

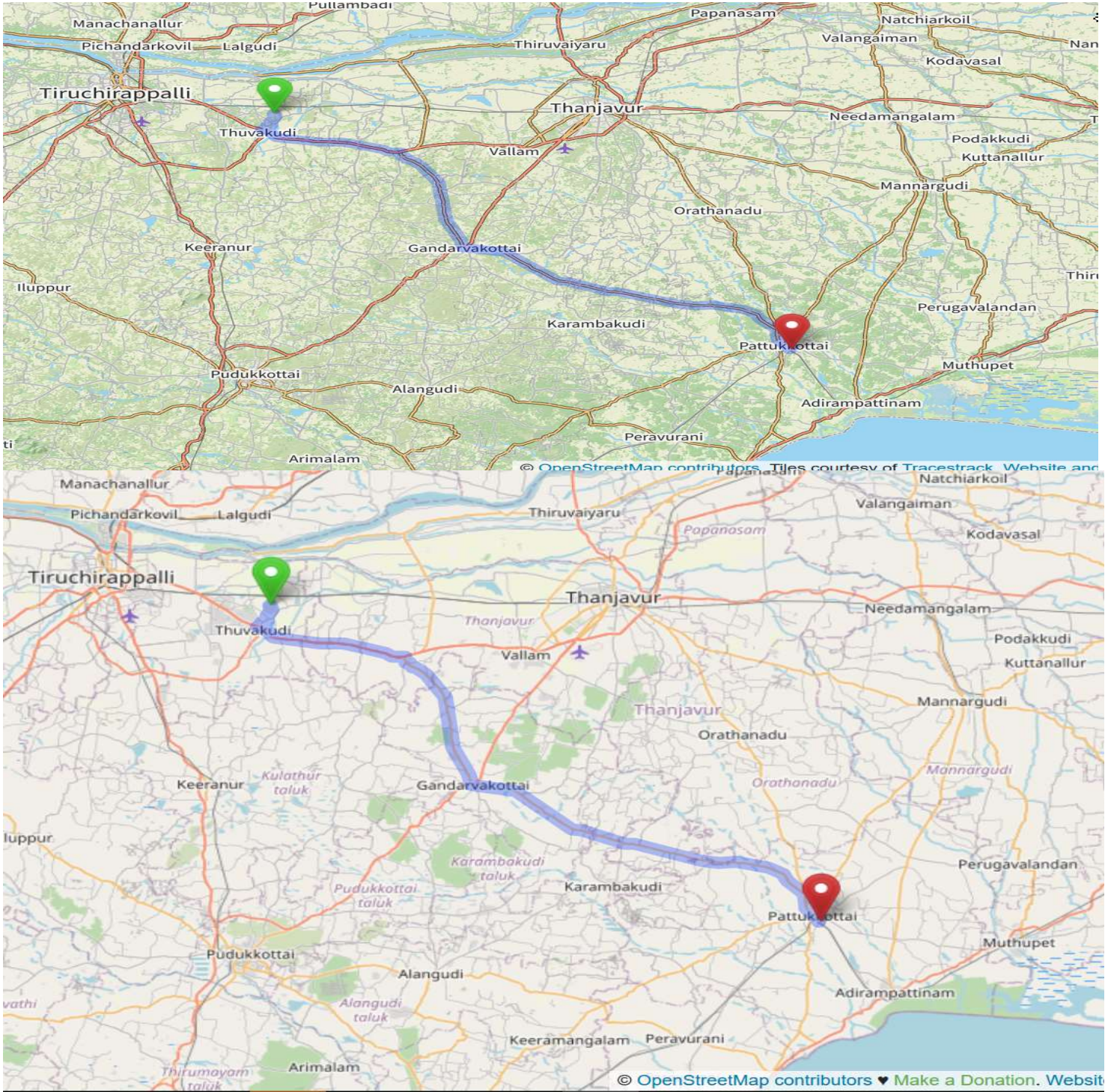


**IndianOil**

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

# JOURNEY RISK MANAGEMENT REPORT

**IOCL TIRCHY TERMINAL (10.7753, 78.8368) TO KANNAPPA AUTO SERVICE (10.419159, 79.319237) TOTAL DISTANCE – 77KM**



**ALARP/JRM/TNSO/KANNAPPA AUTO SERVICE**

# JOURNEY RISK MANAGEMENT REPORT

ALARP/JRM/TNSO/KANNAPPA AUTO SERVICE



# **JOURNEY RISK MANAGEMENT REPORT**

## **Welcome to the Journey Risk Management Study for KANNAPPA AUTO SERVICE**

**Total distance: 77km; Start with: (10.7753 , 78.8368), End with: (10.399969 , 79.384056)**

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

#### **1. Overview of the Route Map**

The route from Trichy Terminal (T.N) TO KANNAPPA AUTO SERVICE -via NH 83 and Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd. Turn right onto Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi- Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd, Continue on Pattukkottai Bypass Rd. Drive to MDR343 in Thuvarankurichi North, Thuvarankurichi, and Total distance from Trichy Terminal To KANNAPPA AUTO SERVICE is 77km for heavy vehicles carrying hazardous materials.

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

**Weather Conditions:** Trichy Terminal (T.N) To KANNAPPA AUTO SERVICE 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 REPORT

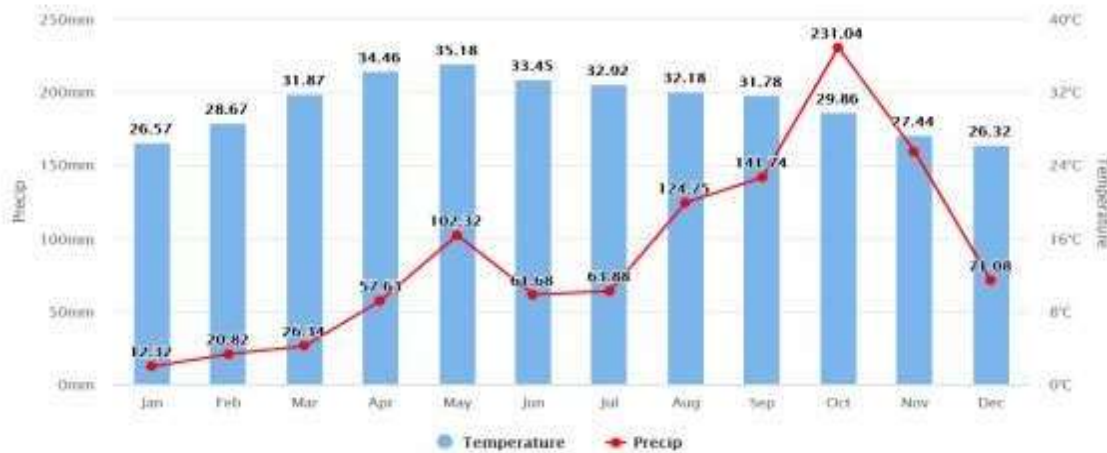
| Month                                 | Jan              | Feb              | Mar              | Apr               | May               | Jun              | Jul              | Aug              | Sep              | Nov              | Oct              | Dec              | Year             |
|---------------------------------------|------------------|------------------|------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Record high °C (°F)                   | 33.0<br>(91.4)   | 36.0<br>(100.4)  | 41.0<br>(105.8)  | 43.0<br>(109.4)   | 43.0<br>(109.4)   | 42.0<br>(107.6)  | 40.0<br>(104.0)  | 39.0<br>(102.2)  | 38.0<br>(100.4)  | 37.0<br>(98.6)   | 34.0<br>(93.2)   | 33.0<br>(91.4)   | 43.0<br>(109.4)  |
| Average high °C (°F)                  | 30.27<br>(86.49) | 32.88<br>(91.18) | 36.0<br>(96.8)   | 38.27<br>(100.89) | 38.79<br>(101.82) | 36.78<br>(98.2)  | 36.17<br>(97.11) | 35.4<br>(95.72)  | 35.83<br>(95.05) | 32.9<br>(91.22)  | 30.38<br>(86.68) | 29.34<br>(84.81) | 34.35<br>(93.83) |
| Daily mean °C (°F)                    | 26.57<br>(79.83) | 28.67<br>(83.61) | 31.87<br>(89.37) | 34.46<br>(94.03)  | 35.18<br>(95.32)  | 33.45<br>(92.21) | 32.92<br>(91.26) | 32.18<br>(89.92) | 31.78<br>(89.2)  | 29.86<br>(85.75) | 27.44<br>(81.39) | 26.32<br>(79.38) | 30.89<br>(87.6)  |
| Average low °C (°F)                   | 19.88<br>(67.78) | 20.93<br>(69.67) | 24.04<br>(75.27) | 27.62<br>(81.72)  | 28.89<br>(84.0)   | 27.59<br>(81.66) | 27.04<br>(80.67) | 26.45<br>(79.61) | 25.95<br>(78.71) | 24.64<br>(76.35) | 22.43<br>(72.37) | 20.93<br>(69.67) | 24.7<br>(76.46)  |
| Record low °C (°F)                    | 16.0<br>(60.8)   | 17.0<br>(62.6)   | 19.0<br>(66.2)   | 22.0<br>(71.6)    | 25.0<br>(77.0)    | 25.0<br>(77.0)   | 24.0<br>(75.2)   | 23.0<br>(73.4)   | 22.0<br>(71.6)   | 21.0<br>(69.8)   | 18.0<br>(64.4)   | 17.0<br>(62.6)   | 16.0<br>(60.8)   |
| Average precipitation mm (inches)     | 12.32<br>(0.49)  | 20.82<br>(0.82)  | 26.34<br>(1.04)  | 57.63<br>(2.27)   | 102.32<br>(4.03)  | 61.68<br>(2.43)  | 63.88<br>(2.51)  | 124.75<br>(4.91) | 141.74<br>(5.58) | 231.04<br>(9.1)  | 159.62<br>(6.28) | 71.08<br>(2.8)   | 89.44<br>(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 KANNAPPA AUTO SERVICE 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 KANNAPPA AUTO SERVICE weather stations and weather warnings that include risk of thunder, high UV index and forecast gales.

### Climate Graph

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



## **Analysis of Traffic Patterns**

### **Peak Hours:**

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## **JOURNEY RISK MANAGEMENT REPORT**

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

### **Congestion-Prone Areas:**

- TIRUCHY PUBLIC SCHOOL
- Gnanam School of Business
- Ponnaiyah Ramajayam Institute of Science & Technology
- Blossom Bluebells Academy School (CBSE Syllabus)
- Dr.M.S. Swaminathan Agricultural College and Research Institute,ECK
- MMA School
- Sugalaya Varmakalai Treatment Center
- Meenakshi Chandrasekaran College of Arts and Science(women)

### **❖ 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- ). via NH 83 and Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd.**

Turn right onto Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd, Continue on Pattukkottai Bypass Rd. Drive to MDR343 in Thuvarankurichi North, Thuvarankurichi.

## **JOURNEY RISK MANAGEMENT REPORT**

**Alternative Route 2 -) via NH 83, Vallam Rd and Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd,**

### **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.

### **❖ Environmental Considerations and Sensitive Areas**

- **Sensitive Areas:** TIRUCHY PUBLIC SCHOOL, Wonder World Theme Park,, Ponnaiyah Ramajayam Institute of Science & Technology, Blossom Bluebells Academy School (CBSE Syllabus), Dr.M.S. Swaminathan Agricultural College and Research Institute, ECK, MMA School.
- **Educational institutions:** Arasu Education - Jcb Institute in Trichy, Chanakya share market training Institute, Adaikalamatha Institute of Teacher Education, National Institute of Food Technology, Entrepreneurship and.
- **Hospital:** - Dr Kamali's Home Clinic, Meenakshi Hospital, Sivapreethi Hospital, Sugalaya Varmakalai Treatment Center.
- **Gas Station:** Jagdish filling station, Nayara Petrol Pump, Indianoil S.Ashok kumar, BPCL Masiya Fuels, Gayatri Agency .
- **Environmental Impact:** Minimize noise and air pollution, especially in residential and sensitive areas.

## **JOURNEY RISK MANAGEMENT REPORT**

- **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**
- **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:**  
TIRUCHY PUBLIC SCHOOL ,Wonder World Theme Park, Ponnaiyah Ramajayam Institute of Science & Technology, Blossom Bluebells Academy School (CBSE Syllabus),Dr.M.S. Swaminathan Agricultural College and Research Institute, ECK MMA School. 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**








# JOURNEY RISK MANAGEMENT REPORT

## Road Traffic Signs in India

### Mandatory/Regulatory Signs
















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

## JOURNEY RISK MANAGEMENT REPORT

|  |   |   |  |
|--|---|---|--|
|  <p>All motor vehicles prohibited</p> |  <p>Hand cart prohibited</p>   |  <p>Bullock cart prohibited</p> |  <p>Bullock and hand carts prohibited</p> |
|  <p>No parking</p>                    |  <p>No parking or stopping</p> |  <p>Speed limit</p>             |  <p>Axle load limit</p>                   |
|  <p>Width limit</p>                 |  <p>Weight limit</p>         |  <p>Length limit</p>          |  <p>Load limit</p>                      |
|  <p>Restriction ands</p>            |   |   |  |

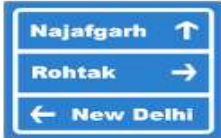

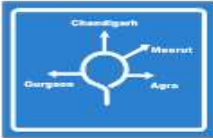
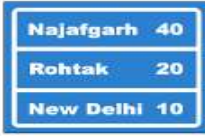
















## JOURNEY RISK MANAGEMENT REPORT

### 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   |

# JOURNEY RISK MANAGEMENT REPORT

## 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 KANNAPPA AUTO SERVICE 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 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            | 10.769517372474736,<br>78.83735063199906 | 650 M                      | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.76584461192607,<br>78.8361700257199   | 1.1 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.764182189802032,<br>78.83459588401435 | 1.3 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.75826698538096,<br>78.83349398474651  | 2 KM                       | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.756372549032195,<br>78.83034570133539 | 2.4 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | High              | 10.751346435623256,<br>78.8252297405902  | 3.2 KM                     | 10km/hr TO 15 Km/Hr         |
| Sharp turn       | High              | 10.749451955814655,<br>78.83046376176118 | 3.8 KM                     | 10km/hr TO 15 Km/Hr         |
| Sharp turn       | Medium            | 10.739322086318483,<br>78.83809834927386 | 5.2 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.73638358720799,<br>78.85765706064745  | 7.4 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.732981078965743,<br>78.87520874109956 | 9.4 KM                     | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.732865083664377,<br>78.88929730997383 | 10.9 KM                    | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.730622499591515,<br>78.90775412216747 | 12.9 KM                    | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.720904924338443,<br>78.93805787452602 | 16.4 KM                    | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.71823691532396,<br>78.94246547130157  | 17 KM                      | 20km/hr TO 30 Km/Hr         |
| Sharp turn       | Medium            | 10.71690507655357,<br>78.94798176089265  | 17.6 KM                    | 20km/hr TO 30 Km/Hr         |

## JOURNEY RISK MANAGEMENT REPORT

|            |        |  |         |                        |
|------------|--------|--|---------|------------------------|
| Sharp turn | Medium | 10.717137481731783,<br>78.95400634061058 | 18.3 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.724822618517969,<br>78.9767159328364  | 20.9 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.729882461351261,<br>79.00023354091847 | 23.6 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.730894419758593,<br>79.01997459879757 | 25.8 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.730388440978299,<br>79.02701271508492 | 26.5 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.72785853437635,<br>79.03593910647373  | 27.5 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.727084939556493,<br>79.06554150725997 | 30.8 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.723822902909419,<br>79.06929459251997 | 31.3 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.72091540581739,<br>79.06756239932304  | 31.7 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.721908212843593,<br>79.07066591213419 | 32.1 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.715809489668976,<br>79.06922241780342 | 32.8 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.715242160336519,<br>79.07095461100035 | 33 KM   | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.703469836629056,<br>79.08798784468142 | 35.3 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.696448775454964,<br>79.09794795556375 | 36.7 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.695502569729664,<br>79.10318339482231 | 37.2 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.694130913553563,<br>79.10561105323868 | 37.5 KM | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.681487529695021,<br>79.12824896855714 | 40.4 KM | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.67695486776632,<br>79.1337718914544   | 41.2 KM | 20km/hr TO 30<br>Km/Hr |

## JOURNEY RISK MANAGEMENT REPORT

|            |        |  |         |                     |
|------------|--------|--|---------|---------------------|
| Sharp turn | Medium | 10.67399171404084,<br>79.14020364483756  | 42 KM   | 20km/hr TO 30 Km/Hr |
| Sharp turn | High   | 10.67005536178023,<br>79.14845768345319  | 43 KM   | 10km/hr TO 15 Km/Hr |
| Sharp turn | High   | 10.654428733549738,<br>79.16836448268437 | 45.8 KM | 10km/hr TO 15 Km/Hr |
| Sharp turn | Medium | 10.652221854896029,<br>79.17540469243615 | 46.6 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.650492128115856,<br>79.18469048587875 | 47.6 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.647688756813132,<br>79.1868753787529  | 48 KM   | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.646197591437373,<br>79.19094170660031 | 48.5 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.642678412119103,<br>79.2064180294603  | 50.2 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.644467830353127,<br>79.21588589728412 | 51.3 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | High   | 10.644987886203523,<br>79.21863195462178 | 51.6 KM | 10km/hr TO 15 Km/Hr |
| Sharp turn | Medium | 10.644749298119521,<br>79.23222684175344 | 53.1 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.64528612104593,<br>79.23799253049232  | 53.7 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.634609131813274,<br>79.24782454730857 | 55.3 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.620710591849507,<br>79.24758178157975 | 56.9 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.614566400591388,<br>79.2504949716794  | 57.6 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | High   | 10.612955766919104,<br>79.25480406536846 | 58.1 KM | 10km/hr TO 15 Km/Hr |
| Sharp turn | Medium | 10.613194379850361,<br>79.25765656400769 | 58.4 KM | 20km/hr TO 30 Km/Hr |
| Sharp turn | Medium | 10.606356045215447,<br>79.26178068181336 | 59.3 KM | 20km/hr TO 30 Km/Hr |

## **JOURNEY RISK MANAGEMENT REPORT**

|            |        |  |          |                        |
|------------|--------|--|----------|------------------------|
| Sharp turn | Medium | 10.604864678000341,<br>79.2614165330509  | 59.5 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.599674663282858,<br>79.26590770124272 | 60.2 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.587623945432698,<br>79.26687876460927 | 61.6 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.577564156151789,<br>79.26661048804998 | 62.8 KM  | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.564071436487005,<br>79.27114295850889 | 64.3 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.544242460468135,<br>79.28135681019415 | 66.8 KM  | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | Medium | 10.544242460468135,<br>79.29105567776085 | 67.9 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | Medium | 10.545339415945685,<br>79.29697799512458 | 68.5 KM  | 20km/hr TO 30<br>Km/Hr |
| Sharp turn | High   | 10.550064717918724,<br>79.30650520131842 | 69.7 KM  | 10km/hr TO 15<br>Km/Hr |
| Sharp turn | High   | 10.491257310473884,<br>79.29853818515302 | 73. 0 KM | 10km/hr TO 15<br>Km/Hr |



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**10.769073692604486, 78.83720120889187**



**10.764113439530249, 78.83446118711721**

**ALARP/JRM/TNSO/KANNAPPA AUTO SERVICE**

## JOURNEY RISK MANAGEMENT REPORT



10.758209570013967, 78.83344387884853



10.751314343624747, 78.82530656733346

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## JOURNEY RISK MANAGEMENT REPORT



10.75126610223314, 78.82518044583597



10.749591316479634, 78.83018387464983

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## JOURNEY RISK MANAGEMENT REPORT



10.739318685033433, 78.8379420178455



10.735064036857814, 78.86553394452655

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## JOURNEY RISK MANAGEMENT REPORT



10.72580557887016, 79.0641504304304



10.721070762434657, 79.06770763454654

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## JOURNEY RISK MANAGEMENT REPORT



10.721721269051843, 79.07032492179873



10.715856047911897, 79.06925965827192

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## JOURNEY RISK MANAGEMENT REPORT



10.645338366462365, 79.2350894341454



10.61312680226564, 79.255443411729

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## JOURNEY RISK MANAGEMENT REPORT



10.605700689381077, 79.26145932867404



10.544054693387439, 79.28156554890528

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## JOURNEY RISK MANAGEMENT REPORT



10.435606920027084, 79.3310542197561



10.40562615771467, 79.35654026186128

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## JOURNEY RISK MANAGEMENT REPORT



10.399951058474931, 79.3837085094

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