

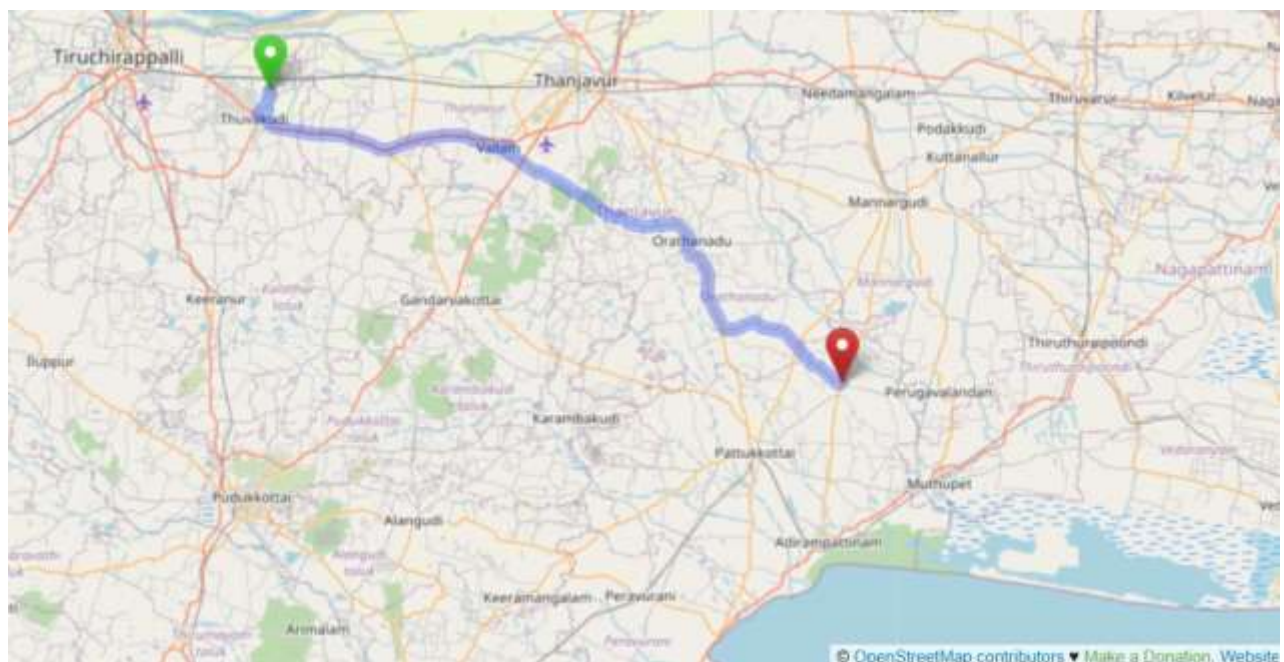
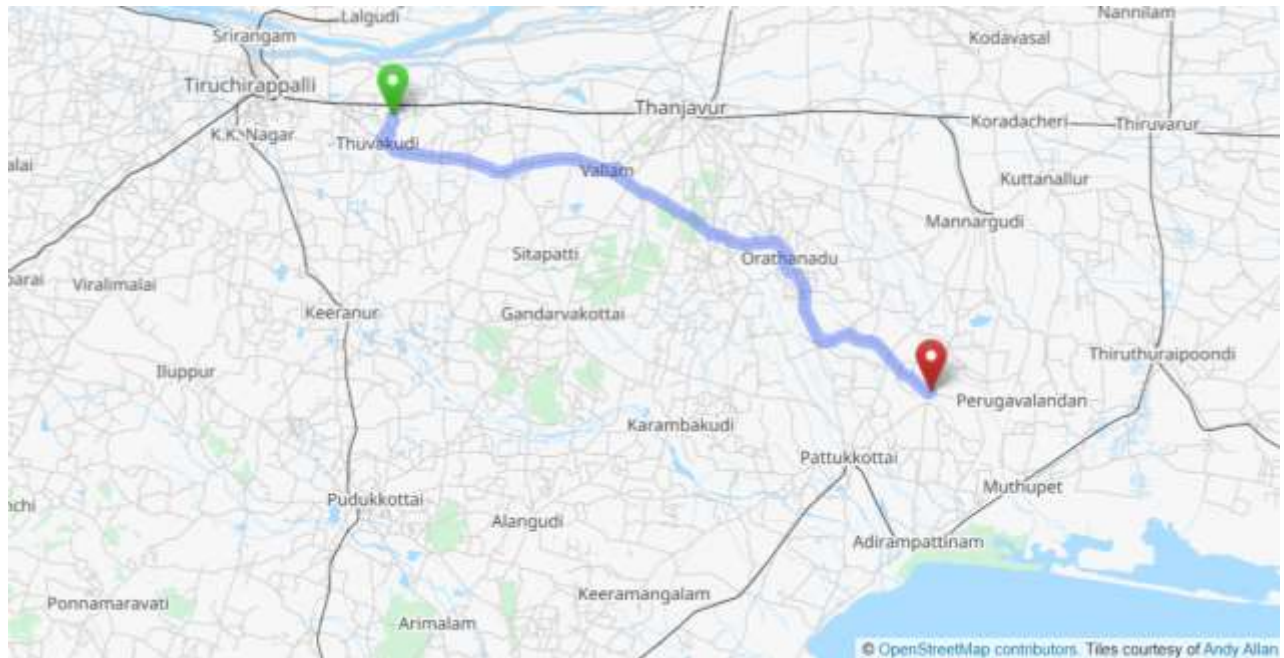


**IndianOil**

**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 SRI VEERANAR FUELS (10.491921, 79.397705) TOTAL DISTANCE – 82.3 KM**



**ALARP/JRM/TNSO/SRIVEERANAR**

# JOURNEY RISK MANAGEMENT REPORT

## **Welcome to the Journey Risk Management Study for SRI VEERANAR FUELS**

Total distance: 82.3 km; Start with: (10.7753 , 78.8368), End with: (10.491921 , 79.397705)

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

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

The route from Trichy Terminal (T.N) TO SRI VEERANAR FUELS- Take SIDCO to Indian oil Storage to NH 83 in Thuvakudi, Follow NH 83 to Vallam. Exit from NH 83, Follow Vallam Rd to Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukkottai Rd/Thanjavur - Pattukkottai Rd in Thennamanadu North, Turn right onto Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukkottai Rd/Thanjavur - Pattukkottai Rd, Turn left onto Pappanadu Rd/Pappanadu-Madukkur Rd, and Total distance from Trichy Terminal To SRI VEERANAR FUELS is 82.3 km for heavy vehicles carrying hazardous materials.

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

**Weather Conditions:** Trichy Terminal (T.N) To SRI VEERANAR FUELS 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

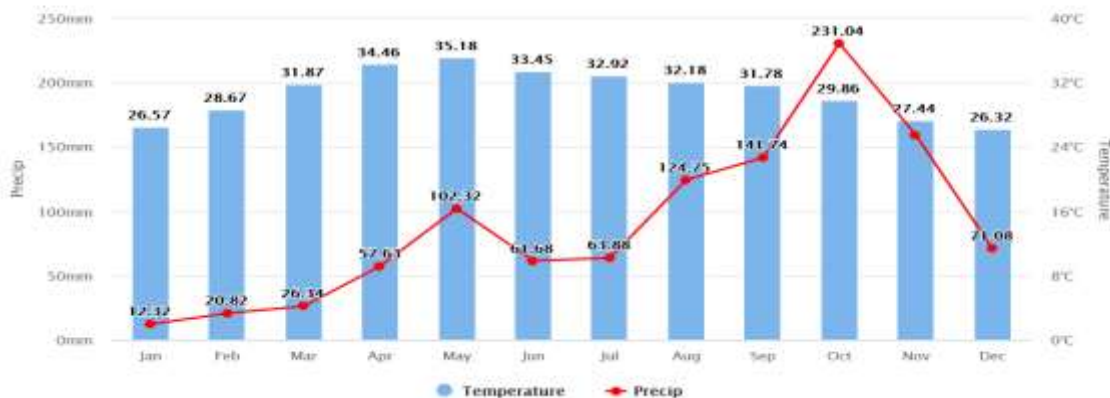
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Oct	Dec	Year
Record high °C (°F)	39.0 (91.4)	38.0 (100.4)	41.0 (105.8)	43.0 (109.4)	43.0 (109.4)	42.0 (107.6)	40.0 (104.0)	39.0 (102.2)	38.0 (100.4)	37.0 (98.6)	34.0 (93.2)	33.0 (91.4)	43.0 (109.4)
Average high °C (°F)	30.27 (86.49)	32.88 (91.18)	36.0 (96.8)	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 SRI VEERANAR FUELS 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 SRI VEERANAR FUELS 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:**

**ALARP/JRM/TNSO/SRIVEERANAR**



## **JOURNEY RISK MANAGEMENT REPORT**

Typically, Trichy Terminal (T.N) To SRI VEERANAR FUELS 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
- 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

### **❖ 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-** ). Take SIDCO to Indian oil Storage to NH 83 in Thuvakudi, Follow NH 83 to Vallam. Exit from NH 83, Follow Vallam Rd to Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd in Thennamanadu North, Turn right onto Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur - Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd, Turn left onto Pappanadu Rd/Pappanadu -Madukkur Rd.

**Alternative Route 2 -)** Take SIDCO to Indian oil Storage to NH 83, Continue on NH 83. Take Vallam Rd and Thanjavur - Kalayarkoil - Sayalkudi Rd/Thanjavur - Karaikudi - Kalaiyarkoil - Sayalkudi Rd/Thanjavur -

## **JOURNEY RISK MANAGEMENT REPORT**

Orathanadu - Pattukottai Rd/Thanjavur - Pattukkottai Rd to Pappanadu Rd/Pappanadu-Madukkur Rd, Turn right onto 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 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

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

## JOURNEY RISK MANAGEMENT REPORT

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



## JOURNEY RISK MANAGEMENT REPORT

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

## JOURNEY RISK MANAGEMENT REPORT

Sharp turn	Medium	10.604864678000341, 79.2614165330509	59.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.599674663282858, 79.26590770124272	60.2 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.587623945432698, 79.26687876460927	61.6 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.577564156151789, 79.26661048804998	62.8 KM	10km/hr TO 15 Km/Hr
Sharp turn	Medium	10.564071436487005, 79.27114295850889	64.3 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.544242460468135, 79.28135681019415	66.8 KM	10km/hr TO 15 Km/Hr
Sharp turn	Medium	10.544242460468135, 79.29105567776085	67.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.545339415945685, 79.29697799512458	68.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.550064717918724, 79.30650520131842	69.7 KM	10km/hr TO 15 Km/Hr
Sharp turn	High	10.551077273185644, 79.31543159270723	70.7 KM	10km/hr TO 15 Km/Hr
Sharp turn	Medium	10.547280173751401, 79.31877898947803	71.3 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.543314263978909, 79.33766174153001	73.4 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.522808853542424, 79.35929107515699	76.7 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.510234902978182, 79.37062072576587	78.6 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.503989931706096, 79.37989044015815	79.9 KM	20km/hr TO 30 Km/Hr
Sharp turn	Medium	10.494591862507585, 79.39140826516827	81.5 KM	20km/hr TO 30 Km/Hr
Sharp turn	High	10.492523831819089, 79.39375228573891	81.9 KM	10km/hr TO 15 Km/Hr

- **Risk Assessment - Elevation Changes**

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT

Risk Type	Specific Risk	Risk Level	Coordination	Elevation Change	Gradient	Recommendation Speed
Elevation Change	Descent	Low	10.7753, 78.8368	-3.02m	-2.96 %	40 km/hr to 50 km/hr
Elevation Change	Descent	Low	10.993921 , 78.326323	-9.28m	-6.28%	40 km/hr to 50 km/hr

**IOCL TIRCHY TERMINAL (10.7753, 78.8368) TO SRI VEERANAR FUELS (10.939666 , 79.098055) TOTAL DISTANCE – 62.5 KM**

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.769073692604486, 78.83720120889187



10.764113439530249, 78.83446118711721

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.758209570013967, 78.83344387884853



10.751314343624747, 78.82530656733346

ALARP/JRM/TNSO/SRIVEERANAR



## JOURNEY RISK MANAGEMENT REPORT



10.75126610223314, 78.82518044583597



10.749591316479634, 78.83018387464983

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.739318685033433, 78.8379420178455



10.735064036857814, 78.86553394452655

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.72580557887016, 79.0641504304304



10.721070762434657, 79.06770763454654

ALARP/JRM/TNSO/SRIVEERANAR



## JOURNEY RISK MANAGEMENT REPORT



10.721721269051843, 79.07032492179873



10.715856047911897, 79.06925965827192

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.645338366462365, 79.2350894341454



10.61312680226564, 79.255443411729

ALARP/JRM/TNSO/SRIVEERANAR



## JOURNEY RISK MANAGEMENT REPORT



10.605700689381077, 79.26145932867404



10.544054693387439, 79.28156554890528

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.5481532085175, 79.30366110779738



10.550894064710347, 79.31525082885415

ALARP/JRM/TNSO/SRIVEERANAR

## JOURNEY RISK MANAGEMENT REPORT



10.4920676794054, 79.39718658032275

ALARP/JRM/TNSO/SRIVEERANAR

# JOURNEY RISK MANAGEMENT REPORT

ALARP/JRM/TNSO/SRIVEERANAR