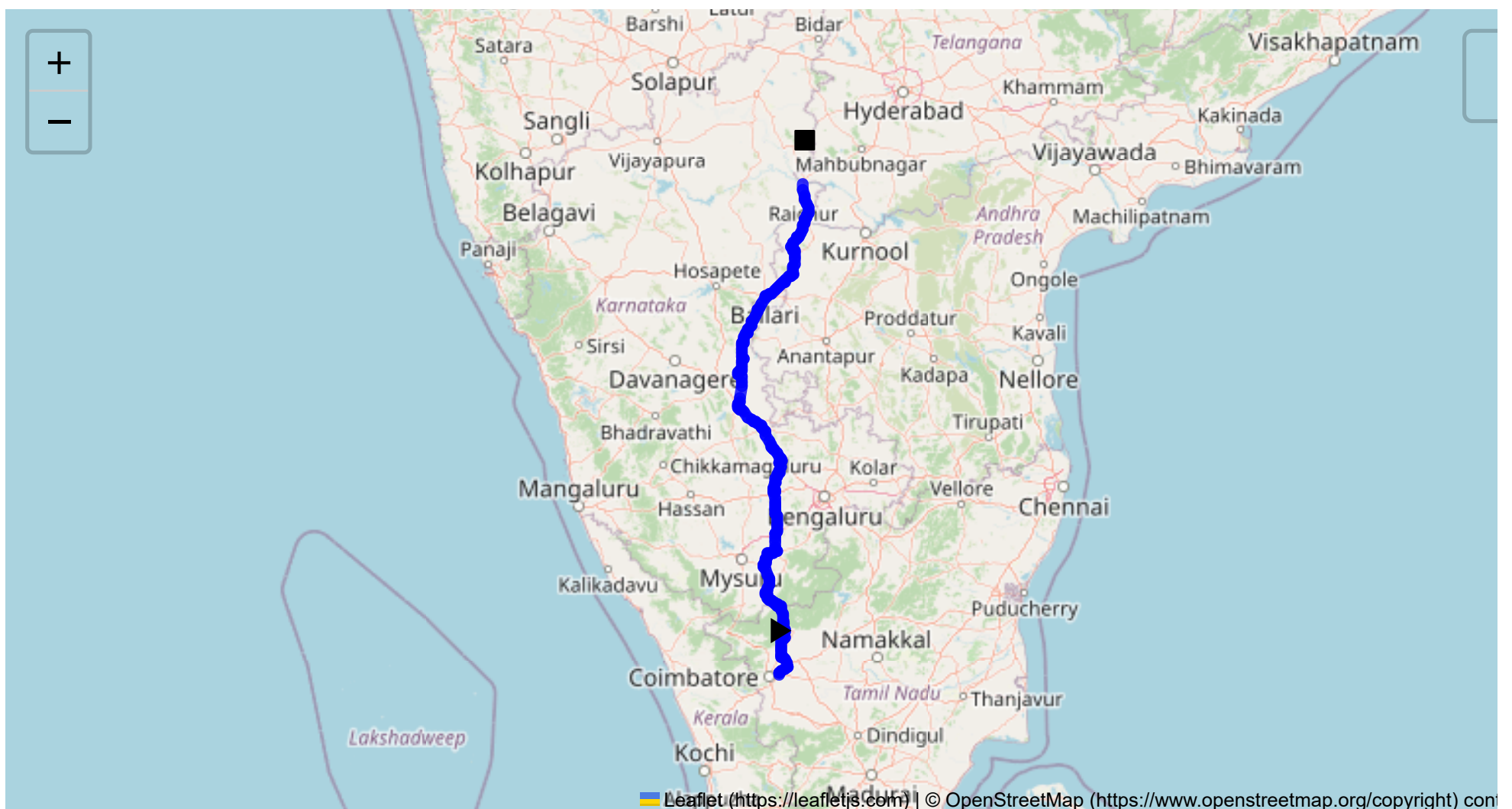
The report includes route-specific risk assessments, detailed journey charts, and defensive driving guidelines for each transport route. Integration with vehicle tracking systems guarantees real-time warnings on hazardous areas, speed limits, and mandatory stops, consistent with RTSP and CMVR safety 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: 726.61 km**  
**Estimated Duration: 14.7 hours**  
**Adjusted Duration (Heavy Vehicle): 18.4 hours**  
**Start: (11.0315, 77.0797)**  
**End: (16.357495, 77.34771)**



## Welcome to the Journey Risk Management Study

### 1. Overview of the Route Map

The route begins in Athappagoundenpudur, Coimbatore, Tamil Nadu, and ends in Shaktinagar, Karnataka, passing through key locations such as Mysore and Malavalli. The journey spans approximately 727 kilometers, largely involving National Highways and state roads. The general progression goes from east to west, beginning in Tamil Nadu and concluding in Karnataka.

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

- **Coimbatore Region:** Known for a relatively moderate climate. However, during the monsoon season (June to September), heavy rainfall could cause water logging and slippery roads.
- **Mysore and Malavalli:** Experiences moderate to heavy rainfall during the monsoon, potentially leading to reduced visibility and minor flooding.
- **Shaktinagar Region:** Hot and dry weather most of the year, but the area can experience heavy downpours during the monsoon, leading to flash floods in low-lying areas.

## 3. Analysis of Traffic Patterns

Traffic can be variable, with major congestion typically occurring during:

- Morning (7:30 AM - 9:30 AM) and evening (5:00 PM - 7:00 PM) peak hours near urban areas like Coimbatore, Mysore, and nearby town centers.
- Highways can experience traffic buildup during weekends due to local commuters and tourists.

## 4. Assessment of Road Quality and Infrastructure

- **National Highways:** Generally well-maintained and suitable for heavy vehicles, although some sections might be under construction or maintenance.
- **State Roads:** Conditions can be variable, with potential for potholes, especially after the monsoon season.
- **Unmarked Local Roads:** May lack proper signage and lighting.

## 5. Suggestions for Alternative Routes for Emergencies

- When possible, consider using alternative highways such as NH48 or NH50 to bypass heavily congested or damaged sections.
- Local bypass roads around major cities such as Mysore can be used to avoid city center traffic.

## 6. Summary of Local Regulations Affecting Hazardous Material Transport

- Drivers must possess appropriate permits for transporting hazardous materials.
- Transportation of hazardous goods is restricted in certain urban areas during peak hours.
- Strict adherence to load limits and safety equipment such as fire extinguishers and spill kits is required.

## 7. Overview of Historical Incidents

- There have been occasional accidents involving heavy vehicles on the route, often due to poor weather conditions or road maintenance issues.



- Incidents involving hazardous materials are rare but typically result in significant police and emergency services presence and possible route diversions.

## 8. Environmental Considerations and Sensitive Areas

- The route crosses several agricultural areas where chemical spills could have serious impacts on local crops.
- Be cautious near water bodies and protected zones, such as wildlife sanctuaries around Mysore, to prevent environmental contamination.

## 9. Analysis of Communication Coverage

- Major sections near urban and semi-urban areas have good mobile network coverage.
- Rural stretches may experience intermittent connectivity issues, especially near forested or hilly areas.

## 10. Estimated Emergency Response Times

- Urban areas: Emergency services can typically arrive within 20-30 minutes.
- Rural sections: Response times may extend to 1-2 hours, depending on location and road conditions.

## 11. Overall Summary of Risk Assessment

The route involves a combination of well-maintained highways and more challenging state and local roads. Key risks include weather-related disruptions, traffic congestion in urban areas, and variable road conditions. Ensuring compliance with safety regulations for transporting hazardous materials can mitigate some risks. Continuous monitoring of weather updates, traffic reports, and maintaining open communication with local authorities for emergencies is essential for safe transit.

Overall, the route is manageable for experienced truck drivers, with proper planning and adherence to safety protocols.

### Risk Assessment - Turns

	Risk Type	Risk Level	Coordinates	Speed Limit
0	Roundabout	High	11.47271, 77.13198	15 KM/Hr
1	Roundabout	High	13.31601, 77.09101	15 KM/Hr
2	Roundabout	High	15.14499, 76.92802	15 KM/Hr
3	U-Turn	High	12.5809748, 77.0327476	10 KM/Hr
4	Turn	Medium	11.04106, 77.07756	30 KM/Hr
5	Turn	Medium	11.05288, 77.08013	30 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
6	Turn	High	11.10925, 77.17641	15 KM/Hr
7	Turn	Medium	11.23212, 77.11181	30 KM/Hr
8	Turn	High	11.23535, 77.10304	15 KM/Hr
9	Turn	Medium	11.39782, 77.11041	30 KM/Hr
10	Turn	Medium	11.43147, 77.13783	30 KM/Hr
11	Turn	High	11.47295, 77.13062	15 KM/Hr
12	Turn	Medium	11.47336, 77.11565	30 KM/Hr
13	Turn	High	11.47647, 77.11144	15 KM/Hr
14	Turn	High	11.48851, 77.11186	15 KM/Hr
15	Turn	High	11.49063, 77.13337	15 KM/Hr
16	Turn	Medium	11.50426, 77.14285	30 KM/Hr
17	Turn	High	11.59625, 77.12483	15 KM/Hr
18	Turn	High	11.60437, 77.12929	15 KM/Hr
19	Turn	Medium	11.61029, 77.12624	30 KM/Hr
20	Turn	Medium	11.76560, 77.10980	30 KM/Hr
21	Turn	High	11.77501, 77.10325	15 KM/Hr
22	Turn	Medium	11.77476, 77.08938	30 KM/Hr
23	Turn	Medium	11.78710, 77.06820	30 KM/Hr
24	Turn	High	11.79535, 77.06371	15 KM/Hr
25	Turn	Medium	11.79563, 77.05642	30 KM/Hr
26	Turn	Medium	11.80634, 77.04274	30 KM/Hr
27	Blind Spot	Blind Spot	11.81384, 77.00347	10 KM/Hr
28	Turn	High	11.82868, 77.00764	15 KM/Hr
29	Turn	High	11.86665, 76.95456	15 KM/Hr
30	Turn	Medium	11.88257, 76.95613	30 KM/Hr
31	Turn	Medium	11.90247, 76.94700	30 KM/Hr
32	Turn	High	11.91747, 76.92636	15 KM/Hr
33	Turn	High	11.93574, 76.92641	15 KM/Hr
34	Turn	Medium	11.94879, 76.93971	30 KM/Hr
35	Turn	Medium	12.05035, 76.98108	30 KM/Hr
36	Turn	Medium	12.21675, 76.90657	30 KM/Hr
37	Turn	High	12.22516, 76.90797	15 KM/Hr
38	Turn	High	12.22816, 76.91306	15 KM/Hr
39	Turn	High	12.24122, 76.90975	15 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
40	Turn	High	12.25426, 76.92775	15 KM/Hr
41	Turn	Medium	12.34447, 76.94748	30 KM/Hr
42	Blind Spot	Blind Spot	12.35624, 76.94462	10 KM/Hr
43	Blind Spot	Blind Spot	12.38883, 77.05860	10 KM/Hr
44	Turn	Medium	12.58162, 77.03391	30 KM/Hr
45	Turn	Medium	12.59291, 77.04936	30 KM/Hr
46	Turn	Medium	12.76750, 77.06107	30 KM/Hr
47	Turn	High	12.82573, 77.02742	15 KM/Hr
48	Turn	Medium	12.89246, 77.04467	30 KM/Hr
49	Turn	Medium	13.02924, 77.02631	30 KM/Hr
50	Turn	High	13.04183, 77.02145	15 KM/Hr
51	Turn	Medium	13.05200, 77.02618	30 KM/Hr
52	Turn	Medium	13.16760, 77.03319	30 KM/Hr
53	Turn	Medium	13.25008, 77.08543	30 KM/Hr
54	Turn	Medium	13.35419, 77.09030	30 KM/Hr
55	Turn	High	13.36653, 77.10312	15 KM/Hr
56	Turn	Medium	13.71390, 76.91370	30 KM/Hr
57	Turn	Medium	13.75746, 76.87581	30 KM/Hr
58	Turn	High	13.92953, 76.63016	15 KM/Hr
59	Turn	Medium	13.95767, 76.61880	30 KM/Hr
60	Blind Spot	Blind Spot	13.96117, 76.61066	10 KM/Hr
61	Turn	High	13.96150, 76.61428	15 KM/Hr
62	Turn	Medium	14.27648, 76.65648	30 KM/Hr
63	Turn	Medium	14.31471, 76.62686	30 KM/Hr
64	Turn	Medium	14.32578, 76.62731	30 KM/Hr
65	Turn	Medium	14.35542, 76.65421	30 KM/Hr
66	Turn	Medium	14.45345, 76.66633	30 KM/Hr
67	Turn	Medium	14.46857, 76.67644	30 KM/Hr
68	Turn	Medium	14.64025, 76.66765	30 KM/Hr
69	Turn	Medium	14.76359, 76.72249	30 KM/Hr
70	Turn	Medium	14.80090, 76.73483	30 KM/Hr
71	Turn	Medium	14.84457, 76.77962	30 KM/Hr
72	Turn	Medium	14.89065, 76.77939	30 KM/Hr
73	Turn	Medium	15.01416, 76.83852	30 KM/Hr

	Risk Type	Risk Level	Coordinates	Speed Limit
74	Turn	Medium	15.14237, 76.92037	30 KM/Hr
75	Turn	Medium	15.16697, 76.95677	30 KM/Hr
76	Turn	Medium	15.17052, 76.97267	30 KM/Hr
77	Turn	Medium	15.25321, 77.07744	30 KM/Hr
78	Turn	Medium	15.38631, 77.22346	30 KM/Hr
79	Turn	Medium	15.59118, 77.26454	30 KM/Hr
80	Turn	Medium	15.63512, 77.24795	30 KM/Hr
81	Turn	Medium	15.68359, 77.22261	30 KM/Hr
82	Turn	High	15.79217, 77.27923	15 KM/Hr
83	Turn	Medium	15.80120, 77.29956	30 KM/Hr
84	Turn	Medium	15.97596, 77.37589	30 KM/Hr
85	Turn	Medium	15.98639, 77.37493	30 KM/Hr

### Emergency Locations

	type	name	coordinates	speed_limit	risk_level
1	hospital	NM Hospital	11.23271, 77.10187	30 km/h	Medium
5	hospital	Primary Health Centre	13.3631106, 77.100256	30 km/h	Medium
12	police	Police Station	13.9592757, 76.6109797	30 km/h	Medium
13	hospital	Government Hospital,D.Hirehal	15.005934, 76.834643	30 km/h	Medium
14	hospital	Navodaya Hospital	15.1397969, 76.9177188	30 km/h	Medium
15	hospital	Government Hospital	15.1400842, 76.9210396	30 km/h	Medium
19	hospital	M S R Hospital	15.1506984, 76.9367346	30 km/h	Medium
20	hospital	Dr. S. K. Panduranga Rao Hospital	15.1489687, 76.935904	30 km/h	Medium
21	hospital	R K Hospital, Ballari	15.1486852, 76.9352415	30 km/h	Medium
22	hospital	Chiranjeevi Newborn and Child Health Centre	15.149046, 76.935449	30 km/h	Medium



	type	name	coordinates	speed_limit	risk_level
23	clinic	Leela ENT Care	15.1489145, 76.9361638	30 km/h	Medium
24	police	DRP Parade Grounds	15.1484257, 76.9341247	30 km/h	Medium
28	hospital	District Hospital, Ballari	15.1450181, 76.9346441	30 km/h	Medium
29	police	AP Checkpost	15.3104258, 77.1441648	30 km/h	Medium
33	clinic	Bettadur Hospital	16.2085212, 77.3571121	30 km/h	Medium
34	hospital	S.B. Hospital	16.2064884, 77.3584624	30 km/h	Medium
35	hospital	Janani Hospital	16.2067288, 77.3570512	30 km/h	Medium
36	clinic	Spandana Children's Clinic	16.206179, 77.3586952	30 km/h	Medium

### Crowded Spots

	type	name	coordinates	speed_limit	risk_level
0	college	PSG Institute of Technology and Applied Research	11.0677118, 77.0945744	30 km/h	Medium
2	marketplace	Annur saturday market (weekly market)	11.2349165, 77.1028197	30 km/h	Medium
3	college	Bharati Education Trust	12.4820516, 77.0337572	30 km/h	Medium
4	marketplace	TAPMCS Market	12.5802665, 77.0331636	30 km/h	Medium
6	school	HMS School Ground	13.3642008, 77.0971253	30 km/h	Medium
7	school	Arivu School	13.362788, 77.1017634	30 km/h	Medium
8	college	KSEF College	13.3688656, 77.1018044	30 km/h	Medium
9	school	Kaledasa	13.3651009, 77.1038107	30 km/h	Medium

	type	name	coordinates	speed_limit	risk_level
10	college	Sridevi Nursing College	13.3720278, 77.1012553	30 km/h	Medium
11	school	Jain Pubic School	13.4104934, 77.0859529	30 km/h	Medium
16	college	St. Johns PU College	15.1423947, 76.9178053	30 km/h	Medium
17	college	Shree Medha Degree College &Pre- university College	15.1435719, 76.9184176	30 km/h	Medium
18	college	Wardlaw College	15.140862, 76.9233409	30 km/h	Medium
25	college	Government Ex-Municipal College	15.1459946, 76.9320134	30 km/h	Medium
26	college	SSA First Grade College	15.1465242, 76.9331218	30 km/h	Medium
27	school	MGM School	15.1474298, 76.9325587	30 km/h	Medium
30	school	AP Model School , Aluru	15.3979817, 77.2218868	30 km/h	Medium
31	college	Government Polytechnic College , Aluru	15.3972525, 77.2243543	30 km/h	Medium
32	college	Bankatlal Rajaram Boob College Of Commerce	16.1954728, 77.3623963	30 km/h	Medium
37	college	Sarvodaya E - Techno School & Pu Commerce College	16.2075973, 77.3583811	30 km/h	Medium

## Route Photos of Risky Spots



**Risk Type:** Roundabout

**Risk Level:** High



**Speed Limit: 15 KM/Hr**  
**Coordinates: 11.47271, 77.13198**



**Risk Type: Roundabout**  
**Risk Level: High**  
**Speed Limit: 15 KM/Hr**  
**Coordinates: 13.31601, 77.09101**



**Risk Type: Roundabout**  
**Risk Level: High**  
**Speed Limit: 15 KM/Hr**  
**Coordinates: 15.14499, 76.92802**





**Risk Type:** U-Turn

**Risk Level:** High

**Speed Limit:** 10 KM/Hr

**Coordinates:** 12.5809748, 77.0327476



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.04106, 77.07756





**Risk Type: Turn**

**Risk Level: Medium**

**Speed Limit: 30 KM/Hr**

**Coordinates: 11.05288, 77.08013**



**Risk Type: Turn**

**Risk Level: High**

**Speed Limit: 15 KM/Hr**

**Coordinates: 11.10925, 77.17641**



**Risk Type: Turn**

**Risk Level: Medium**

**Speed Limit: 30 KM/Hr**

**Coordinates: 11.23212, 77.11181**





**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 11.23535, 77.10304



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.39782, 77.11041





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.43147, 77.13783



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.47295, 77.13062



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.47336, 77.11565





**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 11.47647, 77.11144



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 11.49063, 77.13337





**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.59625, 77.12483



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.60437, 77.12929



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.61029, 77.12624





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.76560, 77.10980



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 11.77501, 77.10325





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.77476, 77.08938



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.78710, 77.06820



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.79535, 77.06371



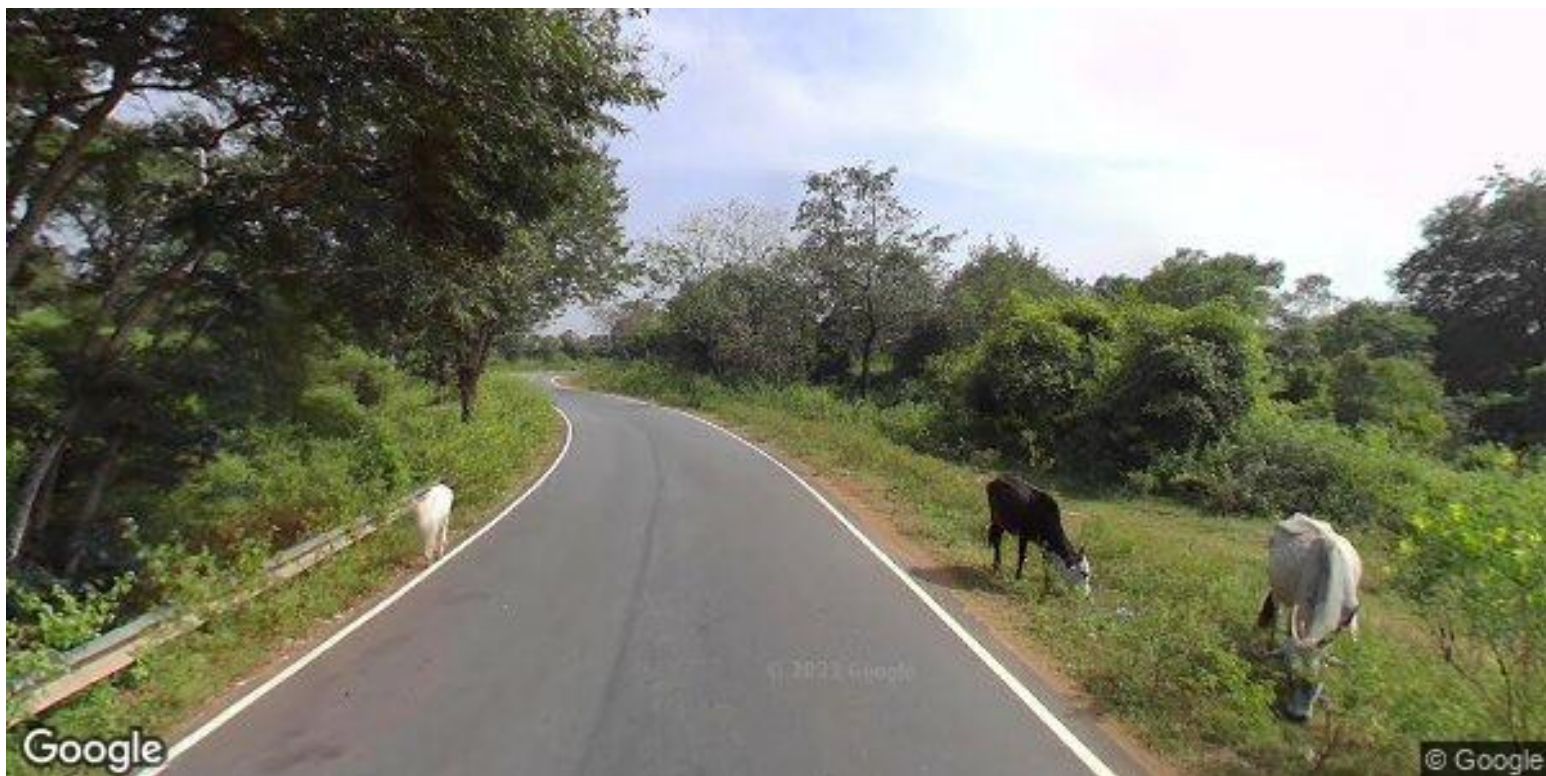


**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.79563, 77.05642



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.80634, 77.04274





**Risk Type:** Blind Spot  
**Risk Level:** Blind Spot  
**Speed Limit:** 10 KM/Hr  
**Coordinates:** 11.81384, 77.00347



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.82868, 77.00764



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.86665, 76.95456





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 11.88257, 76.95613



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 11.91747, 76.92636





**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 11.93574, 76.92641



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 11.94879, 76.93971



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 12.05035, 76.98108





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 12.21675, 76.90657



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 12.22516, 76.90797





**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 12.22816, 76.91306



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 12.24122, 76.90975



**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 12.25426, 76.92775





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 12.34447, 76.94748



**Risk Type:** Blind Spot

**Risk Level:** Blind Spot

**Speed Limit:** 10 KM/Hr

**Coordinates:** 12.35624, 76.94462





**Risk Type:** Blind Spot  
**Risk Level:** Blind Spot  
**Speed Limit:** 10 KM/Hr  
**Coordinates:** 12.38883, 77.05860



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 12.58162, 77.03391



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 12.59291, 77.04936





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 12.76750, 77.06107



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 12.89246, 77.04467





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 13.02924, 77.02631



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 13.04183, 77.02145



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 13.05200, 77.02618





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 13.16760, 77.03319



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 13.25008, 77.08543





**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 13.36653, 77.10312



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 13.71390, 76.91370



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 13.75746, 76.87581





**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 13.92953, 76.63016



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 13.95767, 76.61880





**Risk Type:** Blind Spot  
**Risk Level:** Blind Spot  
**Speed Limit:** 10 KM/Hr  
**Coordinates:** 13.96117, 76.61066



**Risk Type:** Turn  
**Risk Level:** High  
**Speed Limit:** 15 KM/Hr  
**Coordinates:** 13.96150, 76.61428



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 14.27648, 76.65648





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 14.35542, 76.65421



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 14.45345, 76.66633





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 14.46857, 76.67644



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 14.64025, 76.66765



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 14.76359, 76.72249





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 14.80090, 76.73483



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 14.84457, 76.77962





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 14.89065, 76.77939



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 15.14237, 76.92037



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 15.16697, 76.95677





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 15.25321, 77.07744



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 15.38631, 77.22346





**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 15.59118, 77.26454



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 15.63512, 77.24795



**Risk Type:** Turn  
**Risk Level:** Medium  
**Speed Limit:** 30 KM/Hr  
**Coordinates:** 15.68359, 77.22261





**Risk Type:** Turn

**Risk Level:** High

**Speed Limit:** 15 KM/Hr

**Coordinates:** 15.79217, 77.27923



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 15.80120, 77.29956





**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 15.97596, 77.37589



**Risk Type:** Turn

**Risk Level:** Medium

**Speed Limit:** 30 KM/Hr

**Coordinates:** 15.98639, 77.37493

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