



# Logistics Databank Analytics Report

February 2022



# Index

## Section 01

### Report Inference

This sections depicts the inference and major highlights of the report

1. [Pan India Performance](#)
2. [Port Dwell Time Performance – Corridor & Terminal wise Performance](#)
3. [Critical Incident Summary](#)
4. [Pan India - Port Performance Benchmarking & Performance Index](#)
5. [Pan India - CFS Performance Benchmarking & Performance Index](#)
6. [Region wise segmentation, Western Region ICD performance and region wise CFS performance](#)

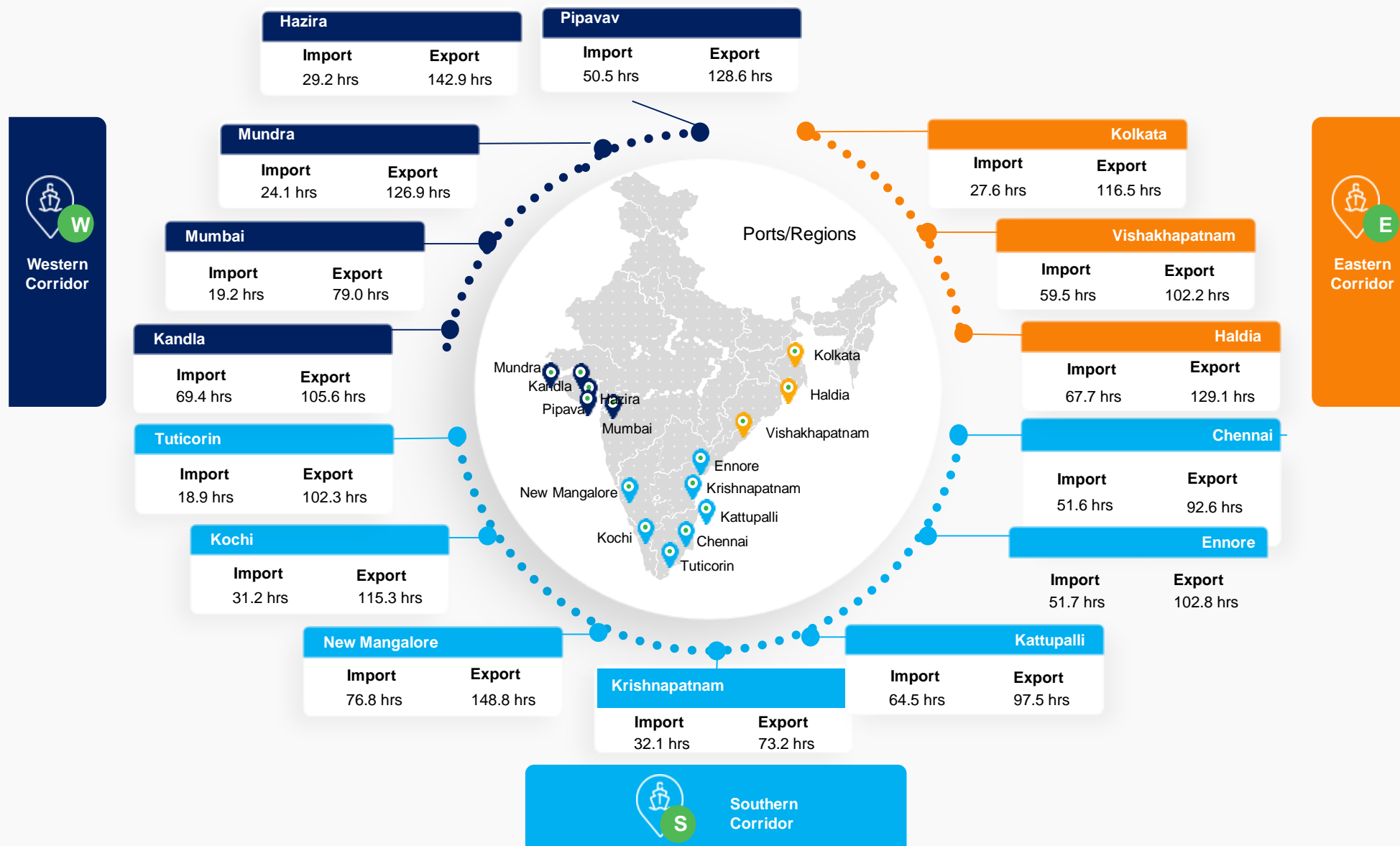
## Section 02

### Annexure

This sections depicts the analysis of Individual Port Terminals region-wise

1. [Individual Terminal Performance In Southern Corridor](#)
2. [Individual Terminal Performance In Eastern Corridor](#)
3. [Individual Terminal Performance In Western Corridor](#)
4. [Congestion Analysis](#)
5. [Analysis of Container Movement across India](#)

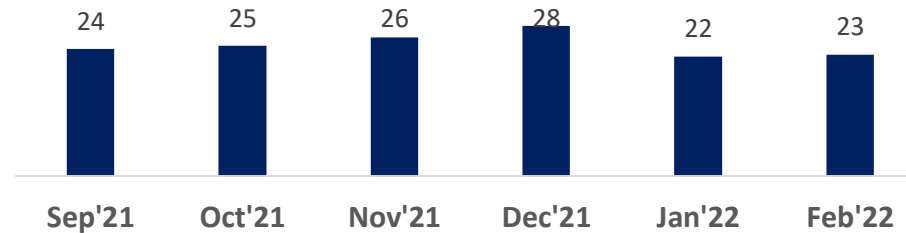
# PAN INDIA Performance Snapshot: February 2022 (Dwell Time)



# Port Dwell Time Performance – Western Corridor (Import Cycle)

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

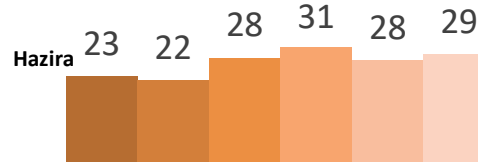
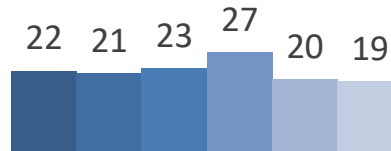
### Western Corridor



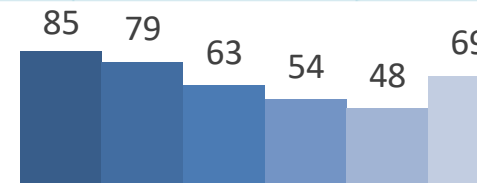
### Port - Wise



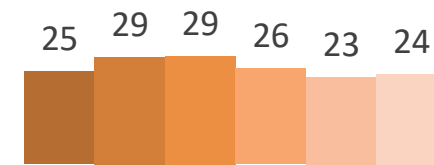
#### JNPT



#### Kandla



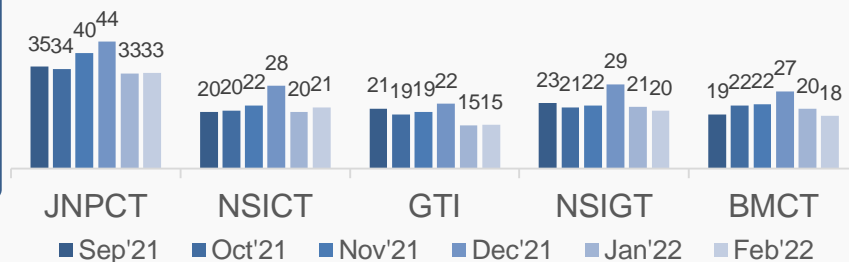
#### Mundra



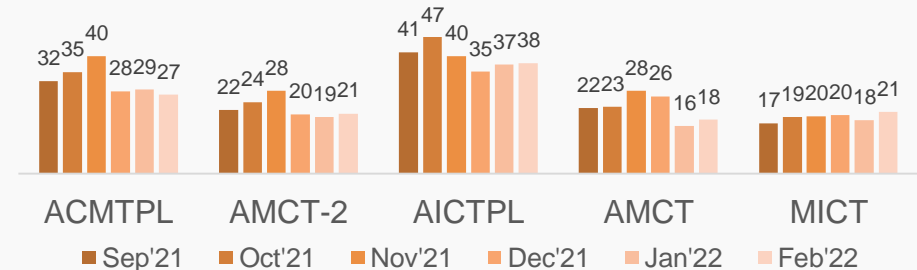
■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

### JNPT - Terminal



### Mundra - Terminal

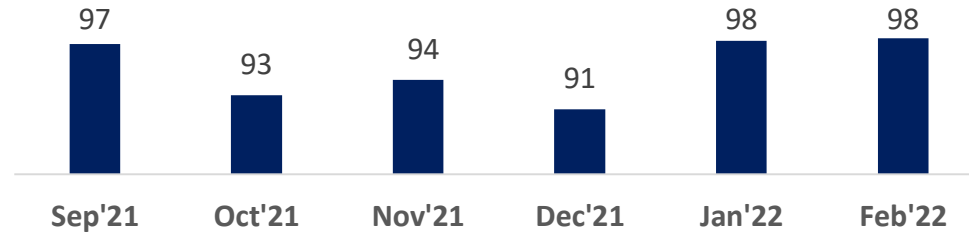


■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

# Port Dwell Time Performance – Western Corridor (Export Cycle)

## Export Cycle – Dwell Time Performance – Western Corridor (in hrs)

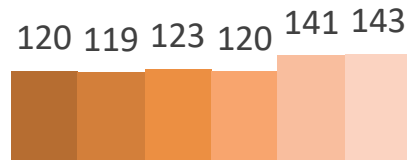
### Western Corridor



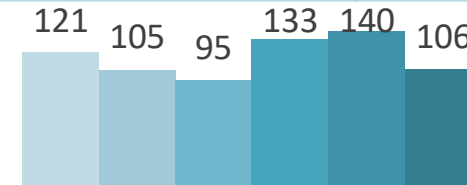
### Port - Wise



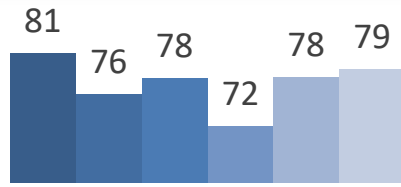
#### Hazira



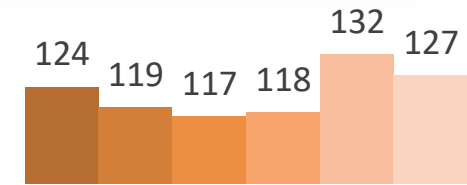
#### Kandla



#### JNPT



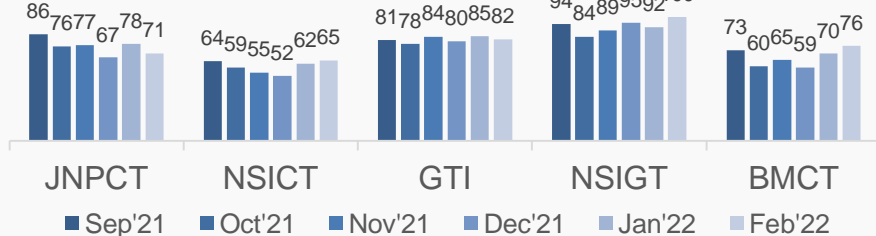
#### Mundra



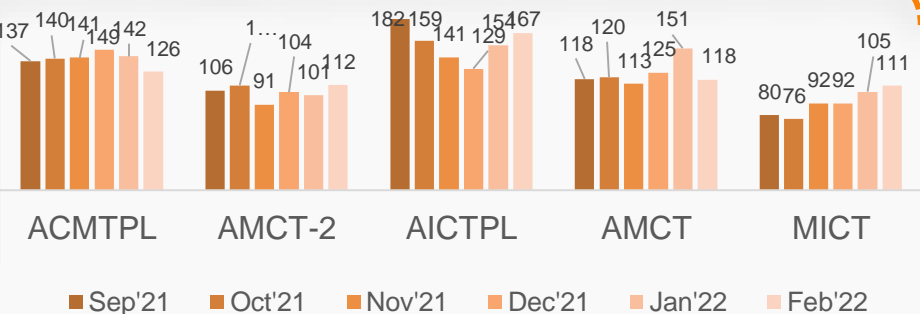
■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

### JNPT - Terminal



### Mundra - Terminal

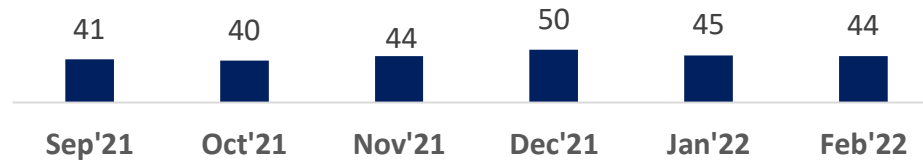


■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

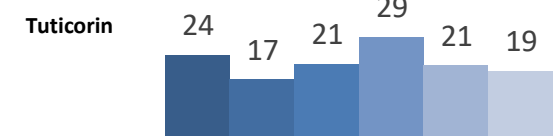
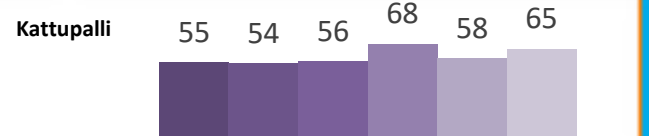
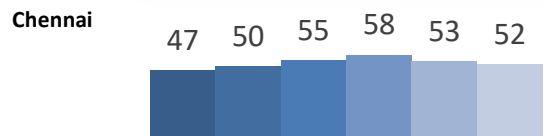
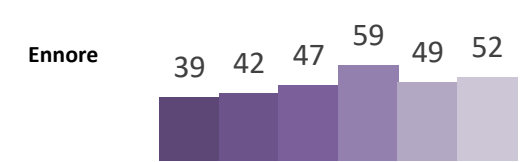
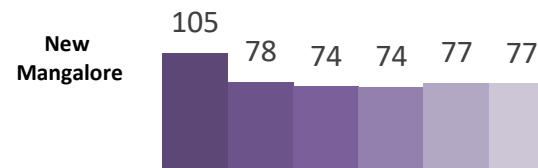
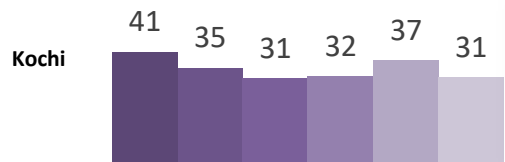
# Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

### Southern Corridor



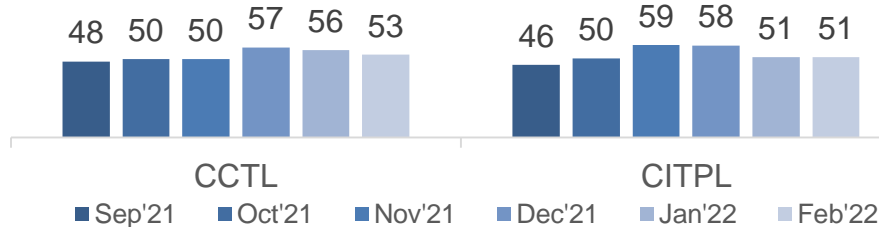
### Port - Wise



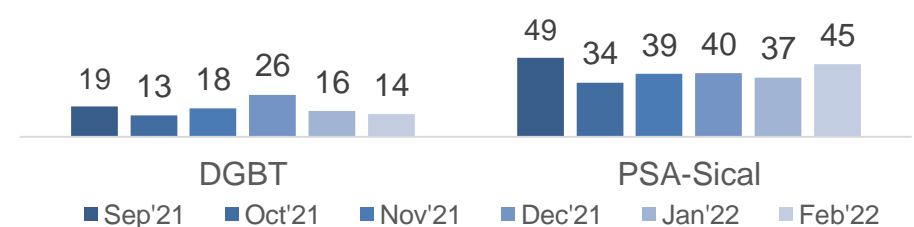
■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

### Chennai - Terminal



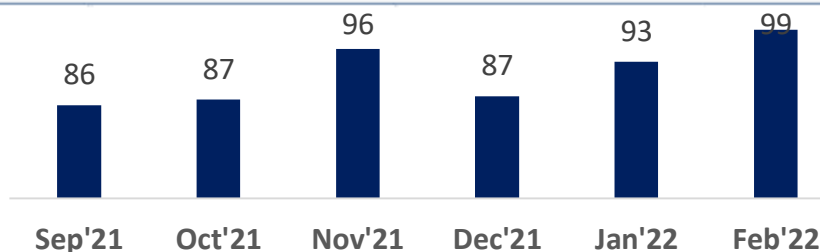
### Tuticorin - Terminal



# Port Dwell Time Performance – Southern Corridor (Export Cycle)

## Export Cycle – Dwell Time Performance – Southern Corridor (in hrs)

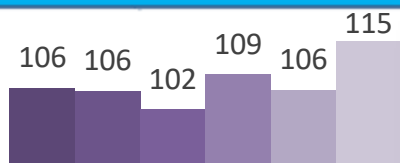
### Southern Corridor



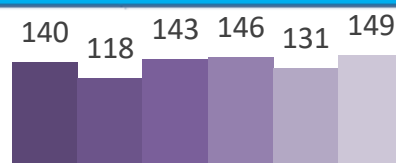
### Port - Wise



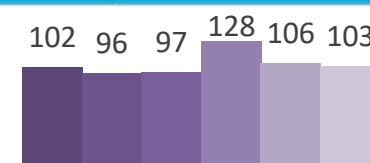
#### Kochi



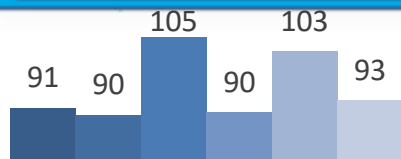
#### New Mangalore



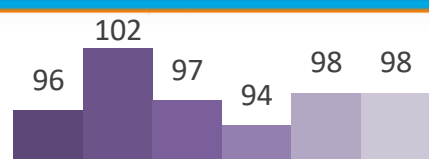
#### Ennore



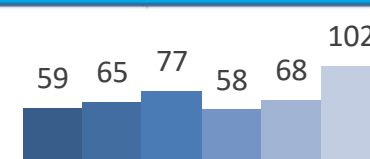
#### Chennai



#### Kattupalli



#### Tuticorin

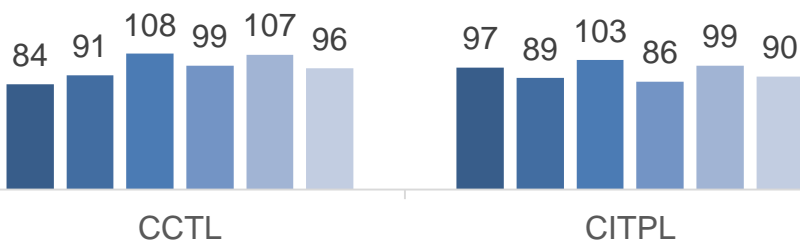


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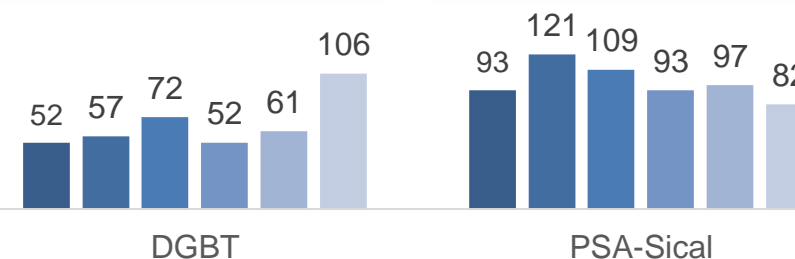
■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

### Chennai - Terminal

### Tuticorin - Terminal



■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22



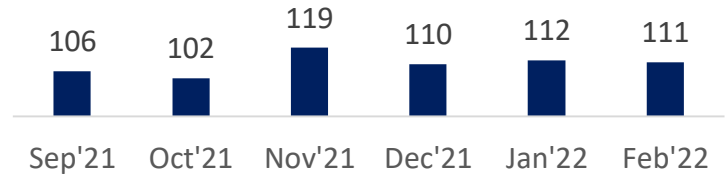
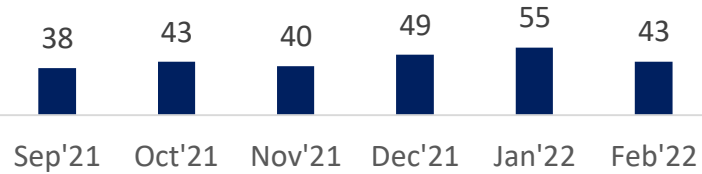
■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22

# Port Dwell Time Performance – Eastern Corridor

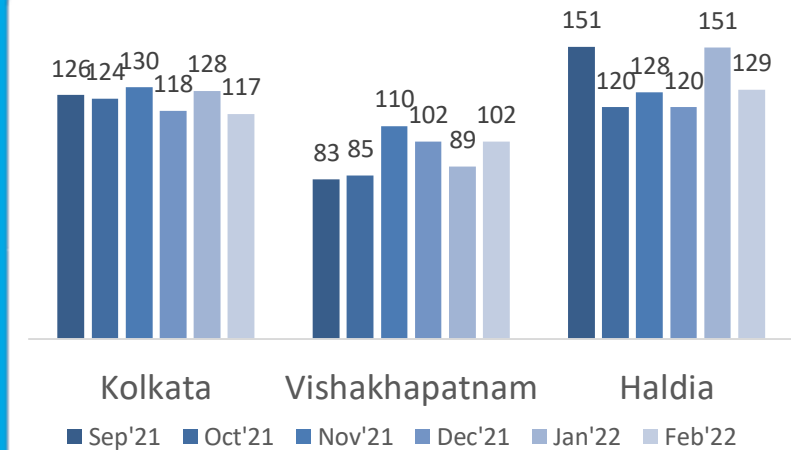
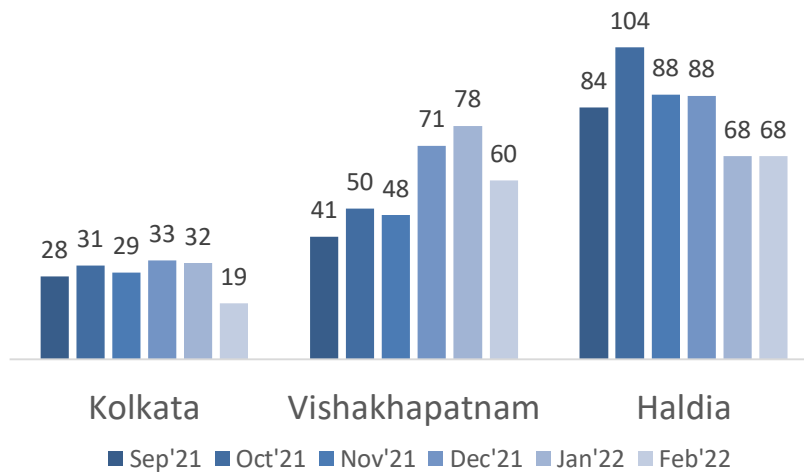
## Import Cycle (in hrs)

## Export Cycle (in hrs)

### Eastern Corridor



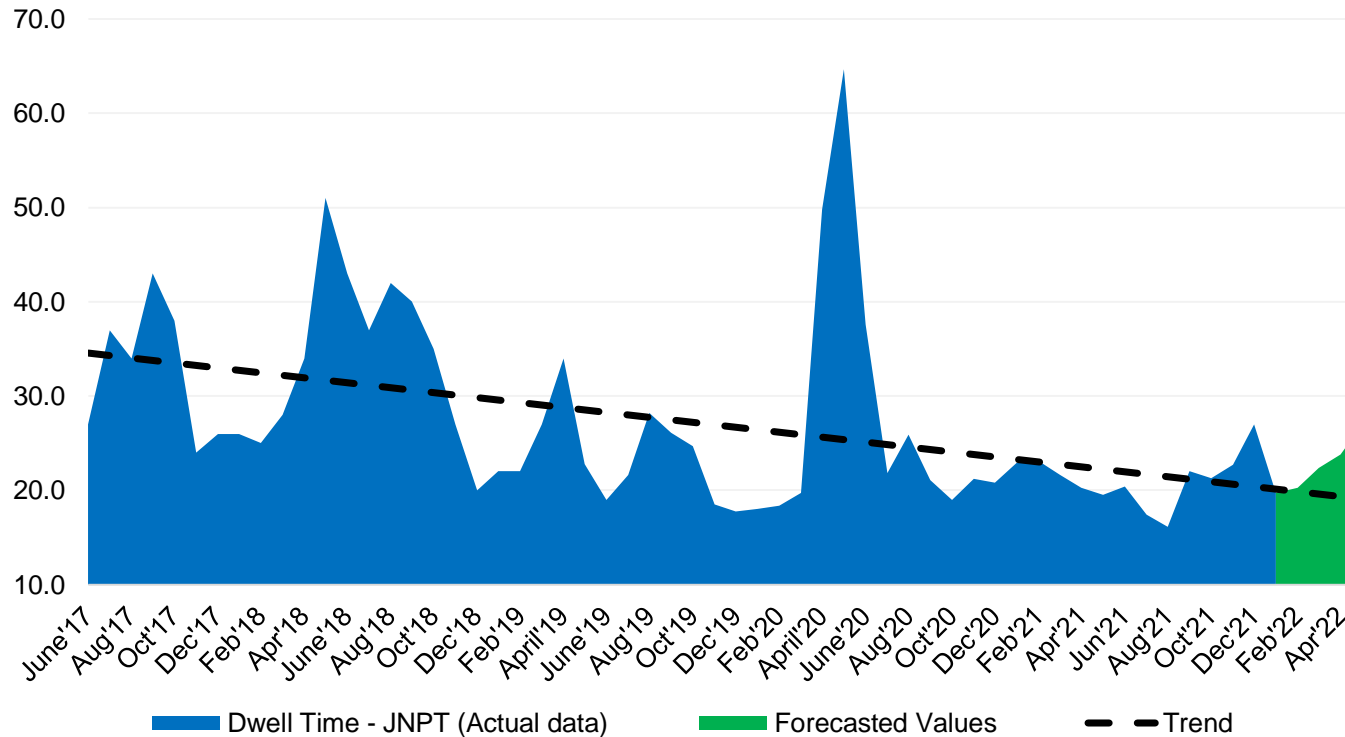
### Port - Wise





# Predictive Analysis : JNPT Port

JNPT Port – Import Cycle



## Observation

### Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data, it is expected to reach a local minima in Feb'22 and strictly increase from there on till Apr'22.



Predicted  
Dwell Time (in hrs)

Mar'22

22.4

Apr'22

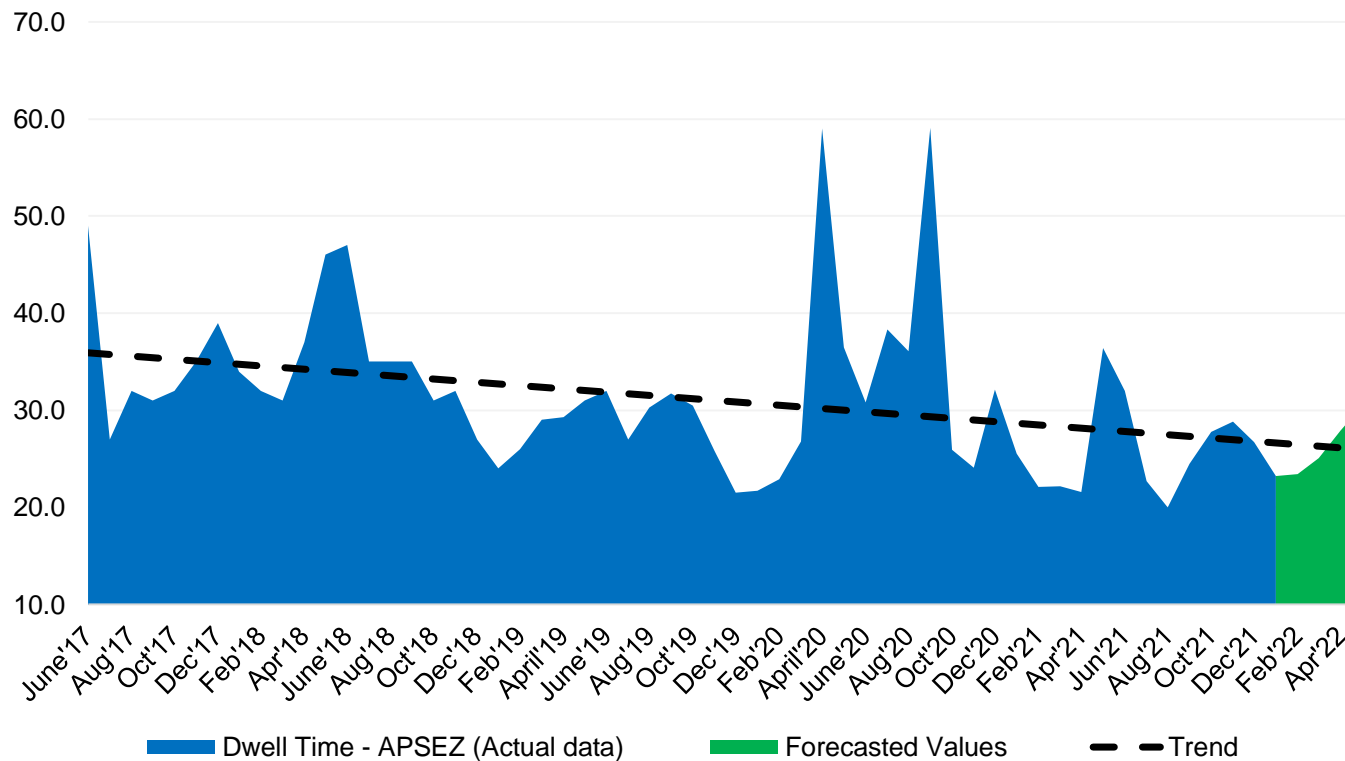
23.8

May'22

27.0

# Predictive Analysis : Mundra Port

Mundra Port – Import Cycle



## Observation

### Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data, it is expected to reach a local minima in Feb'22 and increase from there on to reach a maxima in the month of Apr'22.



Predicted  
Dwell Time (in hrs)

Mar'22

25.1

Apr'22





27.9

May'22

30.5

## Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 1% & Export Cycle deteriorated by 0.2%.
- The container handling performance at CFS has improved by 8%. Also, ICD performance has improved by 3%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Feb'22	22.8 hrs 	97.8 hrs 	84.4 hrs 	117.5 hrs 
Jan'22	22.5 hrs	97.6 hrs	91.5 hrs	121.3 hrs

## Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 2% & in Export Cycle has deteriorated by 6%.
- The container handling performance at CFS has improved by 13%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Feb'22	44.2 hrs 	98.7 hrs 	96.9 hrs 
Jan'22	44.9 hrs	93.3 hrs	111.0 hrs

## Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has improved by 21% and Export Cycle has improved by 1%.
- The container handling performance at CFS has improved by 2%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Feb'22	43.4 hrs 	110.8 hrs 	124.2 hrs 
Jan'22	54.8 hrs	112.2 hrs	126.6 hrs

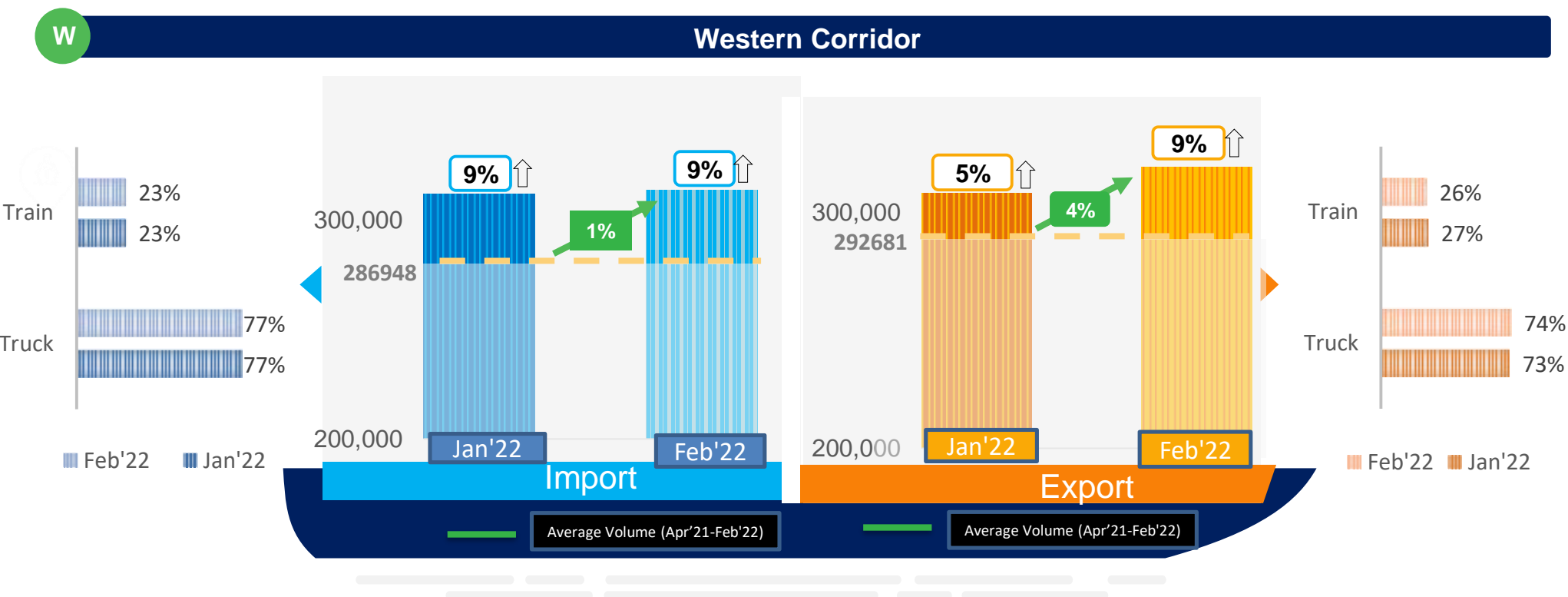


# COVID – 19 Impact



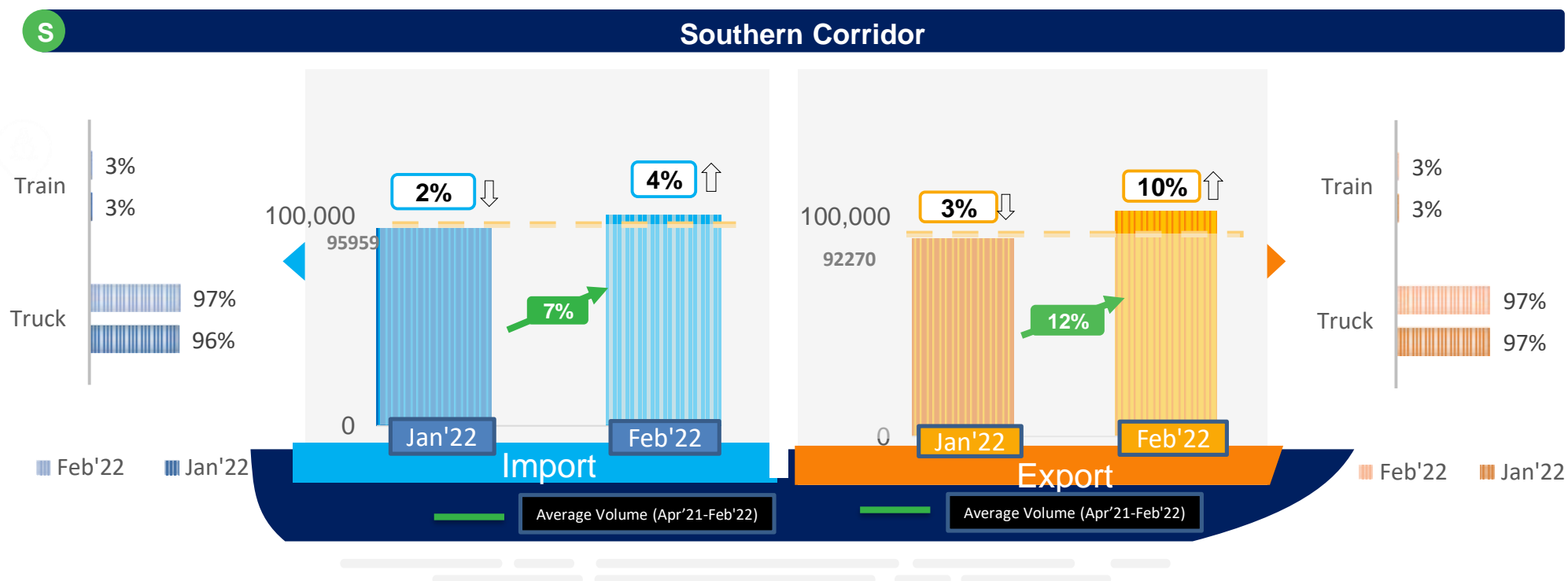
# Covid-19 Impact – Western Corridor

Below graphs depicts the change in volume percentage during the month of Feb'22 w.r.t the last month i.e., Jan'22 and the average EXIM corridor wise volume.



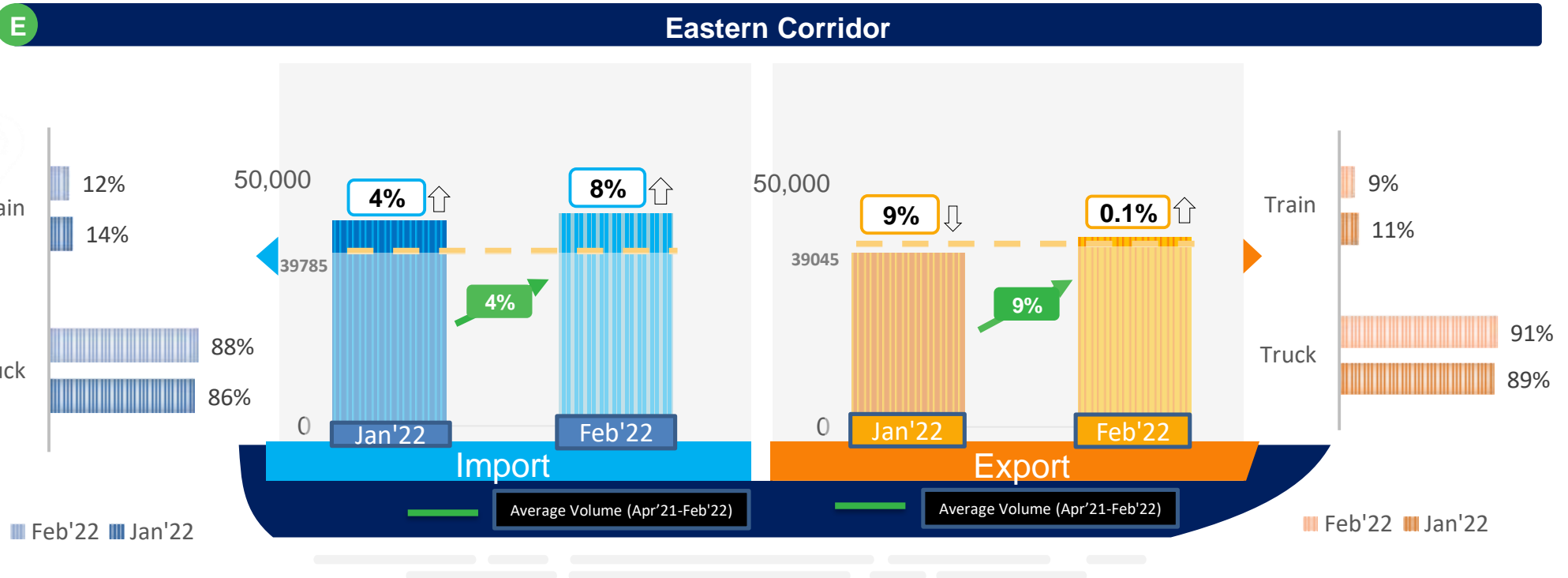
# Covid-19 Impact – Southern Corridor

Below graphs depicts the change in volume percentage during the month of Feb'22 w.r.t the last month i.e., Jan'22 and the average EXIM corridor wise volume.



# Covid-19 Impact – Eastern Corridor

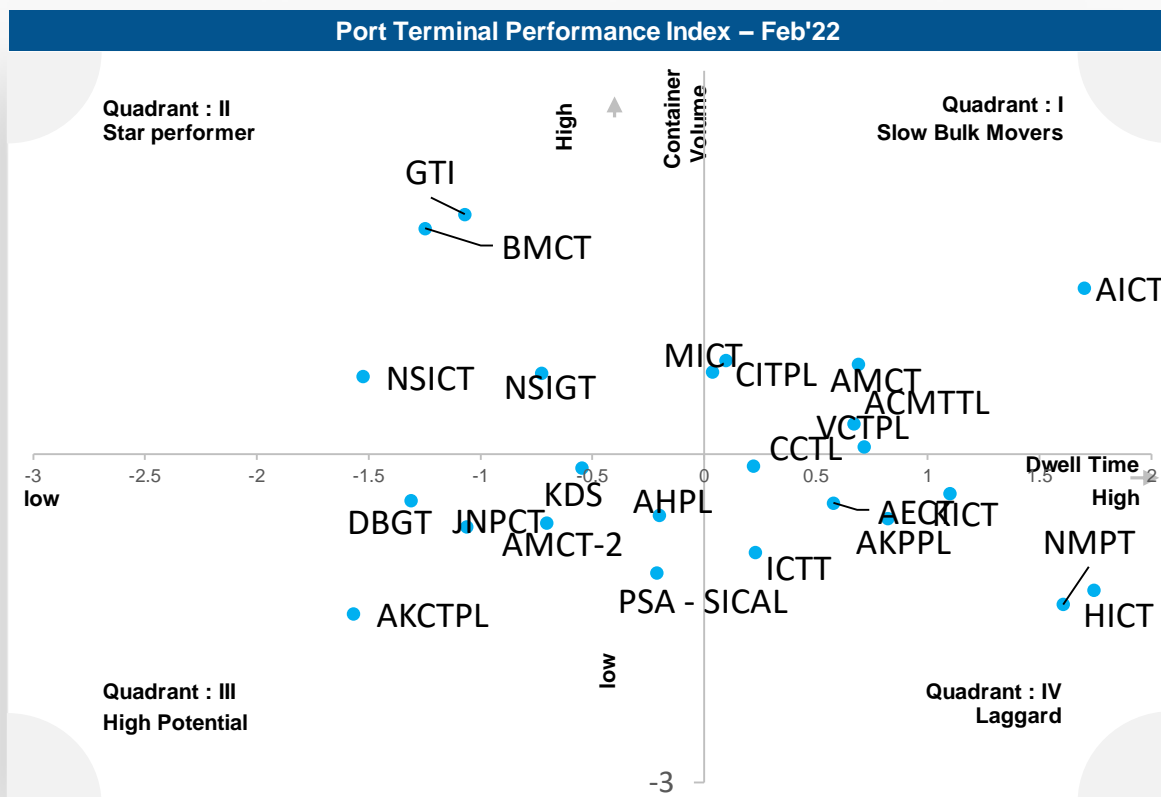
Below graphs depicts the change in volume percentage during the month of Feb'22 w.r.t the last month i.e., Jan'22 and the average EXIM corridor wise volume.





# Pan India - Port Performance Benchmarking & Performance Index

## Performance Benchmarking - Port Terminals



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



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

Top Performing Terminal	
Gateway Terminals India (GTI)	
Jan'22	Feb'22
44.8 Hrs	45.9 Hrs. 
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Jan'22	Feb'22
112.5 Hrs	100.9 Hrs 

Note: The performance benchmarking is based on performance index

  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

Performance Index - Summary	
In order to assess the relative performance of various entities 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	
<b>Star Performer</b> Consist of entities which have catered relatively high container volume in lower dwell time	<b>Slow Bulk Movers</b> Consist of entities which have catered higher container volume in higher dwell time
<b>High Potential</b> Consist of entities which have catered relatively lower container volume in lower dwell time	<b>Laggard</b> Consist of entities which have catered relatively lower container volume at higher dwell time

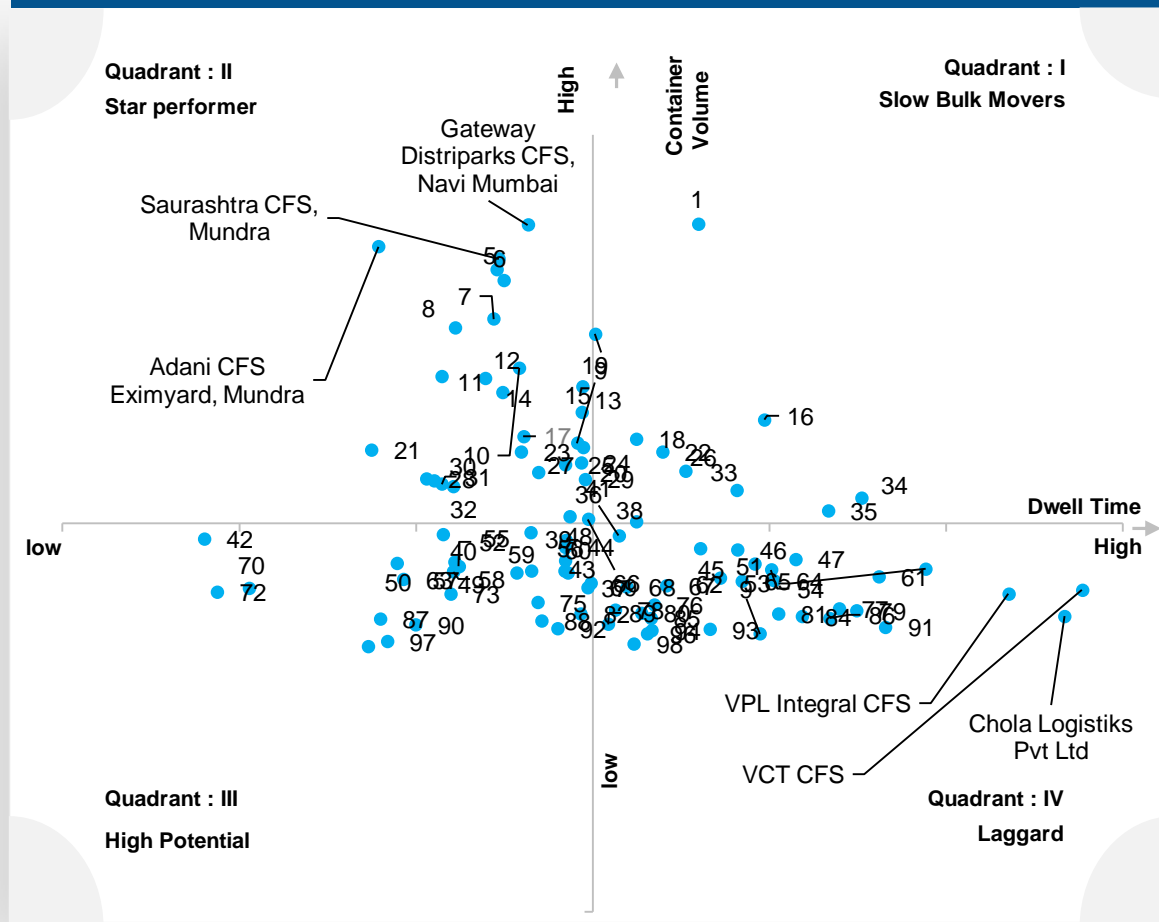


# Pan India - CFS Performance Benchmarking & Performance Index

## Performance Benchmarking - CFSs

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

### CFS Terminal Performance Index – Feb'22



Performance benchmarking for CFSs covered under LDB project for Feb'22

#### Top Three Performing CFSs

CFS Name	Jan'22	Feb'22
Gateway Distriparks CFS, Navi Mumbai	94.6 hrs	87.0 hrs
Adani CFS Eximyard, Mundra	54.0 hrs	67.2 hrs
Saurashtra CFS, Mundra	86.1 hrs	83.1 hrs

#### Bottom Three Performing CFSs

CFS Name	Jan'22	Feb'22
VPL Integrals CFS	124.8 hrs	150.5 hrs
Chola Logistiks Pvt Ltd	98.6 hrs	157.9 hrs
VCT CFS	150.5 hrs	160.2 hrs

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

#### Performance Index - Summary

In order to assess the relative performance of various entities 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

##### High Potential

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

##### Slow Bulk Movers

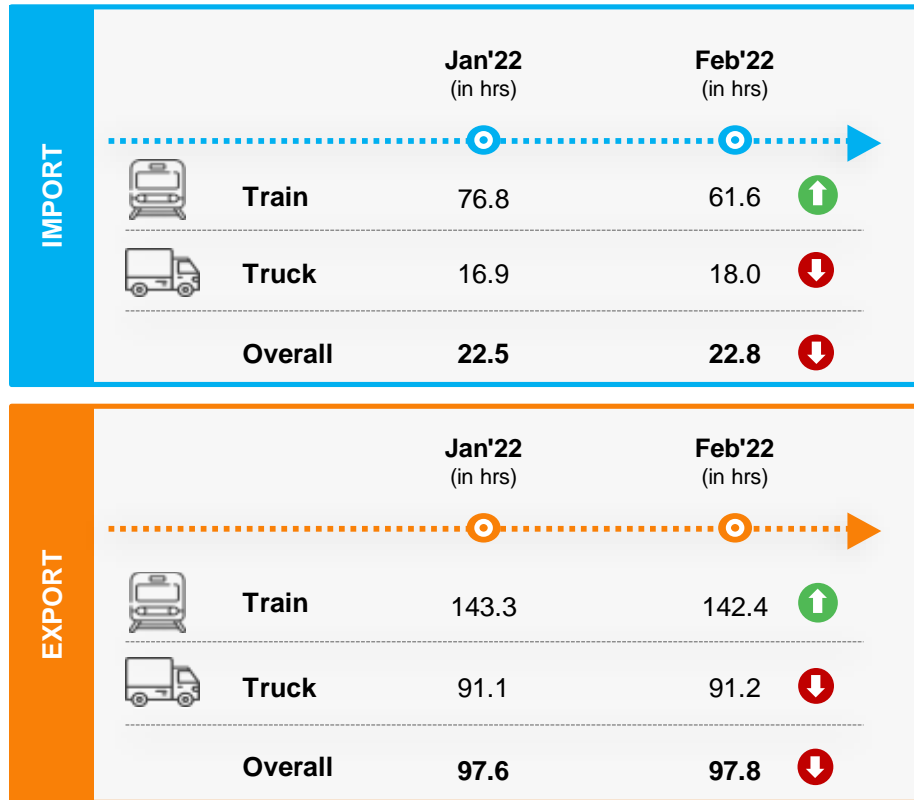
Consist of entities which have catered higher container volume in higher dwell time

##### Laggard

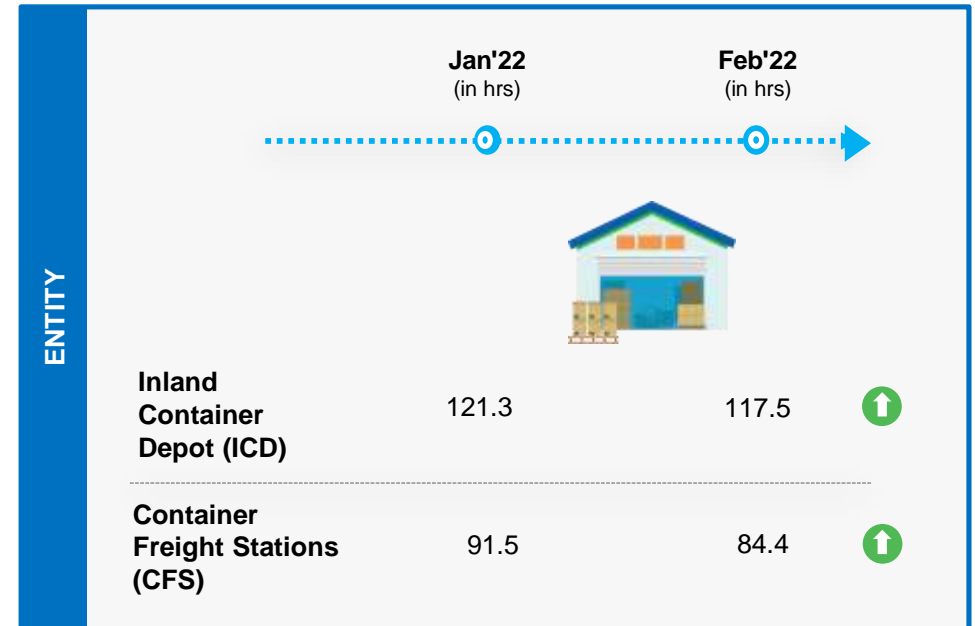
Consist of entities which have catered relatively lower container volume at higher dwell time

# Container Transportation Performance - Western Corridor

## Port Dwell Time



## Container Freight Stations(CFS)/ Inland Container depots(ICD) – Dwell Time



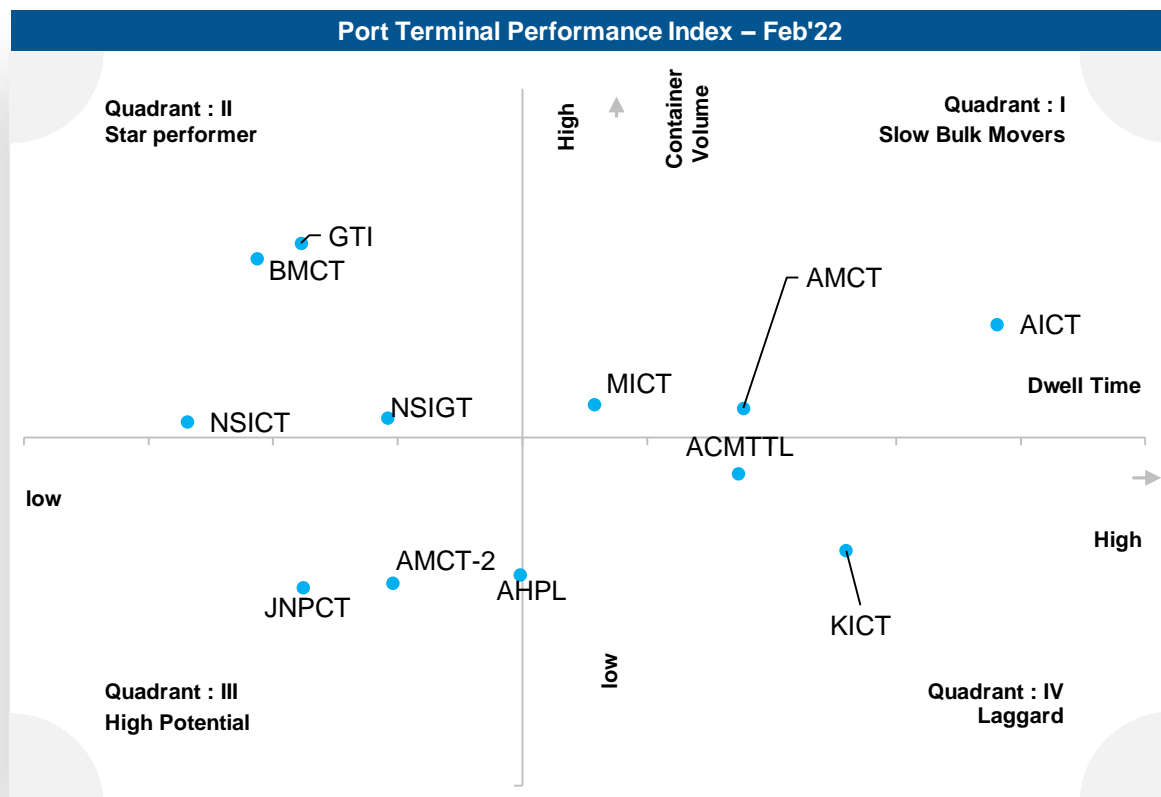
The marked entries showcase increase in performance in comparison to Jan'22





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

## 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 Feb'22

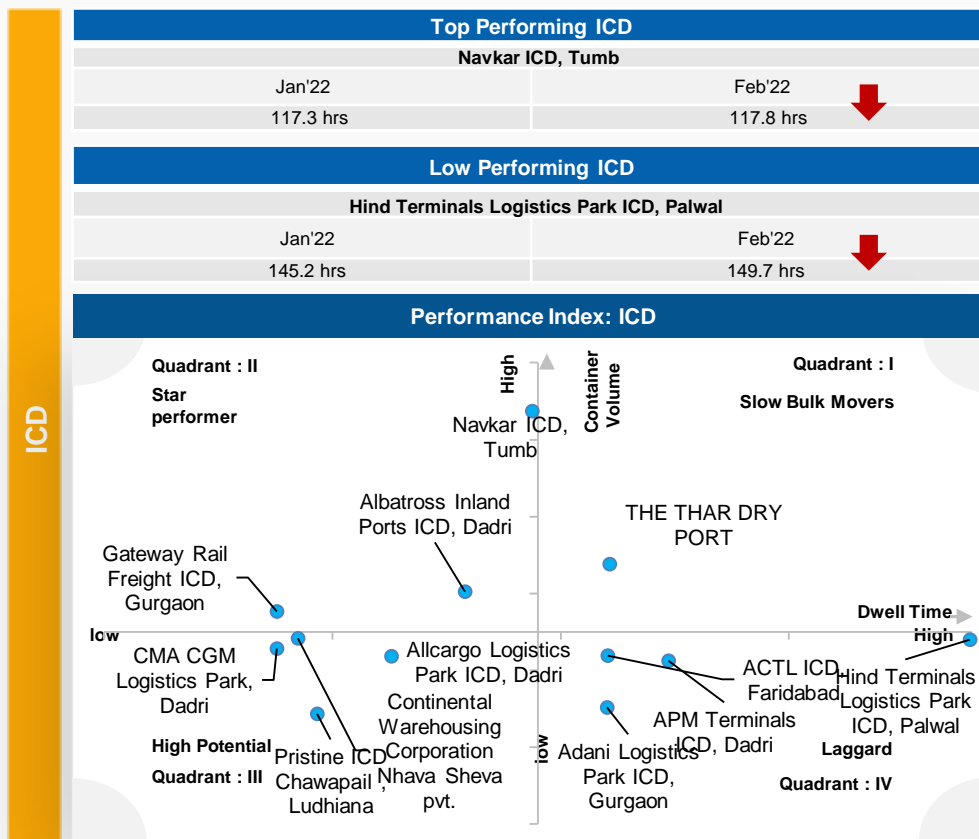
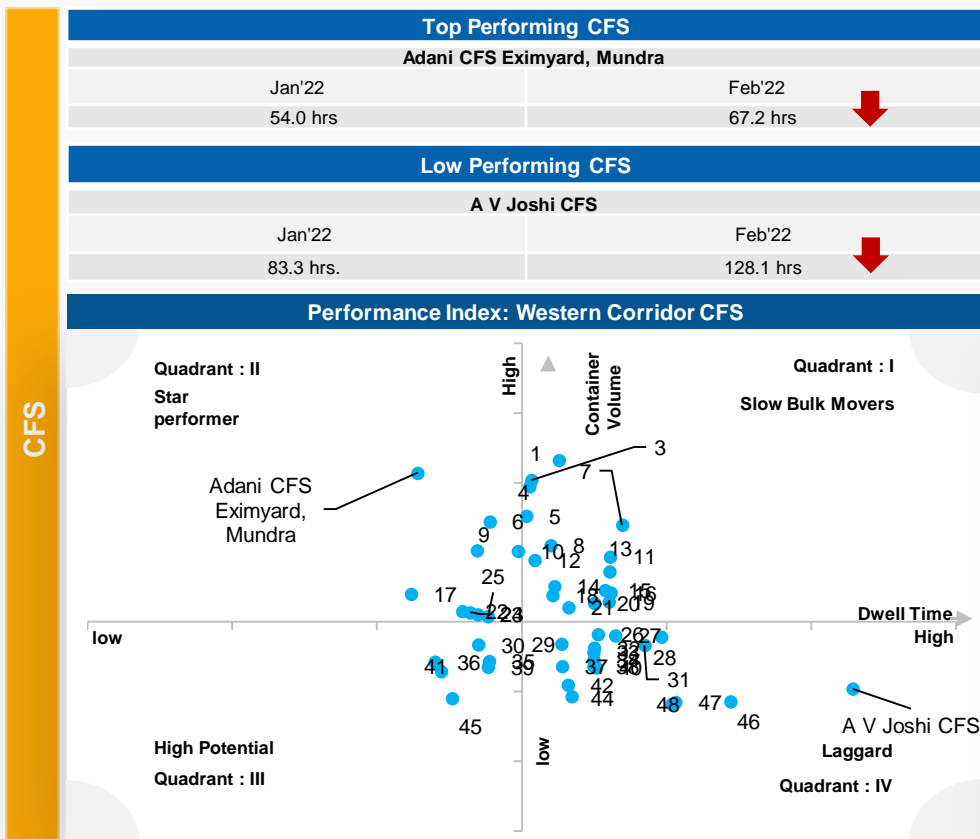
Top Performing Terminal		
Gateway Terminals India (GTI)		
Jan'22	Feb'22	
44.8 Hrs	45.9 Hrs.	
Low Performing Terminal		
Kandla International Container Terminal (KICT)		
Jan'22	Feb'22	
81.5 Hrs	88.3 Hrs.	

Note: The performance benchmarking is based on performance index



↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

Performance Index - Summary	
In order to assess the relative performance of various entities 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	
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## Performance Benchmarking

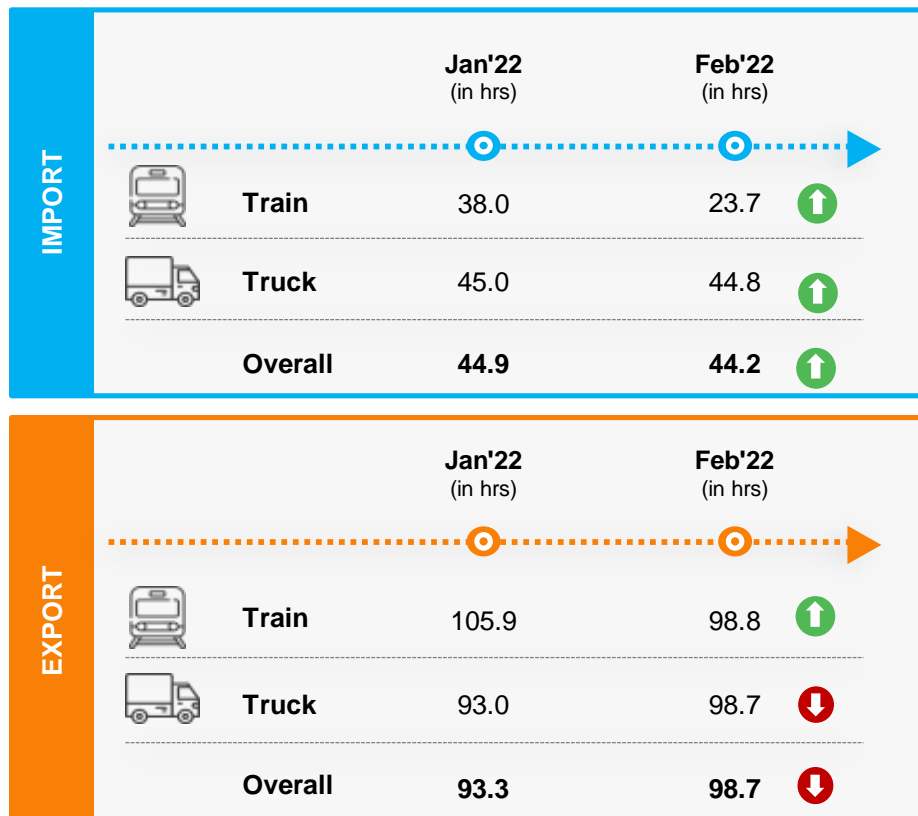


Note: The performance benchmarking is based on performance index

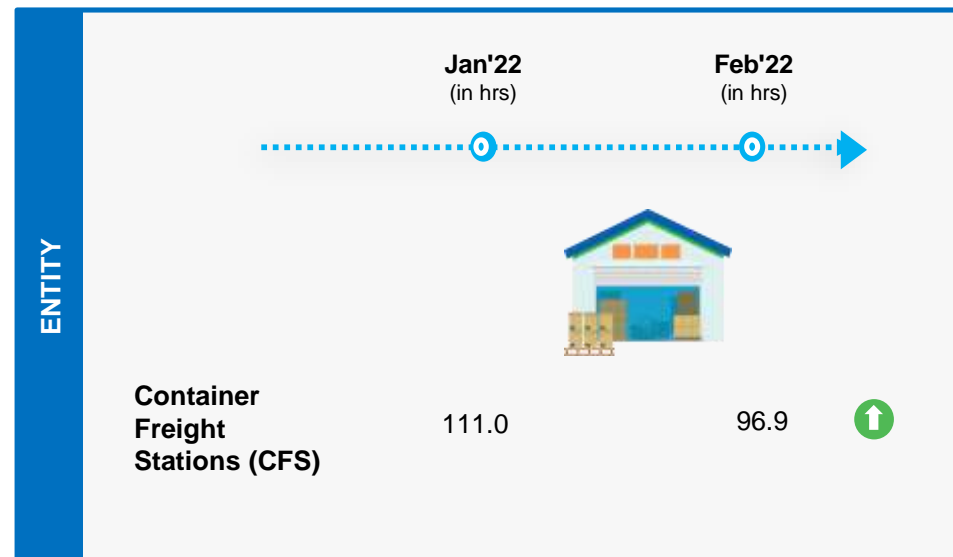
  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

Kindly refer to Annexure section for the names of CFS

## Port Dwell Time



## Container Freight Stations(CFS)/ Inland Container depots(ICD) – Dwell Time



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

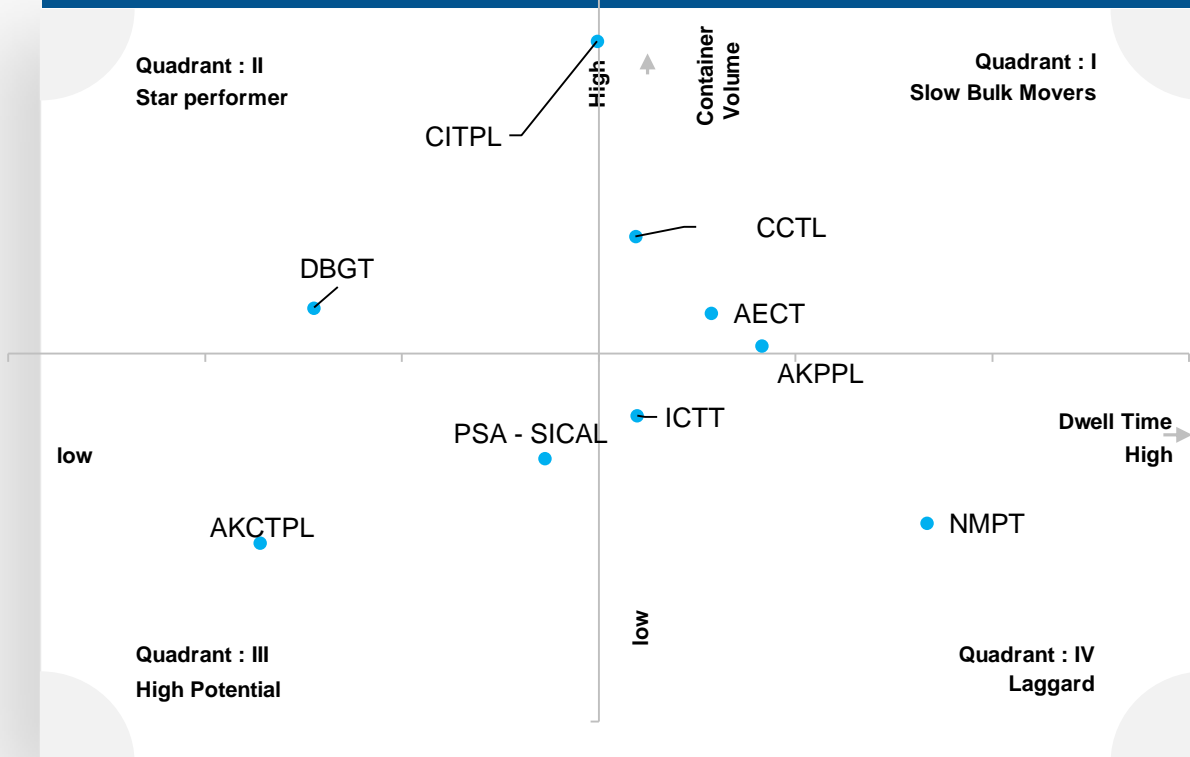


The marked entries showcase decrease in performance in comparison to Jan'22

## Performance Benchmarking – Port Terminals

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

Southern Corridor Port Terminal Performance Index – Feb'22



Performance benchmarking for CFSs covered under LDB project for Feb'22

Top Performing Terminal		
Chennai International Terminals Pvt Ltd (CITPL)		
Jan'22	Feb'22	↑
71.1 hrs	67.6 hrs	
Low Performing Terminal		
New Mangalore Port Trust		
Jan'22	Feb'22	↓
86.4 hrs	98.3 hrs	

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

### Performance Index - Summary

In order to assess the relative performance of various entities 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

#### High Potential

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

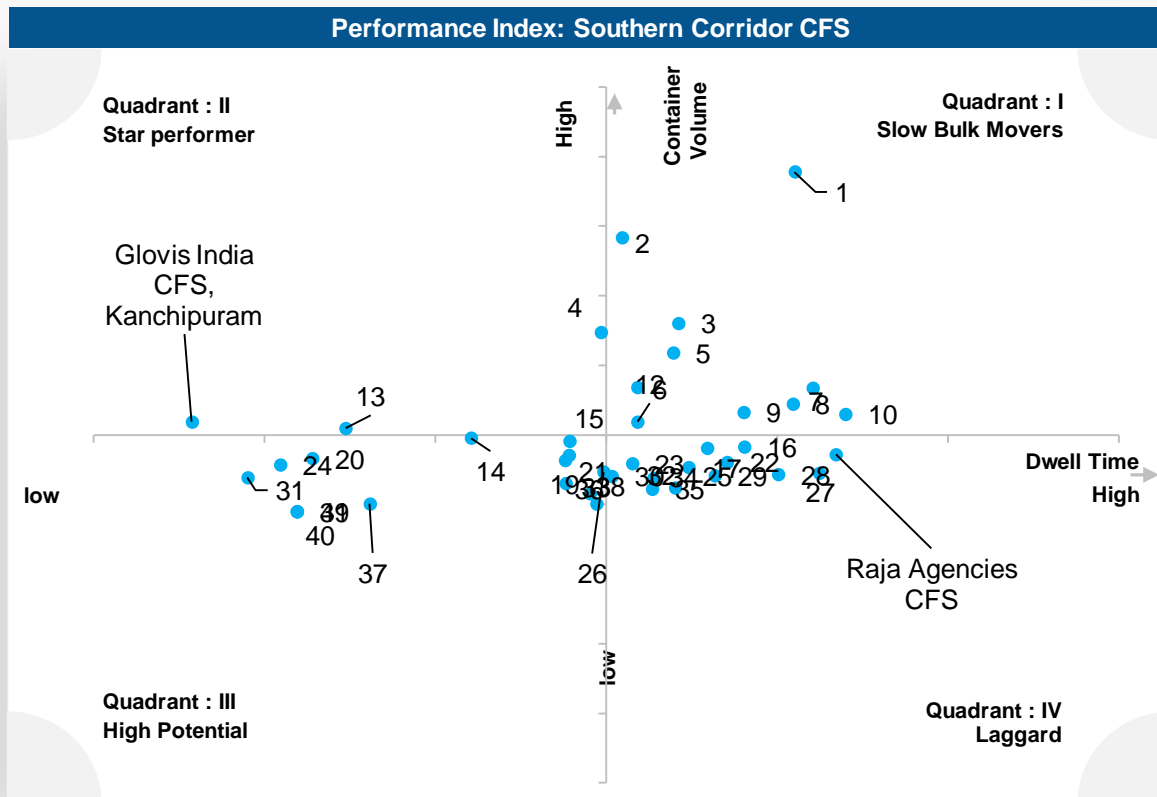
#### Slow Bulk Movers

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

#### Laggard

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

## Performance Benchmarking - CFSs



Kindly refer to Annexure section for the names of CFS

Performance benchmarking for CFS covered under LDB project in Southern Corridor for Feb'22

Top Performing Terminal	
Glovis India CFS, Kanchipuram	
Jan'22	Feb'22
148.6 hrs	122.3 hrs
Low Performing Terminal	
Raja Agencies CFS	
Jan'22	Feb'22
31.8 hrs	95.3 hrs

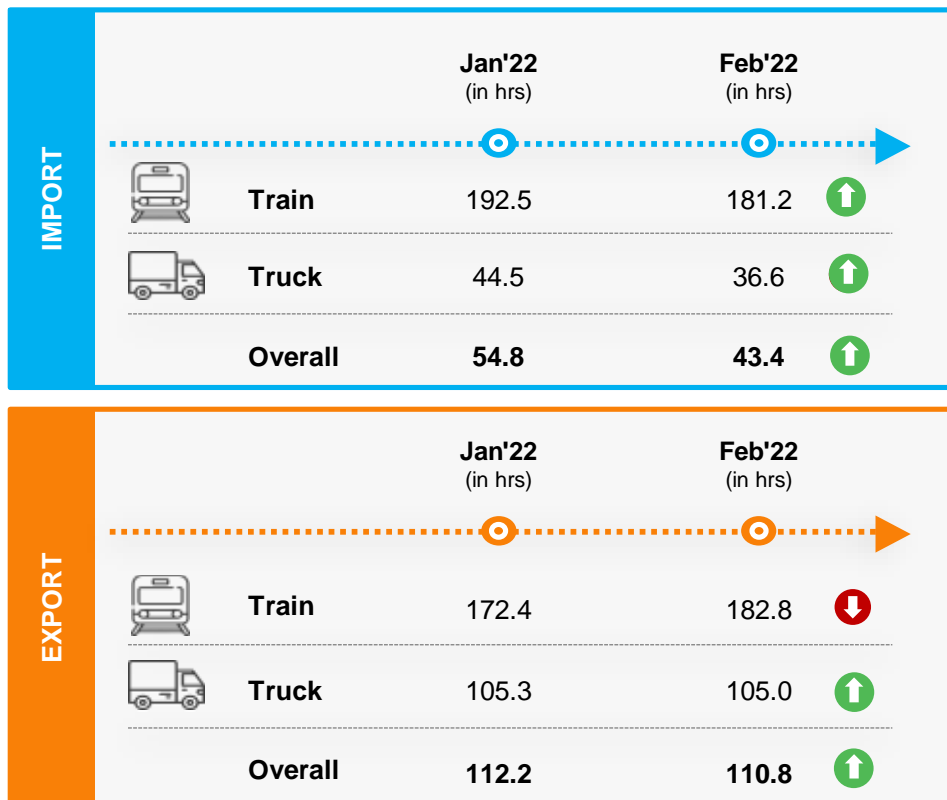
Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

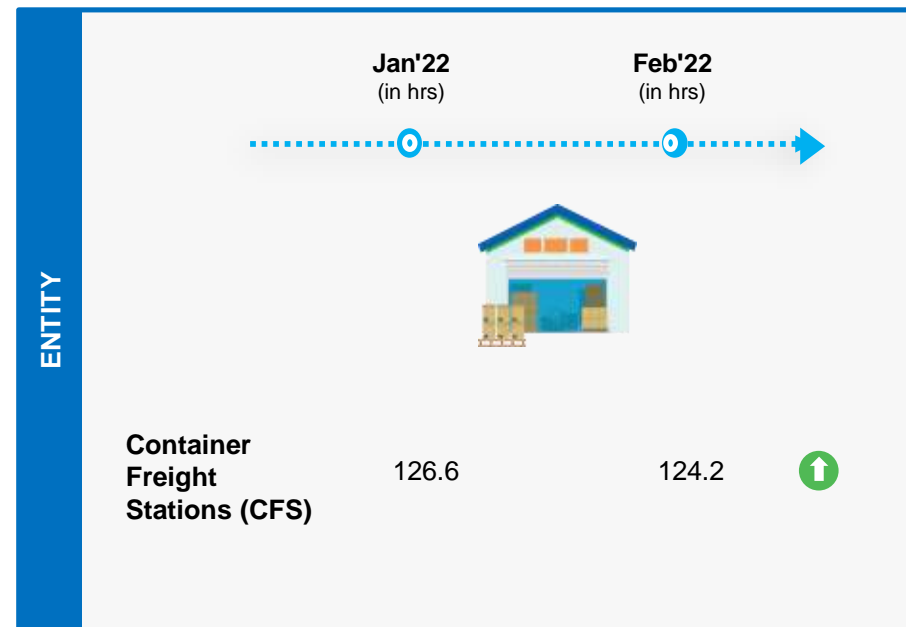
Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume	
<b>Star Performer</b> Consist of entities which have catered relatively high container volume in lower dwell time	<b>Slow Bulk Movers</b> Consist of entities which have catered higher container volume in higher dwell time
<b>High Potential</b> Consist of entities which have catered relatively lower container volume in lower dwell time	<b>Laggard</b> Consist of entities which have catered relatively lower container volume at higher dwell time

# Container Transportation Performance - Eastern Corridor

## Port Dwell Time



## Container Freight Stations(CFS) – Dwell Time



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

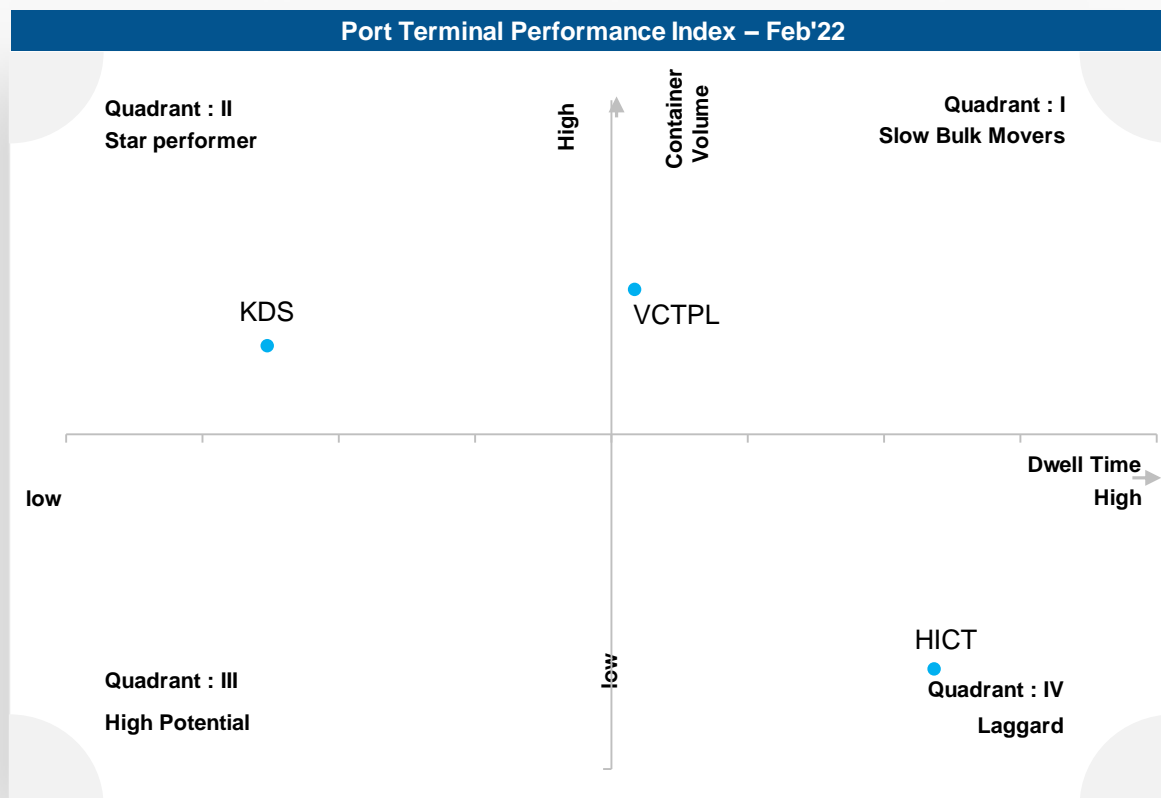


The marked entries showcase decrease in performance in comparison to Jan'22





## Performance Benchmarking - Port Terminals

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



Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Feb'22

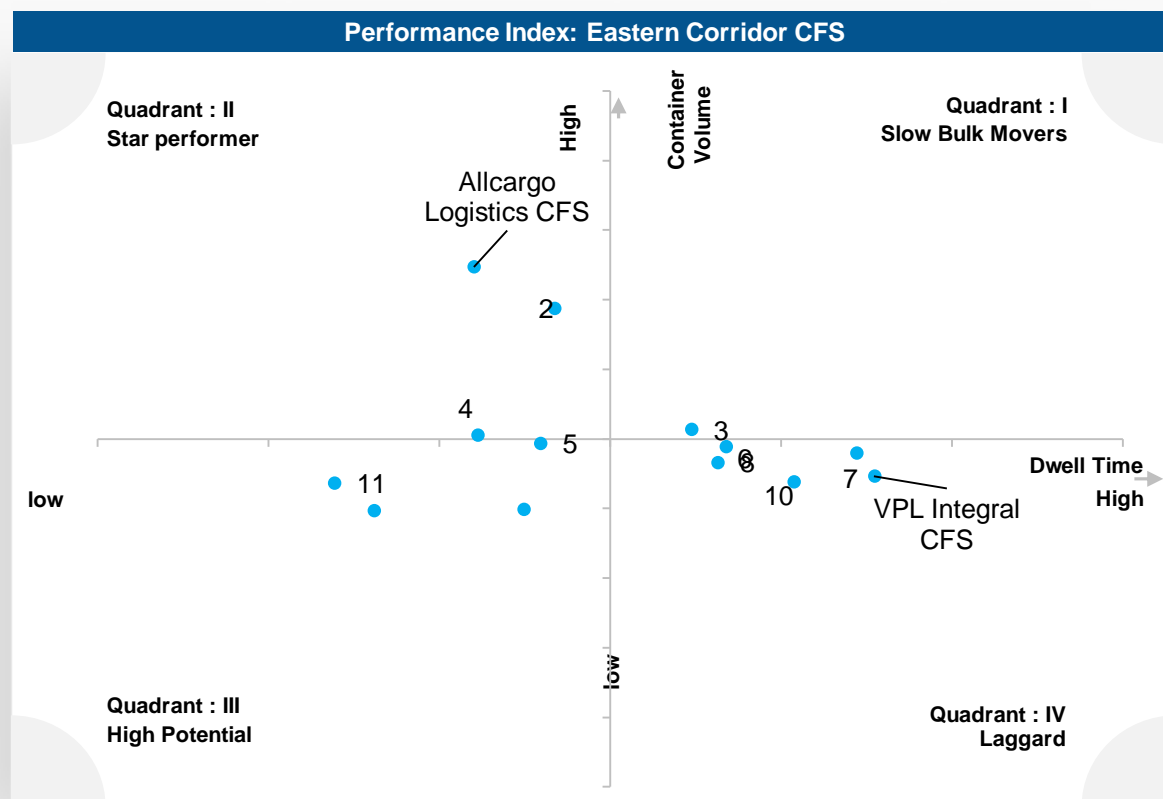
Top Performing Terminal		
Kolkata Dock System (KDS)		
Jan'22	Feb'22	
63.2 hrs	56.2 hrs	
Low Performing Terminal		
Haldia International Container Terminal (HICT)		
Jan'22	Feb'22	
112.5 hrs	100.9 hrs	

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

Performance Index - Summary	
In order to assess the relative performance of various entities 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	
<b>Star Performer</b> Consist of entities which have catered relatively high container volume in lower dwell time	<b>Slow Bulk Movers</b> Consist of entities which have catered higher container volume in higher dwell time
<b>High Potential</b> Consist of entities which have catered relatively lower container volume in lower dwell time	<b>Laggard</b> Consist of entities which have catered relatively lower container volume at higher dwell time

## Performance Benchmarking - CFSs



Kindly refer to Annexure section for the names of CFS

Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Feb'22

Top Performing Terminal	
Allcargo Logistics CFS	
Jan'22	Feb'22
118.0 hrs	118.2 hrs
	↓
Low Performing Terminal	
VPL Integral CFS	
Jan'22	Feb'22
124.8 hrs	150.5 hrs
	↓

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'22

Performance Index - Summary	
In order to assess the relative performance of various entities 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	
<b>Star Performer</b> Consist of entities which have catered relatively high container volume in lower dwell time	<b>Slow Bulk Movers</b> Consist of entities which have catered higher container volume in higher dwell time
<b>High Potential</b> Consist of entities which have catered relatively lower container volume in lower dwell time	<b>Laggard</b> Consist of entities which have catered relatively lower container volume at higher dwell time

# Annexure

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# Individual Terminal Performance In

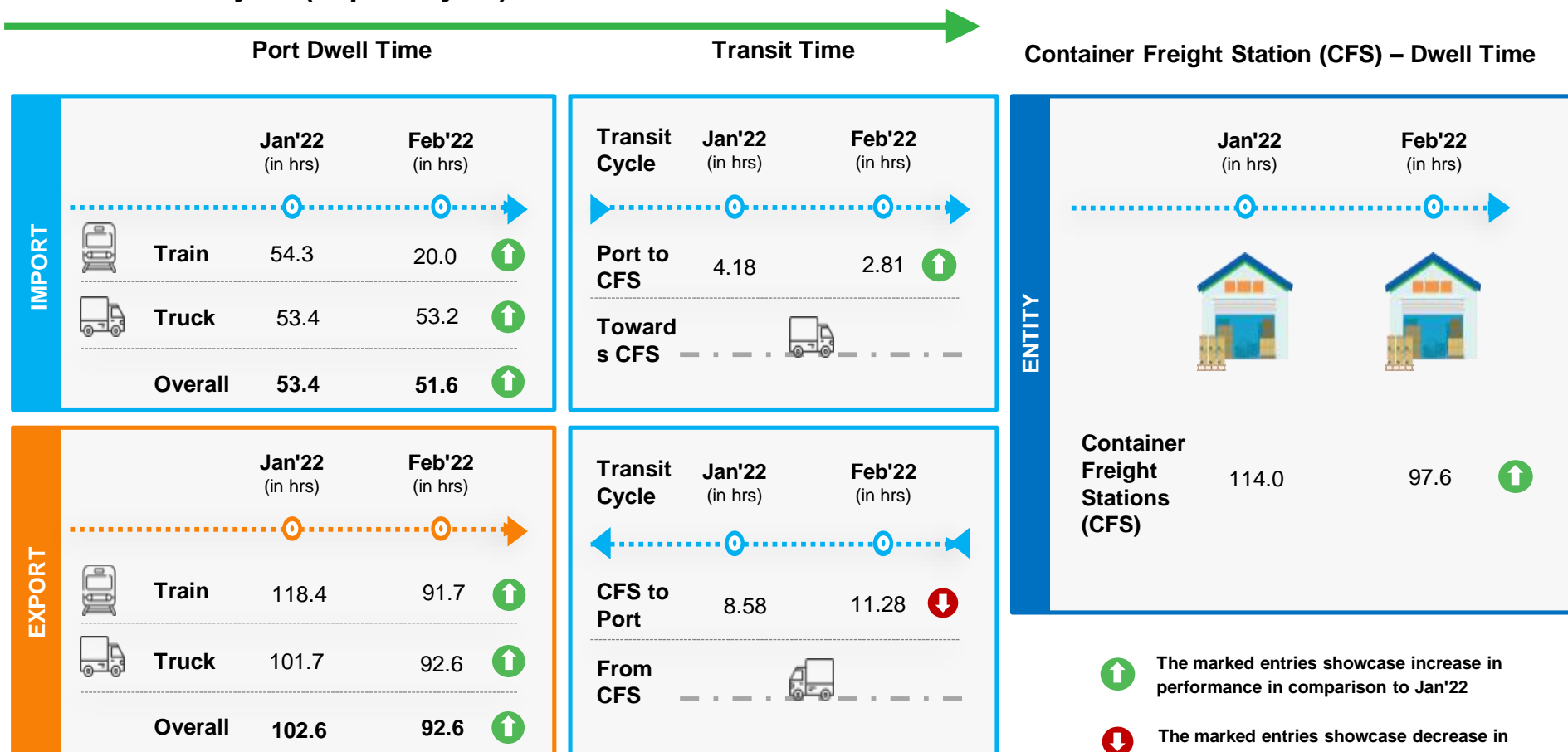
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# Southern Corridor



# Chennai Port Terminal: Container Transportation

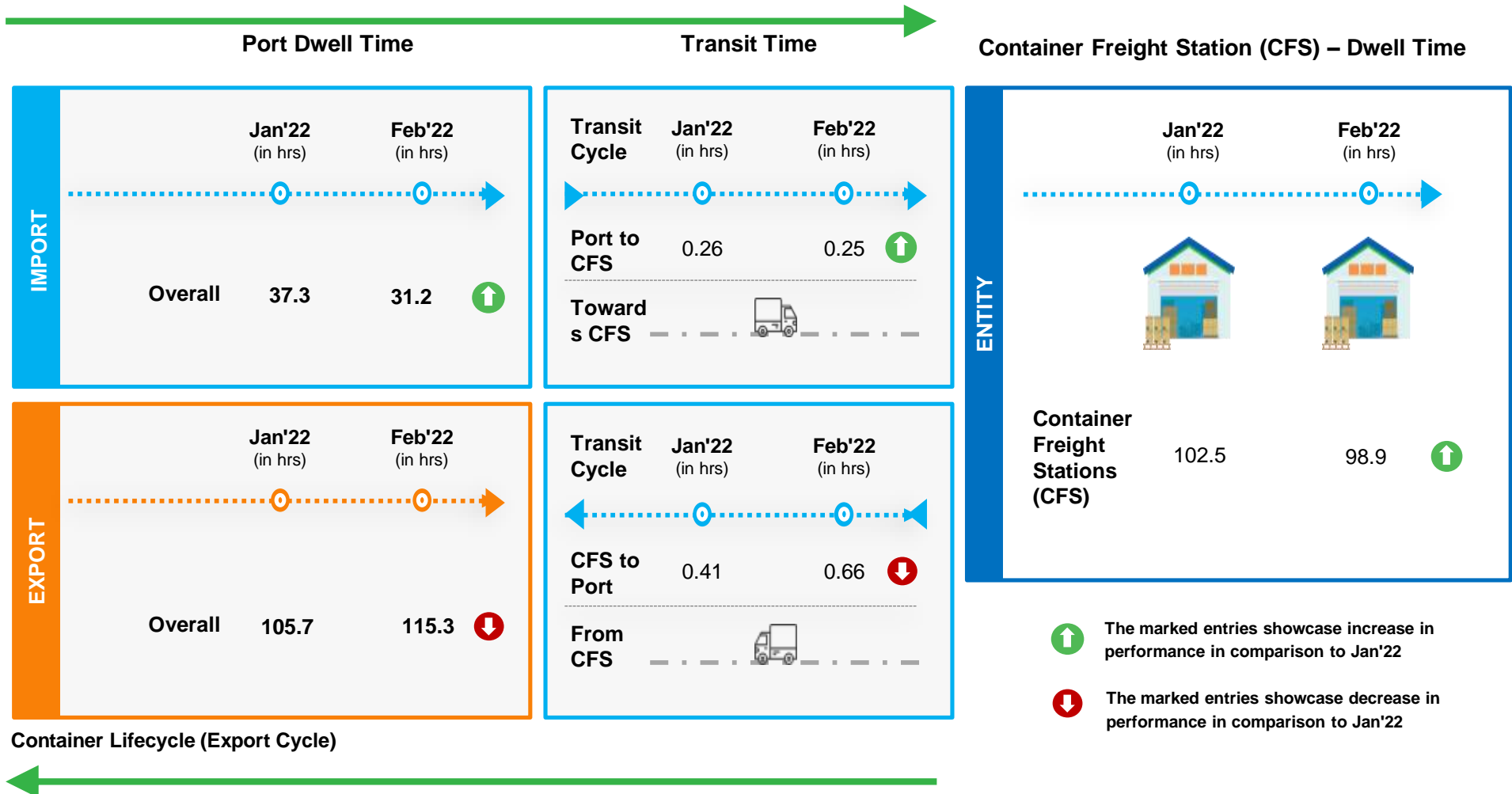
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

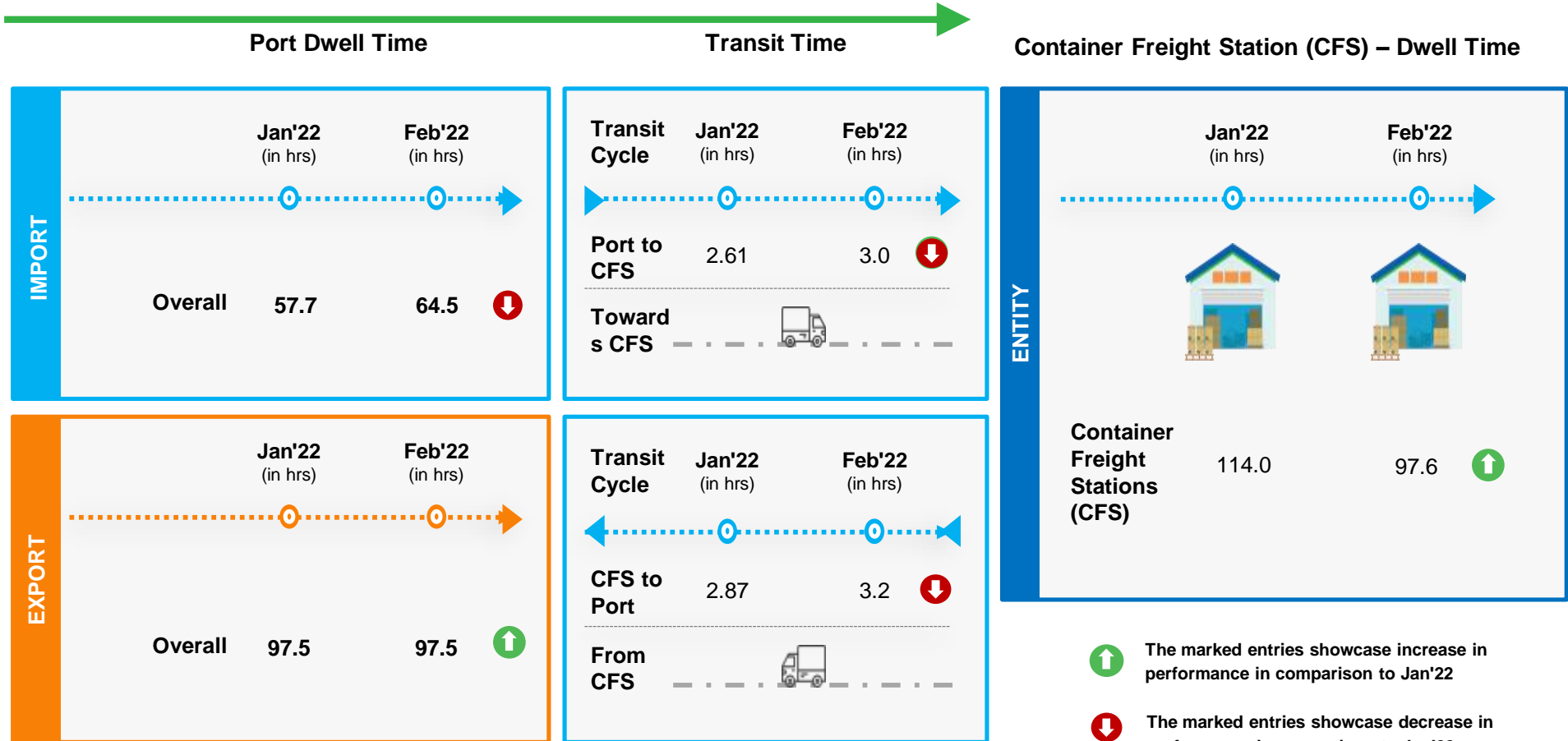
# Kochi Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



# Kattupalli Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

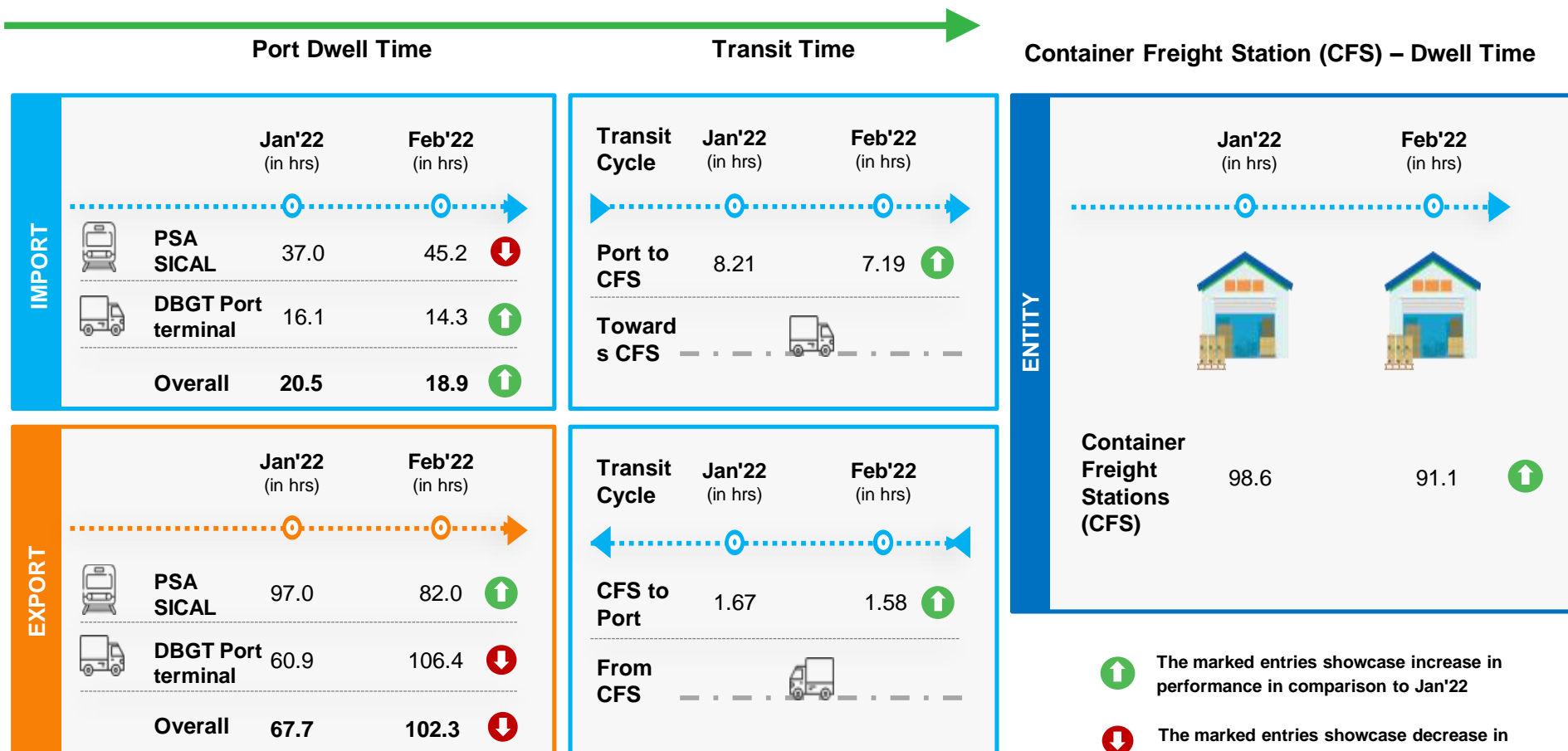


## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Jan'22
- ↓ The marked entries showcase decrease in performance in comparison to Jan'22

# Tuticorin Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

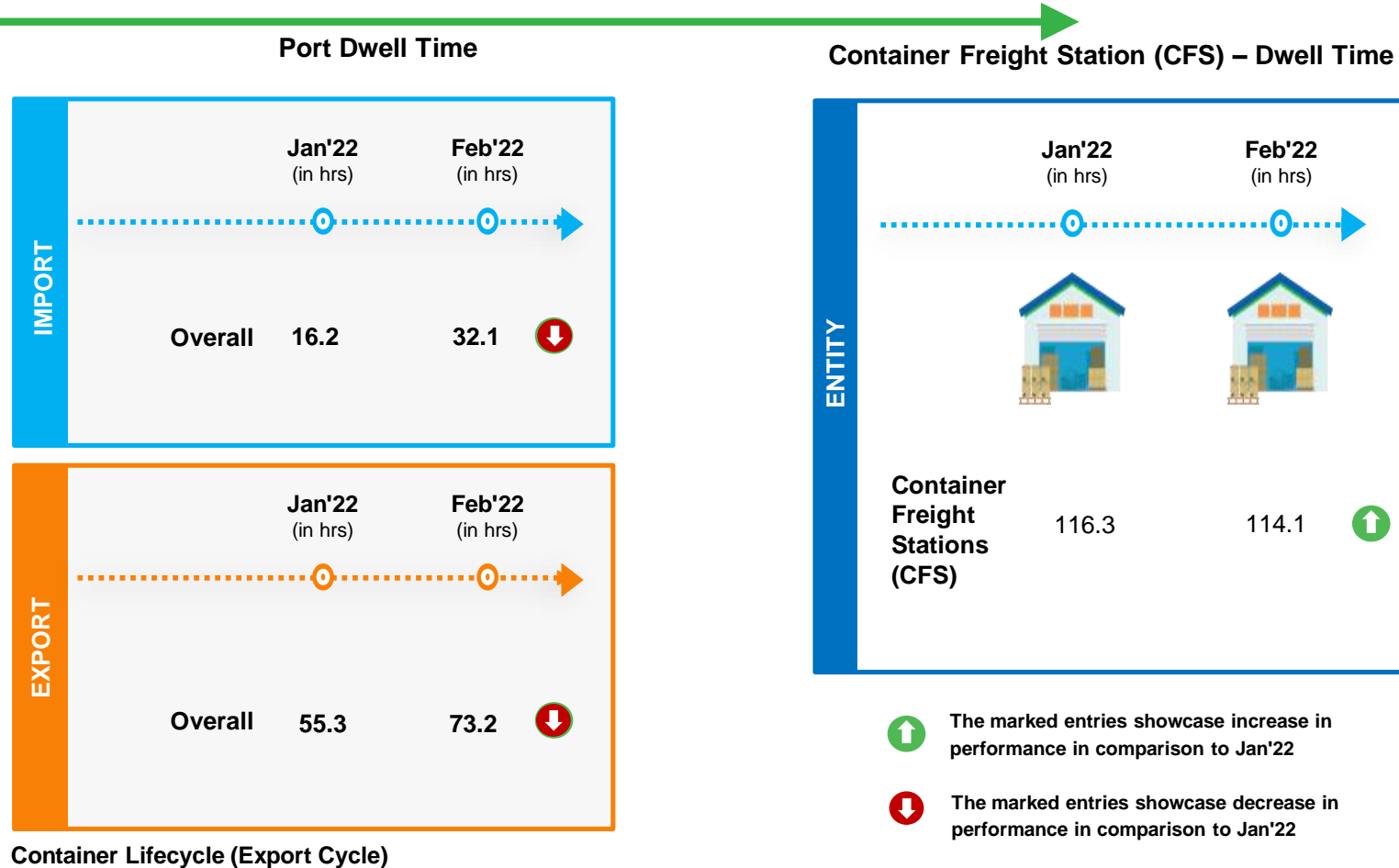


## Container Lifecycle (Export Cycle)





# Krishnapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)





## Container Lifecycle (Import Cycle)

Port Dwell Time


IMPORT		Jan'22 (in hrs)	Feb'22 (in hrs)	
				
	<b>Train</b>	21.9	39.7	↓
				
	<b>Truck</b>	49.6	52.1	↓
	<b>Overall</b>	<b>48.5</b>	<b>51.7</b>	↓

EXPORT		Jan'22 (in hrs)	Feb'22 (in hrs)	
				
	<b>Train</b>	136.8	104.3	↑
				
	<b>Truck</b>	107.1	102.7	↑
	<b>Overall</b>	<b>105.7</b>	<b>102.8</b>	↑

## Container Lifecycle (Export Cycle)

## Container Freight Stations(CFS) – Dwell Time

	Jan'22 (in hrs)	Feb'22 (in hrs)	
			
<b>Container Freight Stations (CFS)</b>	114.0	97.6	↑

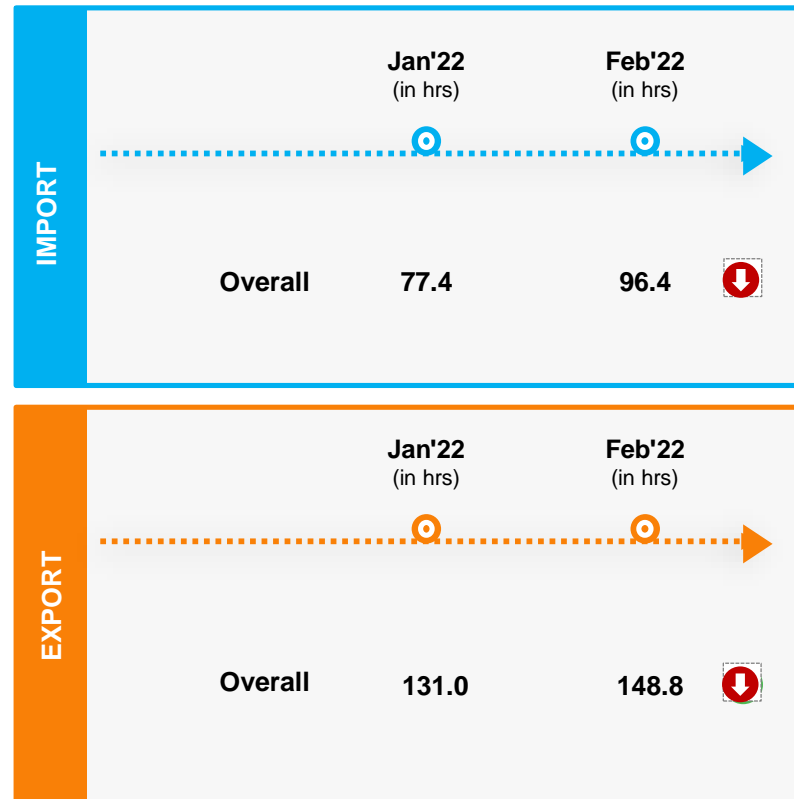


The marked entries showcase increase in performance in comparison to Jan'22



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

## Port Dwell Time



- ↑ The marked entries showcase increase in performance in comparison to Jan'22
- ↓ The marked entries showcase decrease in performance in comparison to Jan'22



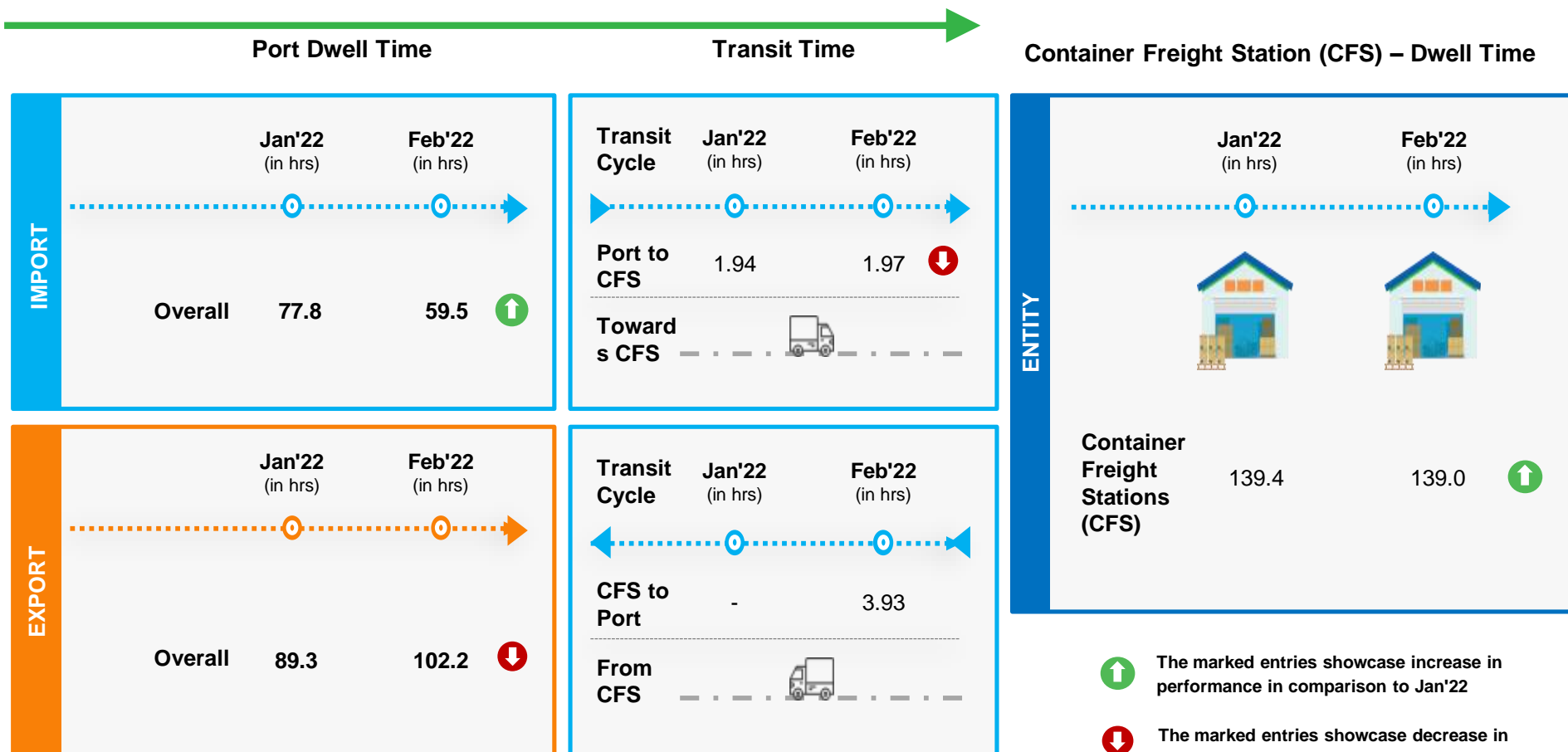
# Individual Terminal Performance In Eastern Corridor

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# Vishakhapatnam Port Terminal: Container Transportation

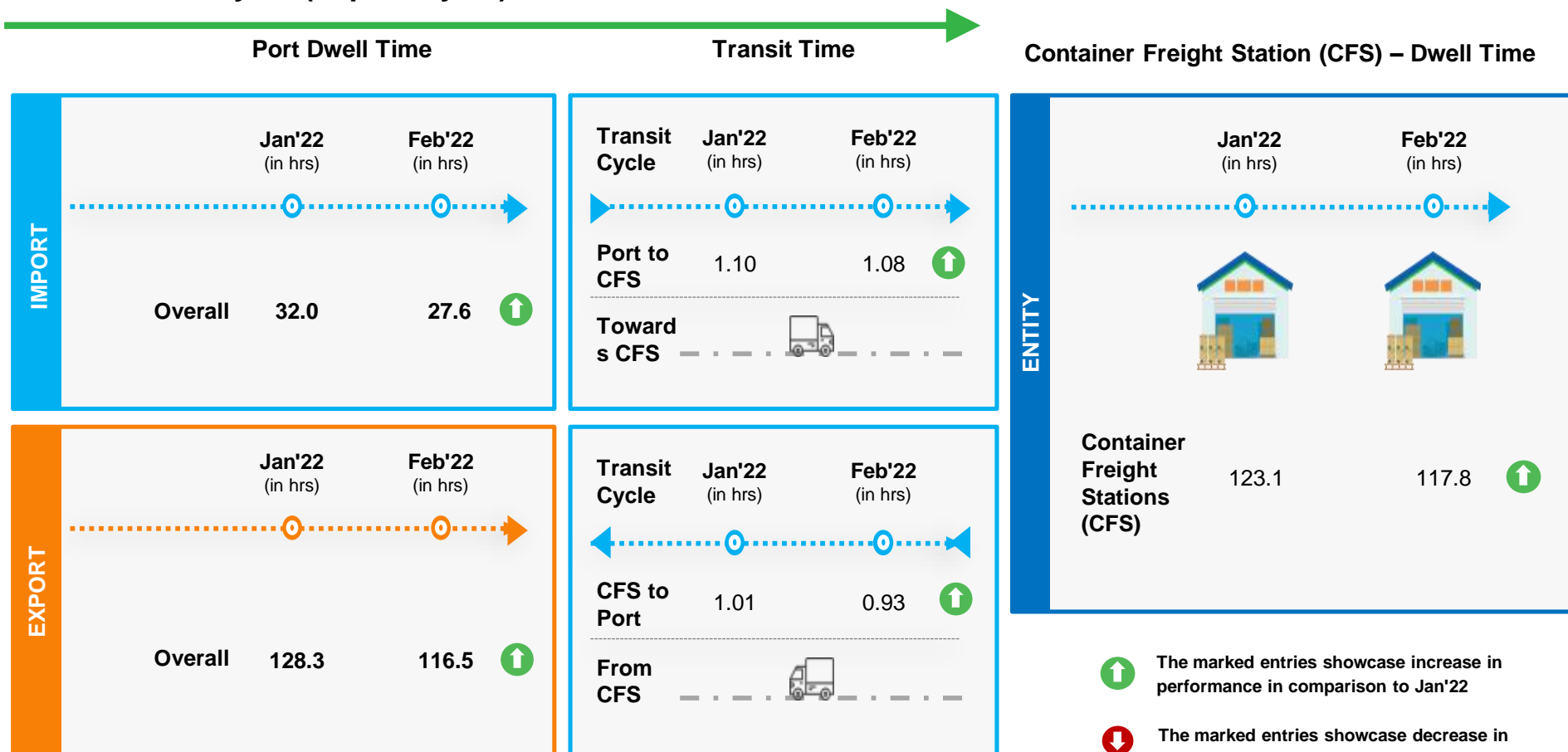
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Kolkata Port Terminal: Container Transportation

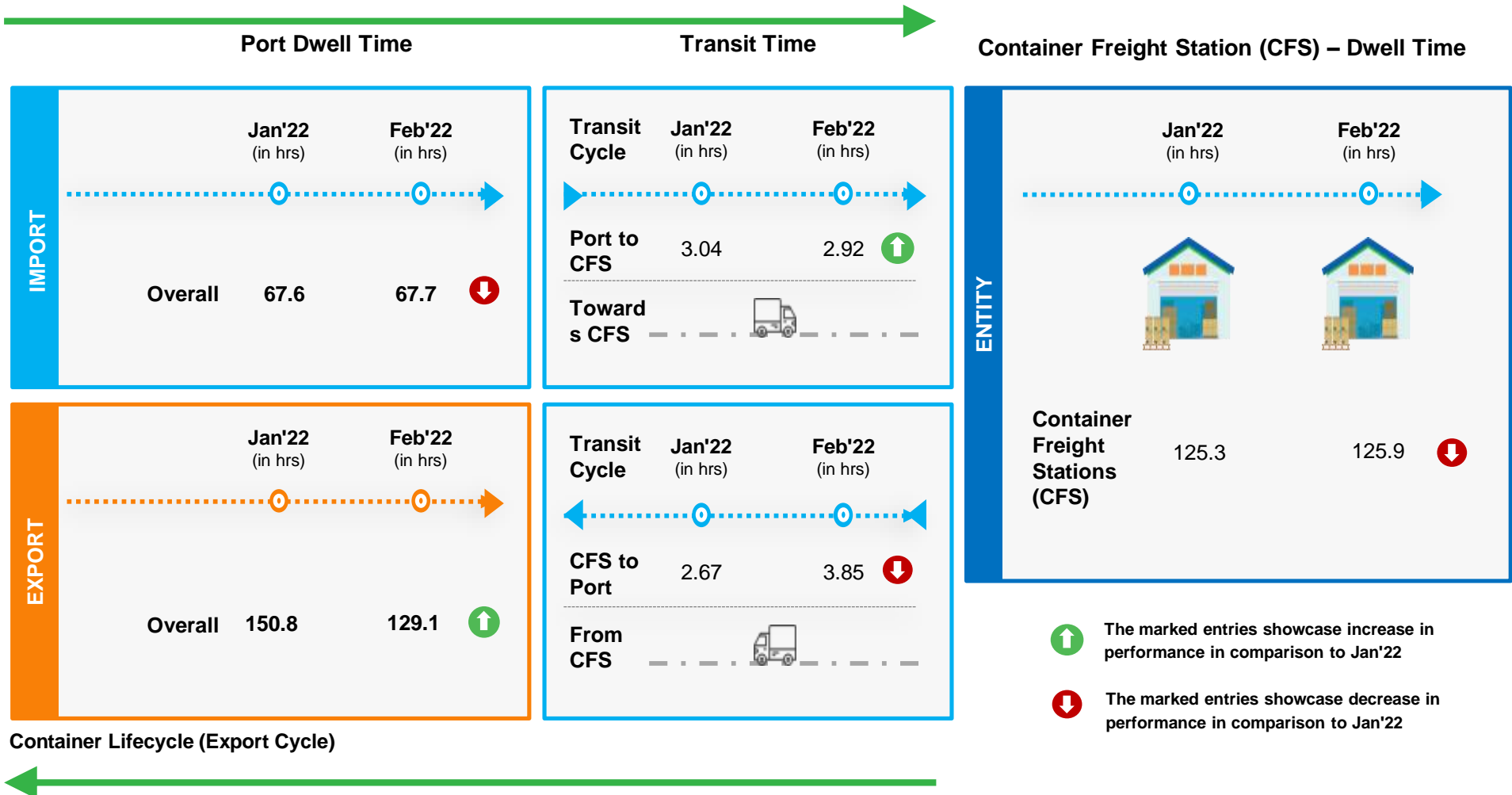
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Haldia Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)







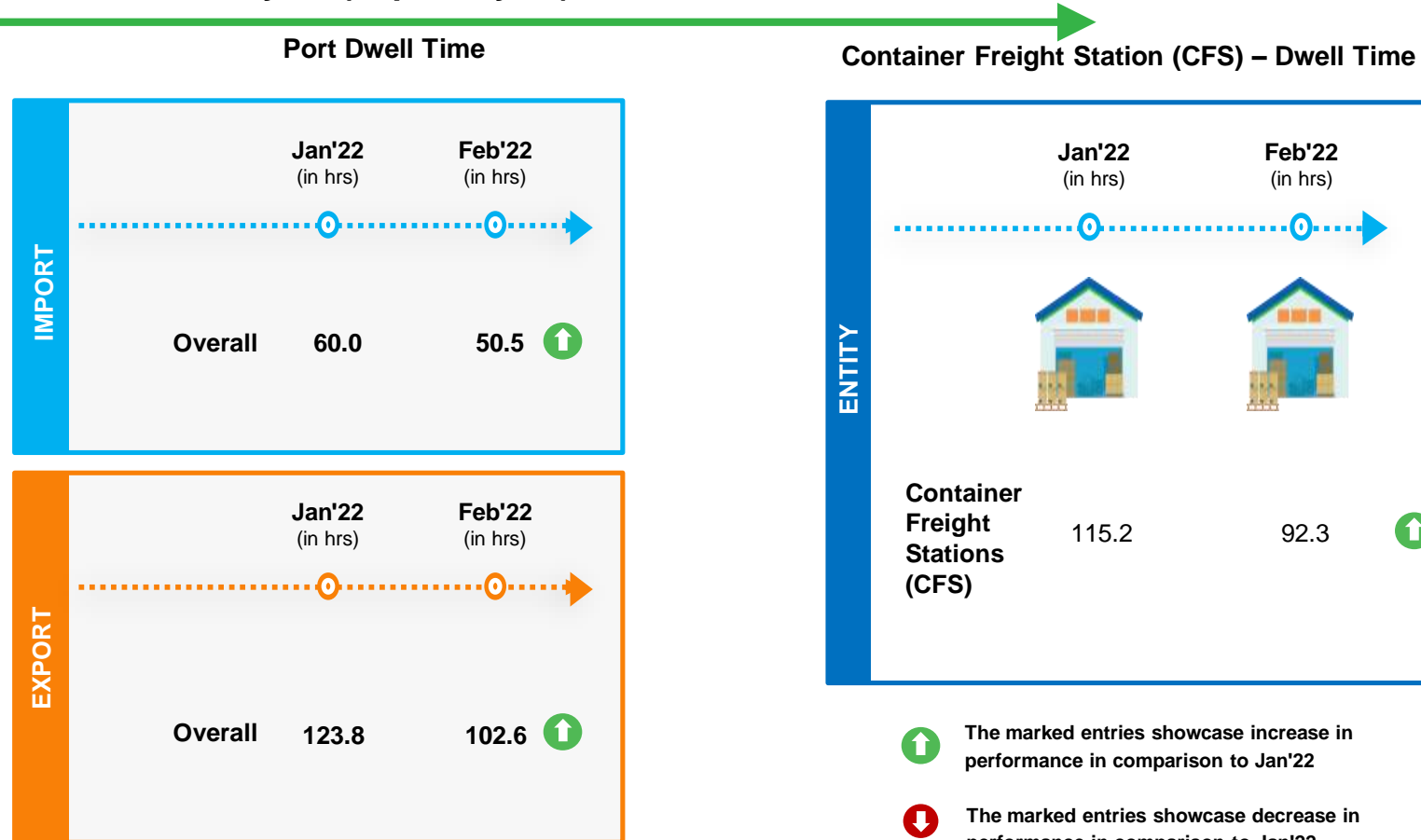
# Individual Terminal Performance In Western Corridor





# Pipavav Port Terminal: Container Transportation

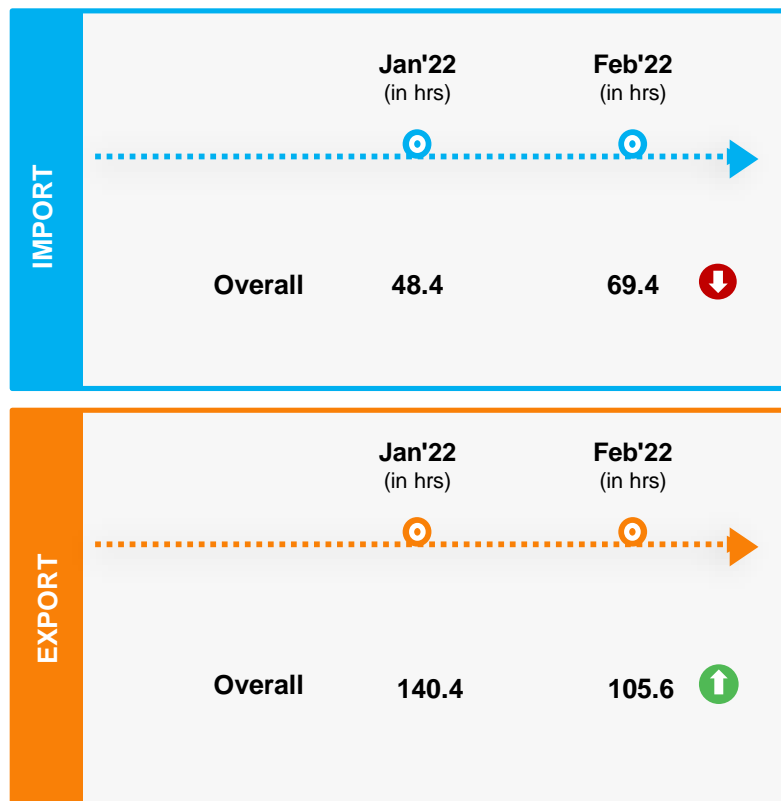
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Jan'22
- ↓ The marked entries showcase decrease in performance in comparison to Jan'22

## Port Dwell Time

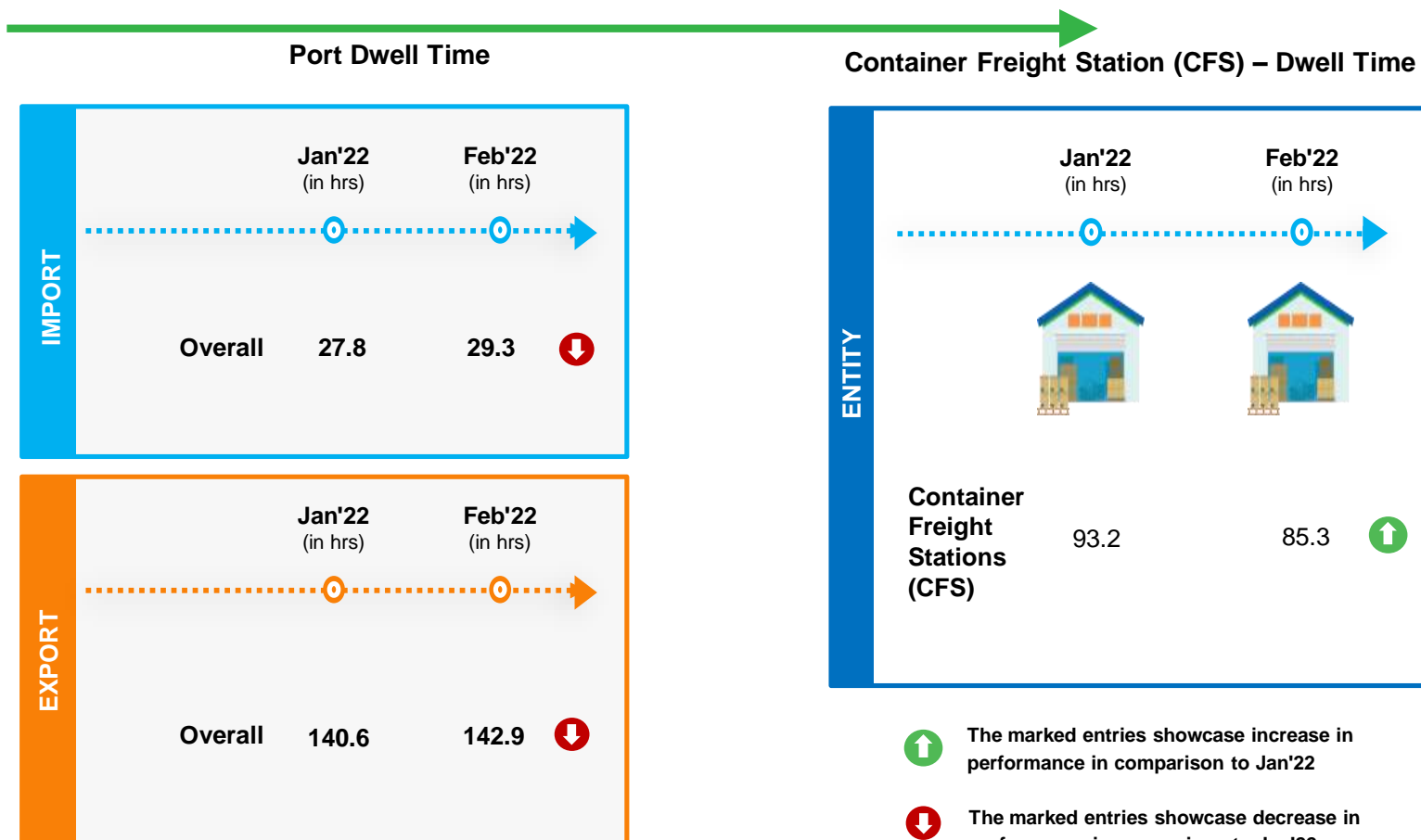


↑ The marked entries showcase increase in performance in comparison to Jan'22

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

# Hazira Port Terminal: Container Transportation

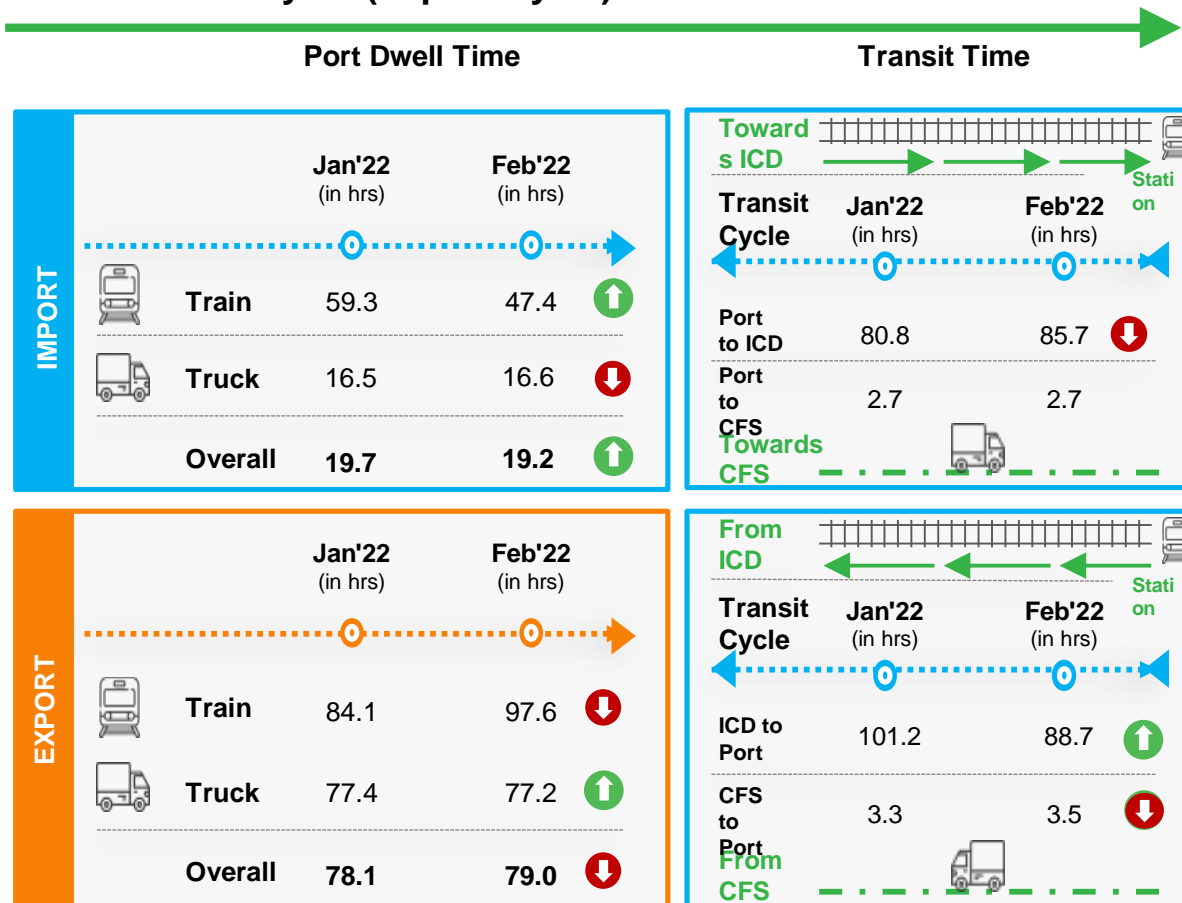
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

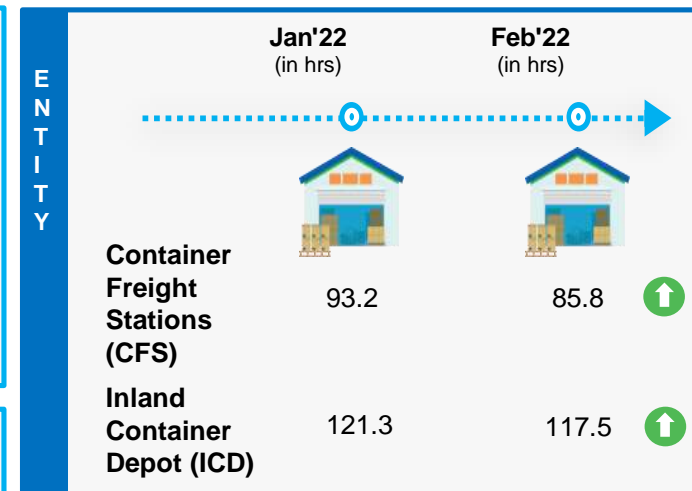
# Container Transportation- JNPT Port Terminals

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

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



## Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	21%	18%
Truck	79%	82%



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



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

# Container Transportation- JNPT Port Terminals

IMPORT CYCLE DWELL TIME (Feb'22 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	19.2	3%	↑
	Port Dwell Time for Truck Bound Containers	16.6	1%	↓
	Port Dwell time for Train Bound Containers	47.4	20%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	30.5	9%	↑
	Port Dwell time Containers bound for CFS	15.2	1%	↓
	Port Dwell for Empty Containers	26.4	2%	↑
	Port Dwell for Laden Containers	17.3	2%	↑
Transit time	Port to ICD	85.7	6%	↓
	Port to CFS	2.7	0%	
EXPORT CYCLE DWELL TIME (Feb'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	79.0	1%	↓
	Port Dwell Time for Truck Bound Containers	77.2	0.2%	↑
	Port Dwell time for Train Bound Containers	97.6	16%	↓
	Port Dwell time Direct Port Entry (DPE) containers	83.7	1%	↓
	Port Dwell time Containers bound from CFS	76.5	0.3%	↓
	Port Dwell for Empty Containers	63.1	5%	↑
	Port Dwell for Laden Containers	82.4	2%	↓
Transit time	ICD to Port	88.7	12%	↑
	CFS to Port	3.5	6%	↓

Compared to Jan'22

Compared to Jan'22

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Jan'22

# JNPT Region: Parking Plaza Dwell Time Analysis

The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle

## Parking Plaza Gate In – Gate Out

Mode	Jan'22 (in hrs)	Feb'22 (in hrs)
Overall Parking Plaza	5.40	5.46

## Container Handled: Day wise (Feb'22 )

Parking Plaza	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	55%	41%	4%

## Parking Plaza Gate Out – Terminal In

Mode	Jan'22 (in hrs)	Feb'22 (in hrs)
Overall Parking Plaza to JNPT Port	1.22	1.59

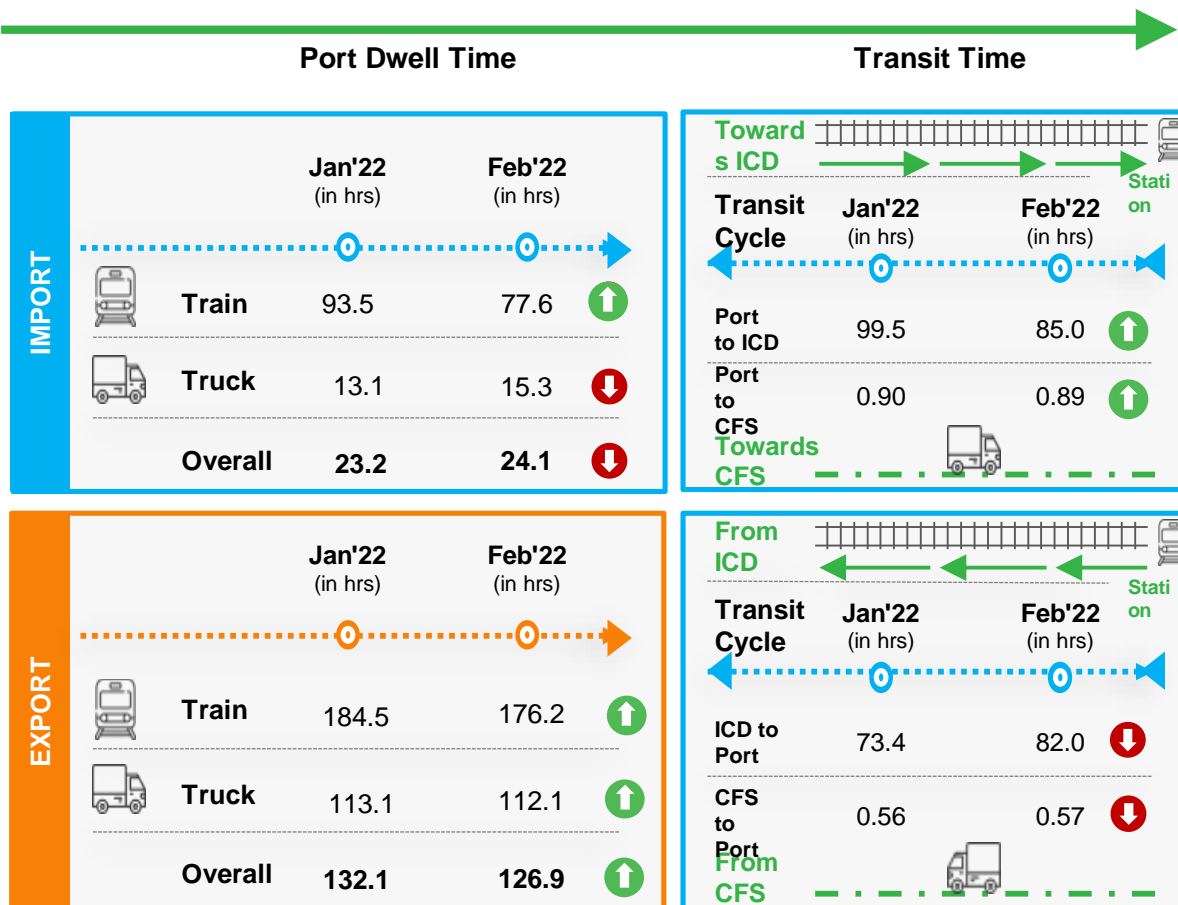
Port	Jan'22 (in hrs)	Feb'22 (in hrs)
JNPCT	1.2	1.3
NSICT	1.0	2.0
GTI	0.8	0.9
NSIGT	0.7	1.1
BMCT	3.7	3.7

## Container Handled: Day wise (Feb'22 )

Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	94%	6%	0%
NSICT	87%	13%	0%
GTI	96%	3%	1%
NSIGT	93%	6%	1%
BMCT	78%	22%	0%

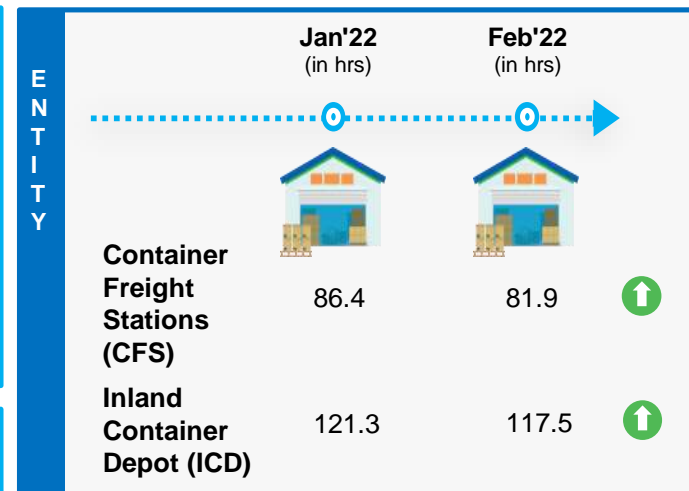
# Mundra Port Terminal : Container Transportation

## Container Lifecycle (Import Cycle)

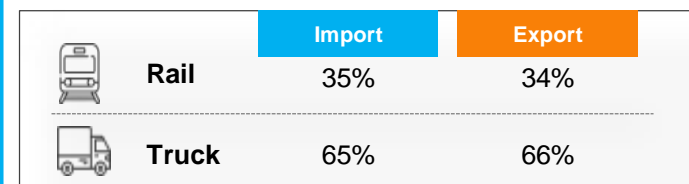


## Container Lifecycle (Export Cycle)

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



## Volume distribution at port terminal – Truck/Rail



- ↑ The marked entries showcase increase in performance in comparison to Jan'22
- ↓ The marked entries showcase decrease in performance in comparison to Jan'22

# Container Transportation- Mundra Port Terminal

IMPORT CYCLE DWELL TIME (Feb'22– in hrs)			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	24.1	4% ↓
	Port Dwell Time for Truck Bound Containers	15.3	17% ↓
	Port Dwell time for Train Bound Containers	77.6	17% ↑
Transit time	Port to ICD	85.0	15% ↑
	Port to CFS	0.89	1% ↑
EXPORT CYCLE DWELL TIME (Feb'22– in hrs)			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	126.9	4% ↑
	Port Dwell Time for Truck Bound Containers	112.1	1% ↑
	Port Dwell time for Train Bound Containers	176.2	4% ↑
Transit time	ICD to Port	82.0	12% ↓
	CFS to Port	0.57	2% ↓

Compared  
to Jan'22



The arrows depict increase/decrease in performance of the stakeholders in comparison to Jan'22

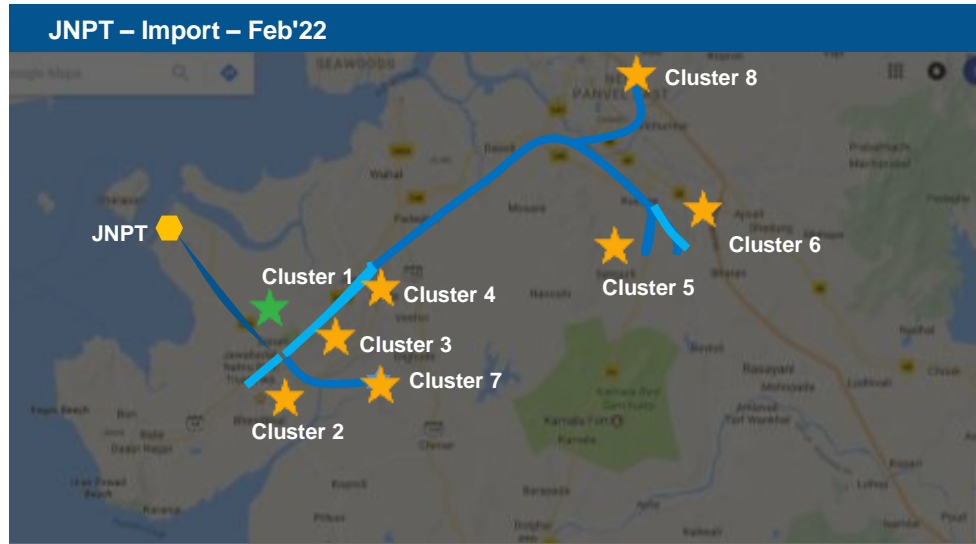


# Congestion Analysis

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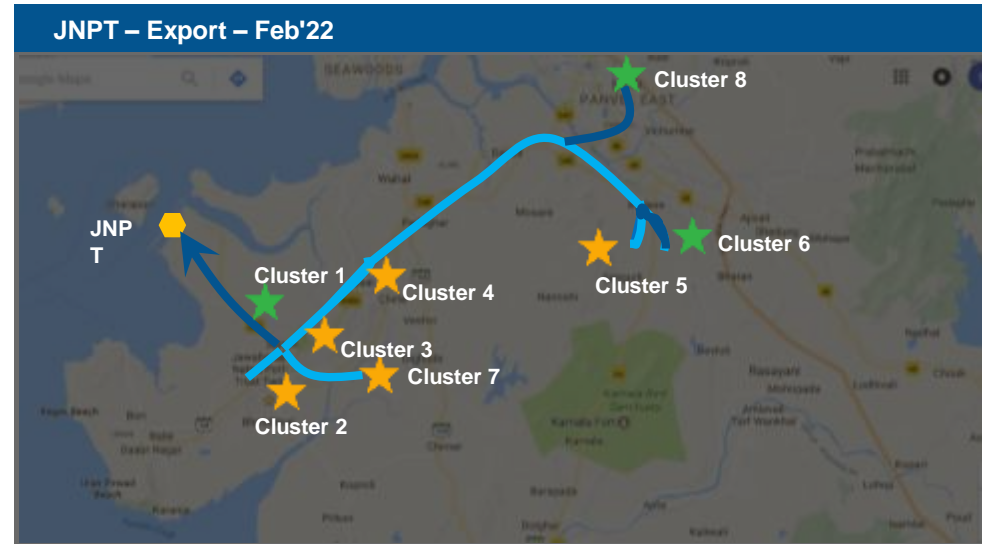
# JNPT Region: Congestion Analysis



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

**Legends**

■ High Congestion   
 ■ Medium Congestion   
 ■ Low Congestion   
 ★ Cluster with bottleneck   
 ★ Cluster without bottleneck



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

# Mundra Region: Congestion Analysis



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



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

## Legends

High Congestion

Medium Congestion

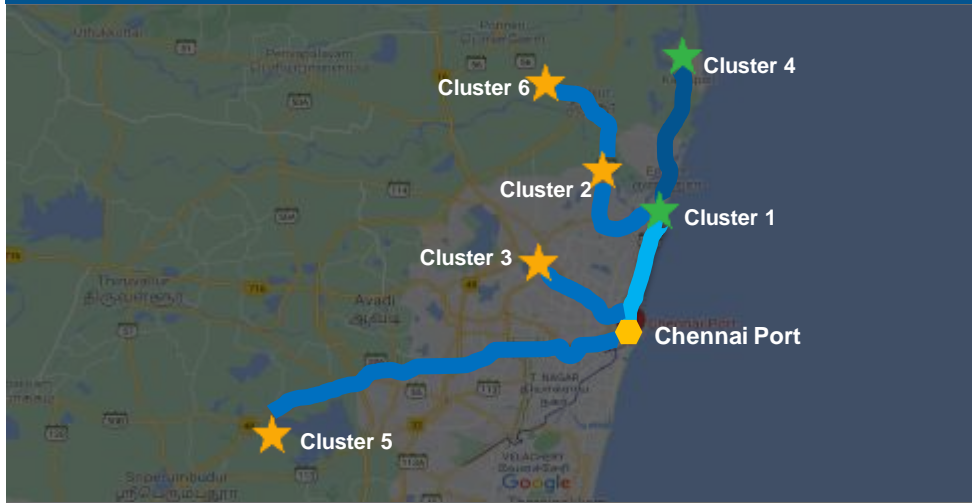
Low Congestion

Cluster with bottleneck

Cluster without bottleneck

# Chennai Region: Congestion Analysis

Chennai – Import – Feb'22



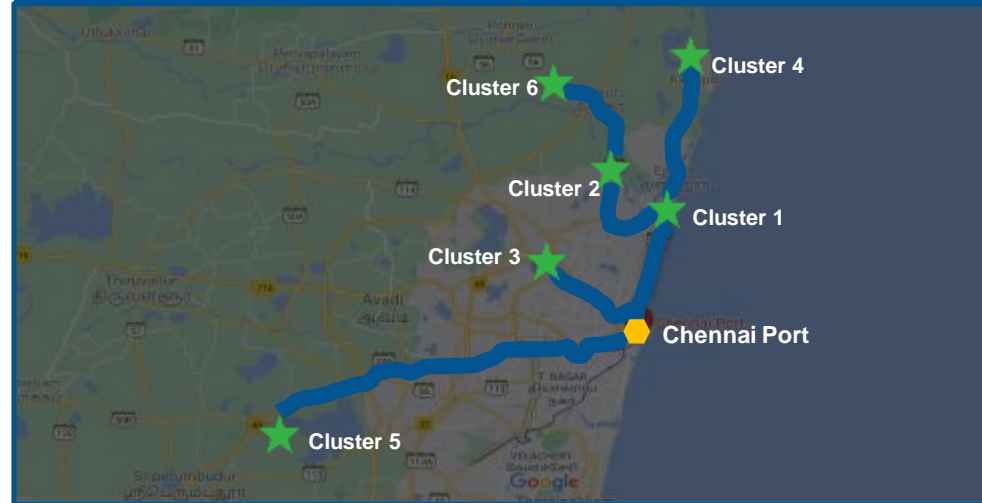
## Clusters with bottleneck

Cluster 1	Chennai port bound area
Cluster 4	Kattupalli port bound area

## Clusters without bottleneck

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 – Feb'22





## Clusters with bottleneck

Cluster 1	Chennai port bound area
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

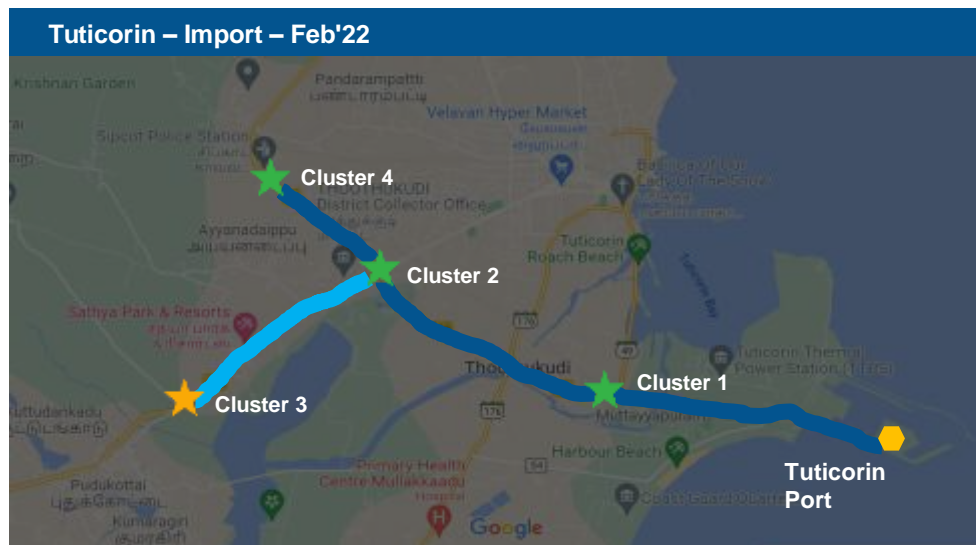
## Clusters without bottleneck

**Legends**

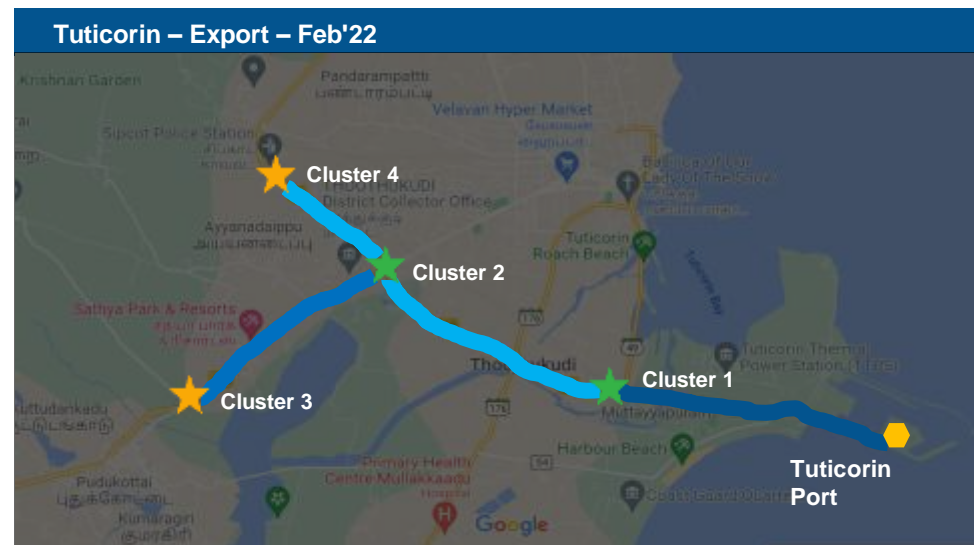
 High Congestion	 Medium Congestion	 Low Congestion	 Cluster with bottleneck	 Cluster without bottleneck
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# Tuticorin Region: Congestion Analysis



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

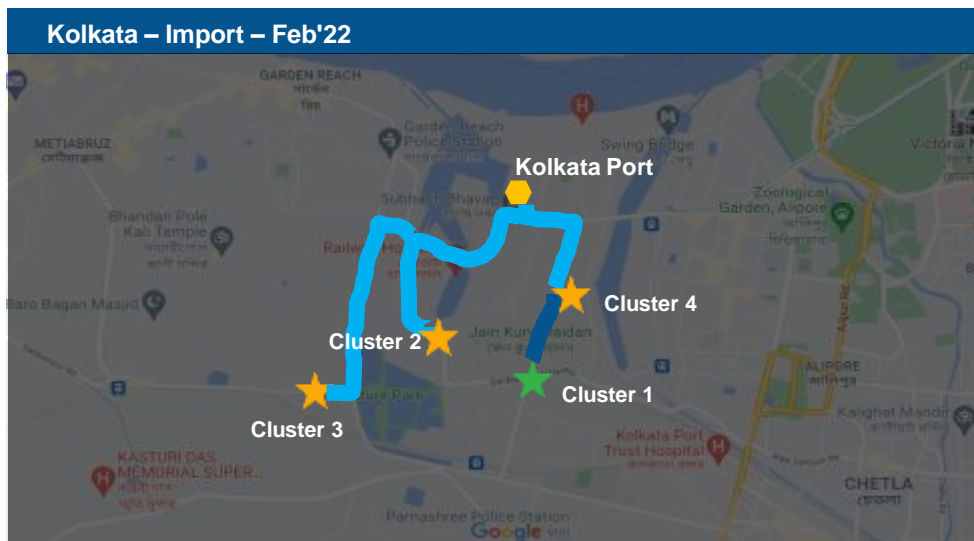


Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Perianayagapuram, Thoothukudi near by Madurai road
Clusters without bottleneck	
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

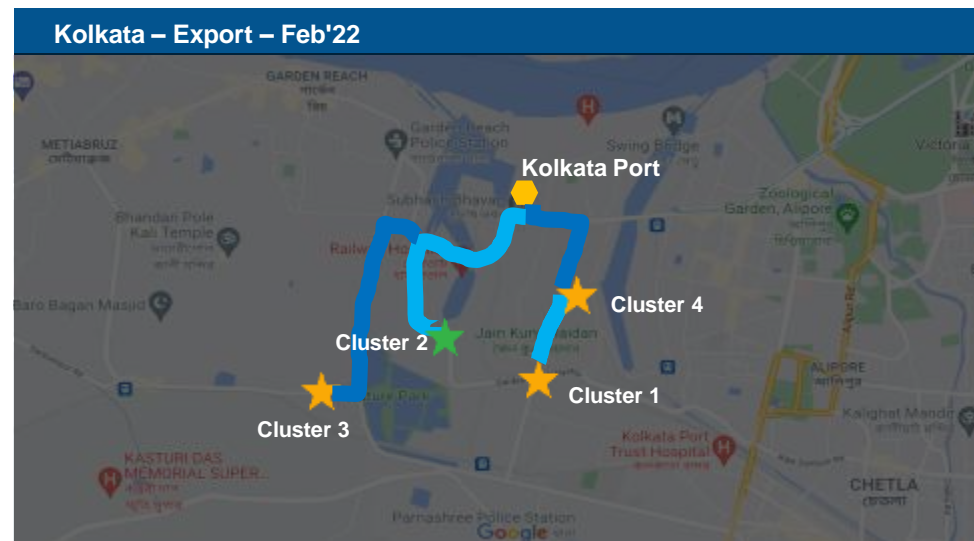
**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Kolkata Region: Congestion Analysis



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

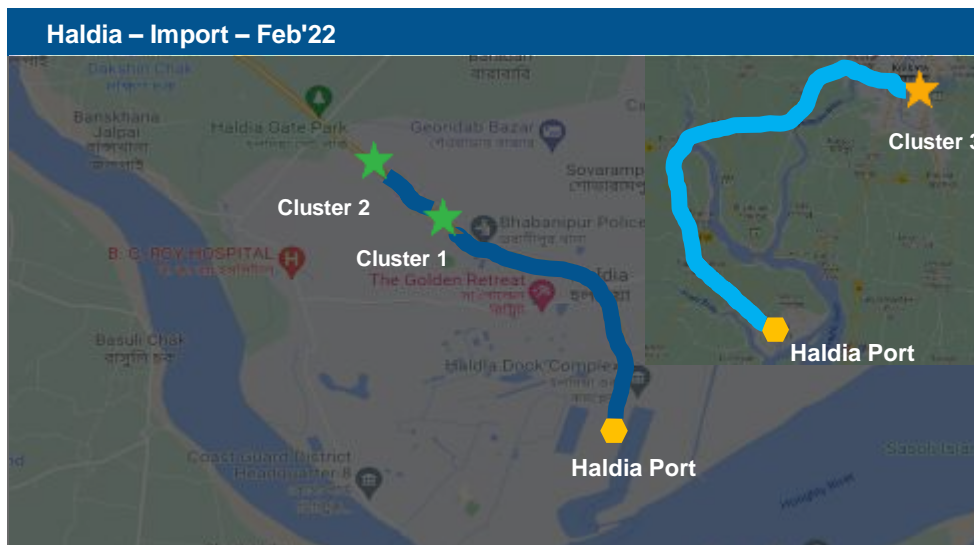


Clusters with bottleneck	
Cluster 2	Sonapur road area
Clusters without bottleneck	
Cluster 1	Base bridge area
Cluster 3	Nature park area
Cluster 4	Babu bazar area

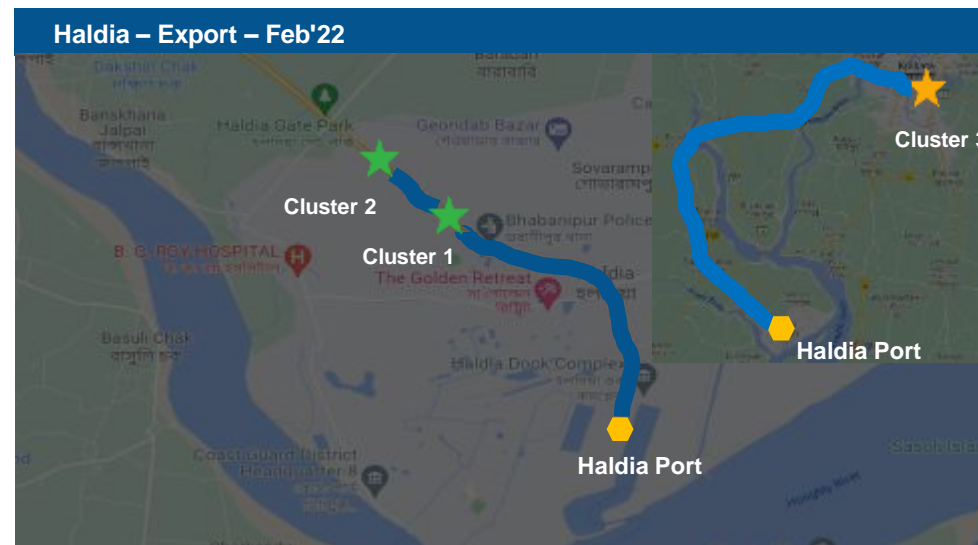
**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Haldia Region: Congestion Analysis



Clusters with bottleneck	
Cluster 1	Talpukur area, Kolkata highway
Cluster 2	City centre area, Kolkata highway
Clusters without bottleneck	
Cluster 3	Silpodanga area

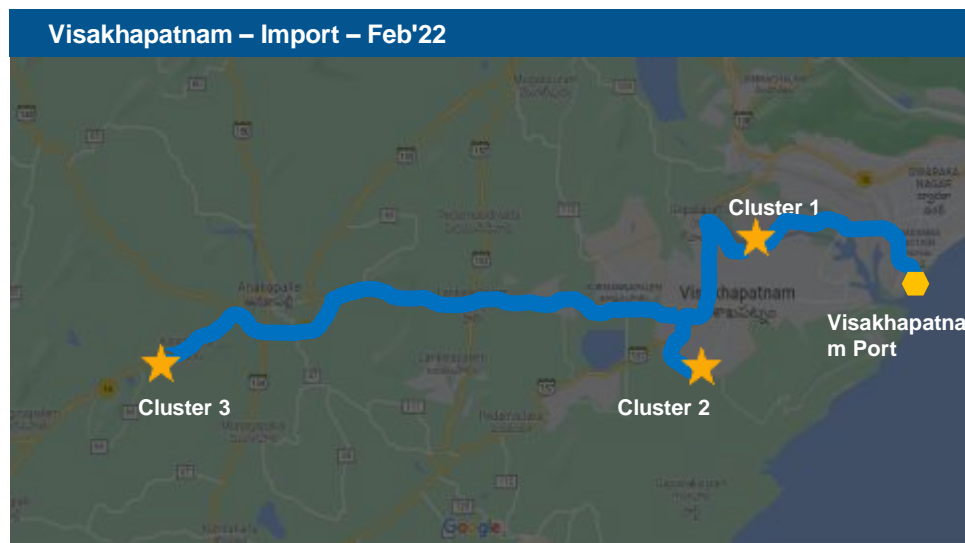


Clusters with bottleneck	
Cluster 1	Talpukur area, Kolkata highway
Cluster 2	City centre area, Kolkata highway
Clusters without bottleneck	
Cluster 3	Silpodanga area

**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Visakhapatnam Region: Congestion Analysis



## 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





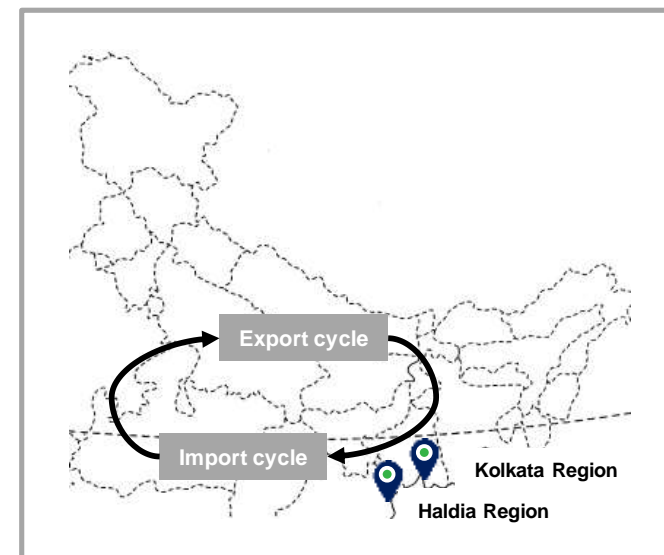
# Container Movement across India



# 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

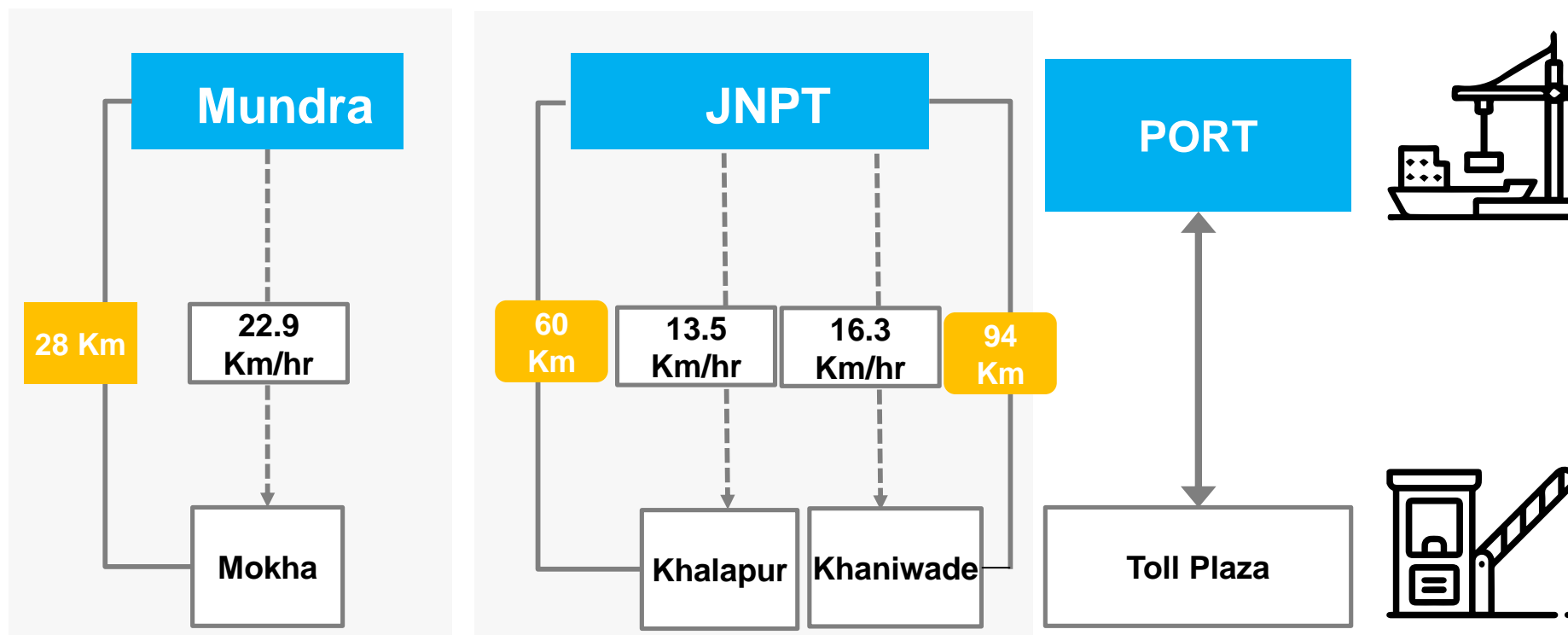
Kolkata Port Terminal			Kolkata Port Terminal		
Import Cycle	Mode	ICP Raxaul	Export Cycle	Mode	ICP Raxaul
	Overall	81.3 hrs		Overall	488.1 hrs
	Road	119.4 hrs		Road	432.5 hrs
	Rail	69.3 hrs		Rail	504.0 hrs
Haldia Port Terminal			Haldia Port Terminal		
	Mode	ICP Raxaul		Mode	ICP Raxaul
	Overall	75.4		Overall	501.5 hrs



Due to Low volume in Export cycle at Haldia Port Terminal, for ICP Jogbani only ICP Raxaul has been showcased  
Also, There is no train bound containers available at ICP Jogbani for Import and Export Cycle.

# Evacuation Efficiency Analysis

Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza



# Evacuation Efficiency Analysis: Other Major Ports

Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza

Region	Port	Adjacent Toll plaza	Distance (in KM)	Average Speed (in Km/h)		
				Nov'21	Jan'22	Feb'22
Western	Hazira	Boriach	77	5.4	4.0	4.7
Eastern	KOPT(Kolkata)	Dankuni	24	2.3	2.4	2.3
	HICT(Haldia)	Debra	100	6.9	5.3	7.2
		Jaladhulagori	101	7.3	7.9	9.2
Southern	Chennai	Surapattu	18	2.8	-	-
		Nallur	23	1.8	1.6	1.6
	Kochi	Kumbalam	13	0.6	0.7	0.6
		GIPL Palayekara	71	11.9	11.0	13.5
	NMPT (New Manglore)	Brahamarakotlu	25	3.0	2.9	2.5
		Talapady	22.5	2.6	2.3	2.0
		Gundmi	68	4.3	5.7	5.6
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	4.3	4.1	2.7
	Ennore	Surapattu	35	3.0	-	-
	Tuticron	VoCPT CheckPost1	4.3	11.6	12.9	13.1

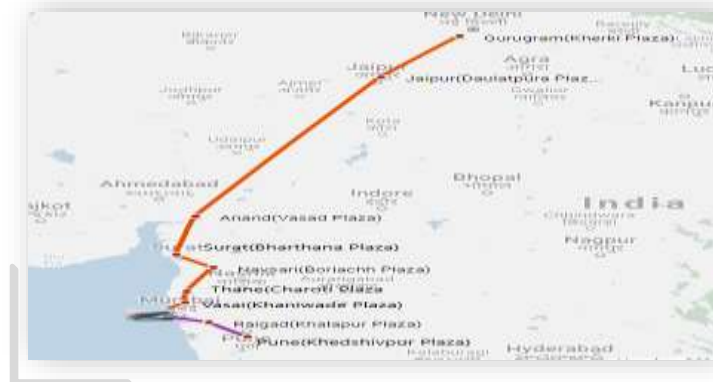
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

# Western Corridor Toll Plaza Analysis

Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Jan'22 (in km/hrs)	Feb'22 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.5	16.3
	JNPT	Khalapur	60	16.6	13.5
	Khaniwade	Charoti	50	38.3	38.5
	Charoti	Boriach	126	29.3	28.0
	Boriach	Bharthan	142	34.4	33.1
	Bharthan	Vasad	60	37.4	37.8
	Khalapur	Khedshivpur	105	35.3	35.6
MUNDRA	Mundra	Mokha	28	25.3	22.9
	Mokha	Makhel	150	25.3	24.9
	Mokha	Surajbari	115	25.6	26.7
	Makhel	Bhalgam	108	34.3	34.6

Toll Plaza - JNPT Port



Toll Plaza – Mundra Port



# Annexure – Name of the Ports

## List of Port name used in Executive Summary

Terminal Name	Name of the Port
ACMTTL	Adani CMA Mundra Terminal (ACMTTL)
AHPL	Adani Hazira Port Limited (AHPL)
AICT	Adani International Container Terminal (AICT)
AMCT	Adani Mundra Container Terminal (AMCT)
AMCT-2	Adani Mundra Container Terminal-2 (AMCT-2)
BMCT	Bharat Mumbai Container Terminal(PSA)
CCTL	Chennai Container Terminal Pvt. Ltd. (CCTL)
CITPL	Chennai International Terminals Pvt Ltd (CITPL)
DBGT	Dakshin Bharat Gateway Terminal (DBGT)
GTI	Gateway Terminals India (GTI)
HICT	Haldia International Container Terminal (HICT)
AKCTPL	Adani Krishnapatna Container Terminal Pvt. Ltd.

Terminal Name	Name of the Port
KICT	Kandla International Container Terminal (KICT)
ICTT	International Container Transshipment Terminal, Kochi
JNPCT	Jawaharlal Nehru Port Container Terminal (JNPCT)
AKPPL	Kattupalli International Container Terminal (KICT)
KDS	Kolkata Dock System (KDS)
MICT	Mundra International Container Terminal (MICT)
NSIGT	Nhava Sheva India Gateway Terminal (NSIGT)
NSICT	Nhava Sheva International Container Terminal (NSICT)
PSA - SICAL	PSA SICAL Terminals
VCTPL	Visakha Container Terminal
NMPT	New Mangalore Port Trust Terminal
AECT	Adani Ennore Container Terminal (AECT)



# Annexure – CFS – Pan India

## List of CFS name used in CFS Performance Index

1 Allcargo Logistics CFS	KOLKATA			73 Ashutosh CFS, Mundra	Gujarat
2 Century Plyboards CFS, JJP	KOLKATA	37 A S Shipping Agencies CFS, Tiruvallur	Chennai	74 MICT CFS, Mundra	Gujarat
3 Balmer Lawrie CFS	KOLKATA	38 Adani CFS, Kattupalli Tiruvallur Tamil Nadu	Chennai	75 Landmark CFS, Mundra	Gujarat
4 Century Plyboards CFS, Sonai	KOLKATA	39 Hind Terminals CFS, Chennai	Chennai	76 AllCargo CFS, Mundra	Gujarat
5 VPL Integral CFS	VISAKHAPATNAM	Kerry Indev Logistics Private Limited / Continental		77 Navkar Corporation Yard 2 CFS, Panvel	Mumbai
6 A L Logistics CFS	HALDIA	40 Container Freight Station	TUTICORIN	78 Honey Comb CFS, Mundra	Gujarat
7 Sravan CFS-1	VISAKHAPATNAM	41 A.S.Shipping Agencies Pvt Ltd	TUTICORIN	79 Seabird CFS, Navi Mumbai	Mumbai
8 Phonex CFS	KOLKATA	42 Apm Terminals India CFS, Tiruvallur	Chennai	80 Seabird CFS, Mundra	Gujarat
9 Gateway East India CFS	VISAKHAPATNAM	43 Thiru Rani Logistics CFS, Tiruvallur	Chennai	81 Balmer & Lawrie CFS, Navi Mumbai	Mumbai
10 VCT CFS	VISAKHAPATNAM	44 Vilsons CFS	TUTICORIN	82 Vaishno Logistics CFS, Navi Mumbai	Mumbai
11 LCL Freight Solutions	HALDIA	45 Diamond CFS Park	TUTICORIN	83 Mundhra CFS, Mundra	Gujarat
12 Ralson Petro Chemicals CFS	HALDIA	46 Chola Logistiks Pvt Ltd	TUTICORIN	84 Kerry Indev Logistics Pvt Ltd CFS	Mumbai
13 CWC CFS, Kolkata	KOLKATA	47 Hari CFS	TUTICORIN	85 Rishi CFS, Mundra	Gujarat
14 Allcargo Global Logistics CFS, Chennai	Chennai	48 STP Services CFS, Chennai	Chennai	86 Punjab Conware CFS, Navi Mumbai	Mumbai
15 Sical CFS, Chennai Tiruvallur Tamil Nadu	Chennai	49 Sattva Cfs And Logistics CFS, Chennai	Chennai	87 TG Terminals CFS	Mumbai
Continental Warehousing Corporation CFS (Nhava Seva),		50 Viking Warehousing CFS, Chennai	Chennai	88 Take Care Logistics CFS	Mumbai
16 Chennai	Chennai	51 Gateway Distripark CFS, Krishnapatnam	KRISHNAPATNAM	89 Dronagiri Rail Terminal CFS, Navi Mumbai	Mumbai
17 Gateway Distriparks CFS, Chennai	Chennai	52 Sun Global Logistics CFS, Kanchipuram	Chennai	90 Maersk Annex (APM)CFS, Navi Mumbai	Mumbai
18 Sanco Trans CFS, Chennai	Chennai	53 Gateway Distriparks CFS, Navi Mumbai	Mumbai	91 JWR CFS	Mumbai
19 Kerry Indev Logistics ICD, Kanchipuram	Chennai	54 CWC Hind Terminal CFS, Navi Mumbai	Mumbai	92 Maharashtra State Corp CFS	Mumbai
20 Ennore Cargo Container Terminal CFS, Chennai	Chennai	55 Saurashtra CFS, Mundra	Gujarat	93 Seabird CFS, Hazira	Gujarat
21 Kailash Shipping Services CFS, Chennai	Chennai	56 AllCargo Logistics	Mumbai	94 Ocean Gate CFS, Panvel	Mumbai
22 ALS Tuticorin Terminal Private Limited	TUTICORIN	57 Speedy Multimode CFS, JNPT	Mumbai	95 Hind Terminal CFS, Hazira	Gujarat
23 Glovis India CFS, Kanchipuram	Chennai	58 Continental Warehousing CFS, Navi Mumbai	Mumbai	96 Transworld CFS, Mundra	Gujarat
24 Raja Agencies CFS	TUTICORIN	59 Adani CFS Eximyard, Mundra	Gujarat	97 A V Joshi CFS	Gujarat
25 Sattva Hi-Tech And Conware CFS, Chennai	Chennai	60 Ameya Logistics CFS, Navi Mumbai	Mumbai	98 APM (Maersk India) CFS, Navi Mumbai	Mumbai
26 Calyx Container Terminal CFS, Chennai	Chennai	61 International Cargo Terminals (ULA) CFS, Navi Mumbai	Mumbai	99 Navkar Corporation Yard 1 CFS, Panvel	Mumbai
27 St. John Freight Systems Ltd. - ICD Division	TUTICORIN	62 International Cargo Terminal CFS	Mumbai	100 Empezar Logistics CFS	Gujarat
28 Triway CFS, Chennai	Chennai	63 JWC Logistics Park CFS	Mumbai		
29 Balmer Lawrie CFS, Chennai	Chennai	64 Navkar Corporation Yard 3 CFS, Panvel	Mumbai		
30 MIV CFS	KOCHI	65 Hind Terminals Pvt. Ltd. CFS, Mundra	Gujarat		
31 Continental Warehousing Corporation Nhava Sheva Ltd.	TUTICORIN	66 CWC CFS, Mundra	Gujarat		
Continental Warehousing Corporation CFS (Nhava Seva),		67 Adani CFS, Hazira	Gujarat		
32 Tiruvallur	Chennai	68 Ashte Logistics CFS, Panvel	Mumbai		
33 Chandra CFS, Tiruvallur	Chennai	69 EFC Logistics India	Mumbai		
34 GDKL CFS	KOCHI	70 Sarveshwar CFS	Mumbai		
35 Sical Multimodal and Rail Transport Ltd. - CFS Division	TUTICORIN	71 TG Terminals CFS, Mundra	Gujarat		
36 Sudharsan Logistics CFS, Chennai	Chennai	72 Apollo Logisolutions CFS, Panvel	Mumbai		

# Annexure – Western Region

## List of CFS name used in CFS Performance Index

1	Gateway Distriparks CFS, Navi Mumbai	25	Navkar Corporation Yard 2 CFS, Panvel
2	CWC Hind Terminal CFS, Navi Mumbai	26	Honey Comb CFS, Mundra
3	Saurashtra CFS, Mundra	27	Seabird CFS, Navi Mumbai
4	AllCargo Logistics	28	Seabird CFS, Mundra
5	Speedy Multimode CFS, JNPT	29	Balmer & Lawrie CFS, Navi Mumbai
6	Continental Warehousing CFS, Navi Mumbai	30	Vaishno Logistics CFS, Navi Mumbai
7	Adani CFS Eximyard, Mundra	31	Mundhra CFS, Mundra
8	Ameya Logistics CFS, Navi Mumbai	32	Kerry Indev Logistics Pvt Ltd CFS
9	International Cargo Terminals (ULA) CFS, Navi Mumbai	33	Rishi CFS, Mundra
10	International Cargo Terminal CFS	34	Punjab Conware CFS, Navi Mumbai
11	JWC Logistics Park CFS	35	TG Terminals CFS
12	Navkar Corporation Yard 3 CFS, Panvel	36	Take Care Logistics CFS
13	Hind Terminals Pvt. Ltd. CFS, Mundra	37	Dronagiri Rail Terminal CFS, Navi Mumbai
14	CWC CFS, Mundra	38	Maersk Annex (APM)CFS, Navi Mumbai
15	Adani CFS, Hazira	39	JWR CFS
16	Ashte Logistics CFS, Panvel	40	Maharashtra State Corp CFS
17	EFC Logistics India	41	Seabird CFS, Hazira
18	Sarveshwar CFS	42	Ocean Gate CFS, Panvel
19	TG Terminals CFS, Mundra	43	Hind Terminal CFS, Hazira
20	Apollo Logisolutions CFS, Panvel	44	Transworld CFS, Mundra
21	Ashutosh CFS, Mundra	45	A V Joshi CFS
22	MICT CFS, Mundra	46	APM (Maersk India) CFS, Navi Mumbai
23	Landmark CFS, Mundra	47	Navkar Corporation Yard 1 CFS, Panvel
24	AllCargo CFS, Mundra	48	Empezar Logistics CFS

## List of ICD name used in ICD Performance Index

1	ACTL ICD, Faridabad
2	Adani Logistics Park ICD, Gurgaon
3	Albatross Inland Ports ICD, Dadri
4	Allcargo Logistics Park ICD, Dadri
5	APM Terminals ICD, Dadri
6	CMA CGM Logistics Park, Dadri
7	Gateway Rail Freight ICD, Gurgaon
8	GatewayRail Freight ICD, Pyala
9	Hind Terminals Logistics Park ICD, Palwal
10	Navkar ICD, Tumb
11	Pristine ICD Chawapail
12	The Thar Dry Port
13	Continental Warehousing Corporation Nhava Sheva pvt.



# Annexure – Southern & Eastern Region

**List of CFS name used in Southern CFS Performance Index**

1	Allcargo Global Logistics CFS, Chennai	21	GDKL CFS
2	Sical CFS, Chennai Tiruvallur Tamil Nadu	22	Sical Multimodal and Rail Transport Ltd. - CFS Division
3	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	23	Sudharsan Logistics CFS, Chennai
4	Gateway Distriparks CFS, Chennai	24	A S Shipping Agencies CFS, Tiruvallur
5	Sanco Trans CFS, Chennai	25	Adani CFS, Kattupalli Tiruvallur Tamil Nadu
6	Kerry Indev Logistics ICD, Kanchipuram	26	Hind Terminals CFS, Chennai
7	Ennore Cargo Container Terminal CFS, Chennai	27	Kerry Indev Logistics Private Limited / Continental Container Freight Station
8	Kailash Shipping Services CFS, Chennai	28	A.S.Shipping Agencies Pvt Ltd
9	ALS Tuticorin Terminal Private Limited	29	Apm Terminals India CFS, Tiruvallur
10	Glovis India CFS, Kanchipuram	30	Thiru Rani Logistics CFS, Tiruvallur
11	Raja Agencies CFS	31	Vilsons CFS
12	Sattva Hi-Tech And Conware CFS, Chennai	32	Diamond CFS Park
13	Calyx Container Terminal CFS, Chennai	33	Chola Logistiks Pvt Ltd
14	St. John Freight Systems Ltd. - ICD Division	34	Hari CFS
15	Triway CFS, Chennai	35	STP Services CFS, Chennai
16	Balmer Lawrie CFS, Chennai	36	Sattva Cfs And Logistics CFS, Chennai
17	MIV CFS	37	Viking Warehousing CFS, Chennai
18	Continental Warehousing Corporation Nhava Sheva Ltd.	38	Gateway Distripark CFS, Krishnapatnam
19	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	39	Sun Global Logistics CFS, Kanchipuram
20	Chandra CFS, Tiruvallur		

**List of CFS name used in Eastern CFS Performance Index**

1	Allcargo Logistics CFS
2	Century Plyboards CFS, JJP
3	Balmer Lawrie CFS
4	Century Plyboards CFS, Sonai
5	VPL Integral CFS
6	A L Logistics CFS
7	Sravan CFS-1
8	Phonex CFS
9	Gateway East India CFS
10	VCT CFS
11	LCL Freight Solutions
12	Ralson Petro Chemicals CFS
13	CWC CFS, Kolkata

**THANK**  

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