

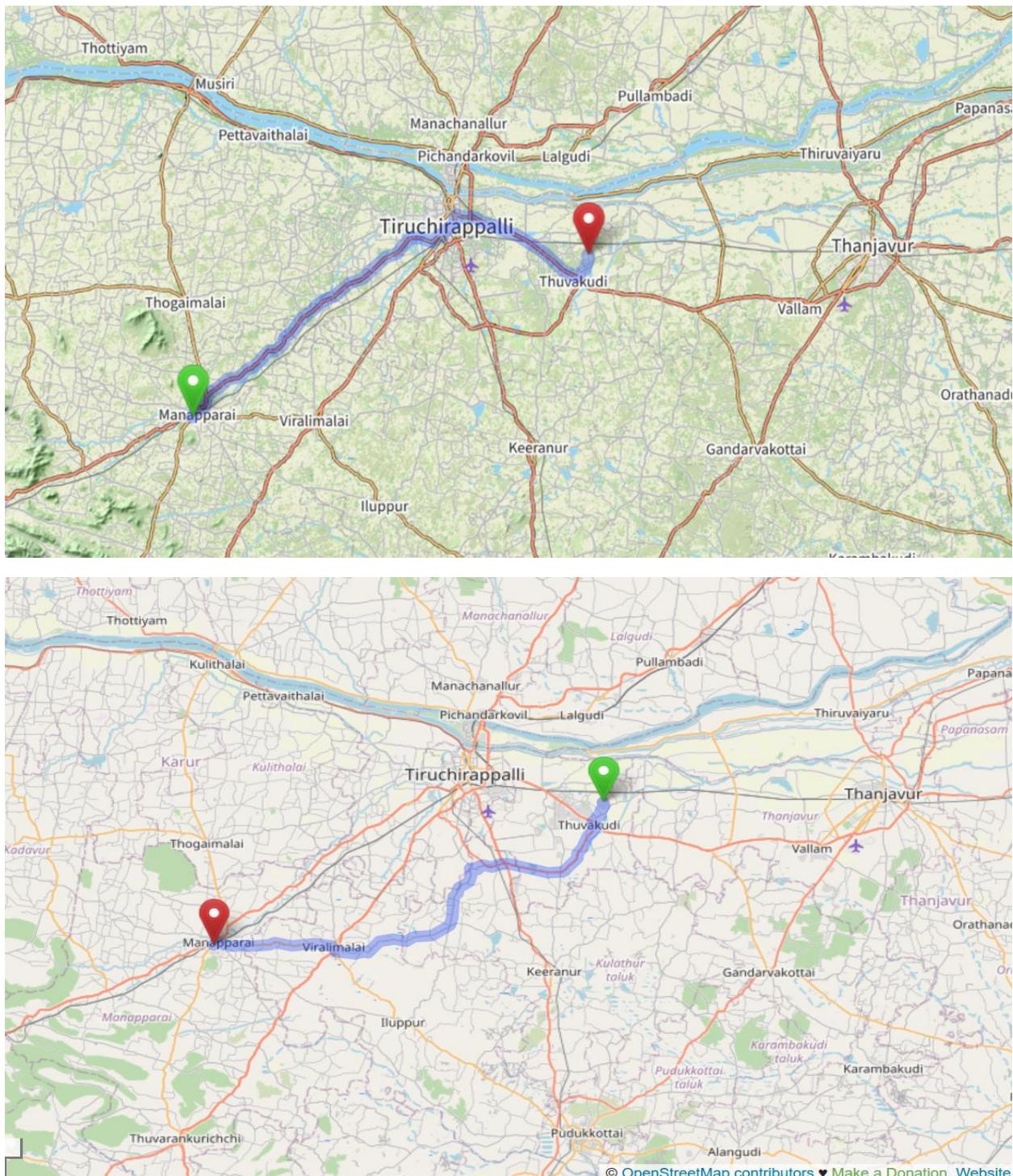
## JOURNEY RISK MANAGEMENT STUDY REPORT



**WELCOME TO JOURNEY RISK  
MANAGEMENT (JRM) STUDY  
USING ARTIFICIAL  
INTELLIGENCE (AI)**  
**FOR IOCL TRICHY TERMINAL**

# JOURNEY RISK MANAGEMENT STUDY REPORT

**IOCL TIRCHY TERMINAL (10.7753, 78.8368) TO SIVAN ENTERPRISES  
(10.604934 , 78.417896), TOTAL DISTANCE -68.20 KM**



# JOURNEY RISK MANAGEMENT STUDY REPORT

## **Welcome to the Journey Risk Management Study for Sivan Enterprises Agencies**

**Total distance: 68.2 km; Start with: (10.7753, 78.8368), End with: (10.35728, 78.98379)**

### **❖ Route Safety Analysis Report**

#### **Overview of the Route Map**

The route from Trichy Terminal (T.N) to Sivan Enterprises . The route passes through several key points including SIDCO Industrial Estate Valavanthankottai, Logesh Fancy & Stationery Stores, Thuvakudi to SIDCO& Indian oil Storage, Markandan Agency onto NH 83 Toll road, U-turn at TNSTC TRICHY RE CONDITIONING UNIT(RC), Police out post onto NH 38/NH83, NH45/NH 83, Pass by Adam's Tea Park & family Restaurant (on the left), Ashwini Hotel onto Dindugal Rd/Manapparai-Kadauoor Main Rd, Madurai Rd/Thuvarankurichi - Manapparai Rd, Coimbatore- Nagapattinam Highway and total distance from Trichy Terminal to Sivan Enterprises is 68.20 km for heavy vehicles carrying hazardous materials.

#### **Typical Weather Conditions and Potential Weather-Related Hazards**

**Weather Conditions:** Trichy Terminal (T.N) to Sivan Enterprises experiences a tropical climate with heavy monsoon rains from June to September, high humidity, and moderate temperatures throughout the year ,The summers are short and sweltering; the winters are short, cool, and dry; and it is mostly clear year-round. Over the course of the year, the temperature typically varies from 60.8°F to 110°F and is rarely below 60.8°F to 110°F.

# JOURNEY RISK MANAGEMENT STUDY REPORT

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Oct	Dec	Year
Record high °C (°F)	33.0 (91.4)	38.0 (100.4)	41.0 (105.8)	43.0 (109.4)	43.0 (109.4)	42.0 (107.6)	40.0 (104.0)	39.0 (102.2)	38.0 (100.4)	37.0 (98.6)	34.0 (93.2)	33.0 (91.4)	43.0 (109.4)
Average high °C (°F)	30.27 (86.49)	32.88 (91.18)	36.0 (96.8)	38.27 (100.89)	38.79 (101.82)	36.78 (98.2)	36.17 (97.11)	35.4 (95.72)	35.03 (95.05)	32.9 (91.22)	30.38 (86.68)	29.34 (84.81)	34.35 (93.83)
Daily mean °C (°F)	26.57 (79.83)	28.67 (83.61)	31.87 (89.37)	34.46 (94.03)	35.18 (95.32)	33.45 (92.21)	32.92 (91.26)	32.18 (89.92)	31.78 (89.2)	29.86 (85.75)	27.44 (81.39)	26.32 (79.38)	30.89 (87.6)
Average low °C (°F)	19.88 (67.78)	20.93 (69.67)	24.04 (75.27)	27.62 (81.72)	28.89 (84.0)	27.59 (81.66)	27.04 (80.67)	26.45 (79.61)	25.95 (78.71)	24.64 (76.35)	22.43 (72.37)	20.93 (69.67)	24.7 (76.46)
Record low °C (°F)	16.0 (60.8)	17.0 (62.6)	19.0 (66.2)	22.0 (71.6)	25.0 (77.0)	25.0 (77.0)	24.0 (75.2)	23.0 (73.4)	22.0 (71.6)	21.0 (69.8)	18.0 (64.4)	17.0 (62.6)	16.0 (60.8)
Average precipitation mm (inches)	12.32 (0.49)	20.82 (0.82)	26.34 (1.04)	57.63 (2.27)	102.32 (4.03)	61.68 (2.43)	63.88 (2.51)	124.75 (4.91)	141.74 (5.58)	231.04 (9.1)	159.62 (6.28)	71.08 (2.8)	89.44 (3.52)
Average precipitation days (≥ 1.0 mm)	3.09	3.27	5.36	7.36	16.73	12.36	13.55	18.91	19.64	22.73	17.55	9.73	12.52
Average relative humidity (%)	72.01	65.19	58.27	53.97	51.56	50.59	51.14	56.11	60.33	70.18	77.39	76.61	61.95
Mean monthly sunshine hours	11.19	11.34	11.34	11.63	12.65	12.68	11.83	11.24	11.05	9.11	7.68	8.29	10.84

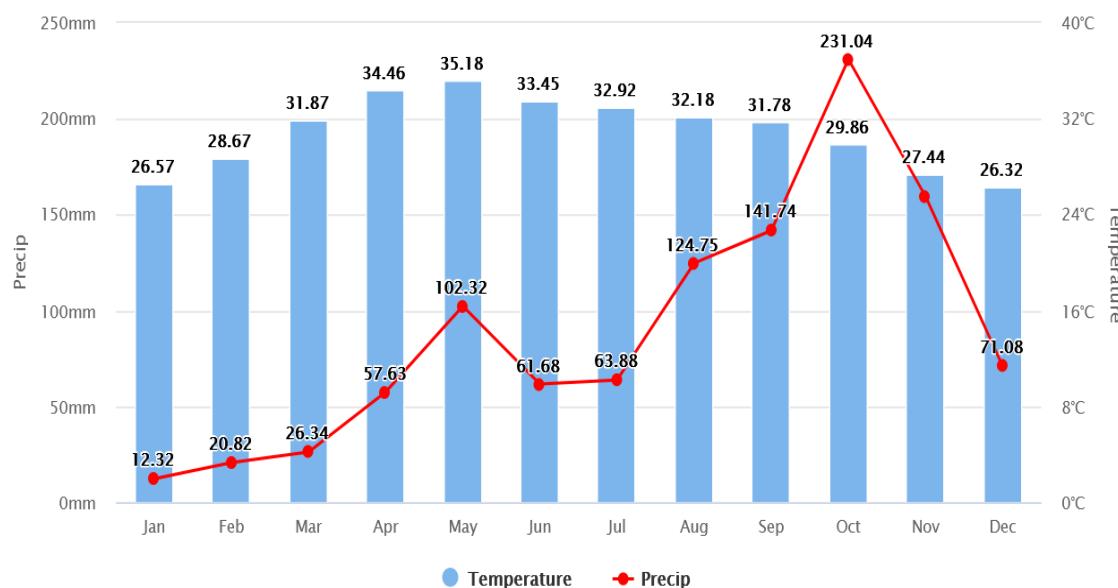
**Weather-Related Hazards:** Trichy Terminal (T.N) To Sivan Enterprises Providing a local hourly weather forecast of rain, sun, wind, humidity and temperature.

The Long-range 12 day forecast also includes detail for weather today. Live weather reports from Trichy Terminal (T.N) To Sivan Enterprises weather stations and weather warnings that include risk of thunder, high UV index and forecast gales.

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## Climate Graph

The chart below shows the mean monthly temperature and precipitation of Tiruchirappalli in recent years.



## Analysis of Traffic Patterns

### Peak Hours:

Typically, Trichy Terminal (T.N) to Sivan Enterprises peak traffic hours are from 8:00 AM to 11:00 AM and 4:00 PM to 9:00 PM on weekdays.

### Congestion-Prone Areas:

- Thirumalai Tea Stall
- Karur Vysya Bank
- AK Thangamaligai Manapparai
- Sri Muthumari Amman Thirukovil
- Manavi Circle
- Mala Residency
- Meenatchi Bhawan
- Maharaja Residency
- Bharat Petroleum Petrol Pump , T.RAJAGOPAL IYENGAR & SON
- Hotel Sri Murugappa Manapparai
- Green Super market
- Rmans Mahal

# JOURNEY RISK MANAGEMENT STUDY REPORT

- Manapparai Cow Market
- MAHIMAI MOTORS - YAMAHA SHOWROOM
- Panjapur Ring Road Junction
- Thivakudi Toll
- Thuvakudi Ring Road Junction

## ❖ **Assessment of Road Quality and Infrastructure**

**Road Quality:** Generally, the roads are well-maintained but can suffer from potholes and waterlogging on State Highway during the monsoon season.

**Infrastructure:** Adequate signage, street lighting, and traffic signals are present, but some areas may lack proper drainage systems, leading to waterlogging.

## ❖ **Suggestions for Alternative Routes for Emergencies**

**Alternative Route 1:** Thuvakudi to SIDCO & Indian oil Storage, Markandan Agency onto NH 83 Toll road, U-turn at TNSTC TRICHY RE CONDITIONING UNIT(RC), Dindugal Rd/Manapparai-Kadauoor Main Rd, Madurai Rd/Thuvarankurichi - Manapparai Rd.

**Alternative Route 2:** Kulithalai -Manapparai Rd, Vadakkada – Alangudi Rd, Rannathpuram Rd, NH83/service Road, Trichy – Tanjore Road.

## **Summary of Local Regulations Affecting Hazardous Material Transport**

**Regulations:** Transport of hazardous materials is regulated by the Petroleum and Explosives Safety Organization (PESO) and the Motor Vehicles Act. Specific routes and timings may be restricted for hazardous material transport.

**Permits:** Ensure all necessary permits and documentation are in place.

## ❖ **Overview of Historical Incidents**

**Historical Incidents:** There have been occasional incidents involving heavy vehicles, particularly during the monsoon season due to waterlogging and poor visibility. No major incidents involving hazardous materials have been reported recently.

# JOURNEY RISK MANAGEMENT STUDY REPORT

## ❖ Environmental Considerations and Sensitive Areas

- **Sensitive Areas:** Thirumalai Tea Stall , Karur Vysya Bank, AK Thangamaligai Manapparai, Sri Muthumari Amman Thirukovil, Manavi Circle, Mala Residency, Meenatchi Bhawan, Maharaja Residency
- **Educational institutions:** - Irrigation Management Training Institute, State Institute Of Hotel Management and Catering Technology, Government Polytechnic College, Srirangam,Sethurappatti, Fathima Nagar, Vikas Collage of Arts and Science, Karthikeya Polytechnic College and Many colleges, universities and school in between Trichy Terminal (T.N) To Sorna Agencies I.E Trichy High School, Girls Senior Secondary School .
- **Hospital:** - Sugam Hospital - Dr S Suresh MD, Vikas Collage of Arts and Science, and Government Hospitals
- **Gas Station:** - IOCL Petrol pump Aalipatti, IOCL petrol pump Byepass Road, Manapparai, Kannudayanpatti, IOCL Petrol pump S No 376, 2, Dindigul Highway, near LPG Bottling Plant, Inamkulathur, Dindigul, HPCL PETROL BUNK - SRI AMMAN FUEL AGENCY, IOCL Petrol Pump Lock No 631, Manikandam, Tiruchirappalli. IOCL Petrol Pump No 3, Panjapur Nagamangalam, NH 45B Velan Thottam K Kallikudi, Craw Ford Col, Manikandam, Reliance Manikandam, GO GAS QM32+39J, Panjappur, BPCL Panjappur, Tiruchirappalli, NH-45B, Trichy Madurai Highway, Trichy, Tiruchirapalli, SREE KRISHNA AGENICES, HP Petrol pump + CNG Bunk
- **Environmental Impact:** Minimize noise and air pollution, especially in residential and sensitive areas.

**Air pollution:** Volatile chemicals evaporate during the filling and discharge process, or from leaks.

- **Loss of habitats:** Oil and gas operations can degrade animal habitats and disrupt migratory pathways.
- **Oil spills:** Oil spills can be devastating for animals and humans.
- **Greenhouse gas emissions:** Oil and gas operations can emit greenhouse gases like methane.

## ❖ Analysis of Communication Coverage

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Communication Coverage: Generally good throughout the route, but potential dead zones may exist densely built-up areas or underpasses.

Dead Zones: Monitor for any communication blackouts, especially in underpasses or near large buildings.

## ❖ Estimated Emergency Response Times

Thirumalai Tea Stall , Karur Vysya Bank, AK Thangamaligai Manapparai, Sri Muthumari Amman Thirukovil, Manavi Circle, Mala Residency , Meenatchi Bhawan, Maharaja Residency, Bharat Petroleum Petrol Pump , T.RAJAGOPAL IYENGAR & SON, Hotel Sri Murugappa Manapparai areas like have quicker response times (15- 20 minutes)

Womens SIDCO Industrial Park, TRICHY REFRactories, P.selvamani Madhu's Mahal ValaVanthankottai areas like have quicker response times (15- 20 minutes)

Congested areas may experience delays (up to 30-40 minutes).

## ❖ Overall Summary of Risk Assessment

- **Risk Level:** Moderate to High, especially during monsoon season.
- **Key Risks:** Waterlogging, traffic congestion, and potential communication dead zones.
- **Mitigation Measures:** Plan travel during non-peak hours, ensure proper vehicle maintenance, and have alternative routes and emergency contacts ready and control on the speed limit of the vehicle.

## ❖ Road Signage for TT/PT Driver

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## Road Traffic Signs in India

### Mandatory/Regulatory Signs

			
Stop	Give way	No entry	Straight prohibited
			
One way	One way	Vehicles prohibited in both directions	Horn prohibited
			
Pedestrians prohibited	Cycles prohibited	Right turn prohibited	Left turn prohibited
			
U-turn prohibited	Overtaking prohibited	Trucks prohibited	Tonga prohibited

# JOURNEY RISK MANAGEMENT STUDY REPORT

			
All motor vehicles prohibited	Hand cart prohibited	Bullock cart prohibited	Bullock and hand carts prohibited
			
No parking	No parking or stopping	Speed limit	Axle load limit
			
Width limit	Weight limit	Length limit	Load limit
	Restriction ends		

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## Cautionary signs

			
Right hand curve	Left hand curve	Right hand pin bend	Left hand pin bend
			
Right reverse bend	Narrow bridge	Gap in median	Cycle crossing
			
Pedestrian crossing	School	Men at work	Roundabout
			
Narrow road	Road widens	Side road left	Side road right

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## Information signs

Advance direction	Map type advance direction	Rotary intersection	Reassurance
Direction	Direction	Place identification	Truck lay bay
Toll booth ahead	Parking this side	Parking both sides	Cycle stand
Scooter and motor cycle stand	Taxi stand	Auto-rickshaw stand	Cycle-rickshaw stand
Public telephone	Filling station	Hospital	First aid post

## Conclusion

The route for Trichy Terminal (T.N) to SIVAN ENTERPRISES , City-MANAPARAI, State-TN is generally manageable but poses several risks, particularly during the monsoon season. Proper planning, adherence to regulations, and awareness of potential hazards can significantly mitigate these risks.

# JOURNEY RISK MANAGEMENT STUDY REPORT

## ❖ Risk Assessment - Sharp Turns

<b>Risk Type</b>	<b>Risk Level</b>	<b>Coordination</b>	<b>Distance From Start</b>	<b>Recommendation Speed</b>
Sharp turn	Medium	10.75826994715787, 78.83326651420096	2.0 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.756715887788083, 78.83021887801165	2.4 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.751302465260789, 78.82527380728716	3.2 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.750307701965173, 78.82832678223028	3.6 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.749169660483313, 78.83086595349192	3.9 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.730801241545027, 78.81876421912196	6.3 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.707684883090641, 78.80790073860112	9.1 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.692121284464921, 78.79367071643559	11.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.701959474295487, 78.7318164898981	18.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.697331232469807, 78.713823479486	20.5 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.724409480793417, 78.68673230766052	24.8 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.73888374814383, 78.68225059068071	26.5 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.742960945159615, 78.6798914362882	27.1 KM	10 km/hr TO 20 Km/Hr
Sharp turn	Medium	10.748042527178717, 78.67273590248926	28 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.75438694906606, 78.6662268755092	29.1 KM	20km/hr TO 30 Km/Hr

# JOURNEY RISK MANAGEMENT STUDY REPORT

Sharp turn	Medium	10.759320830253554, 78.65977557378794	30.1 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.736611943692678, 78.63468242630982	33.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.728096799775422, 78.63174082151609	34.9 KM	10km/hr TO 20 Km/Hr
Sharp turn	High	10.728081280479934, 78.63169355038644	34.9 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.736760846752857, 78.6345738723341	35.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.739680081317179, 78.6344112428024	36.3 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.74489823070153, 78.6333388938736	36.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.744939218315286, 78.62975828065873	37.3 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.747901176153153, 78.62016607394331	38.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.751990126824074, 78.61266513520374	39.4 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.758197398154147, 78.60917800507742	40.2 KM	10km/hr TO 20 Km/Hr
Sharp turn	Medium	10.743599843270898, 78.58366691466084	43.6 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.682312352002066, 78.51464481833287	54.4 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.673838693320956, 78.50459758565705	55.4 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.673573027127818, 78.49797105070114	56.2 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.656251020120642, 78.48096680052996	58.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.645963337825492, 78.46627102916706	60.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.625759253720217, 78.43227453528326	65.5 KM	20km/hr TO 30 Km/Hr

# JOURNEY RISK MANAGEMENT STUDY REPORT

Sharp turn	Medium	10.619336883333427, 78.43259577648665	66 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.615781439845392, 78.43023500964023	66.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.61126314489918, 78.41931198201307	67.8 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.605954802571658, 78.41892375775498	70.2 KM	10km/hr TO 20 Km/Hr
Sharp turn	High	10.60464864266066, 78.41805854361954	70.4 KM	10km/hr TO 20 Km/Hr

## ❖ Risk Assessment - Elevation Changes

Risk Type	Specific Risk	Risk Level	Coordination	Elevation Change	Gradient	Recommendation Speed
Elevation Change	Descent	Low	10.7753, 78.8368	1.02m	2.46%	40 km/hr to 50 km/hr
Elevation Change	Descent	Low	10.604934, 78.417896	1.02m	2.46%	40 km/hr to 50 km/hr

# JOURNEY RISK MANAGEMENT STUDY REPORT

## ❖ Risk Assessment – Key Location:

Sr No	Location	Lat, lon.
1	Hall/Hotel	10.757627679523425, 78.83287045929539
2	OLD Burma Colony	10.75810448259808, 78.83342945889828
3	School/College	10.751940259658717, 78.824855152166
4	School/College	10.751244043943656, 78.82964545444308
5	Bank	10.749935829138195, 78.8268757083185
6	Toll Plaza	10.739223590189045, 78.82491390378034
7	Hotel/Restaurant	10.701444574062581, 78.73129207330703
8	School/College	10.703678000471413, 78.73189375630369
9	Hostel	10.72417231487581, 78.68718618406425
10	BPC Retail Outlet	10.758181036689974, 78.65598357301882
11	School/College	10.74008121723329, 78.6379129330532
12	IOCL Retail Outlet	10.733112284745776, 78.63240994992489
13	School/College	10.751575145484235, 78.614060731372
14	School/College	10.75066744861209, 78.59905450362704
15	Temple	10.746887750005037, 78.59479570906672
16	School/College	10.720295382587906, 78.55149351755783
17	IOCL Retail Outlet	10.710207607228426, 78.53753206431443
18	IOCL LPG Bottling Plant	10.707624098893909, 78.53612845795988
19	ESSAR Petrol Pump	10.676876960685677, 78.5083325274308
20	Dairy	10.655209313280023, 78.47786068494291
21	Bank	10.638480473093344, 78.44810155282683
22	IOCL Retail Outlet	10.635808318189218, 78.4456274984975
23	BPCL Retail Outlet	10.607172101131809, 78.41180072584812
24	Residency	10.605861306601657, 78.41756933692223
25	Hospital	10.604756406613477, 78.41842529840494

# JOURNEY RISK MANAGEMENT STUDY REPORT

**IOCL TIRCHY TERMINAL (10.7753, 78.8368) TO SIVAN ENTERPRISES  
(10.604934, 78.417896), TOTAL DISTANCE -68.20 KM**



IMAGE: SHARP TURN RISK LEVEL:- MEDIUM, COORDI. 10.75826994715787, 78.83326651420096



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI. 10.756715887788083, 78.83021887801165

# JOURNEY RISK MANAGEMENT STUDY REPORT



**IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI. 10.751302465260789, 78.82527380728716**

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI. 10.750307701965173, 78.82832678223028



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI. 10.750307701965173, 78.82832678223028

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.730801241545027, 78.81876421912196



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.707684883090641, 78.80790073860112

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.692121284464921, 78.79367071643559



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.701959474295487, 78.7318164898981

ALARP SERVICES/JRM/TNSO/SIVAN

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.697331232469807, 78.713823479486

# JOURNEY RISK MANAGEMENT STUDY REPORT



**IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.724409480793417, 78.68673230766052**

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.73888374814383, 78.68225059068071



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.742960945159615, 78.6798914362882

# JOURNEY RISK MANAGEMENT STUDY REPORT



**IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.748042527178717, 78.67273590248926**



# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.75438694906606, 78.6662268755092



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.759320830253554, 78.65977557378794

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - HIGH, COORDI 10.728096799775422, 78.63174082151609



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.736760846752857, 78.6345738723341

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.739680081317179, 78.6344112428024



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.74489823070153, 78.6333388938736

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.744939218315286, 78.62975828065873



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.747901176153153, 78.62016607394331

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.751990126824074, 78.61266513520374



# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.645963337825492, 78.46627102916706



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.625759253720217, 78.43227453528326

# JOURNEY RISK MANAGEMENT STUDY REPORT



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.605954802571658, 78.41892375775498



IMAGE: SHARP TURN RISK LEVEL: - MEDIUM, COORDI 10.60464864266066, 78.41805854361954