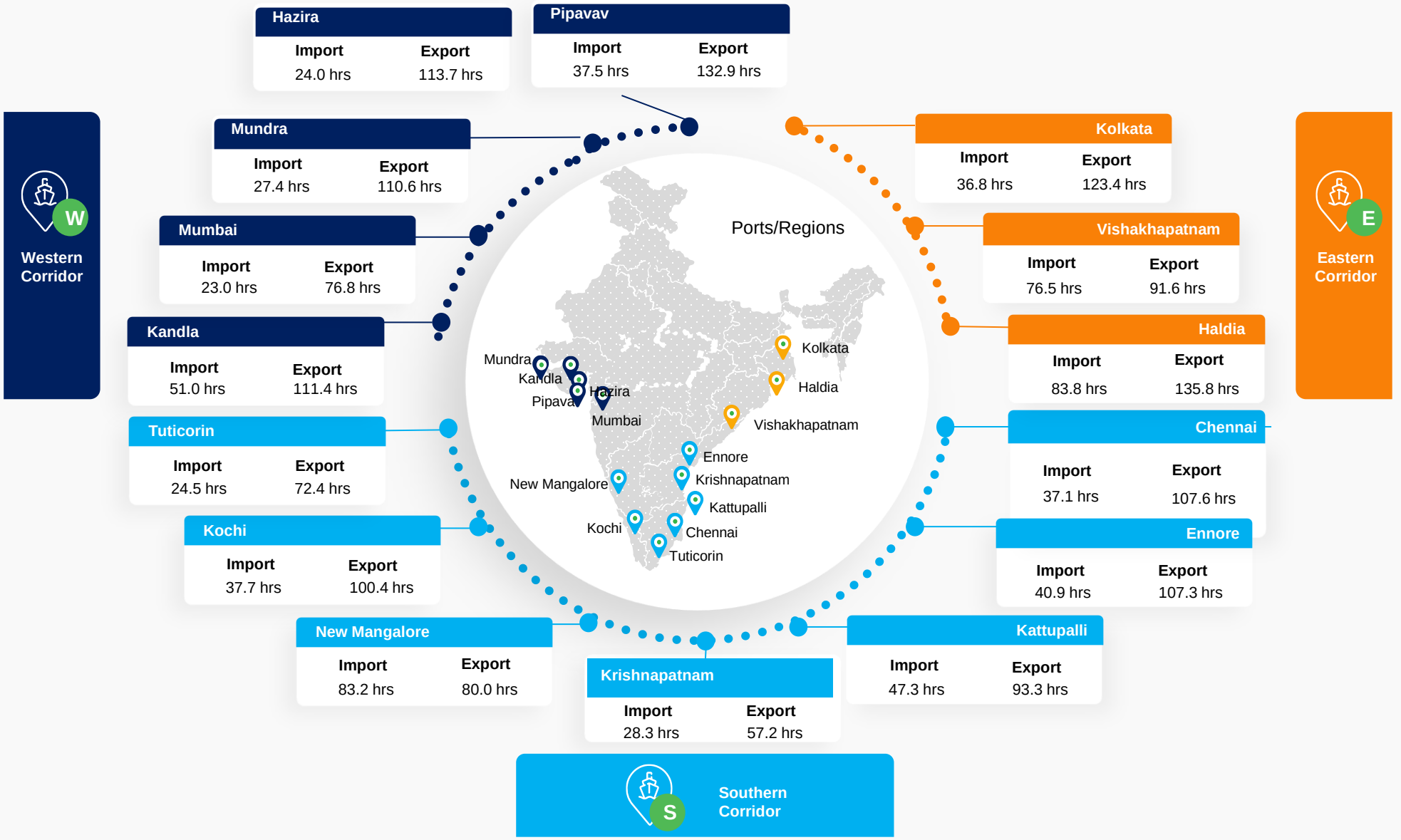
Logistics Databank Analytics Report

AMJ 2022

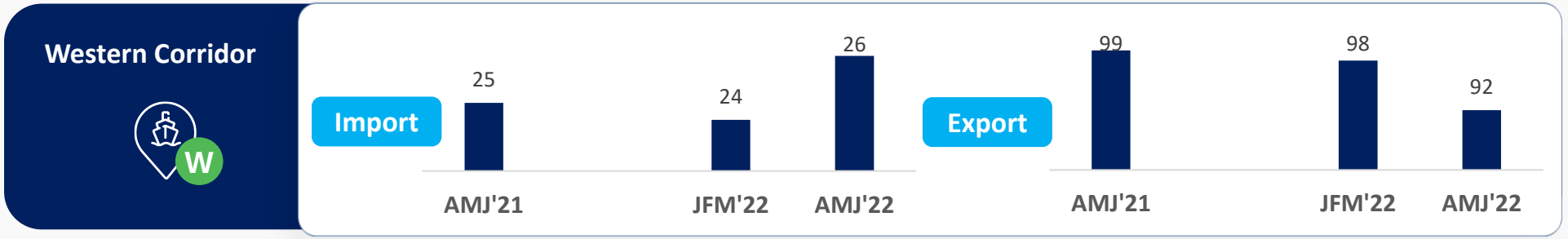
NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

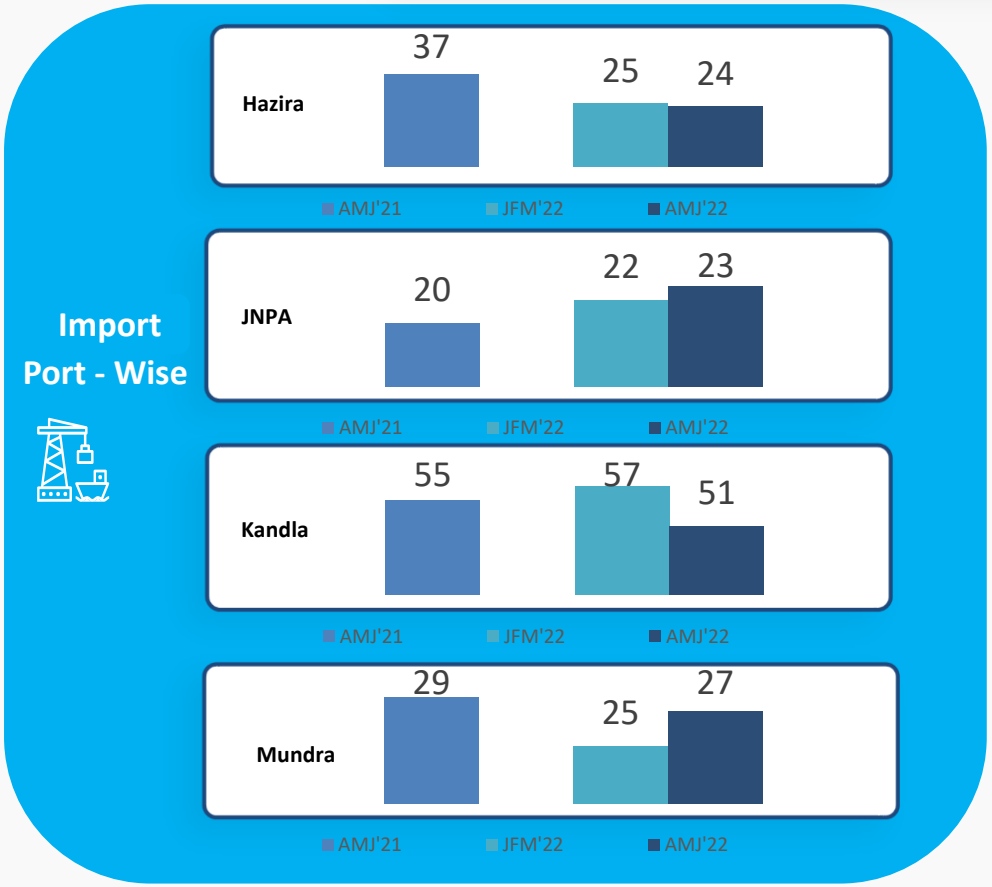
PAN INDIA Performance Snapshot: AMJ 2022 (Dwell Time)



Port Dwell Time Performance – Western Corridor

Import Cycle – Dwell Time Performance – Western Corridor (in hrs)



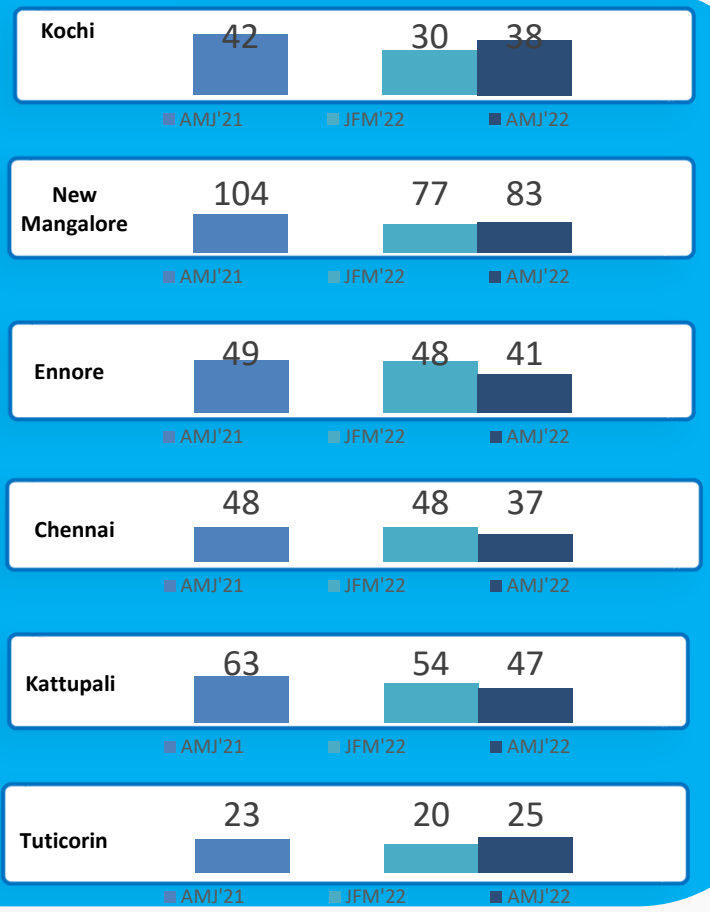


Port Dwell Time Performance – Southern Corridor

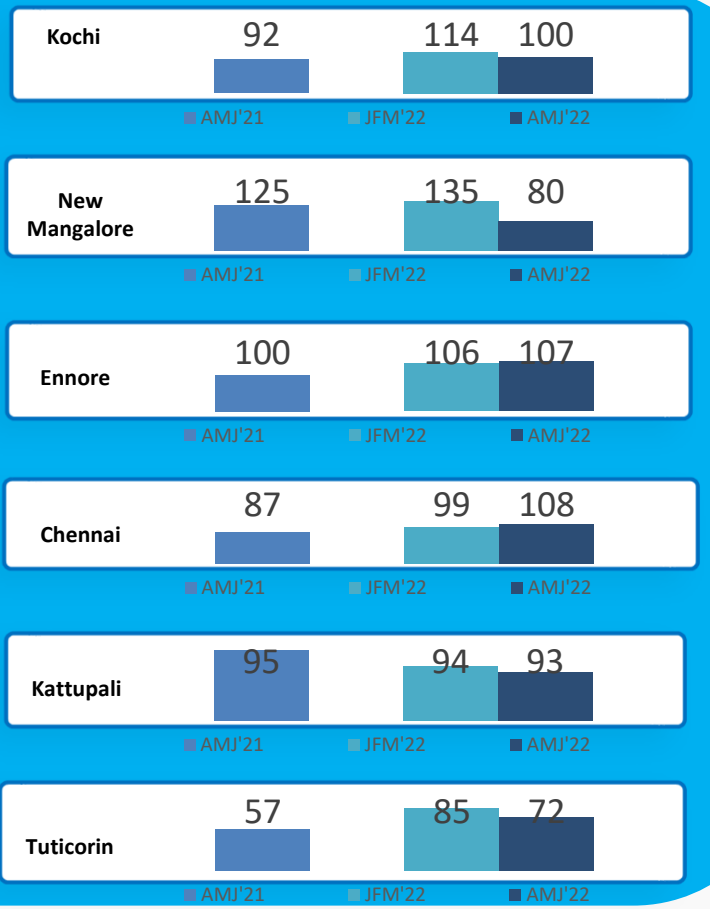
Import Cycle – Dwell Time Performance – Southern Corridor (in hrs)

Western Corridor

Import Port - Wise



Export Port - Wise

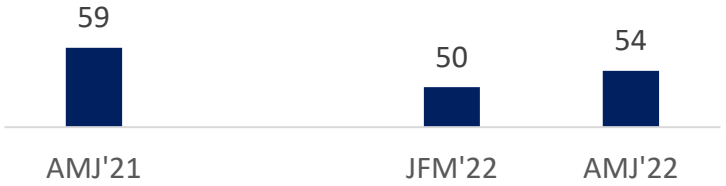


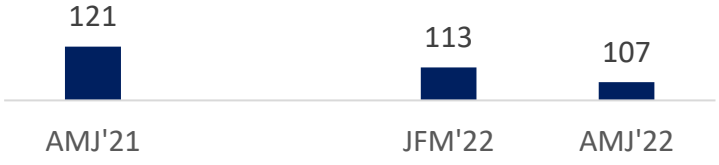
Port Dwell Time Performance – Eastern Corridor

Import Cycle (in hrs)

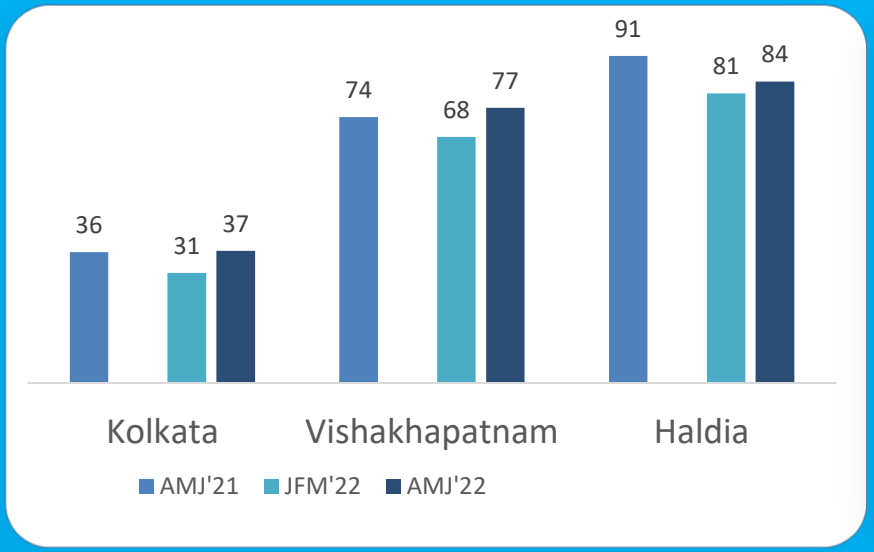
Export Cycle (in hrs)

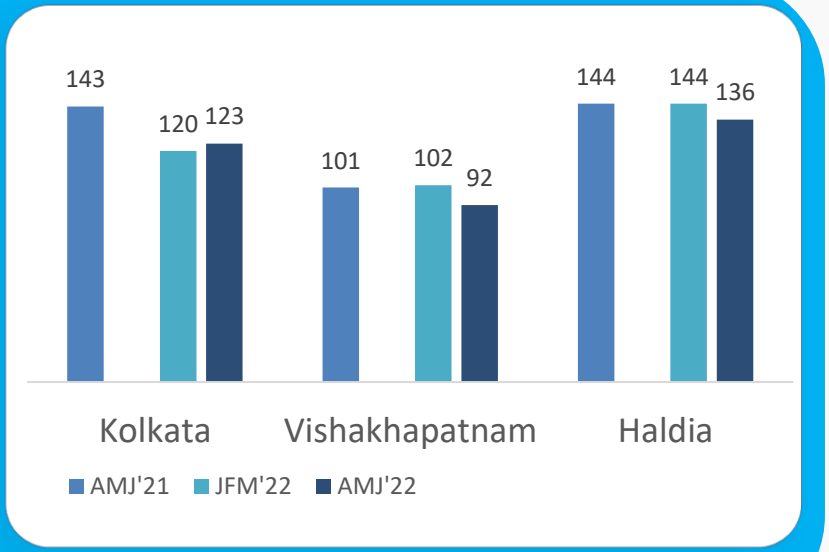
Eastern Corridor





Port - Wise





Critical Incident Summary

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 6.2% from last quarter and 4.5% from last year & Export Cycle improved by 5.9% from last quarter and 7.1% from last year.
- The container handling performance at CFS has improved by 1.0% from last quarter and 6.8% from last year. Also, ICD performance has improved by 0.8% from last quarter and 9.8% from las year.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
AMJ'22	25.7 hrs ↓	92.0 hrs ↑	86.4 hrs ↑	119.5 hrs ↑
JFM'22	24.2 hrs	97.8 hrs	87.3 hrs	120.5 hrs
AMJ'21	24.6 hrs ↓	99.0 hrs ↑	92.7 hrs ↑	132.5 hrs ↑

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 11.6% from last quarter and 15.4% from last year & in Export Cycle has improved by 1.4% from last quarter and deteriorated by 14.8% from last year.
- The container handling performance at CFS has deteriorated by 3.4% from last quarter and improved by 5.8% from last year.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
AMJ'22	36.7 hrs ↑	96.2 hrs ↑	105.0 hrs ↓
JFM'22	41.5 hrs	97.6 hrs	101.5 hrs
AMJ'21	43.4 hrs ↑	83.8 hrs ↓	111.5 hrs ↑

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 8.0% from last quarter and improved by 9.4% from last year & Export Cycle has improved by 5.1% from last quarter and 11.3% from last year.
- The container handling performance at CFS has improved by 1.0% from last quarter and 6.8% from last year.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
AMJ'22	53.7 hrs ↓	106.9 hrs ↑	86.4 hrs ↑
JFM'22	49.7 hrs	112.6 hrs	87.3 hrs
AMJ'21	59.3 hrs ↑	120.5 hrs ↑	92.7 hrs ↑

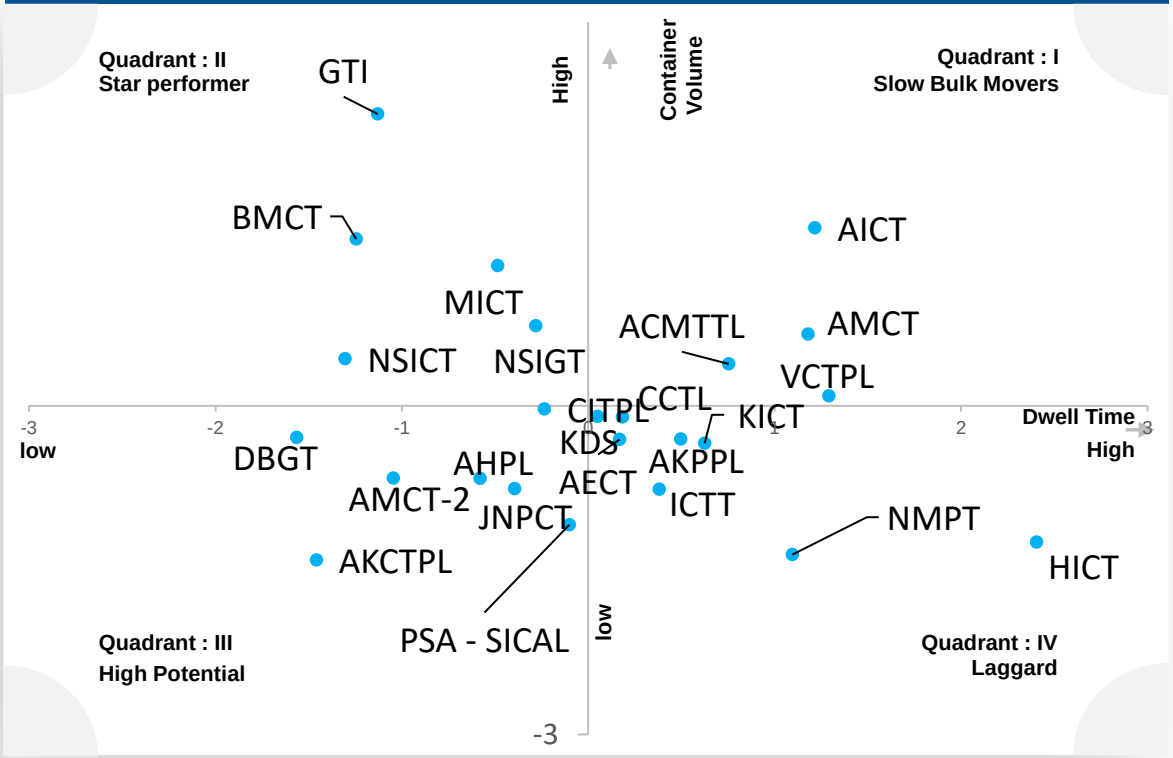
Port Performance

Pan India - Port Performance Benchmarking & Performance Index

Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Pan India

Port Terminal Performance Index – AMJ'22



Performance benchmarking for Port Terminals covered under LDB project for AMJ'22

Top Performing Terminal
Gateway Terminals India (GTI)
AMJ'22
43.5 Hrs.

Low Performing Terminal
Haldia International Container Terminal (HICT)
AMJ'22
104.9

Note: The performance benchmarking is based on performance index

Performance Index - Summary

In order to assess the relative performance of various entitied like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer
Consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers
Consist of entities which have catered higher container volume in higher dwell time

High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time

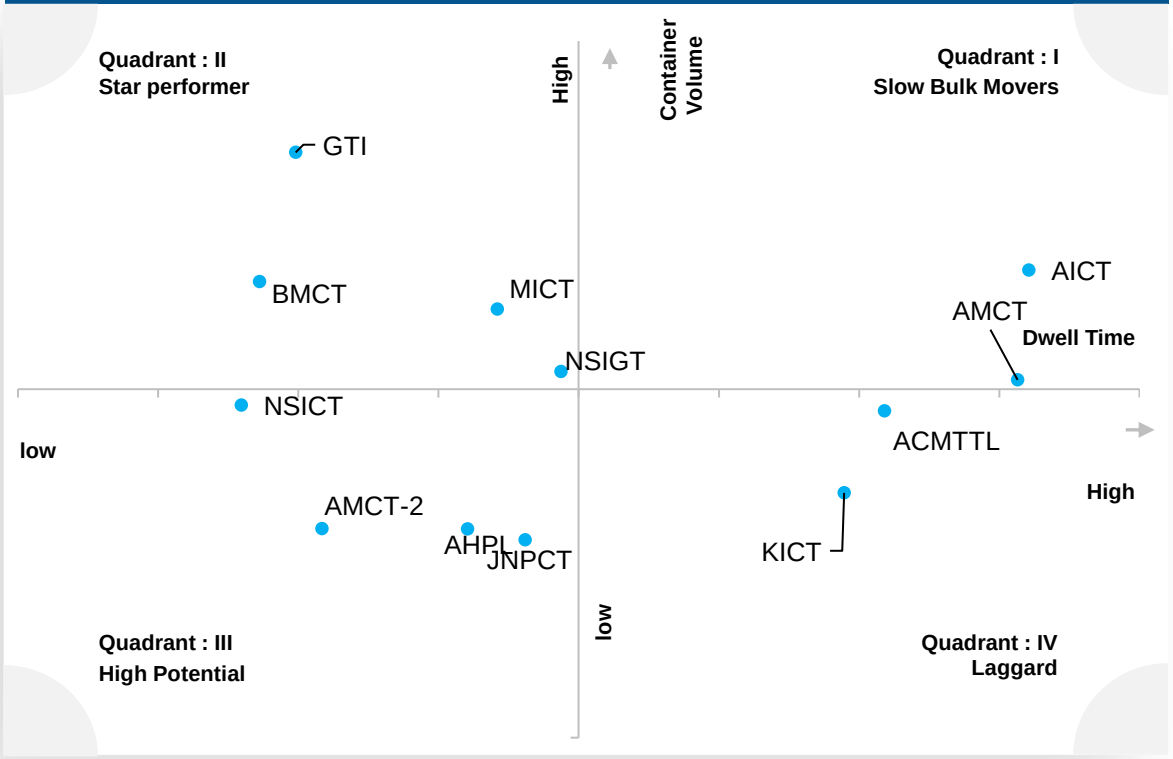
Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

Port Performance Benchmarking & Performance Index - Western Corridor

Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Western Region

Port Terminal Performance Index – AMJ'22



Performance benchmarking for Port Terminals covered under LDB project for AMJ'22

Top Performing Terminal
Gateway Terminals India (GTI)
AMJ'22
43.5 Hrs.

Low Performing Terminal
Adani CMA Mundra Terminal (ACMTPL)
AMJ'22
76.2

Note: The performance benchmarking is based on performance index

Performance Index - Summary

In order to assess the relative performance of various entitied like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer
Consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers
Consist of entities which have catered higher container volume in higher dwell time

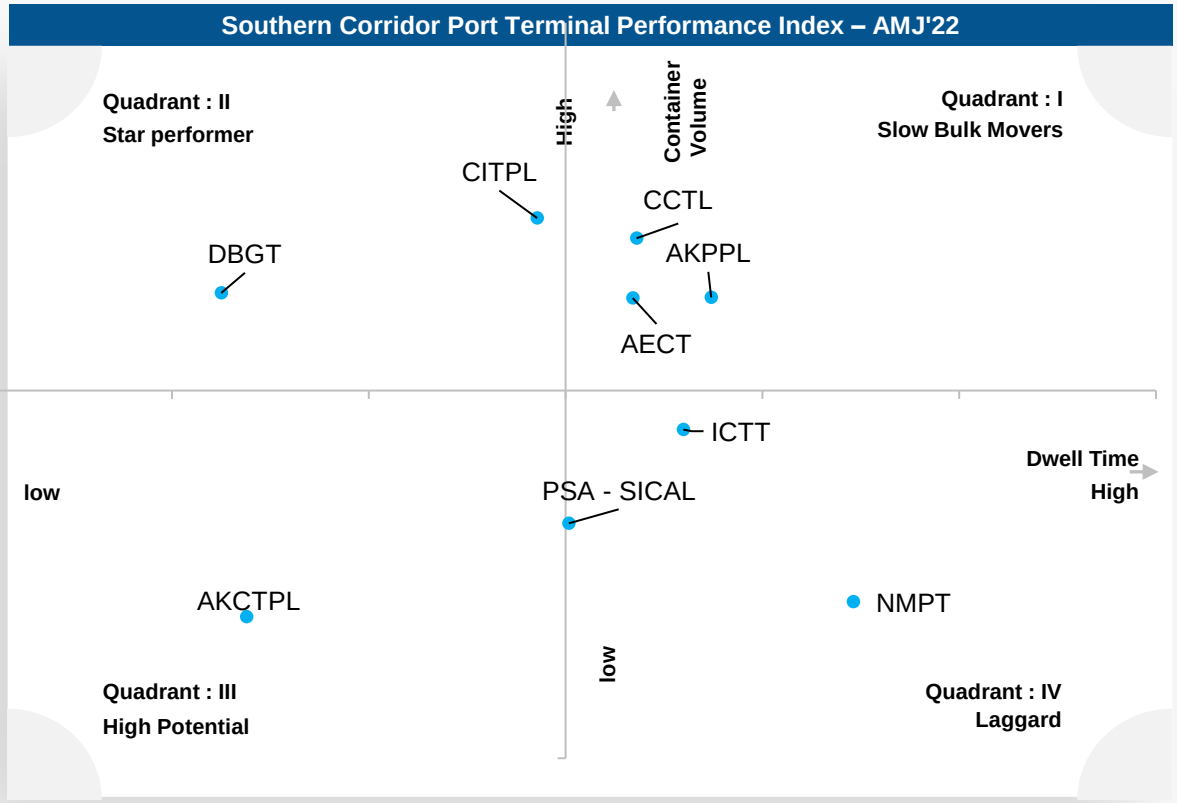
High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time

Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

Port Performance Benchmarking & Performance Index - Southern Corridor

Performance Benchmarking – Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Southern Region



Performance benchmarking for Port Terminals covered under LDB project for AMJ'22

Top Performing Terminal
Chennai International Terminals Pvt Ltd (CITPL)
AMJ'22
59.0 Hrs.

Low Performing Terminal
New Mangalore Port Trust
AMJ'22
82.1

Note: The performance benchmarking is based on performance index

Performance Index - Summary

In order to assess the relative performance of various entitied like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer
Consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers
Consist of entities which have catered higher container volume in higher dwell time

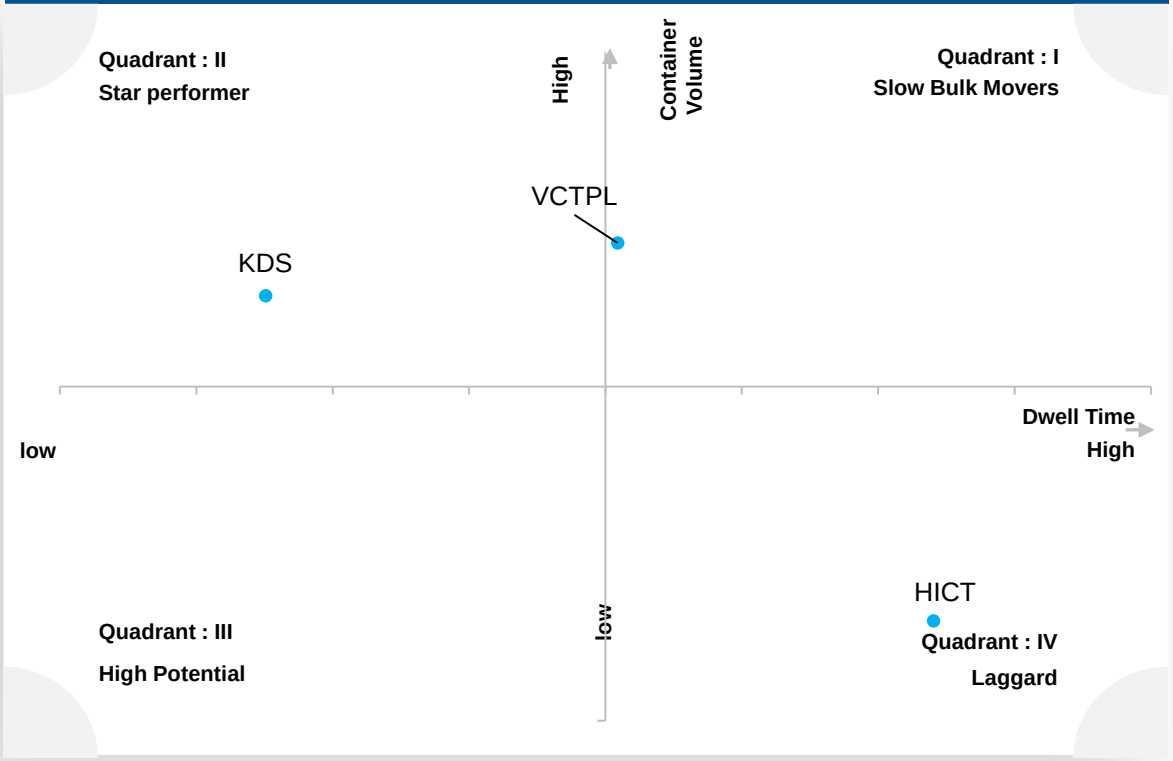
High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time

Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Eastern Region

Port Terminal Performance Index – AMJ'22



Performance benchmarking for Port Terminals covered under LDB project for AMJ'22

Top Performing Terminal
Kolkata Dock System (KDS) , Kolkata Port
AMJ'22
63.97 Hrs.

Low Performing Terminal
Haldia International Container Terminal (HICT)
AMJ'22
104.9

Note: The performance benchmarking is based on performance index

Performance Index - Summary

In order to assess the relative performance of various entitied like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer
Consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers
Consist of entities which have catered higher container volume in higher dwell time

High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time

Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

Annexure

Individual Terminal Performance In Southern Corridor

Chennai Port Terminals: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → Transit Time → Container Freight Station (CFS) – Dwell Time

IMPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	33.5	22.3	↑
Truck	48.3	37.5	↑
Overall	**47.7**	**37.1**	↑

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	3.06	2.20	↑
Towards CFS			

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	108.3	120.2	↓
Truck	98.6	107.2	↓
Overall	**98.9**	**107.6**	↓

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	8.82	4.38	↑
From CFS			

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	102.7	98.7	↑

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Kochi Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Overall	30.4	37.7	↓

Transit Time

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	0.24	0.22	↑
Towards CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	100.3	119.1	↓

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Overall	113.6	100.4	↑

Transit Time

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	0.64	0.62	↑
From CFS			

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	54.2	47.3 ↑

Transit Time

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
Port to CFS	2.79	2.45 ↑
Toward s CFS		

Container Freight Station (CFS) – Dwell Time

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Container Freight Stations (CFS)	102.7	98.7 ↑

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	93.7	93.3 ↑

Transit Time

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
CFS to Port	3.26	3.05 ↑
From CFS		

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → Transit Time → Container Freight Station (CFS) – Dwell Time

IMPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
PSA SICAL	39.2	40.4	↓
DBGT Port terminal	15.5	20.9	↓
Overall	**19.8**	**24.5**	↓

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	8.41	2.48	↑
Towards CFS			

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	95.7	129.0	↓

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
PSA SICAL	95.4	95.9	↓
DBGT Port terminal	81.4	67.1	↑
Overall	**85.1**	**72.4**	↑

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	1.61	1.50	↑
From CFS			

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JFM'22 (in hrs)	AMJ'22 (in hrs)
IMPORT		
Overall	23.9	28.3 ↓
EXPORT		
Overall	69.7	57.2 ↑

Container Freight Station (CFS) – Dwell Time

ENTITY	JFM'22 (in hrs)	AMJ'22 (in hrs)
Container Freight Stations (CFS)	119.5	136.9 ↓

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Ennore Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	28.1	22.3	↑
Truck	48.8	37.5	↑
Overall	**48.1**	**40.9**	↑

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	87.4	120.2	↓
Truck	106.9	107.2	↓
Overall	**106.0**	**107.3**	↓

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	102.7	98.7	↑

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

New Mangalore Port Terminal: Container Transportation

Port Dwell Time

The marked entries showcase increase in performance in comparison to JFM'22

The marked entries showcase decrease in performance in comparison to JFM'22

Individual Terminal Performance In Eastern Corridor

Vishakhapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

ENTITY	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	68.4	76.5 ↓

Transit Time

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
Port to CFS	1.97	2.13 ↓
Toward s CFS		

Container Freight Station (CFS) – Dwell Time

ENTITY	JFM'22 (in hrs)	AMJ'22 (in hrs)
Container Freight Stations (CFS)	136.0	131.2 ↑

EXPORT	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	101.8	91.6 ↑

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
CFS to Port	4.29	1.68 ↑
From CFS		

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → **Transit Time** → **Container Freight Station (CFS) – Dwell Time**

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	30.6	36.8 ↓

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
Port to CFS	1.07	1.14 ↓
Towards CFS		

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Container Freight Stations (CFS)	120.5	124.4 ↓

Container Lifecycle (Export Cycle)

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)
Overall	119.5	123.4 ↓

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)
CFS to Port	1.14	1.28 ↓
From CFS		

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → **Transit Time**

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Overall	80.5	83.8	↓

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	2.93	2.50	↑
Towards CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	129.6	144.8	↓

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Overall	144.0	135.8	↑

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	5.55	3.60	↑
From CFS			

↑ The marked entries showcase increase in performance in comparison to JFM'22

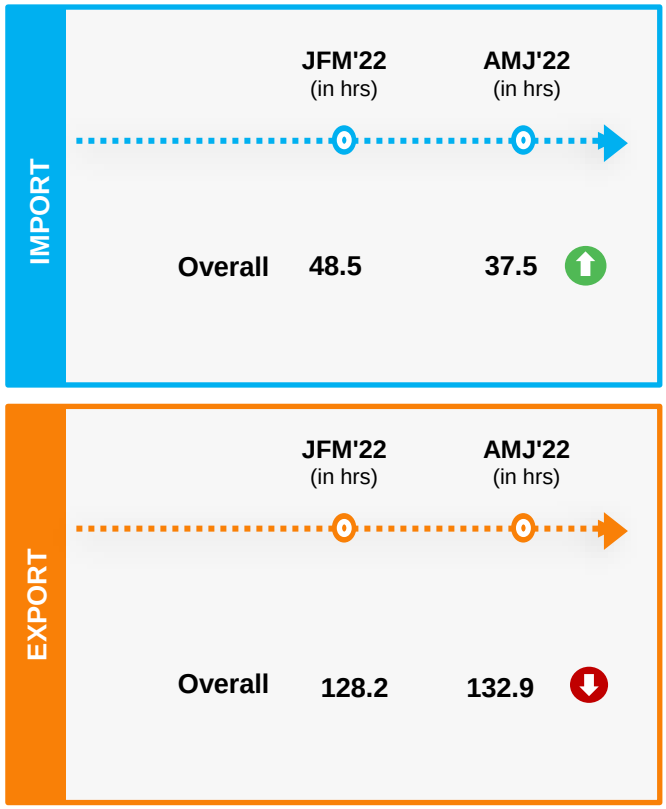
↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Individual Terminal Performance In Western Corridor

Pipavav Port Terminal: Container Transportation

Port Dwell Time

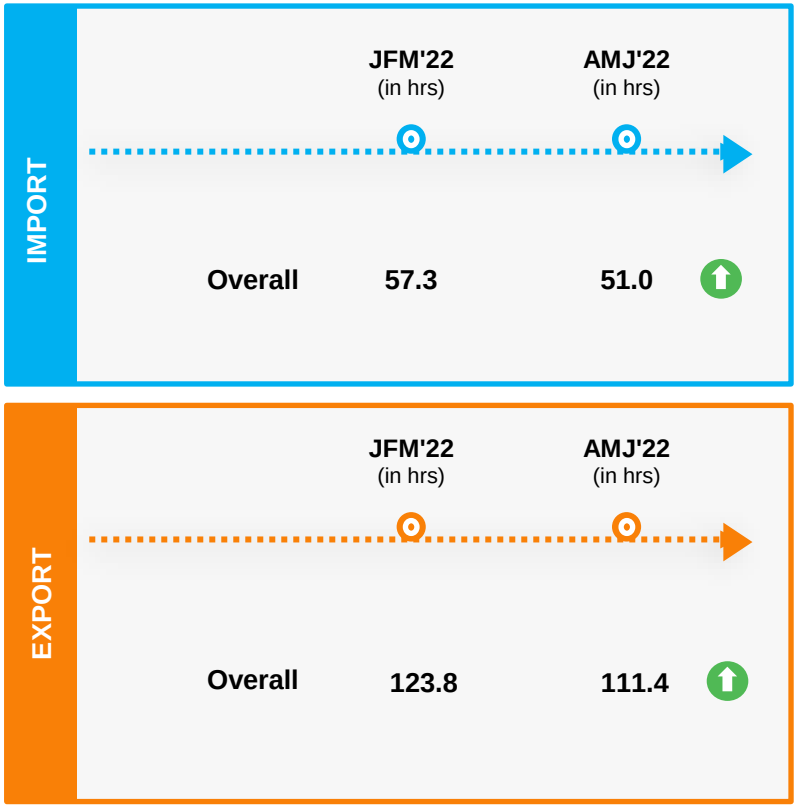


The marked entries showcase increase in performance in comparison to JFM'22

The marked entries showcase decrease in performance in comparison to JFM'22

Kandla Port Terminal: Container Transportation

Port Dwell Time



The marked entries showcase increase in performance in comparison to JFM'22

The marked entries showcase decrease in performance in comparison to JFM'22

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

		JFM'22 (in hrs)	AMJ'22 (in hrs)	
IMPORT	Overall	25.4	24.0	↑
EXPORT	Overall	137.7	113.7	↑

Container Freight Station (CFS) – Dwell Time

		JFM'22 (in hrs)	AMJ'22 (in hrs)	
ENTITY	Container Freight Stations (CFS)	113.6	148.9	↓

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	59.1	59.6	↓
Truck	18.5	19.9	↓
Overall	**21.9**	**23.0**	↓

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	97.7	110.5	↓
Truck	76.9	73.2	↑
Overall	**78.8**	**76.8**	↑

Transit Time

Towards ICD

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	2.71	2.79	↓

Towards CFS

From ICD

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	3.70	3.60	↑

From CFS

Container Freight Station (CFS) / Inland Container Depot (ICD) – Dwell Time

ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	87.1	81.0	↑
Inland Container Depot (ICD)	120.5	119.5	↑

Container Lifecycle (Export Cycle)

↑ The marked entries showcase increase in performance in comparison to JFM'22

↓ The marked entries showcase decrease in performance in comparison to JFM'22

Mundra Port Terminal : Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → **Transit Time**

IMPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	80.8	67.6	⬆
Truck	15.1	19.4	⬇
Overall	**24.6**	**27.4**	⬇

Towards ICD

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Port to CFS	0.89	0.98	⬇

Towards CFS

EXPORT

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Train	179.2	146.7	⬆
Truck	111.6	99.7	⬆
Overall	**128.2**	**110.6**	⬆

From ICD

Transit Cycle	JFM'22 (in hrs)	AMJ'22 (in hrs)	
CFS to Port	0.58	0.60	⬇

From CFS

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) / Inland Container Depot (ICD) – Dwell Time

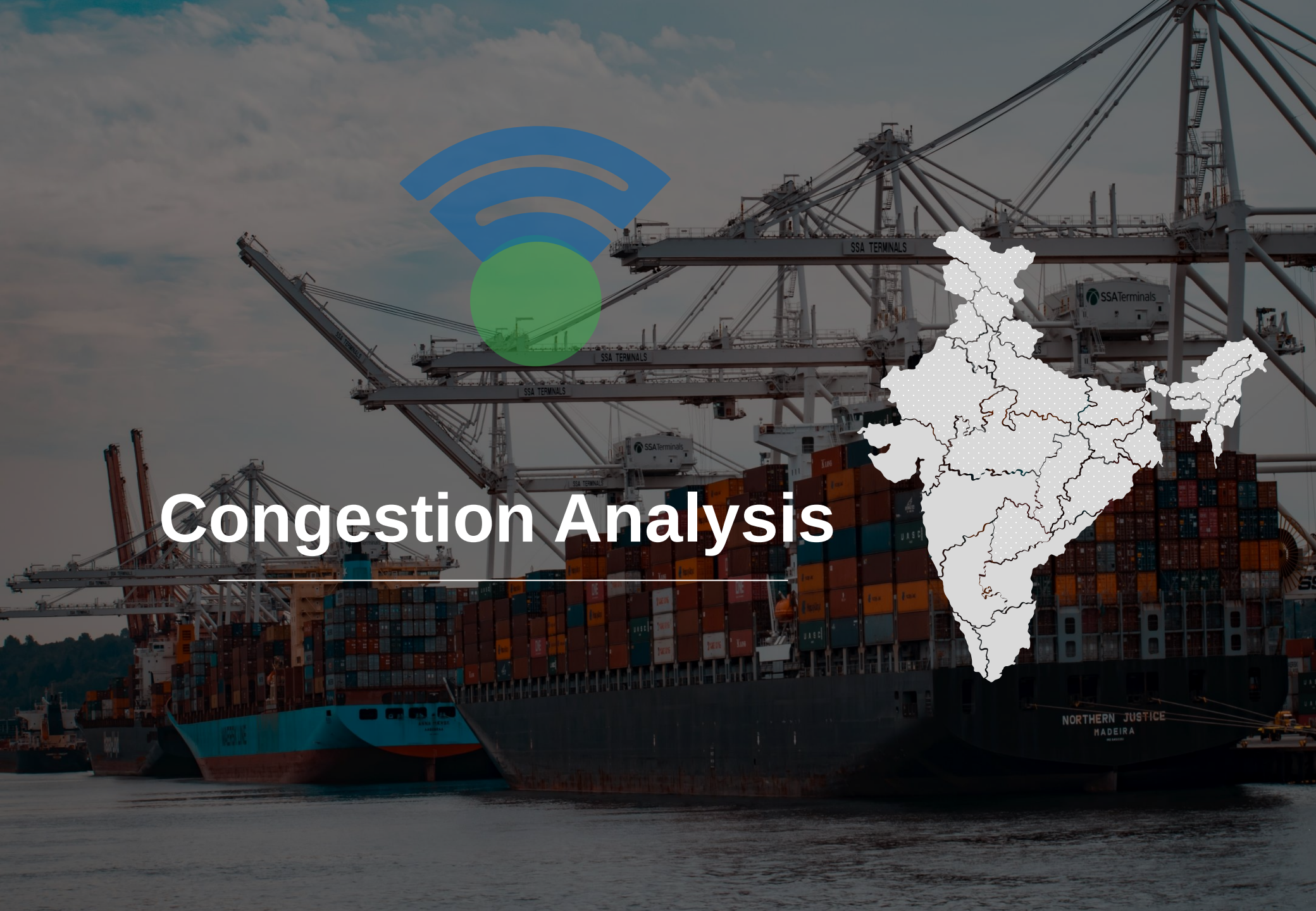
ENTITY

	JFM'22 (in hrs)	AMJ'22 (in hrs)	
Container Freight Stations (CFS)	87.1	81.0	⬆
Inland Container Depot (ICD)	120.5	119.5	⬆

⬆ The marked entries showcase increase in performance in comparison to JFM'22

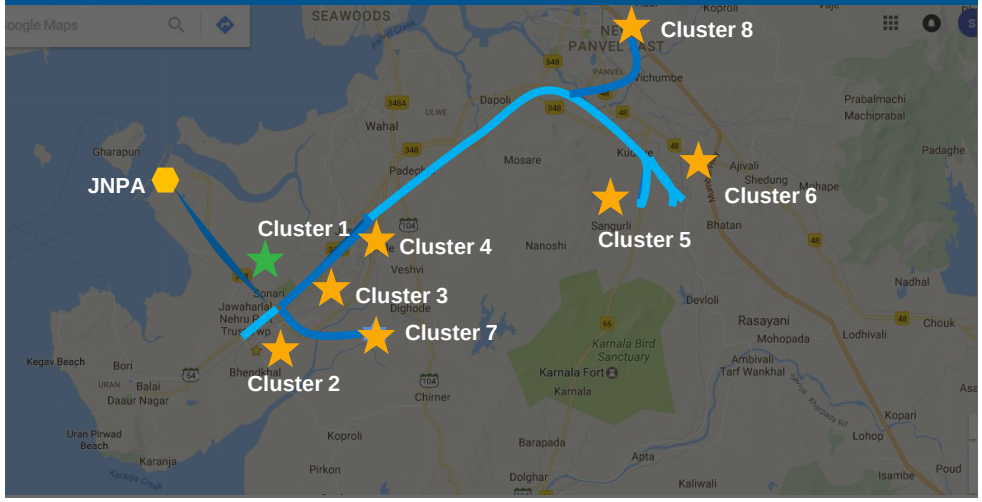
⬇ The marked entries showcase decrease in performance in comparison to JFM'22

Congestion Analysis



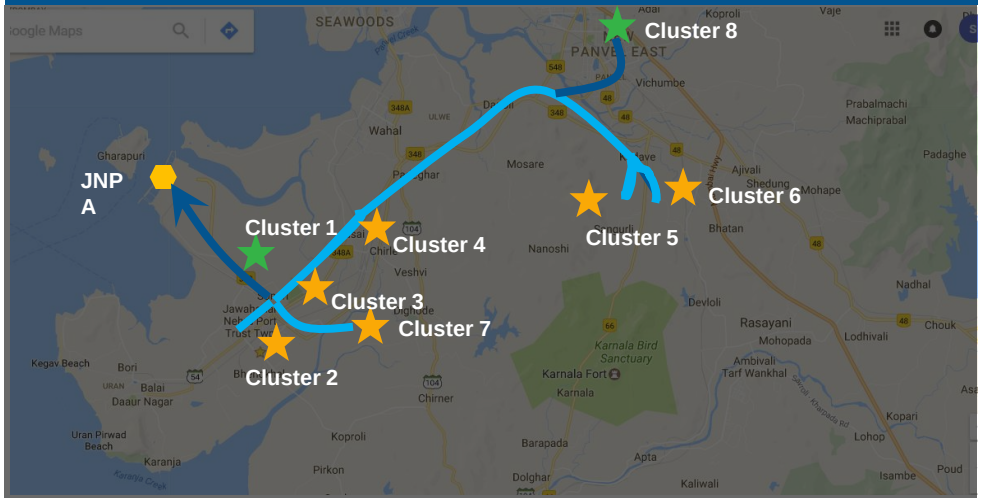
JNPA Region: Congestion Analysis

JNPA – Import – AMJ'22



Clusters with bottleneck	
Cluster 1	JNPA area
Clusters without bottleneck	
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area,JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area, khopate JNPA road
Cluster 8	Taloja, navi mumbai

JNPA – Export – AMJ'22



Clusters with bottleneck	
Cluster 1	JNPA area
Cluster 8	Taloja, navi mumbai
Clusters without bottleneck	
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area,JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area, khopate JNPA road

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

Mundra Region: Congestion Analysis

Mundra – Import – AMJ'22

Clusters with bottleneck	

Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

Mundra – Export – AMJ'22

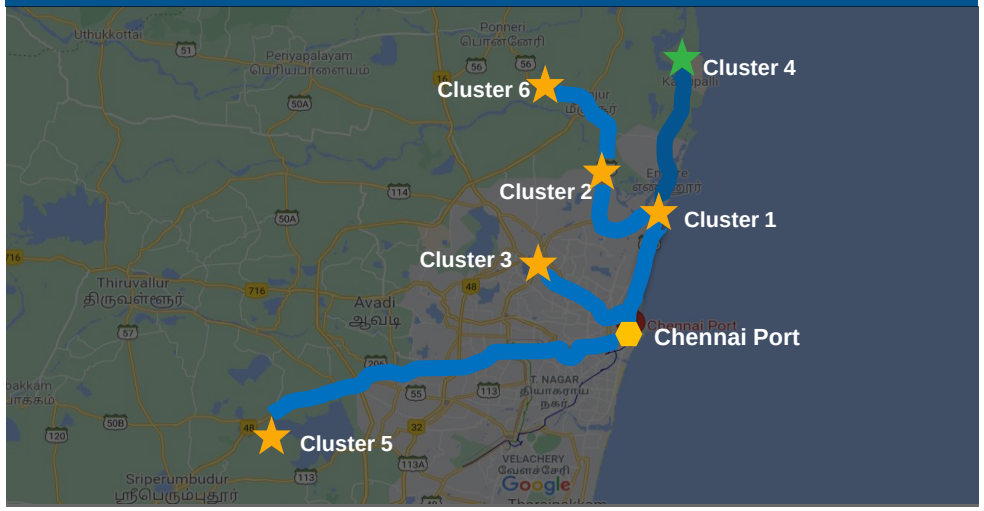
Clusters with bottleneck	

Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

Chennai Region: Congestion Analysis

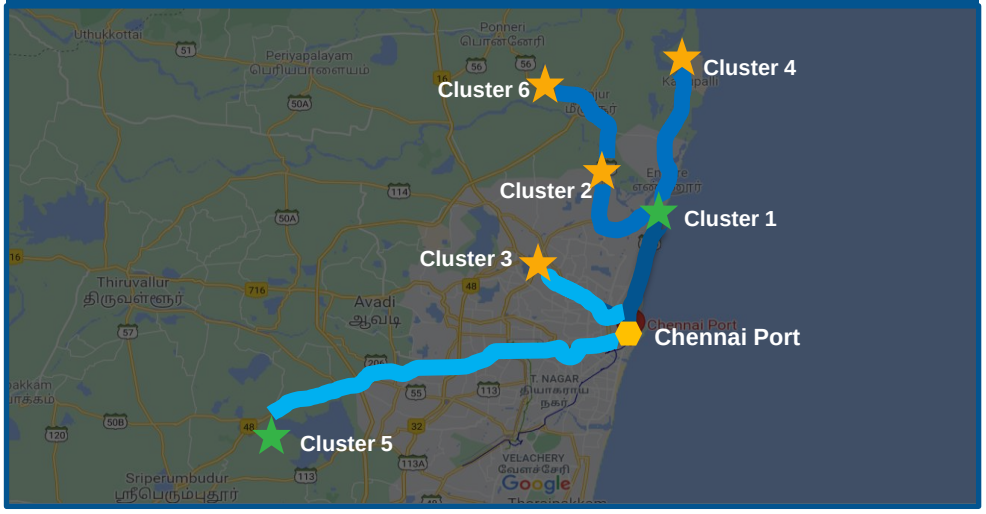
Chennai – Import – AMJ'22



Clusters with bottleneck	
Cluster 4	Kattupalli port bound area

Clusters without bottleneck	
Cluster 1	Chennai port bound area
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

Chennai – Export – AMJ'22



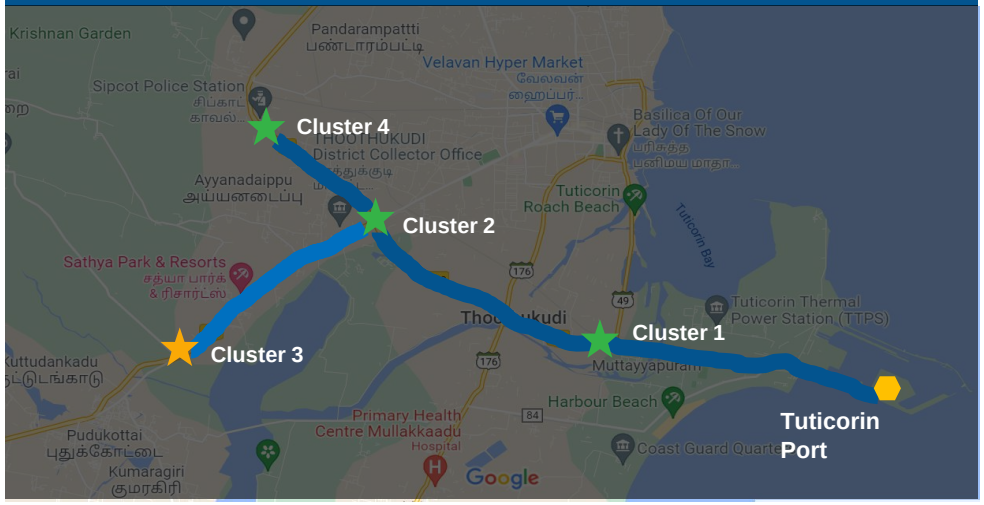
Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)

Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 6	Thiruvallur Outer city bound area

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

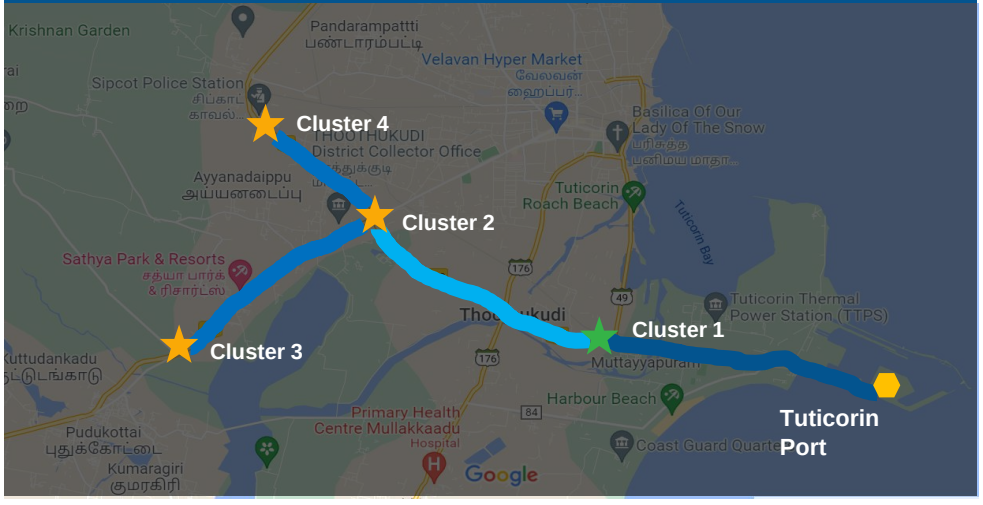
Tuticorin Region: Congestion Analysis

Tuticorin – Import – AMJ'22



Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 4	Sipcot area near by Madurai road
Clusters without bottleneck	
Cluster 3	Tirunelveli road near by Podukottai

Tuticorin – Export – AMJ'22

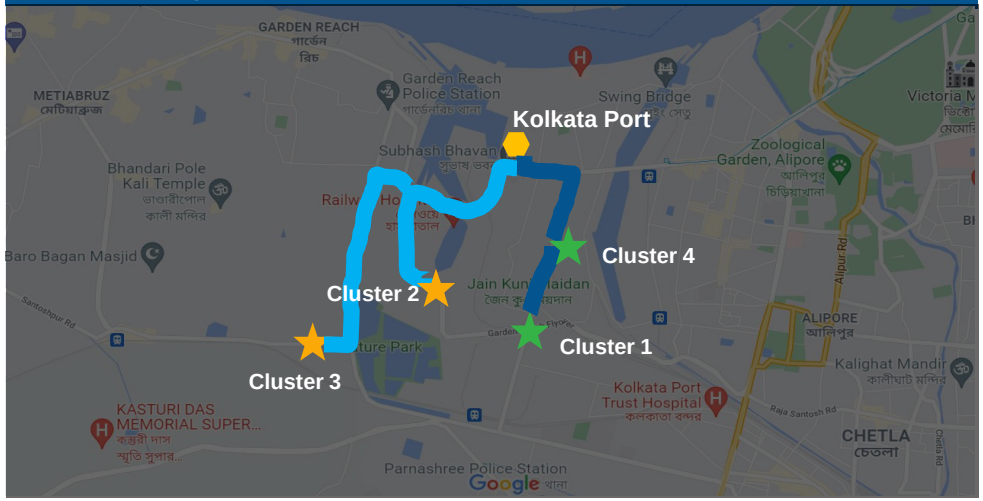


Clusters with bottleneck	
Cluster 1	Near by VOC road
Clusters without bottleneck	
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

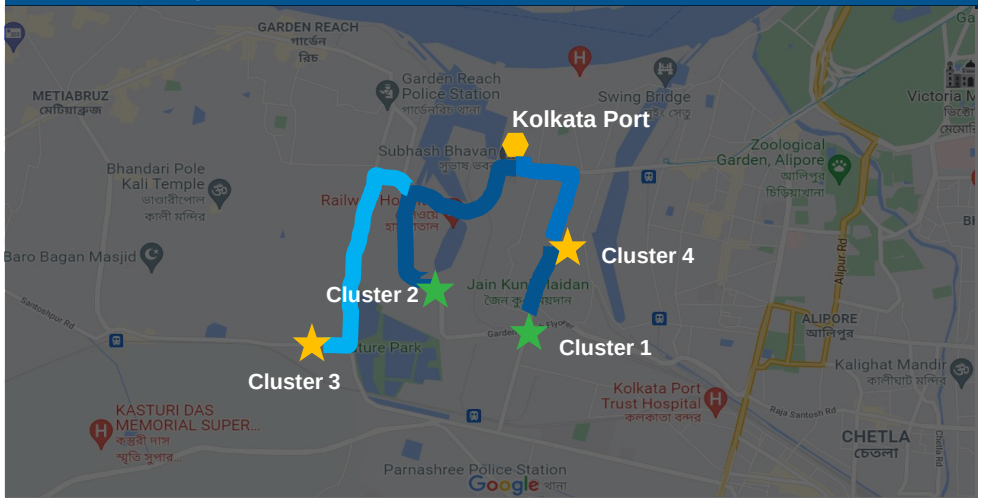
Kolkata Region: Congestion Analysis

Kolkata – Import – AMJ'22



Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 4	Babu bazar area
Clusters without bottleneck	
Cluster 2	Sonapur road area
Cluster 3	Nature park area

Kolkata – Export – AMJ'22

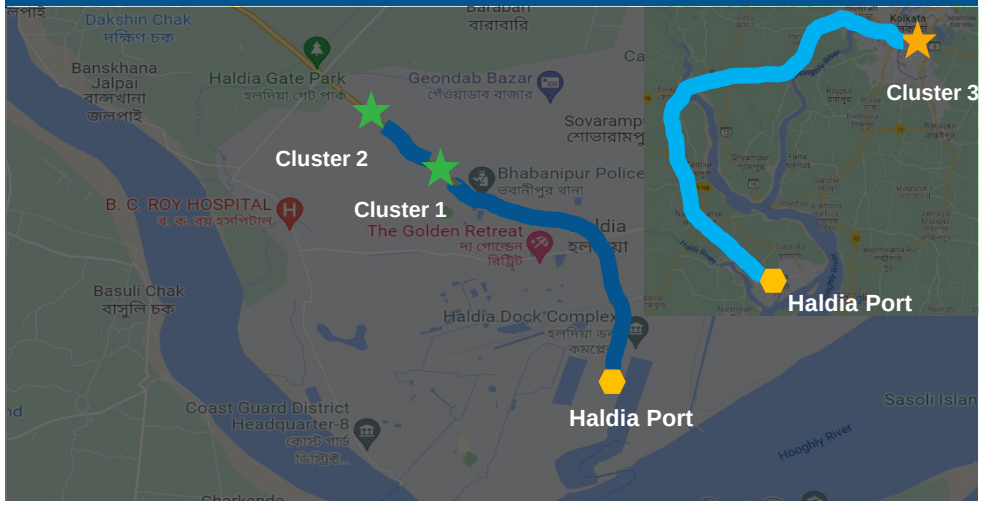


Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Clusters without bottleneck	
Cluster 4	Babu bazar area
Cluster 3	Nature park area

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

Haldia Region: Congestion Analysis

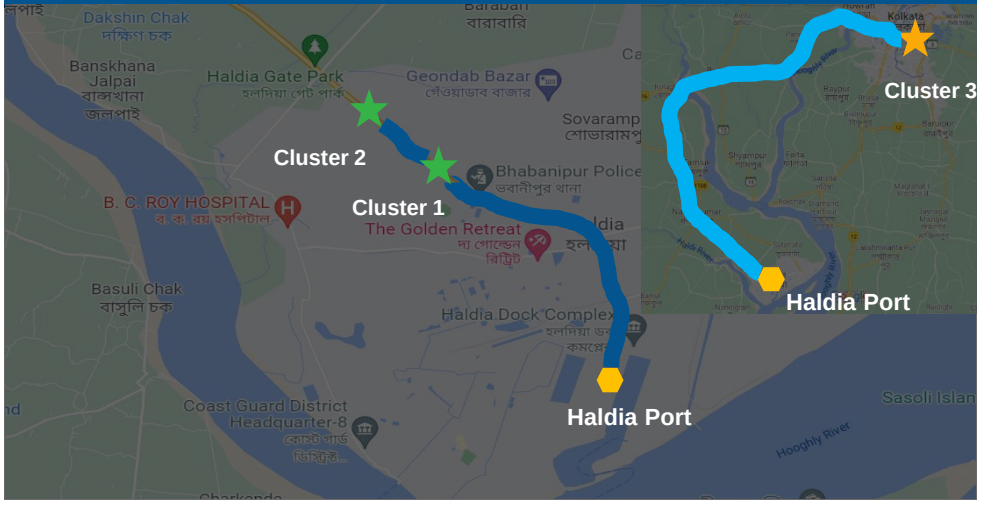
Haldia – Import – AMJ'22



Clusters with bottleneck	
Cluster 1	Talpukur area, Kolkata highway
Cluster 2	City centre area, Kolkata highway

Clusters without bottleneck	
Cluster 3	Silpodanga area

Haldia – Export – AMJ'22



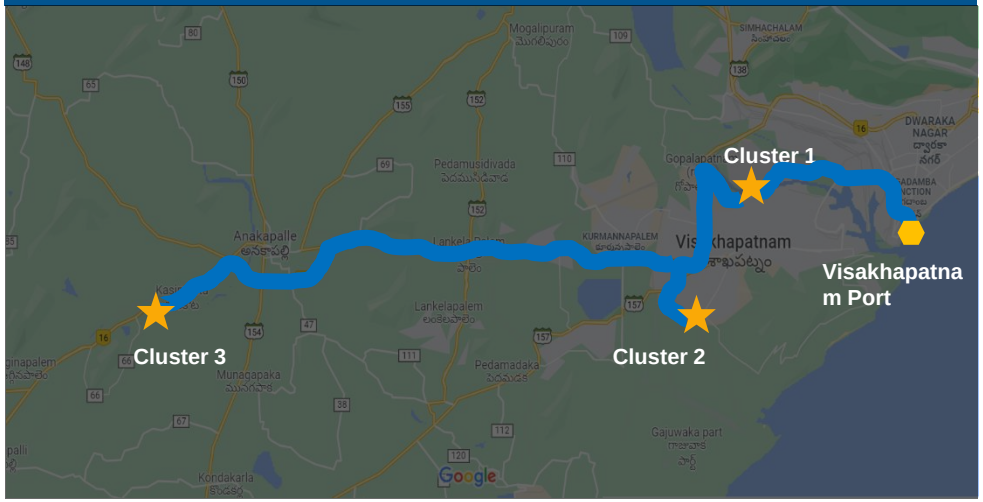
Clusters with bottleneck	
Cluster 1	Talpukur area, Kolkata highway
Cluster 2	City centre area, Kolkata highway

Clusters without bottleneck	
Cluster 3	Silpodanga area

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

Visakhapatnam Region: Congestion Analysis

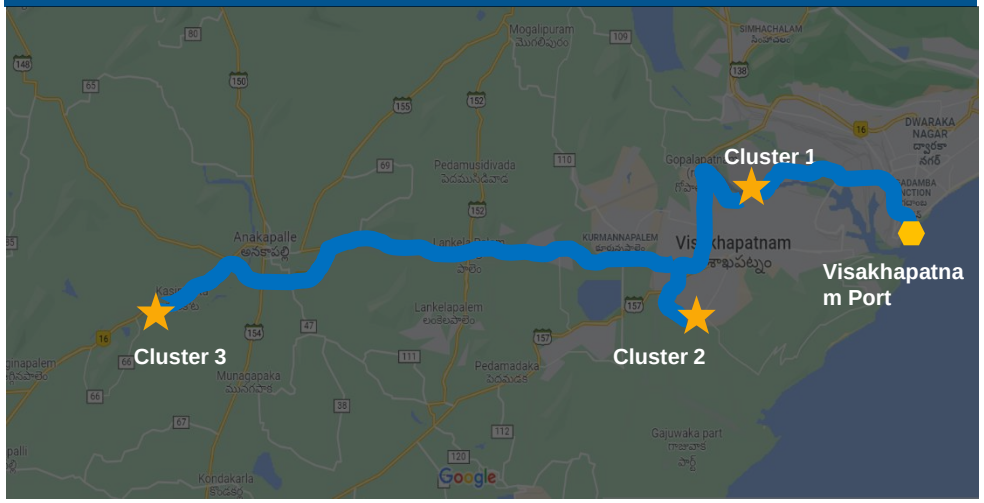
Visakhapatnam – Import – AMJ'22



Clusters with bottleneck	

Clusters without bottleneck	
Cluster 1	Port road, Gopalapatnam area
Cluster 2	Autonagar, Gajuwaka area
Cluster 3	Chennai – Kolkata highway, Bayyavaram area

Visakhapatnam – Export – AMJ'22



Clusters with bottleneck	

Clusters without bottleneck	
Cluster 1	Port road, Gopalapatnam area
Cluster 2	Autonagar, Gajuwaka area
Cluster 3	Chennai – Kolkata highway, Bayyavaram area

Legends High Congestion | Medium Congestion | Low Congestion | Cluster with bottleneck | Cluster without bottleneck

Container Movement across India

Transit Movement Across ICPs

Below is the analysis of the transit movement across ICPs from Kolkata Port Terminal or Haldia Port Terminal both Import and Export cycle

Import Cycle

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	86.7 hrs
Road	117.7 hrs
Rail	71.1 hrs

Haldia Port Terminal

Mode	ICP Raxaul
Overall	82.9 hrs

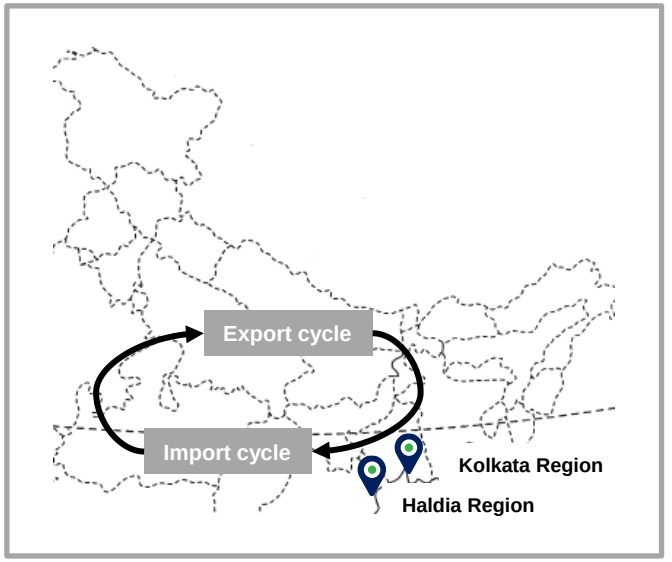
Export Cycle

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	401.0 hrs
Road	404.0 hrs
Rail	400.9 hrs

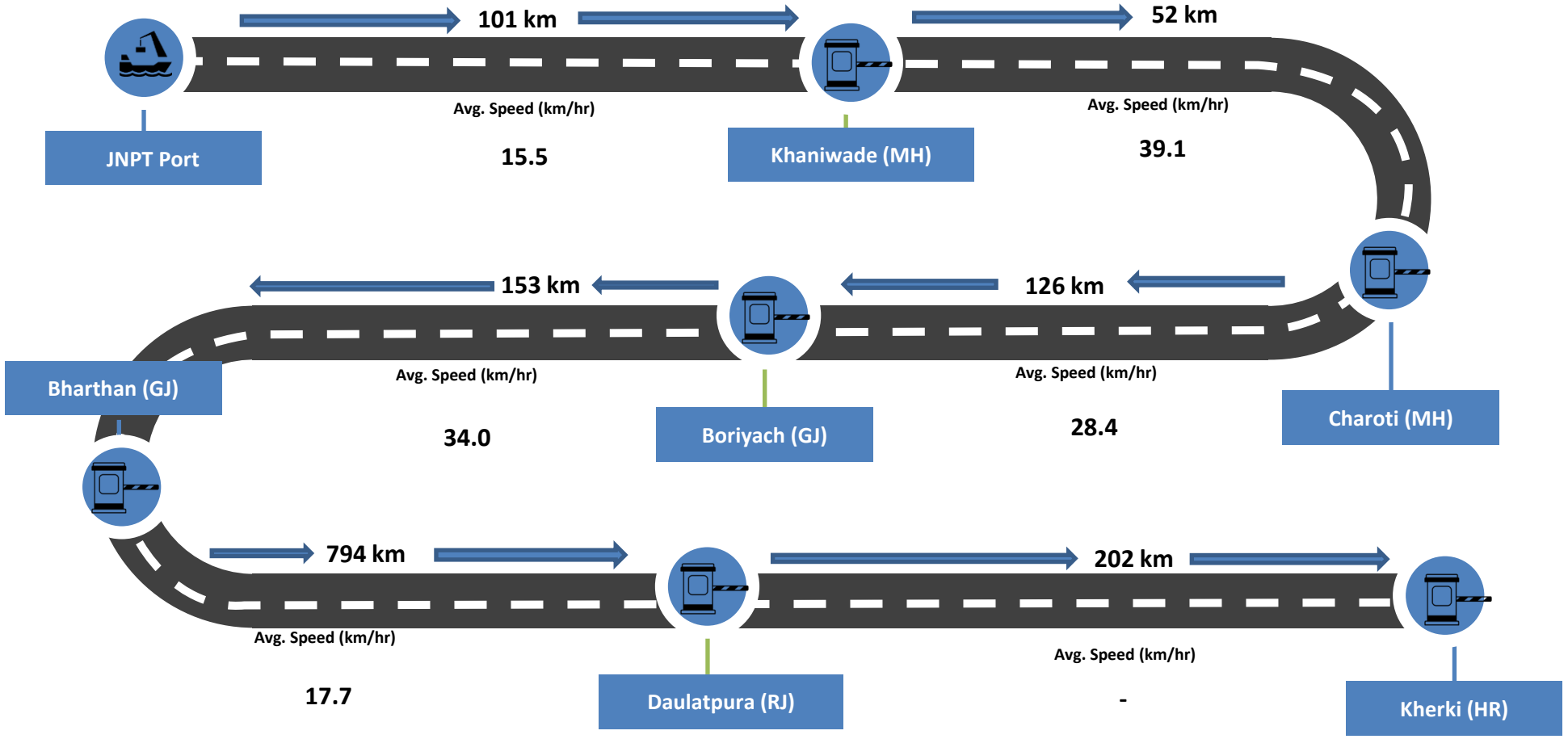
Haldia Port Terminal

Mode	ICP Raxaul
Overall	556.7 hrs

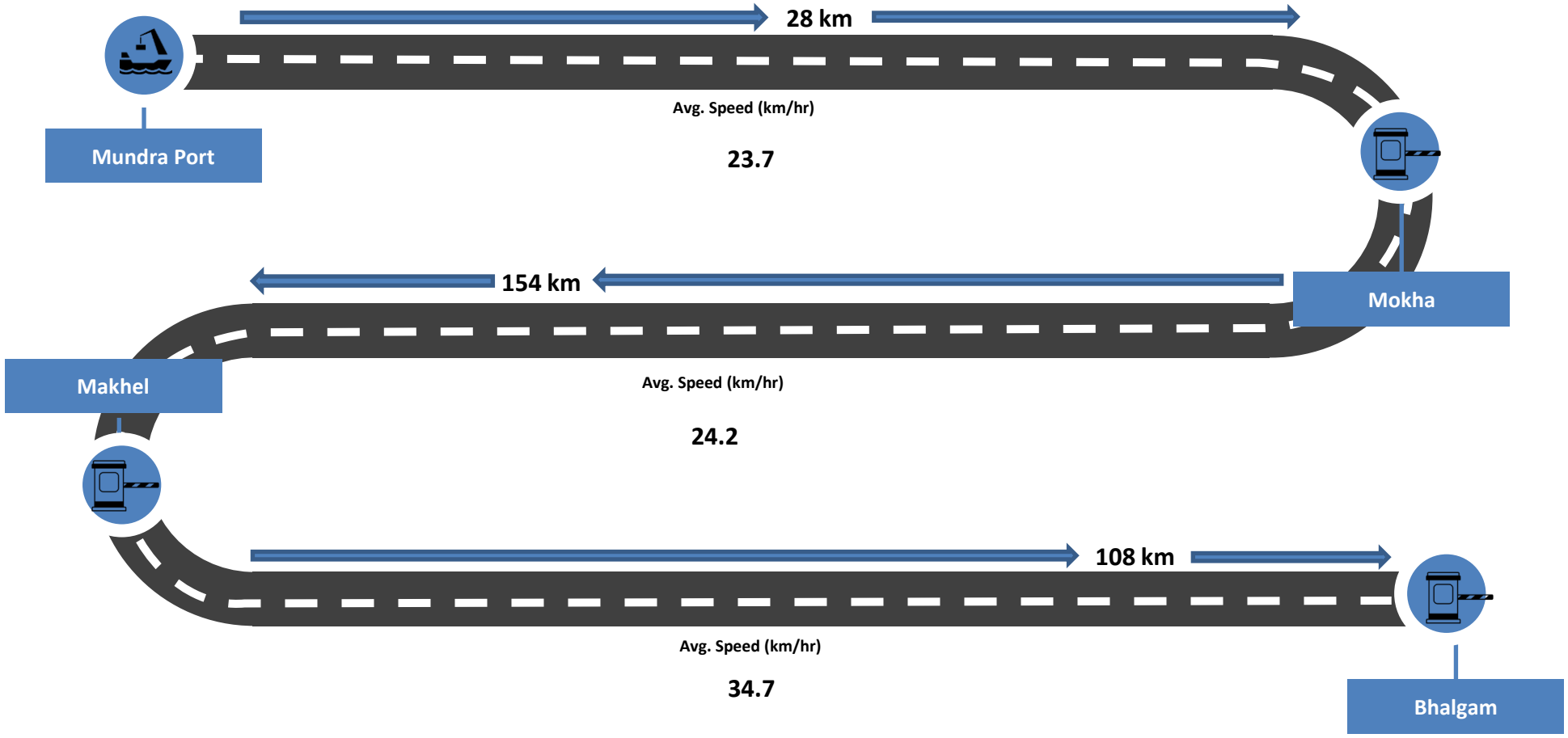


Highway Congestion Analysis

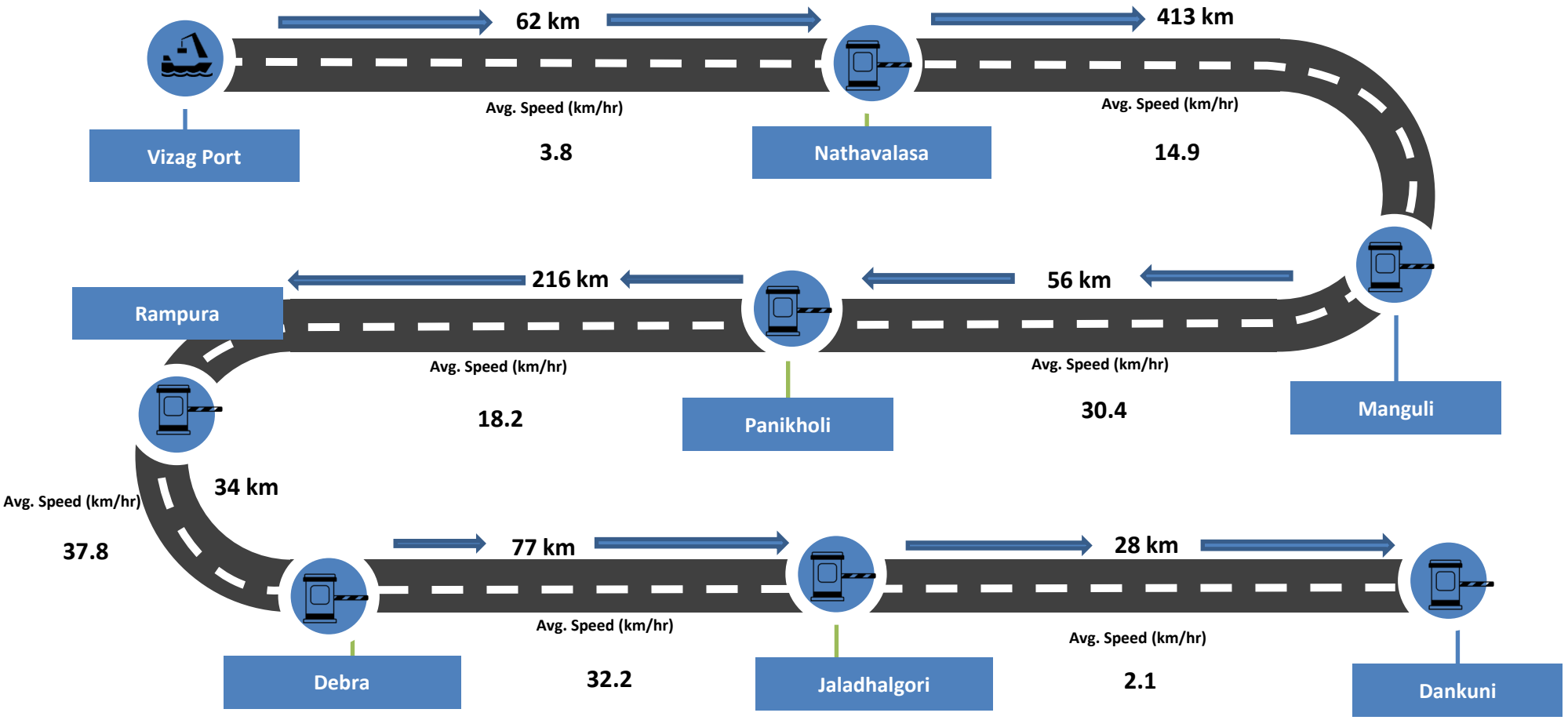
JNPT – Delhi Route: Hourly Speed Analysis



Mundra – Delhi Route: Hourly Speed Analysis

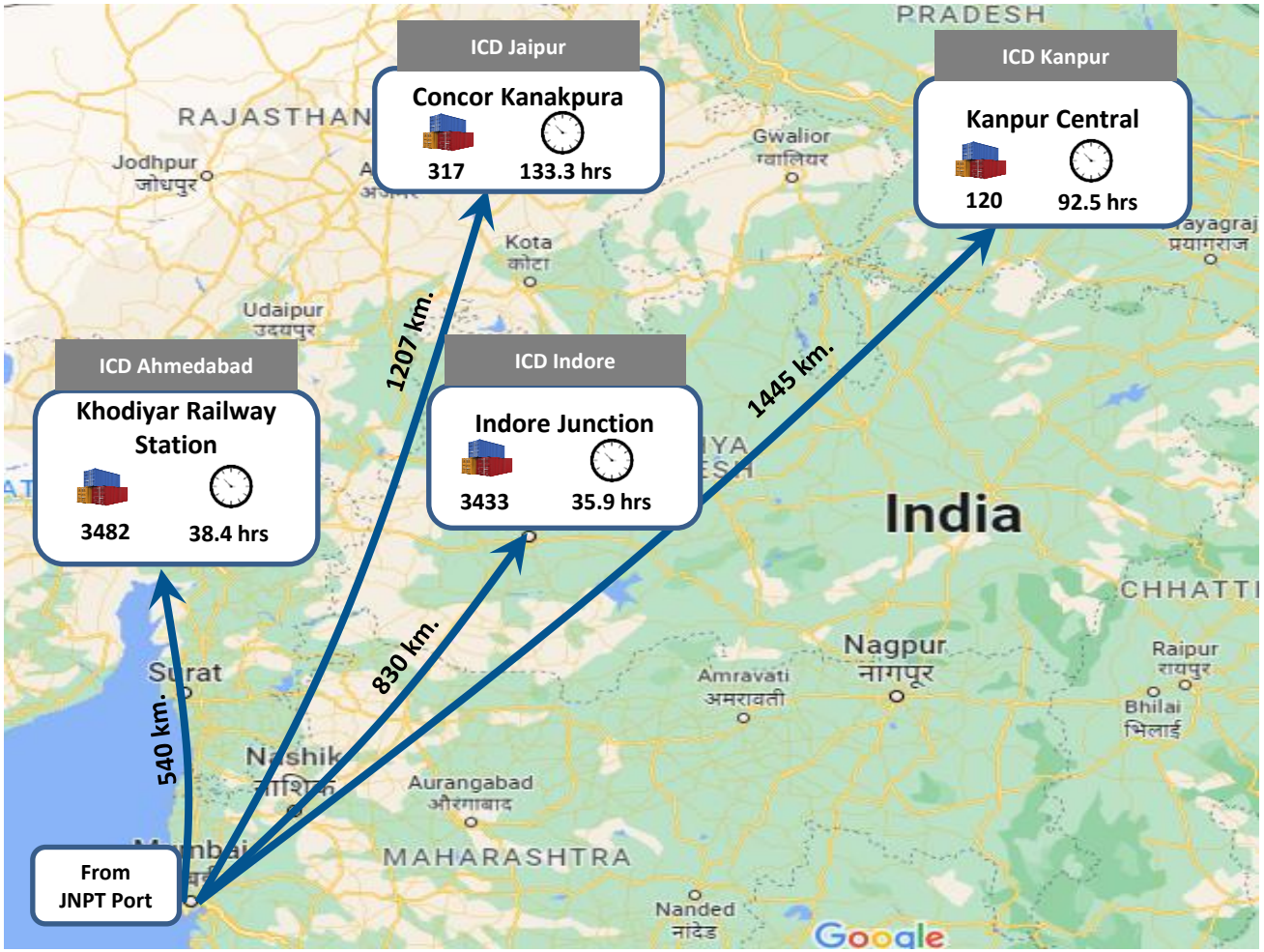


Vizag – Kolkata Route: Hourly Speed Analysis



Port To ICD

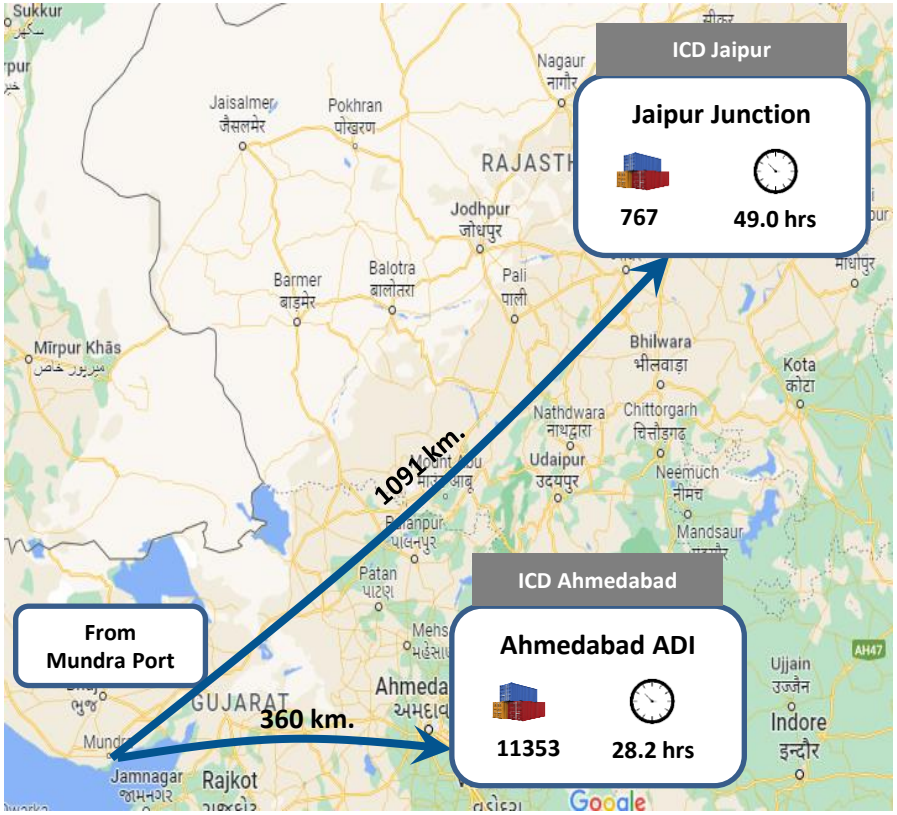
JNPT Port to ICD



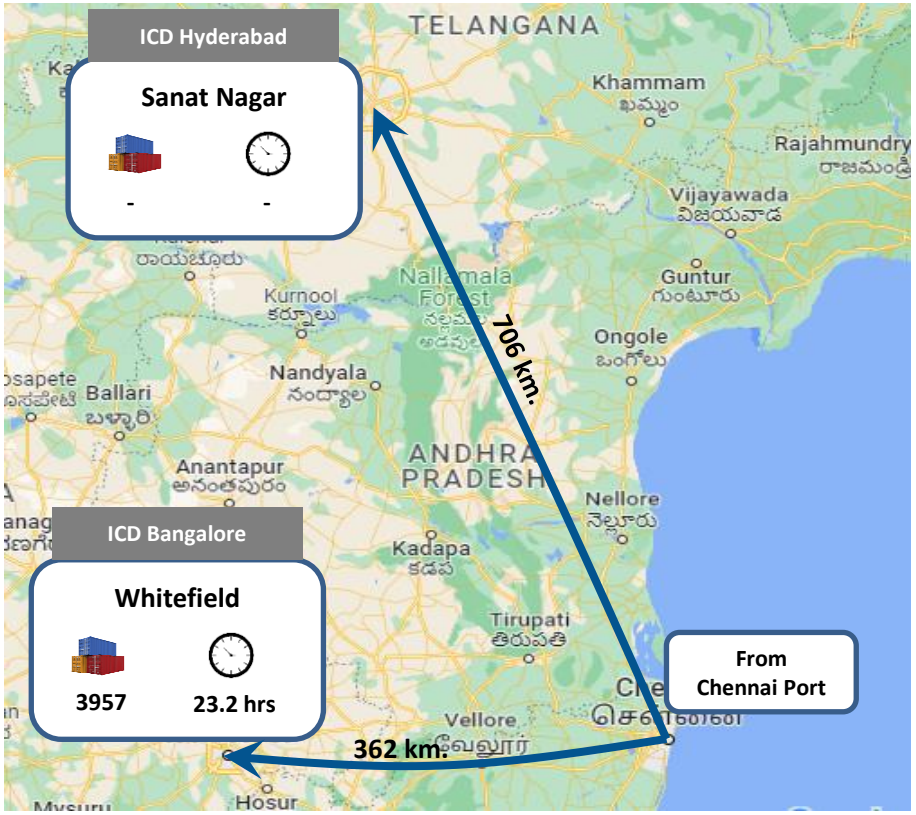
Legend

- No. of Containers
- Avg. Transit Time

Mundra Port to ICD



Chennai Port to ICD




THANK YOU