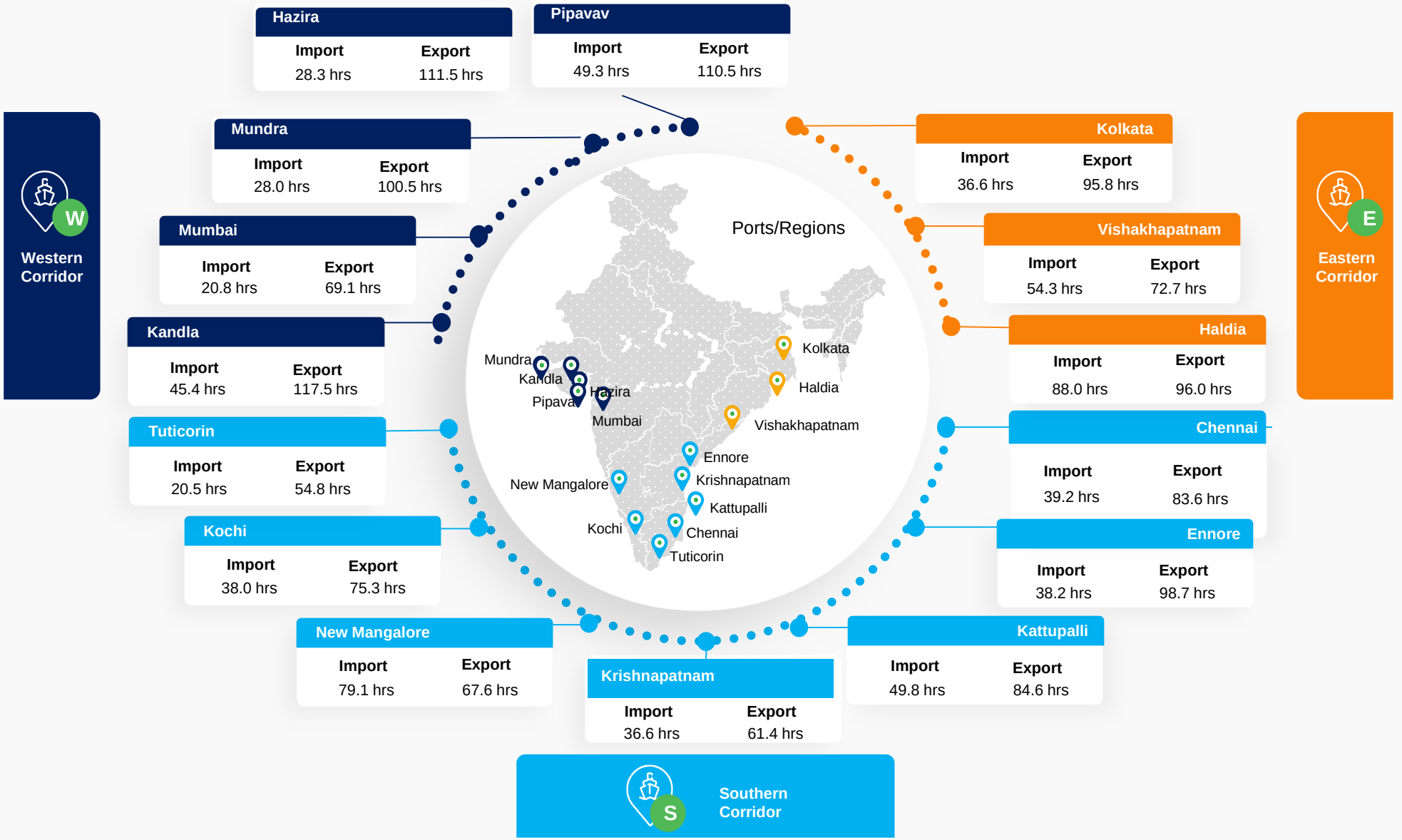
Logistics Databank Analytics Report

OND 2022

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

© NICDC Logistics Data Services Limited

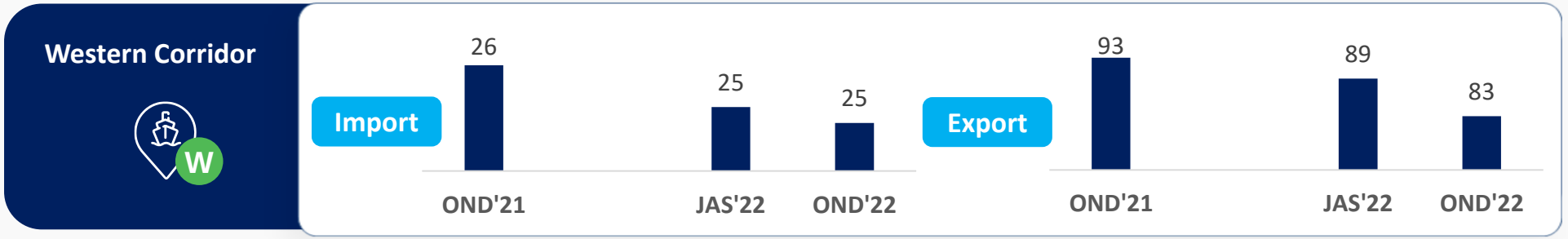
PAN INDIA Performance Snapshot: OND 2022 (Dwell Time)

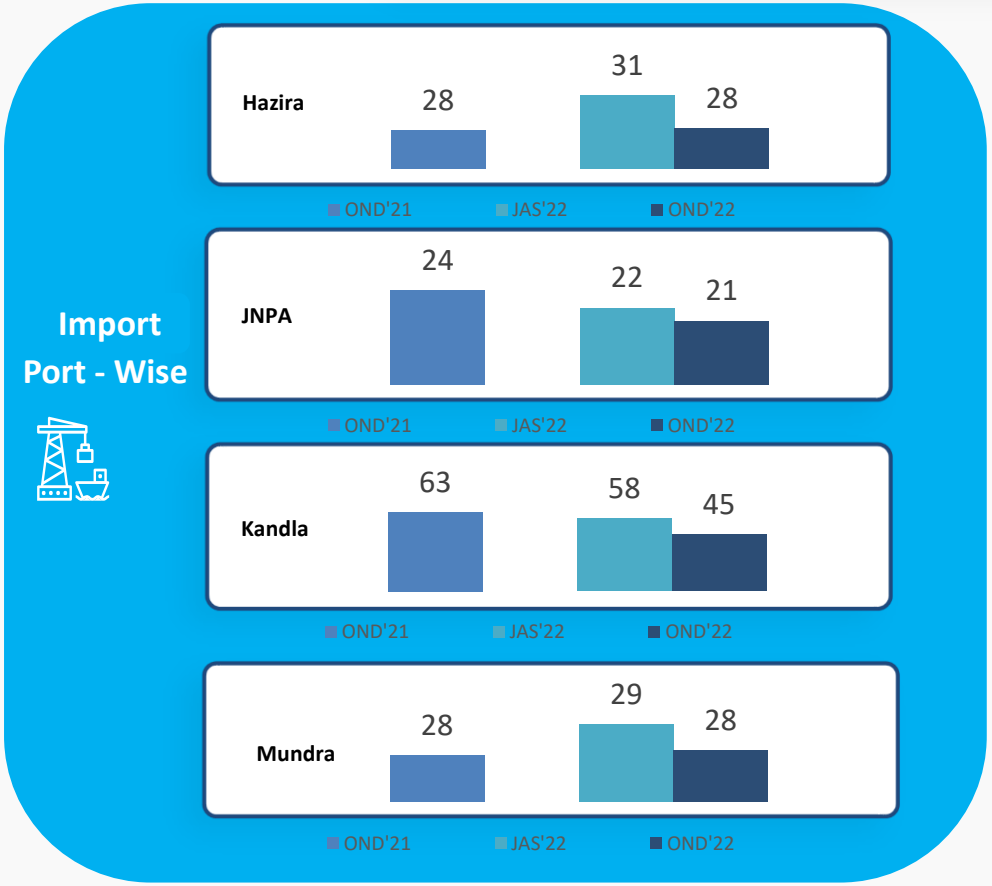


© NICDC Logistics Data Services Limited

Port Dwell Time Performance – Western Corridor

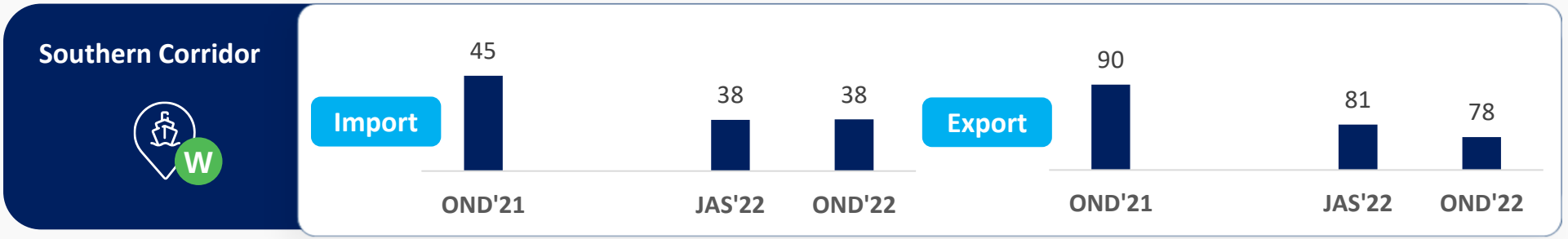
Dwell Time Performance – Western Corridor (in hrs)

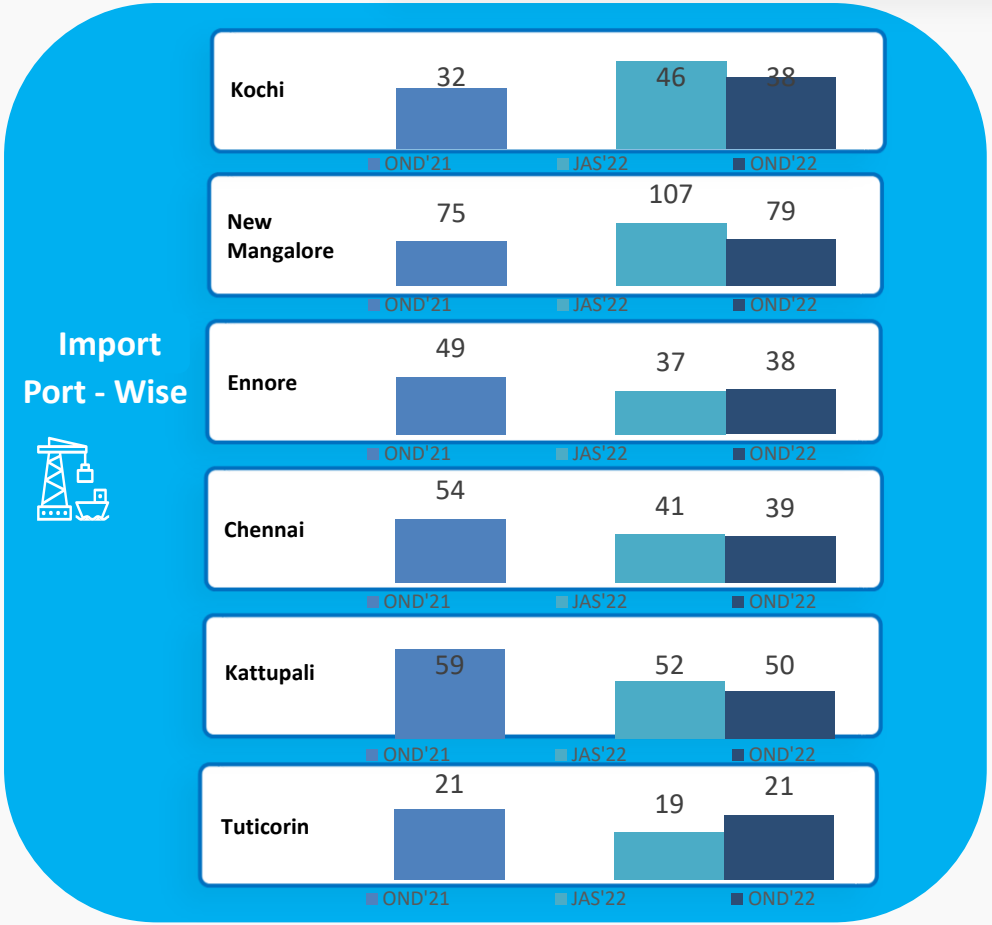


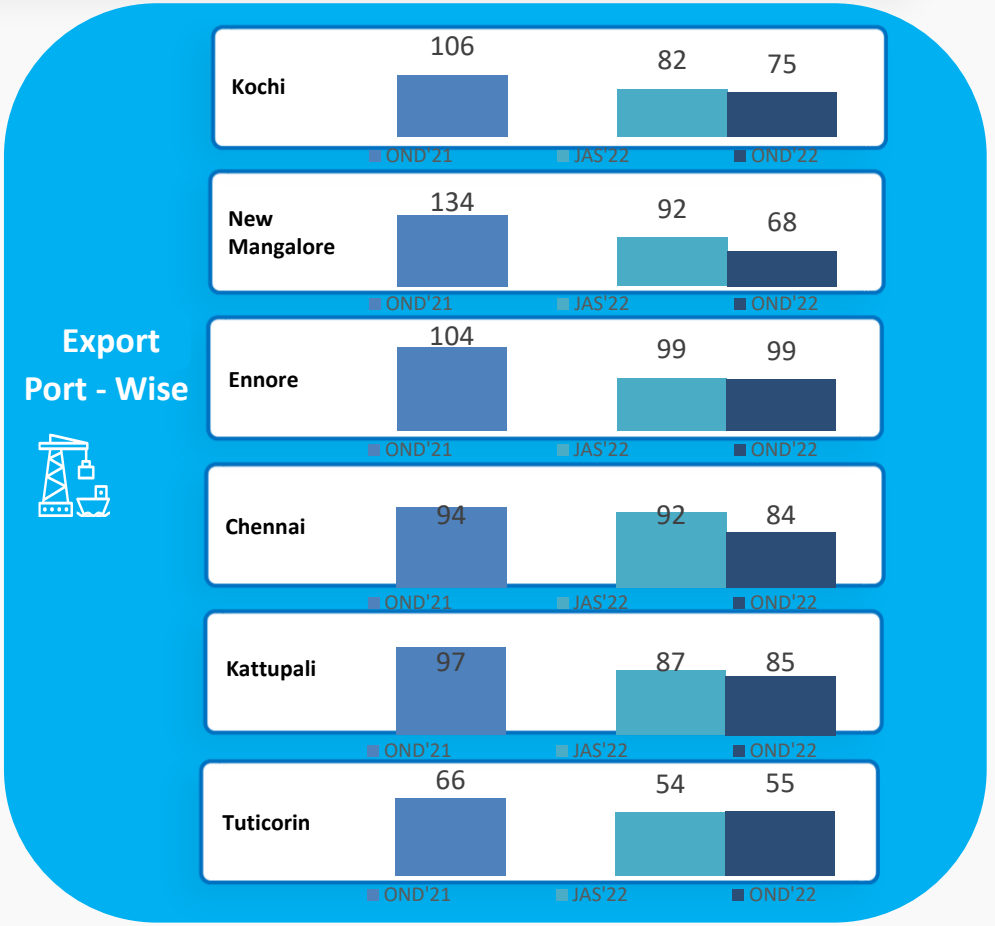


Port Dwell Time Performance – Southern Corridor

Dwell Time Performance – Southern Corridor (in hrs)





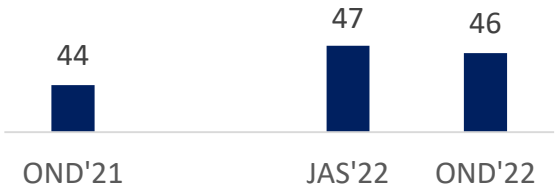


Port Dwell Time Performance – Eastern Corridor

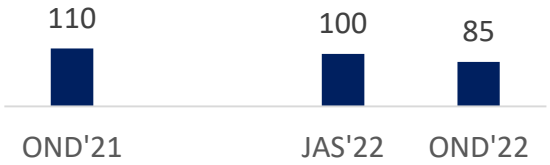
Dwell Time Performance – Eastern Corridor (in hrs)

Eastern Corridor

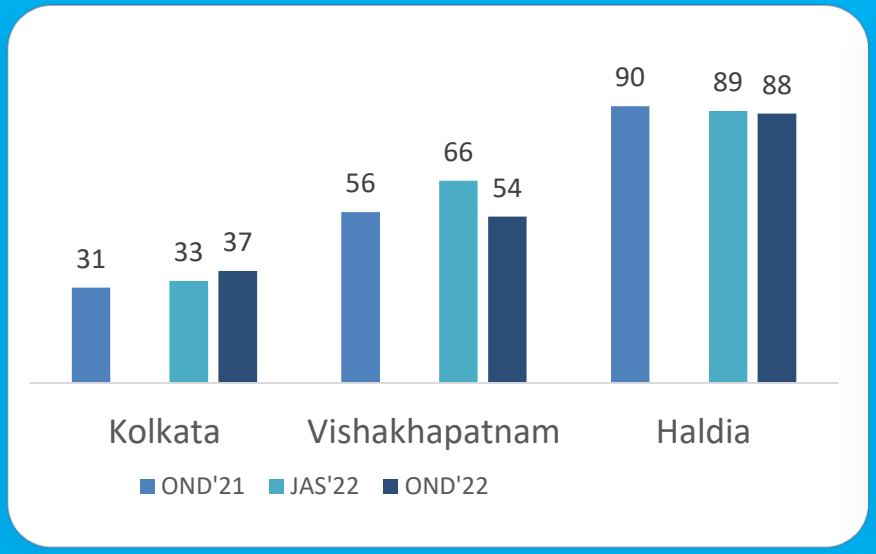
Import

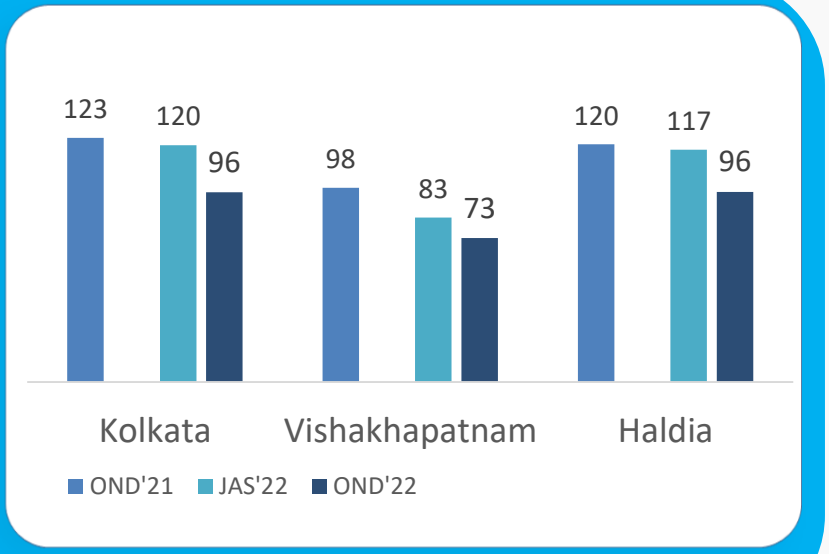


Export



Port - Wise





Critical Incident Summary

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has improved by 3.5% from last quarter and 6.8% from last year & Export Cycle improved by 6.5% from last quarter and 9.8% from last year.
- The container handling performance at CFS has improved by 3.3% from last quarter and 5.9% from last year. Also, ICD performance has improved by 3.9% from last quarter and 2.2% from last year.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
OND'22	24.5 hrs ↑	83.4 hrs ↑	82.8 hrs ↑	114.7 hrs ↑
JAS'22	25.4 hrs ↑	89.2 hrs ↑	85.6 hrs ↑	119.3 hrs ↑
OND'21	26.3 hrs	92.5 hrs	88.0 hrs	117.3 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 0.5% from last quarter and 15.1% from last year & Export Cycle has improved by 3.6% from last quarter and 13.7% from last year.
- The container handling performance at CFS has deteriorated by 2.3% from last quarter and has improved 0.6% from last year.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
OND'22	38.1 hrs ↑	77.7 hrs ↑	103.7 hrs ↓
JAS'22	38.3 hrs ↑	80.6 hrs ↑	101.4 hrs ↑
OND'21	44.9 hrs	90.0 hrs	104.3 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has improved by 1.5% from last quarter and deteriorated by 5.9% from last year & Export Cycle has improved by 15.3% from last quarter and 23.0% from last year.
- The container handling performance at CFS has deteriorated by 1.2% from last quarter and 5.3% from last year.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
OND'22	46.4 hrs ↑	84.9 hrs ↑	131.1 hrs ↓
JAS'22	47.1 hrs ↓	100.2 hrs ↑	129.6 hrs ↓
OND'21	43.8 hrs	110.3 hrs	124.5 hrs

© NICDC Logistics Data Services Limited

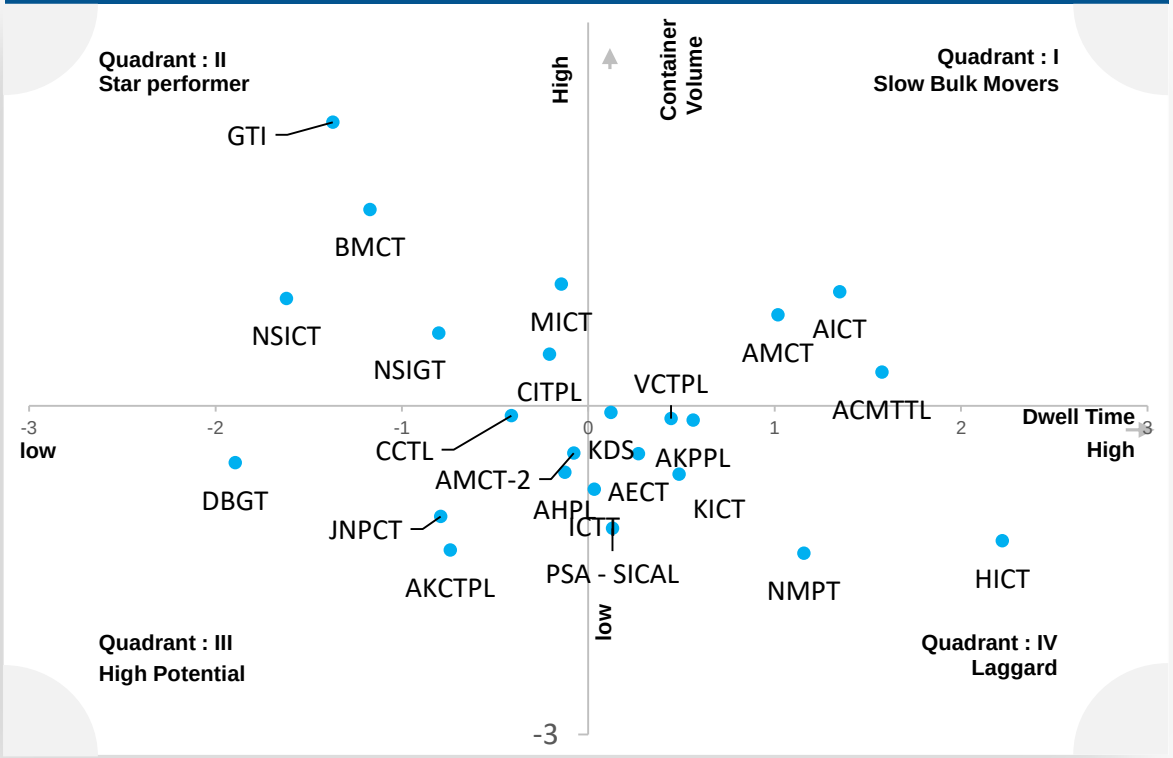
Port Performance

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 – OND'22



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

Top Performing Terminal
Gateway Terminals India (GTI)
OND'22
37.8 hrs

Low Performing Terminal
Haldia International Container Terminal (HICT)
OND'22
89.6 hrs

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

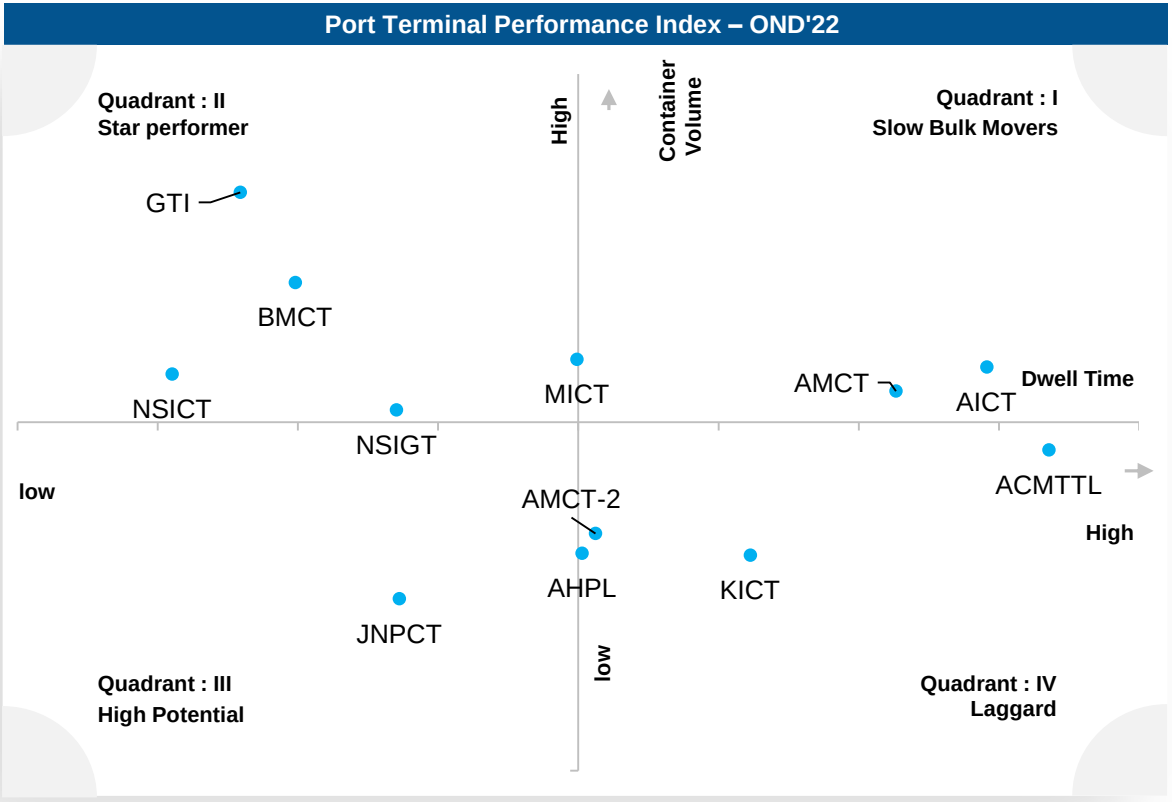
Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

© NICDC Logistics Data Services Limited

Port Performance Benchmarking & Performance Index - Western Corridor

Performance Benchmarking - Port Terminals

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



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

Top Performing Terminal
Gateway Terminals India (GTI)
OND'22
37.8 hrs

Low Performing Terminal
Adani CMA Mundra Terminal (ACMTPL)
OND'22
80.2 hrs

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

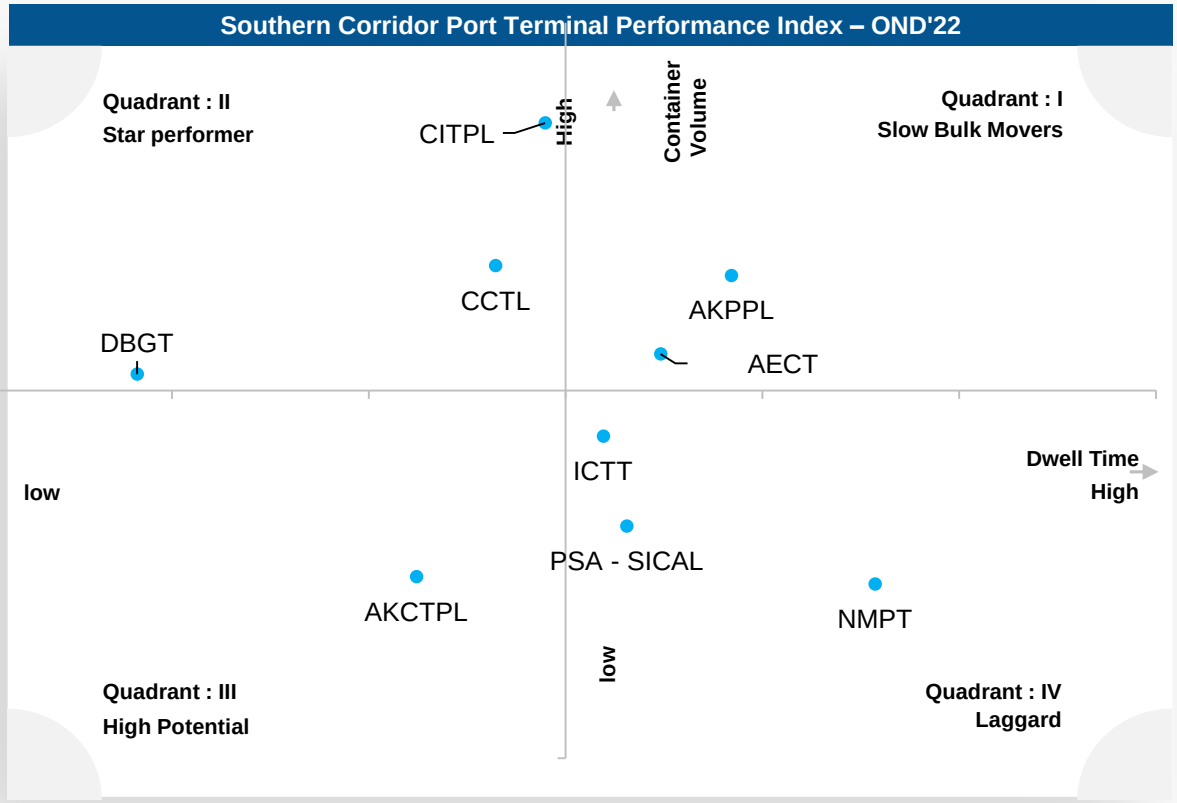
Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

© NICDC Logistics Data Services Limited

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 OND'22

Top Performing Terminal
Dakshin Bharat Gateway Terminal (DBGT)
OND'22
30.2 hrs

Low Performing Terminal
New Mangalore Port Trust (NMPT)
OND'22
74.2 hrs

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

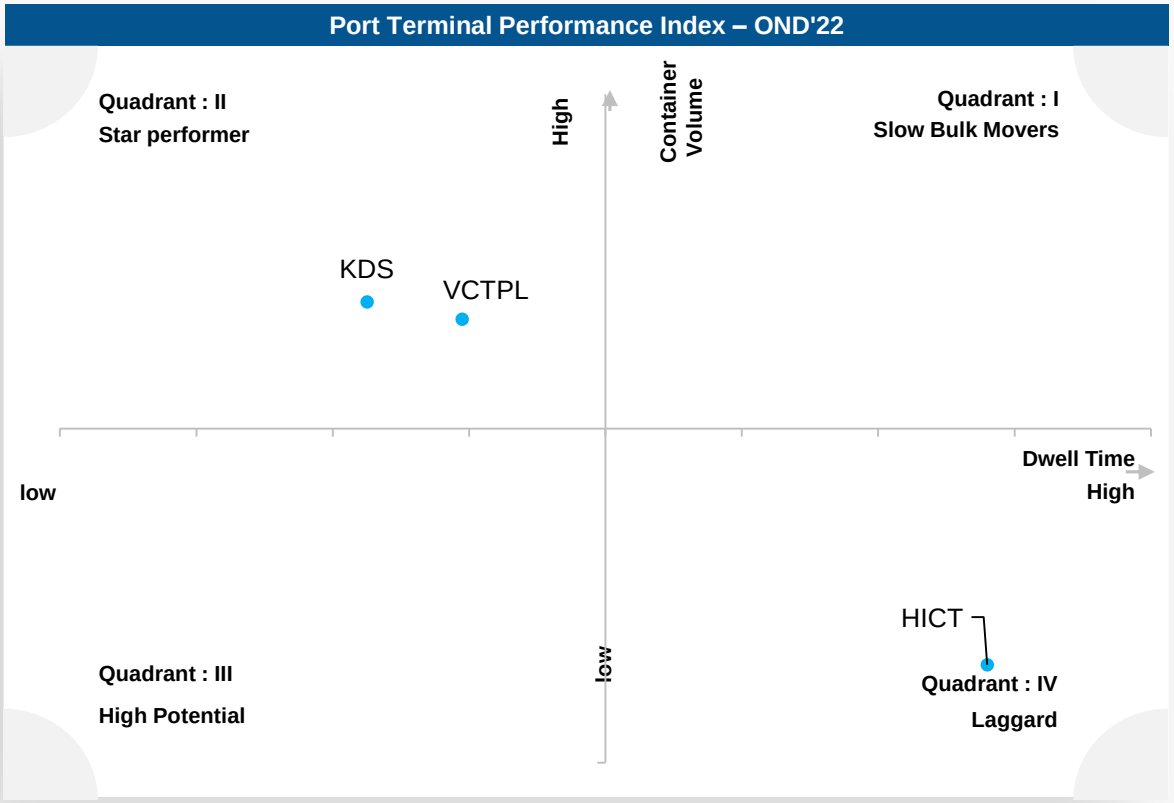
High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time

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

© NICDC Logistics Data Services Limited

Performance Benchmarking - Port Terminals

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



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

Top Performing Terminal
Kolkata Dock System (KDS) , Kolkata Port
OND'22
59.3 hrs

Low Performing Terminal
Haldia International Container Terminal (HICT)
OND'22
89.6 hrs

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

© NICDC Logistics Data Services Limited

Annexure

Individual Terminal Performance In

Southern Corridor

Chennai Port Terminals: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	15.2	17.3	↓
Truck	41.4	39.7	↑
Overall	**40.7**	**39.2**	↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	2.61	2.88	↓
Towards CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	95.7	101.1	↓

Container Lifecycle (Export Cycle)

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	118.4	106.3	↑
Truck	91.2	83.0	↑
Overall	**91.8**	**83.6**	↑

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	4.56	5.09	↓
From CFS			

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

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

© NICDC Logistics Data Services Limited

Kochi Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	46.5	38.0 ↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
Port to CFS	0.21	0.20 ↑
Towards CFS		

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)
Container Freight Stations (CFS)	121.0	100.7 ↑

Container Lifecycle (Export Cycle)

EXPORT

Port Dwell Time

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	82.2	75.3 ↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
CFS to Port	0.47	0.27 ↑
From CFS		

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

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

© NICDC Logistics Data Services Limited

Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JAS'22 (in hrs)	OND'22 (in hrs)	
Overall	51.6	49.8	↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	2.75	2.90	↓
Towards CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	95.7	101.1	↓

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Overall	86.9	84.6	↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	3.56	3.38	↑
From CFS			

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

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

Container Lifecycle (Export Cycle)

© NICDC Logistics Data Services Limited

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
PSA SICAL	44.2	47.4	↓
DBGT Port terminal	15.3	16.1	↓
Overall	**19.5**	**20.5**	↓

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
PSA SICAL	117.7	69.4	↑
DBGT Port terminal	49.0	51.9	↓
Overall	**54.3**	**54.8**	↓

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	1.76	1.73	↑
Towards CFS			

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	1.47	1.38	↑
From CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	127.3	119.9	↑

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

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

Container Lifecycle (Export Cycle)

© NICDC Logistics Data Services Limited

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

		JAS'22 (in hrs)	OND'22 (in hrs)	
IMPORT	Overall	25.0	36.6	↓
EXPORT	Overall	63.8	61.4	↑

Container Freight Station (CFS) – Dwell Time

		JAS'22 (in hrs)	OND'22 (in hrs)	
ENTITY	Container Freight Stations (CFS)	108.1	100.9	↑

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

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

Container Lifecycle (Export Cycle)

© NICDC Logistics Data Services Limited

Ennore Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	18.9	19.3	↓
Truck	37.8	38.9	↓
Overall	**36.8**	**38.2**	↓

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	119.1	99.3	↑
Truck	98.4	98.6	↓
Overall	**98.8**	**98.7**	↑

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	95.7	101.1	↓

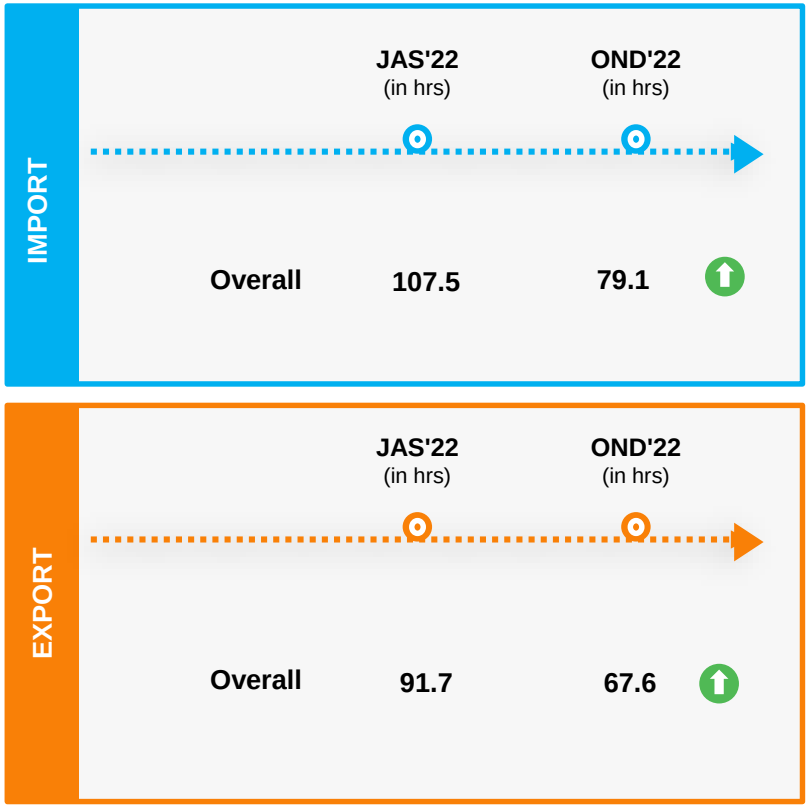
↑ **The marked entries showcase increase in performance in comparison to JAS'22**

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

© NICDC Logistics Data Services Limited

New Mangalore Port Terminal: Container Transportation

Port Dwell Time



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

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

© NICDC Logistics Data Services Limited

Individual Terminal Performance In

Eastern Corridor

Vishakhapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	66.0	54.3 ↑

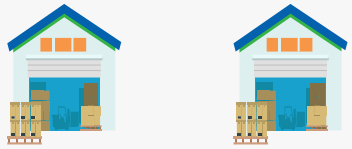
Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
Port to CFS	1.99	2.13 ↓
Towards CFS		

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)
Container Freight Stations (CFS)	136.7	146.0 ↓



Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	83.1	72.7 ↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
CFS to Port	1.92	1.81 ↑
From CFS		

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

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

© NICDC Logistics Data Services Limited

Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → Transit Time

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	33.4	36.6 ↓

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
Port to CFS	1.21	1.36 ↓
Towards CFS		

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)
Container Freight Stations (CFS)	126.0	125.3 ↑

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	119.6	95.8 ↑

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)
CFS to Port	1.25	1.15 ↑
From CFS		

Container Lifecycle (Export Cycle)

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

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

© NICDC Logistics Data Services Limited

Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	JAS'22 (in hrs)	OND'22 (in hrs)	
Overall	88.8	88.0	↑

Transit Time

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	2.87	2.50	↑
Towards CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	138.0	117.9	↑

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Overall	117.4	96.0	↑

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	2.56	2.51	↑
From CFS			

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

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

Container Lifecycle (Export Cycle)

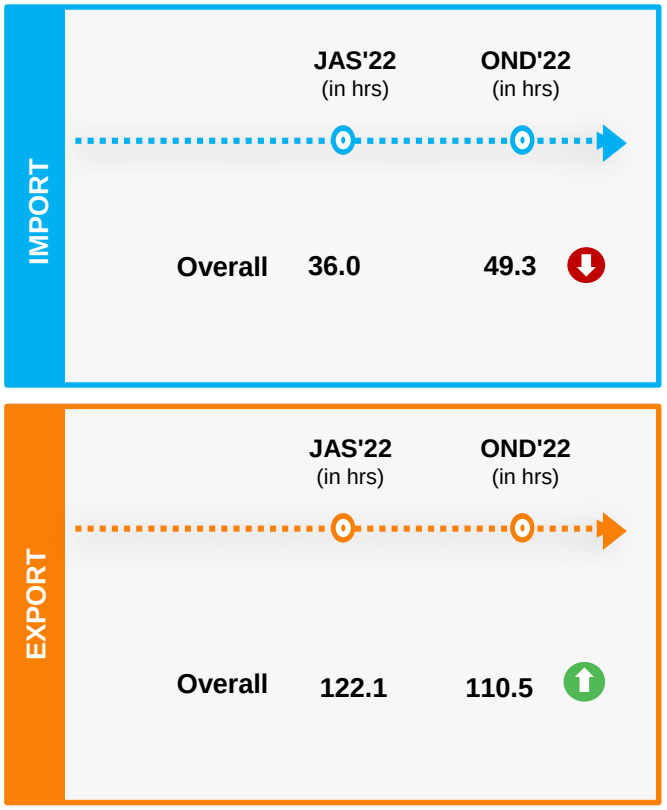
© NICDC Logistics Data Services Limited

Individual Terminal Performance In

Western Corridor

Pipavav Port Terminal: Container Transportation

Port Dwell Time



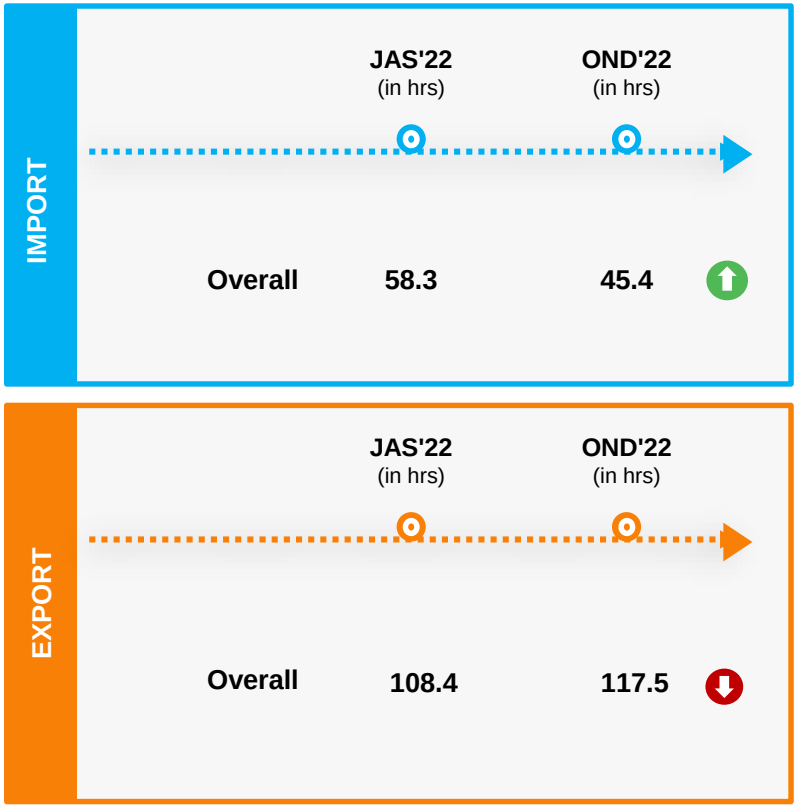
The marked entries showcase increase in performance in comparison to JAS'22

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

© NICDC Logistics Data Services Limited

Kandla Port Terminal: Container Transportation

Port Dwell Time



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

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

© NICDC Logistics Data Services Limited

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	30.8	28.3 ↑

EXPORT	JAS'22 (in hrs)	OND'22 (in hrs)
Overall	125.6	111.5 ↑

Container Freight Station (CFS) – Dwell Time

ENTITY	JAS'22 (in hrs)	OND'22 (in hrs)
Container Freight Stations (CFS)	102.2	98.3 ↑

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

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

Container Lifecycle (Export Cycle)

© NICDC Logistics Data Services Limited

JNPA Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time → **Transit Time**

IMPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	57.9	63.5	↓
Truck	18.4	17.3	↑
Overall	**21.7**	**20.8**	↑

Towards ICD

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	2.93	2.92	↑

Towards CFS

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	91.0	79.5	↑
Truck	70.5	67.9	↑
Overall	**72.8**	**69.1**	↑

From ICD

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	3.16	3.66	↓

From CFS

Container Lifecycle (Export Cycle)

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

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	84.2	80.7	↑
Inland Container Depot (ICD)	119.3	114.7	↑

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

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

© NICDC Logistics Data Services Limited

Mundra Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	76.8	75.5	⬆
Truck	21.7	21.8	⬇
Overall	**29.4**	**28.0**	⬆

EXPORT

	JAS'22 (in hrs)	OND'22 (in hrs)	
Train	149.0	133.5	⬆
Truck	99.4	91.6	⬆
Overall	**111.3**	**100.5**	⬆

Transit Time

Towards ICD

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
Port to CFS	0.97	0.98	⬇

Towards CFS

From ICD

Transit Cycle	JAS'22 (in hrs)	OND'22 (in hrs)	
CFS to Port	0.61	0.66	⬇

From CFS

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

ENTITY

	JAS'22 (in hrs)	OND'22 (in hrs)	
Container Freight Stations (CFS)	87.9	84.7	⬆
Inland Container Depot (ICD)	119.3	114.7	⬆

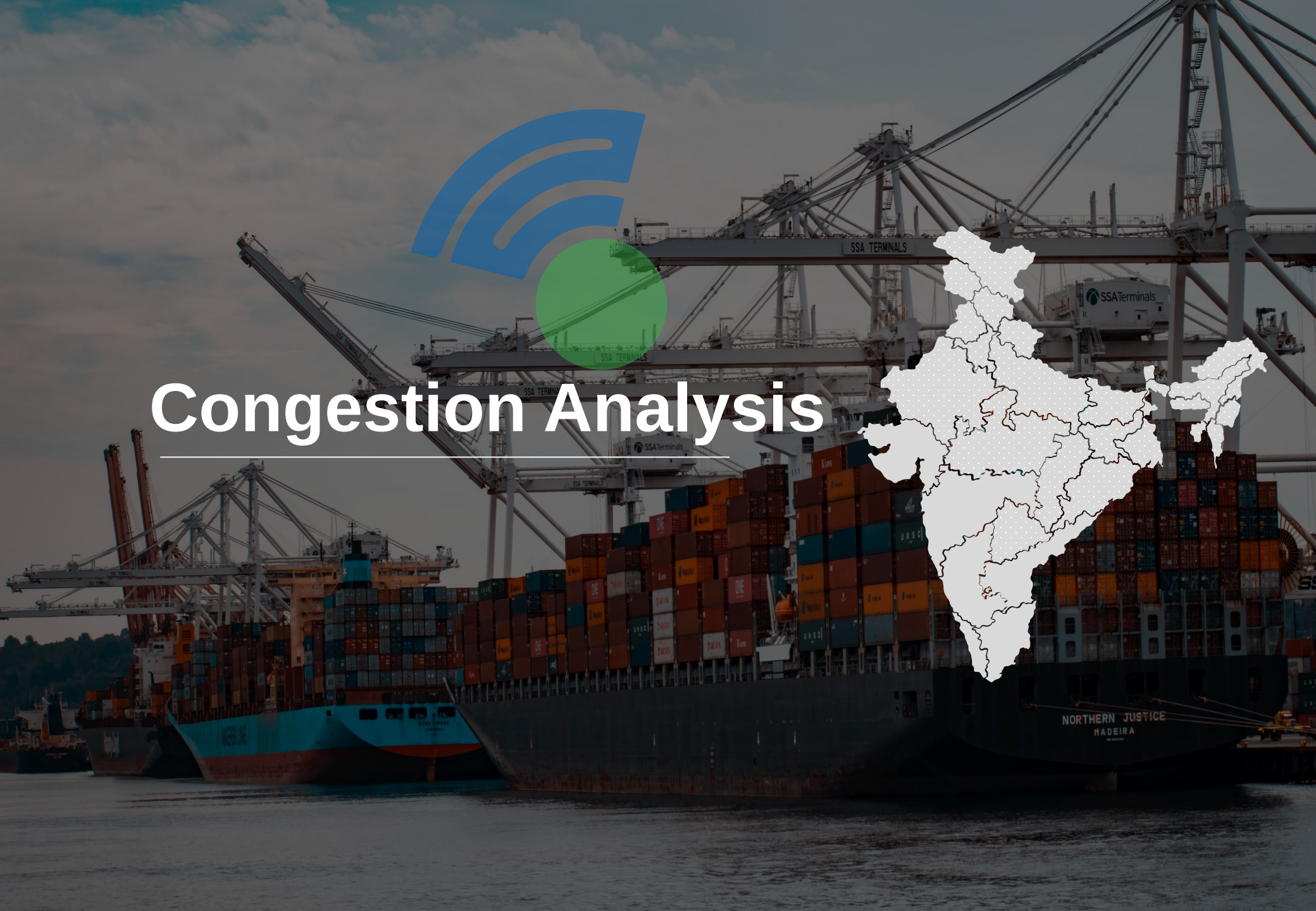
Container Lifecycle (Export Cycle)

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

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

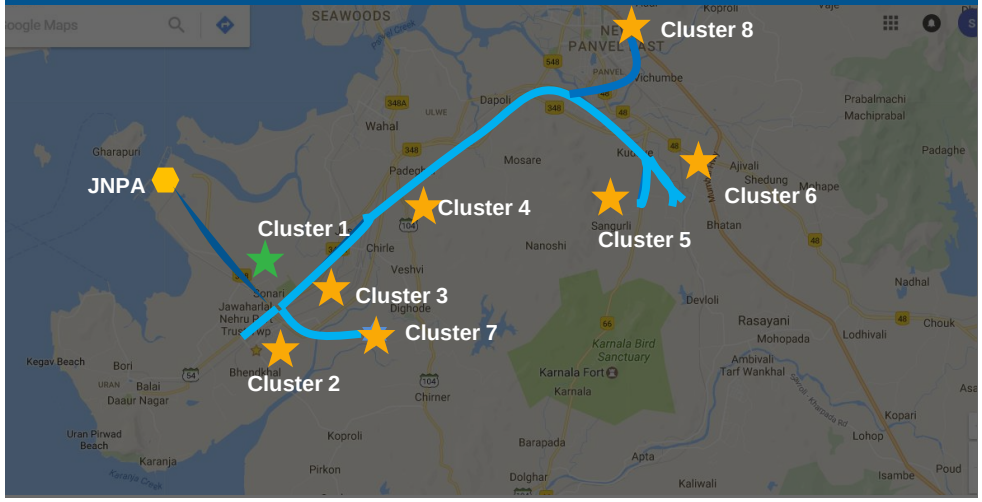
© NICDC Logistics Data Services Limited

Congestion Analysis



JNPA Region: Congestion Analysis

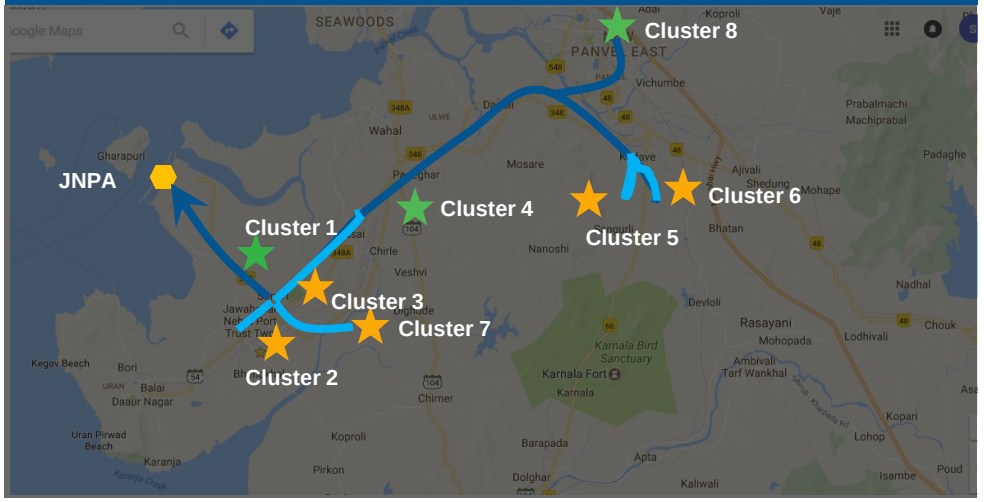
JNPA – Import – OND'22



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 – OND'22



Clusters with bottleneck	
Cluster 1	JNPA area
Cluster 4	Chirle area, JNPA road
Cluster 8	Taloja, navi mumbai

Clusters without bottleneck	
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari 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

© NICDC Logistics Data Services Limited

Mundra Region: Congestion Analysis

Mundra – Import – OND'22

Clusters with bottleneck	

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

Mundra – Export – OND'22

Clusters with bottleneck	

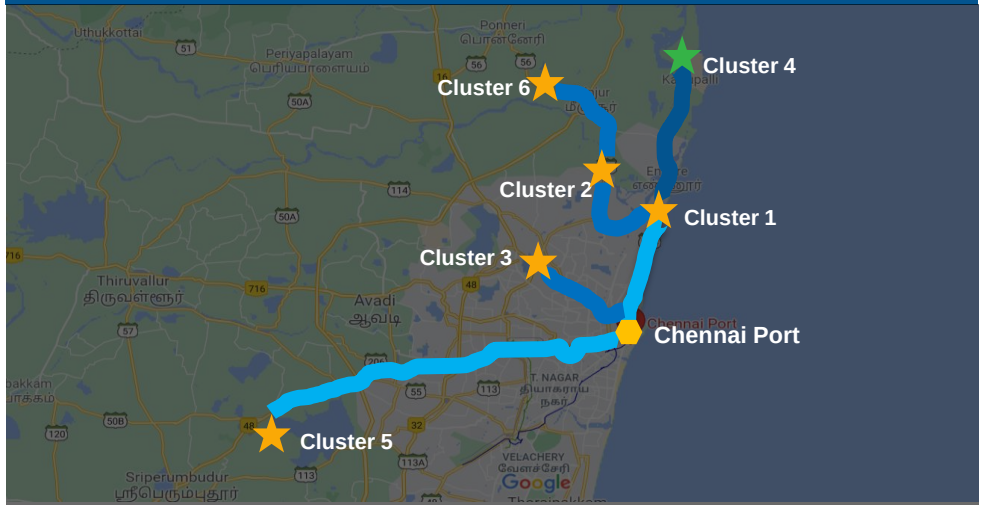
Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

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

© NICDC Logistics Data Services Limited

Chennai Region: Congestion Analysis

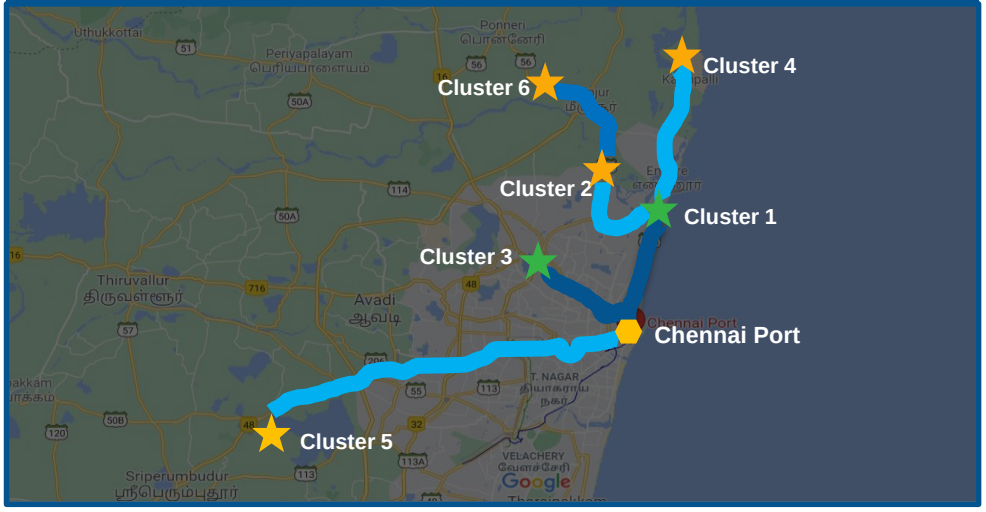
Chennai – Import – OND'22



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 – OND'22



Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 3	Chennai central area

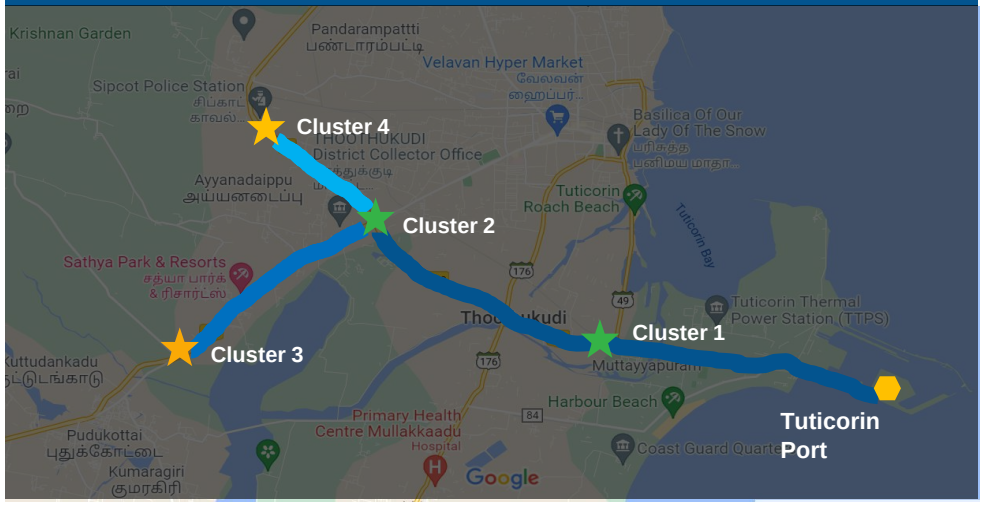
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

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

© NICDC Logistics Data Services Limited

Tuticorin Region: Congestion Analysis

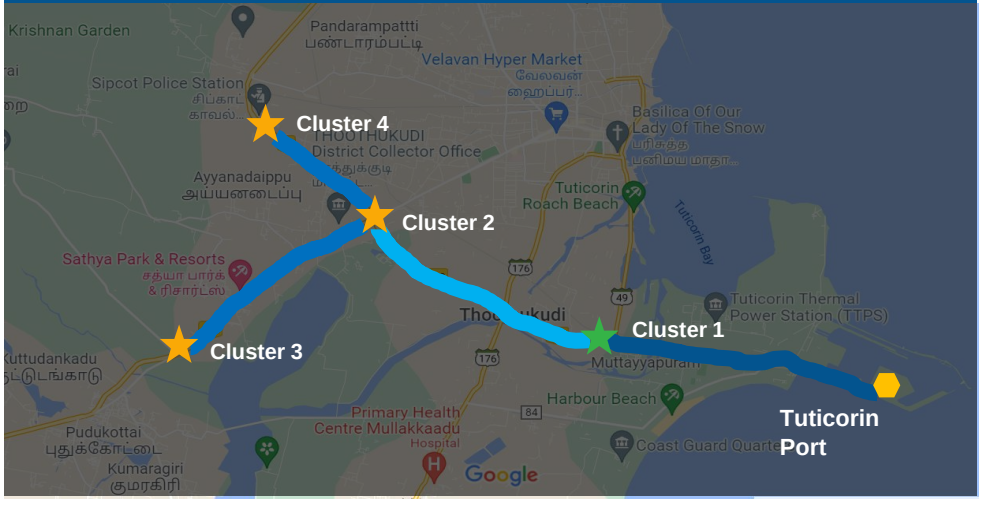
Tuticorin – Import – OND'22



Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road

Clusters without bottleneck	
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

Tuticorin – Export – OND'22



Clusters with bottleneck	
Cluster 1	Near by VOC road

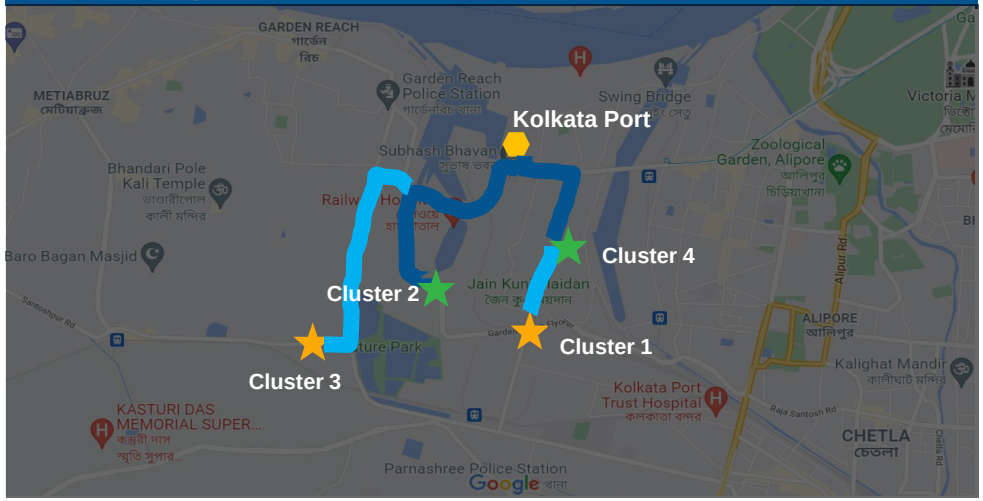
Clusters without bottleneck	
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

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

© NICDC Logistics Data Services Limited

Kolkata Region: Congestion Analysis

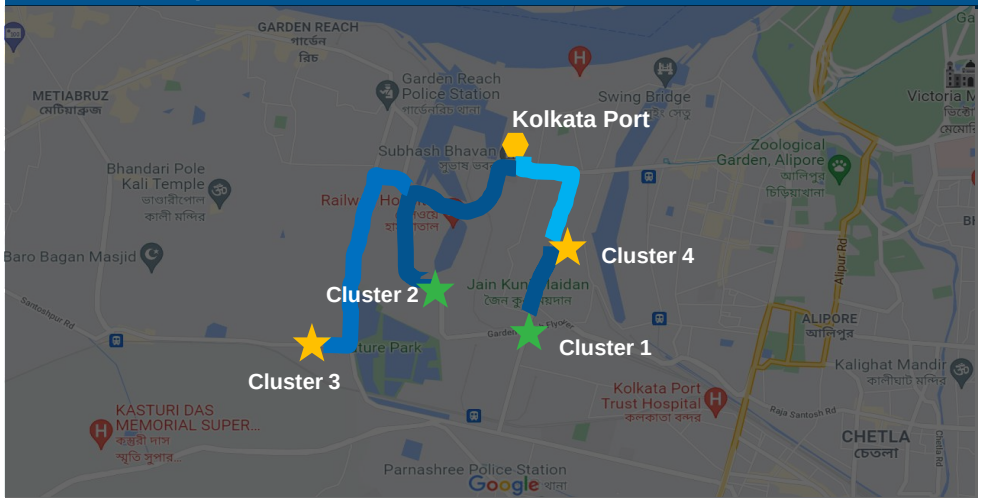
Kolkata – Import – OND'22



Clusters with bottleneck	
Cluster 2	Sonapur road area
Cluster 4	Babu bazar area

Clusters without bottleneck	
Cluster 1	Base bridge area
Cluster 3	Nature park area

Kolkata – Export – OND'22



Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area

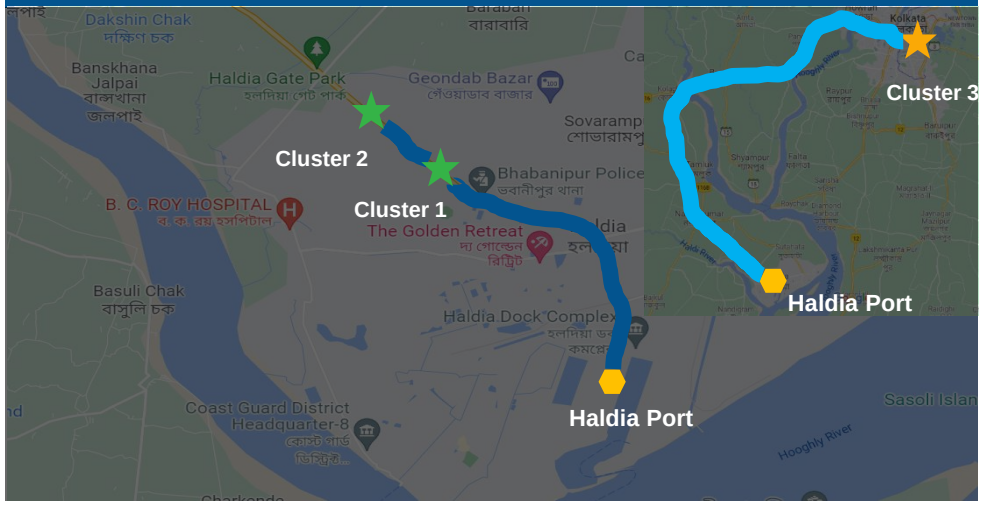
Clusters without bottleneck	
Cluster 4	Babu bazar area
Cluster 3	Nature park area

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

© NICDC Logistics Data Services Limited

Haldia Region: Congestion Analysis

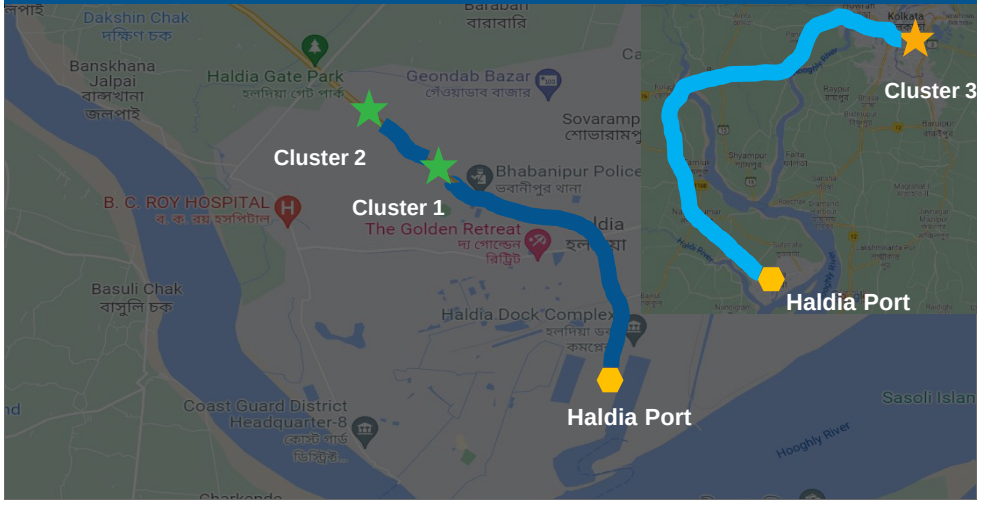
Haldia – Import – OND'22



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 – OND'22



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

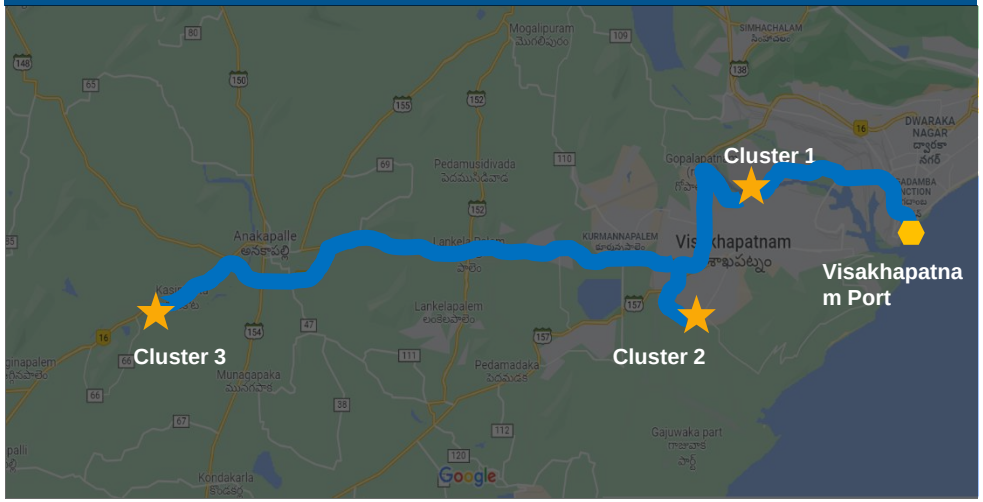
Clusters without bottleneck	
Cluster 3	Silpodanga area

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

© NICDC Logistics Data Services Limited

Visakhapatnam Region: Congestion Analysis

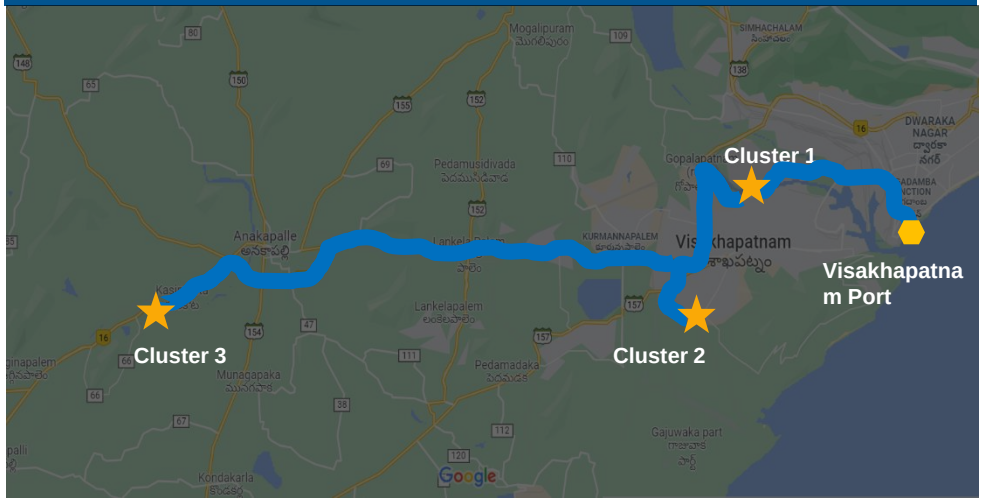
Visakhapatnam – Import – OND'22



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 – OND'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

© NICDC Logistics Data Services Limited

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	98.3 hrs
Road	144.7 hrs
Rail	90.0 hrs

Haldia Port Terminal

Mode	ICP Raxaul
Overall	-

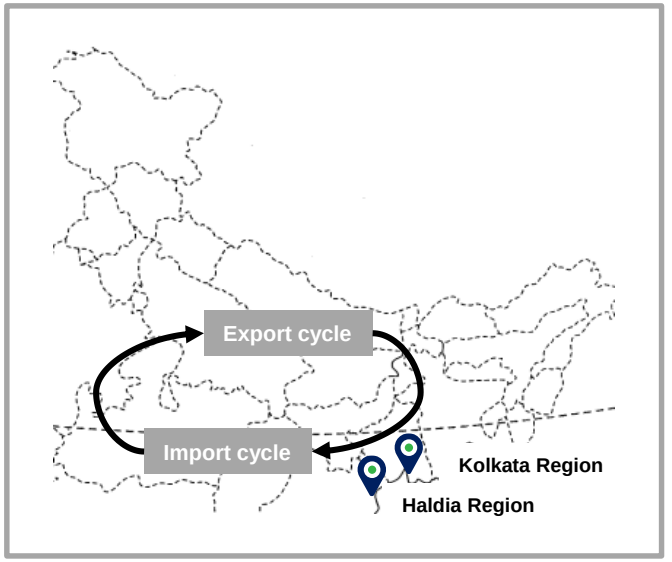
Export Cycle

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	500.3 hrs
Road	295.7 hrs
Rail	507.3 hrs

Haldia Port Terminal

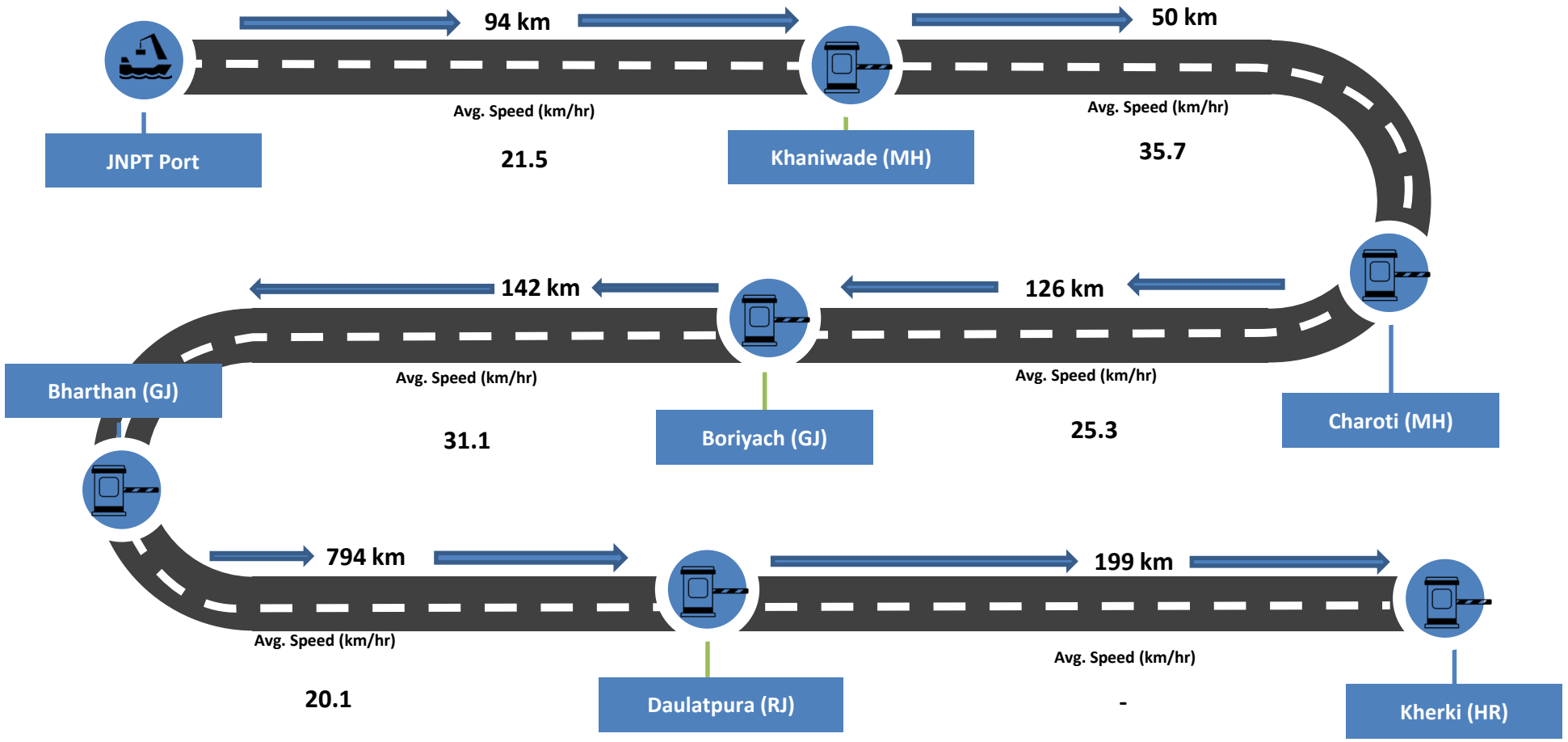
Mode	ICP Raxaul
Overall	784.7 hrs



© NICDC Logistics Data Services Limited

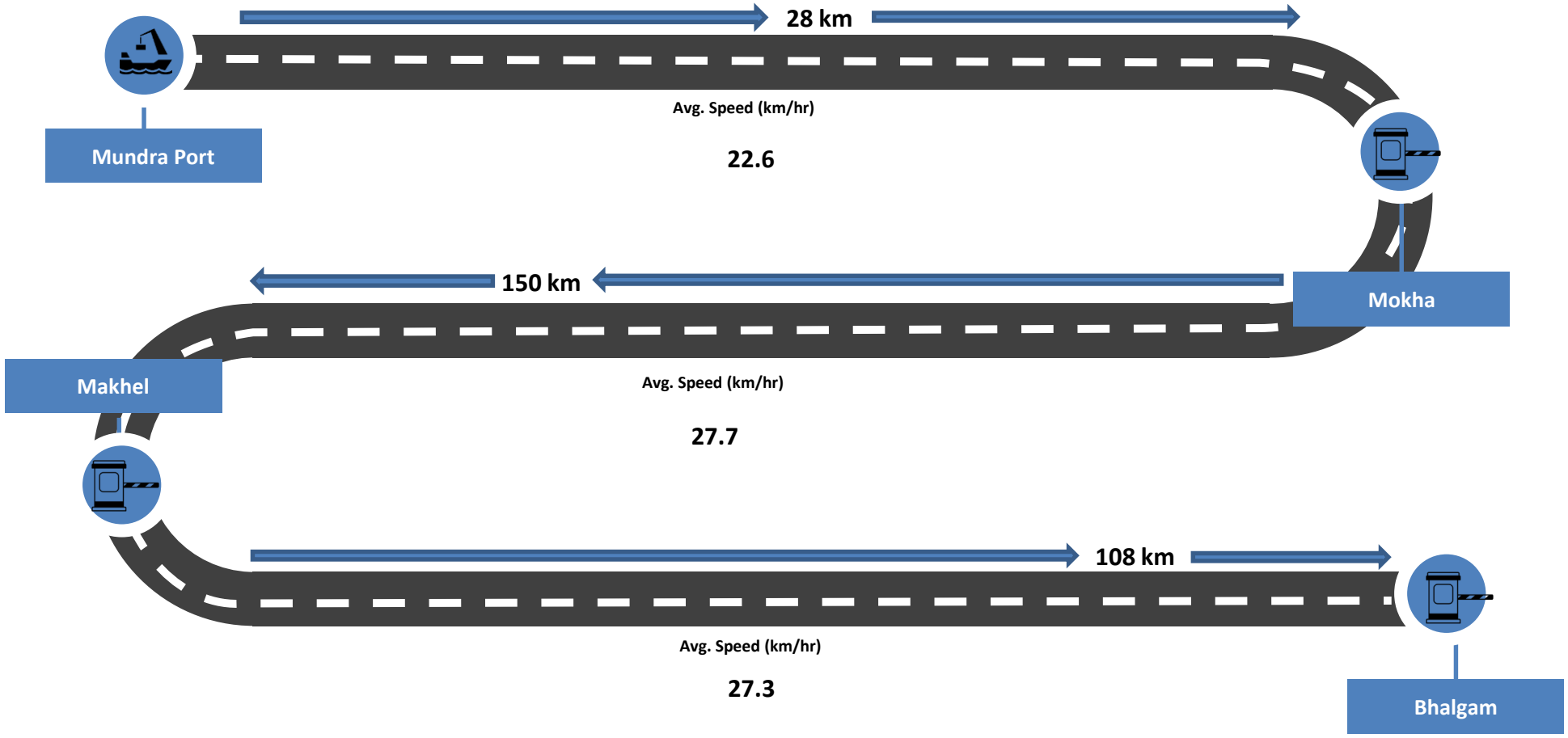
Highway Congestion Analysis

JNPT – Delhi Route: Hourly Speed Analysis



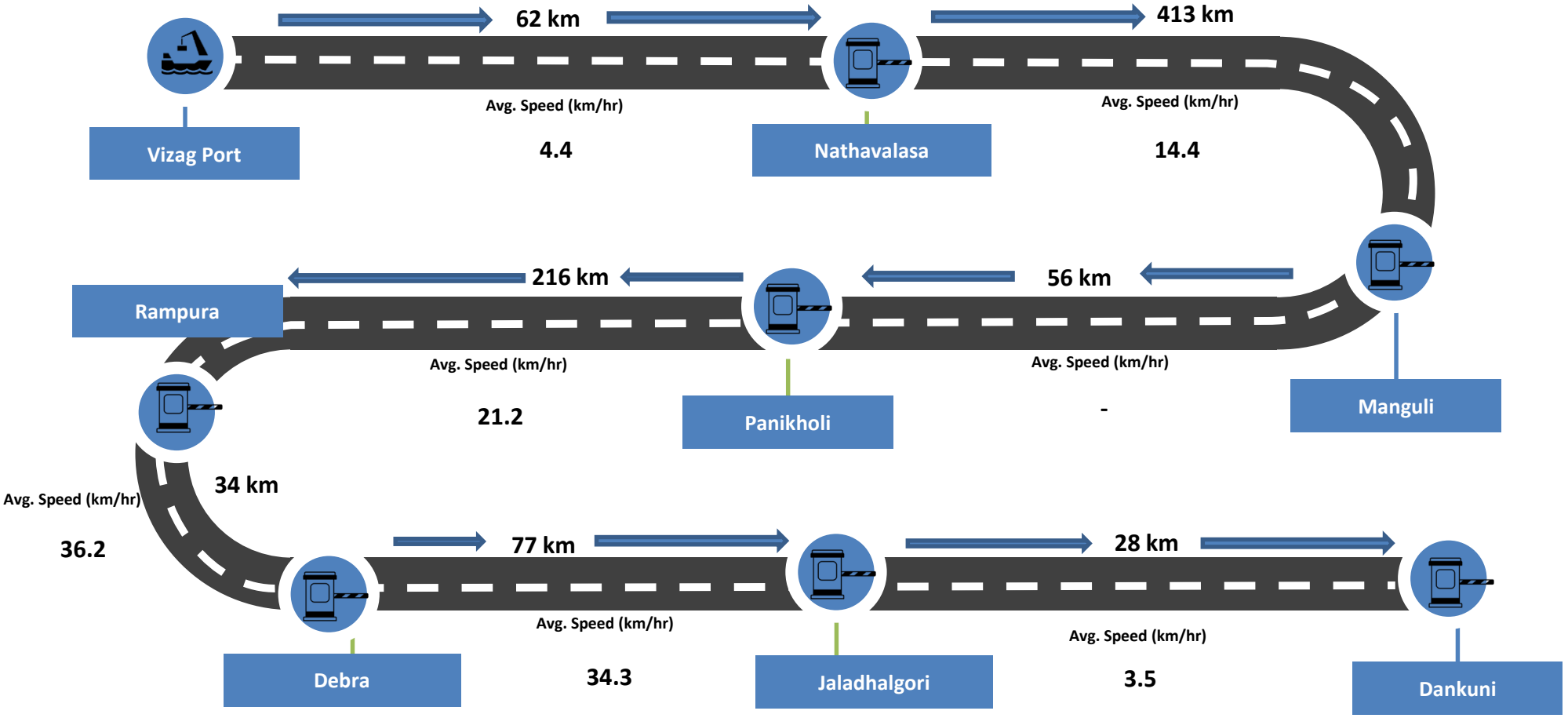
Note: *Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.*

Mundra – Delhi Route: Hourly Speed Analysis



Note: *Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.*

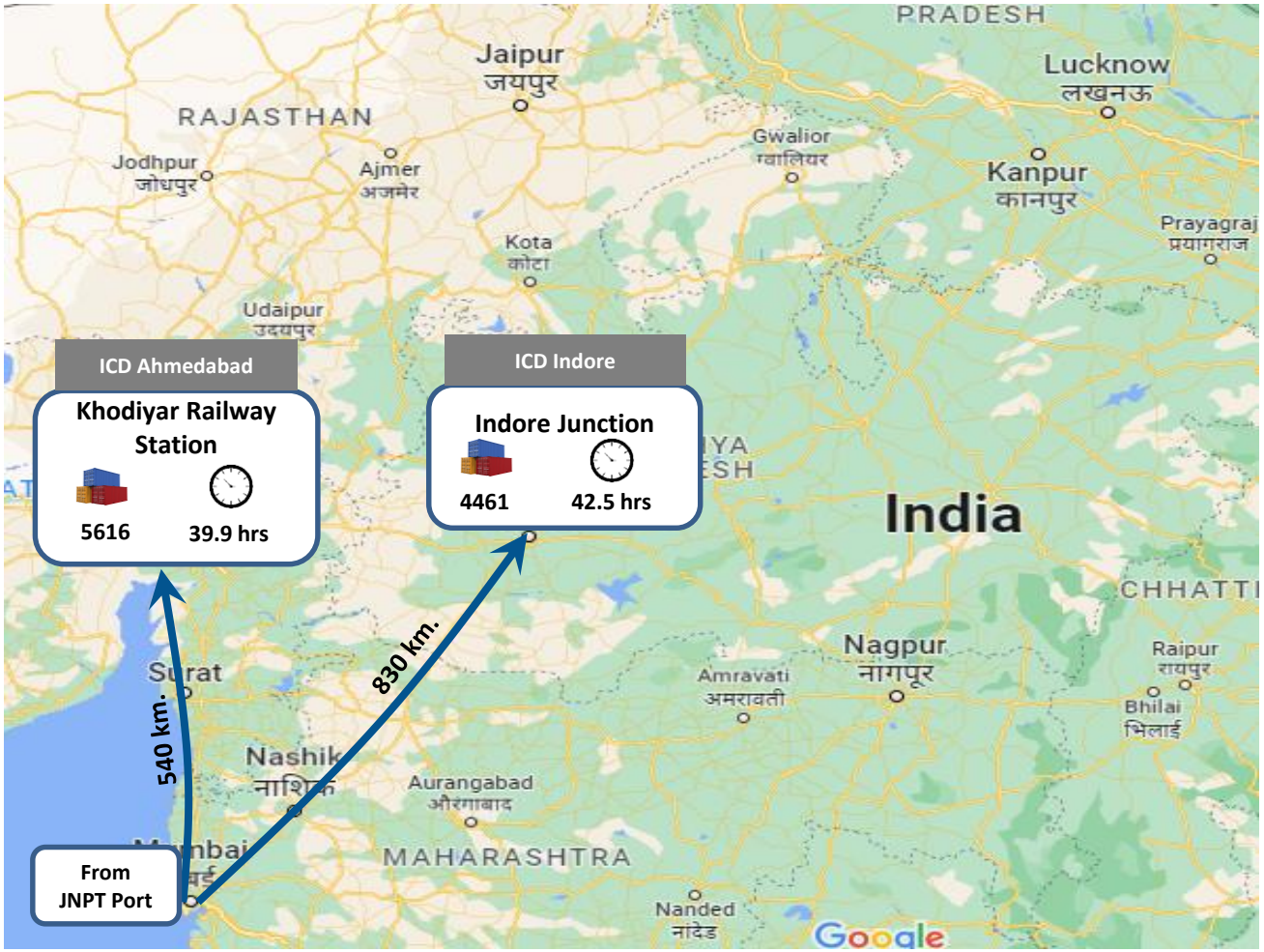
Vizag – Kolkata Route: Hourly Speed Analysis



Note: *Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.*

Port To ICD

JNPT Port to ICD



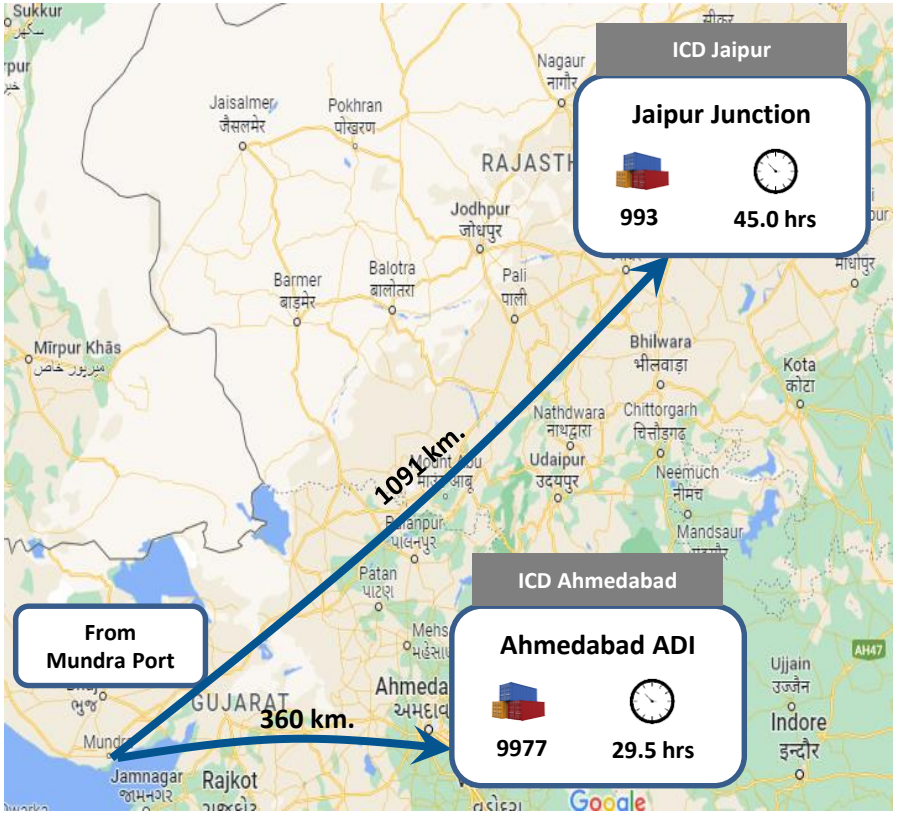
Legend

- No. of Containers
- Avg. Transit Time

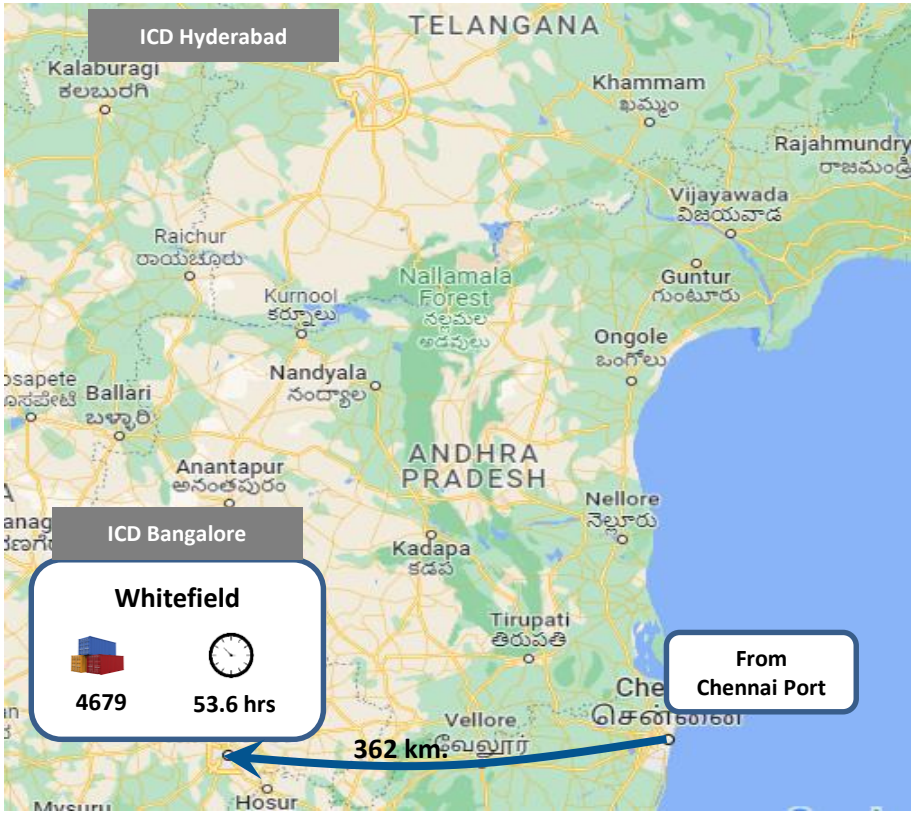
Note: *Due to data discrepancy, ICD Kanpur and ICD Jaipur have been removed.*

© NICDC Logistics Data Services Limited

Mundra Port to ICD



Chennai Port to ICD

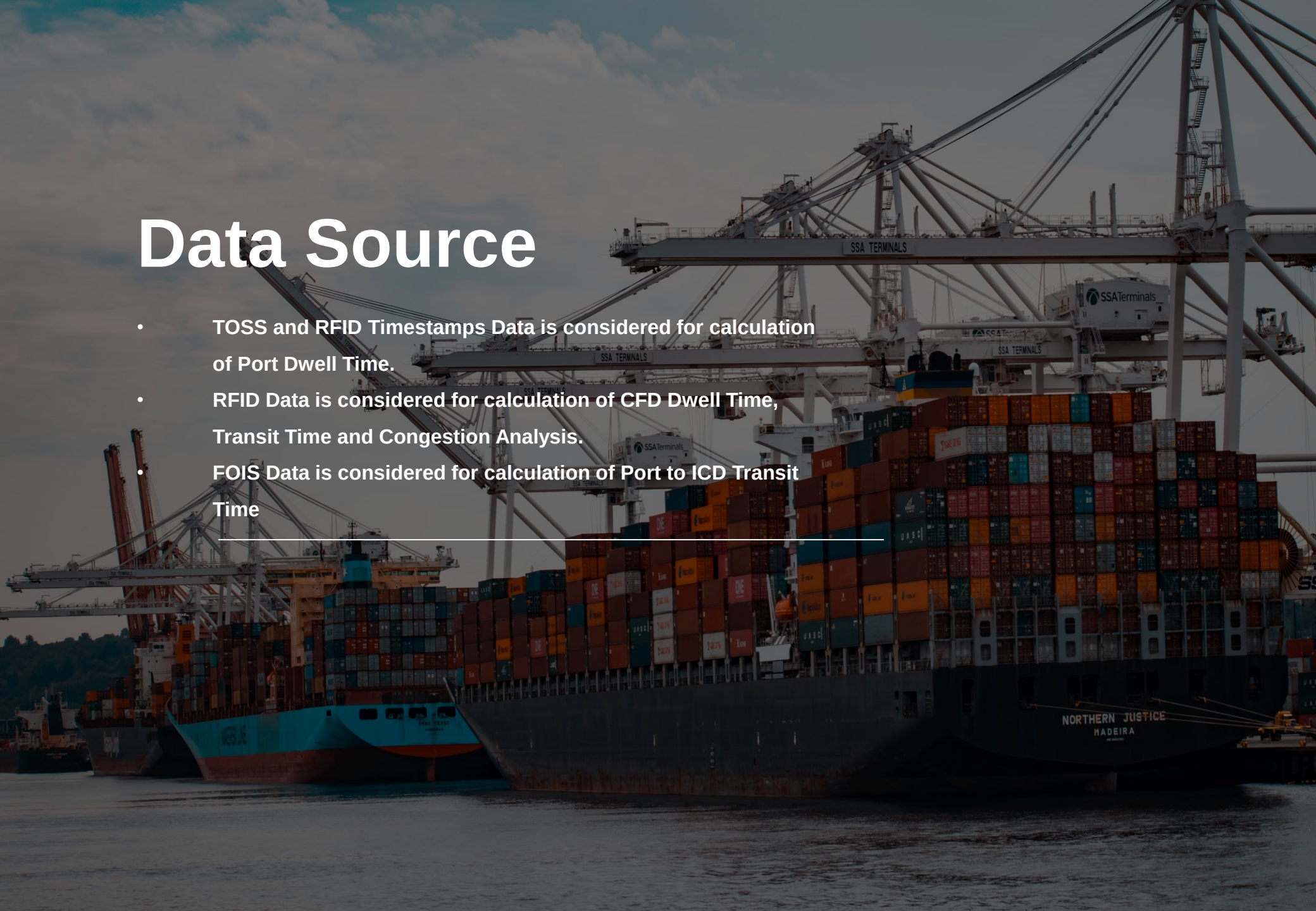


Note: *Due to data discrepancy, ICD Hyderabad (Sanat Nagar) has been removed.*

© NICDC Logistics Data Services Limited

Data Source

- TOSS and RFID Timestamps Data is considered for calculation of Port Dwell Time.
- RFID Data is considered for calculation of CFD Dwell Time, Transit Time and Congestion Analysis.
- FOIS Data is considered for calculation of Port to ICD Transit Time



THANK YOU