



# Logistics Databank Analytics Report

DECEMBER 2021



## 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
7. Analysis of Container Movement across India

## 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. JNPT Region: Congestion Analysis
5. Western Corridor Toll Plaza Analysis

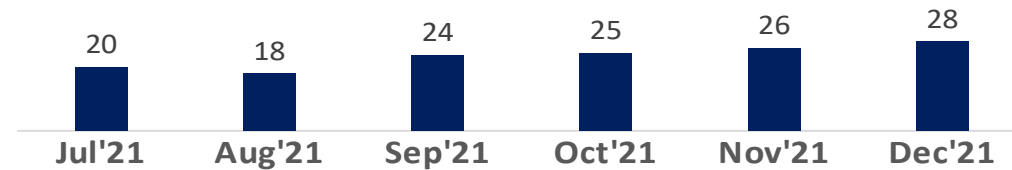
# PAN INDIA Performance Snapshot: December 2021 (Dwell Time)



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

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

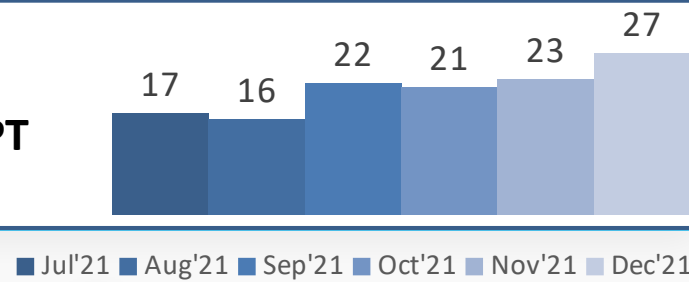
### Western Corridor



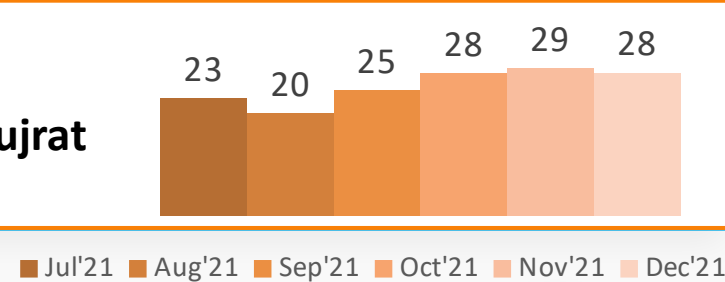
### Port - Wise



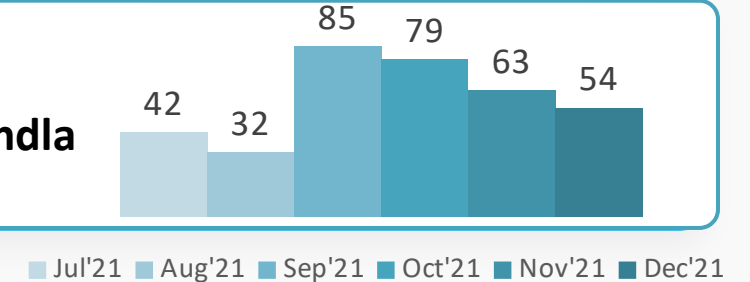
#### JNPT



#### Gujrat



#### Kandla

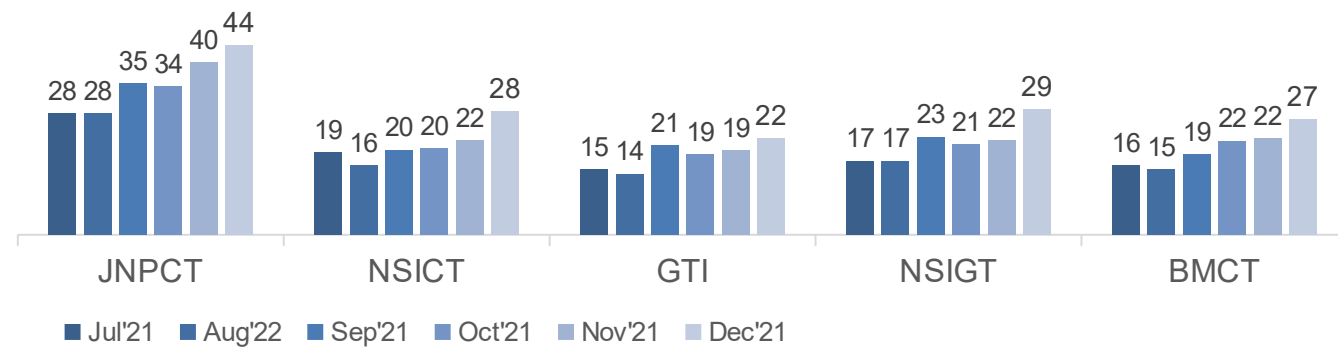


■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

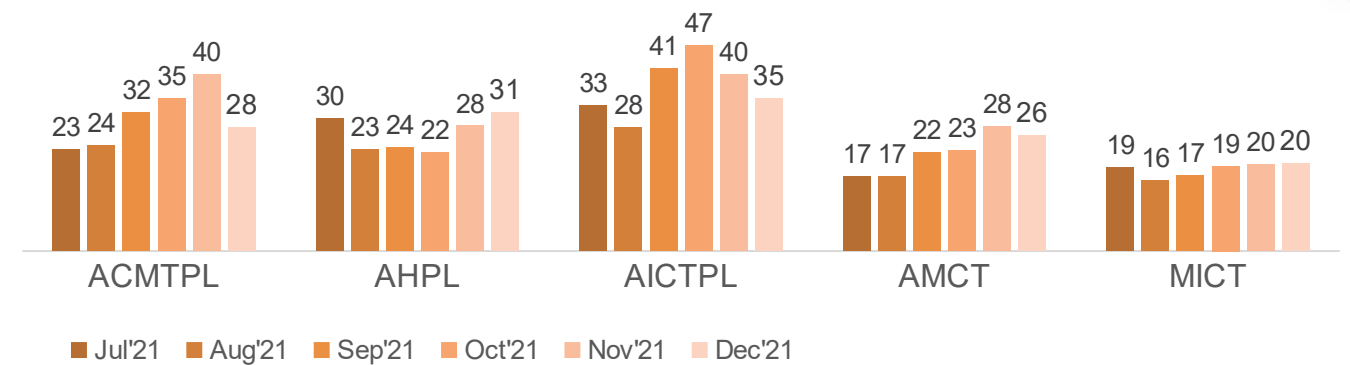
■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

### JNPT - Terminal



### Gujarat - Terminal

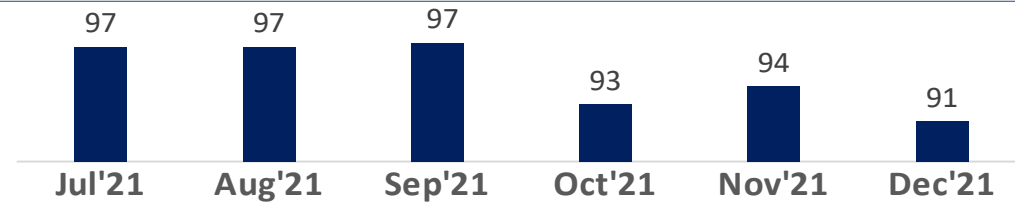




# Port Dwell Time Performance – Western Corridor (Export Cycle)

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

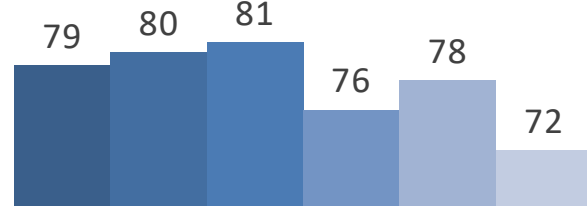
### Western Corridor



### Port - Wise

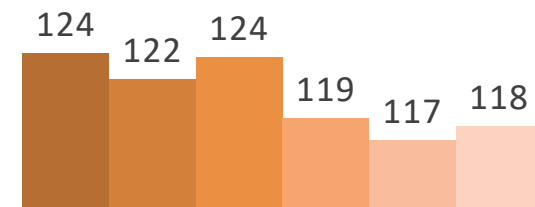


#### JNPT



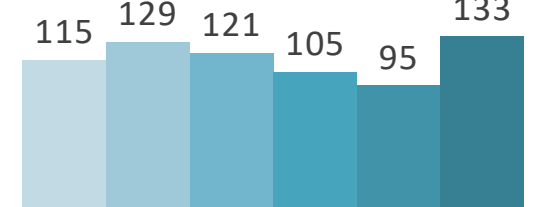
■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

#### Gujrat



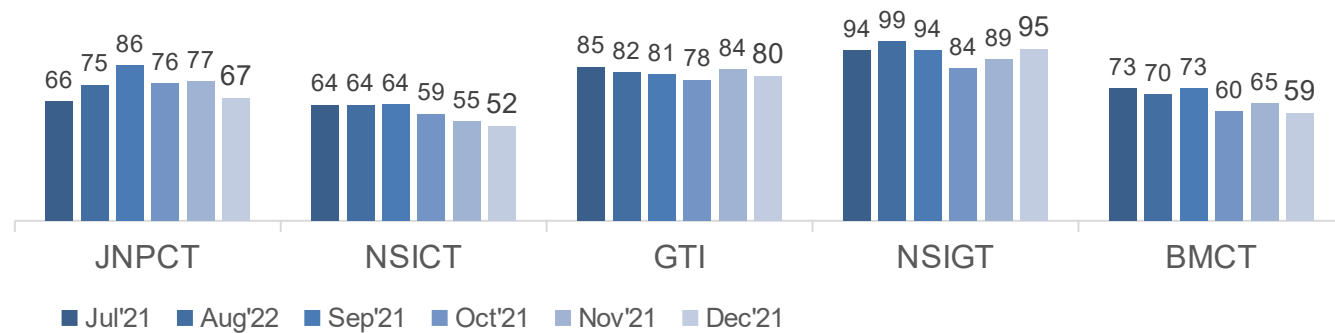
■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

#### Kandla

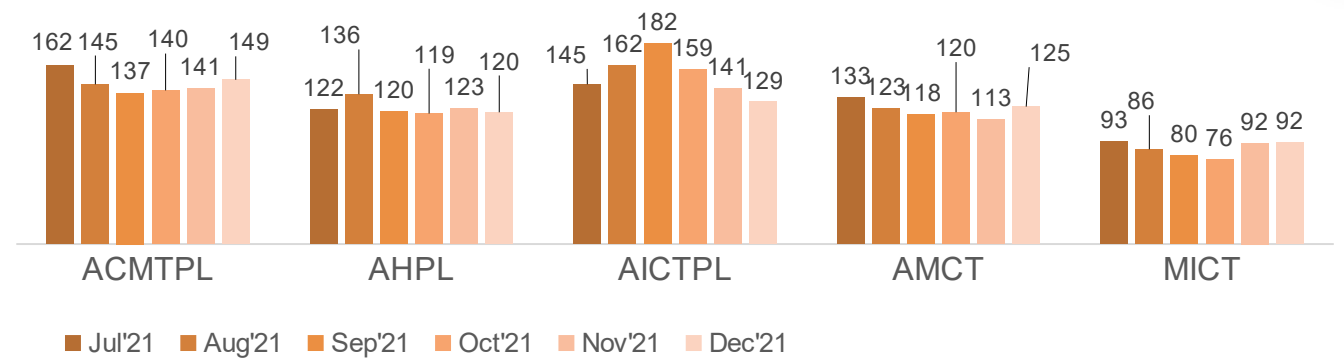


■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

### JNPT - Terminal



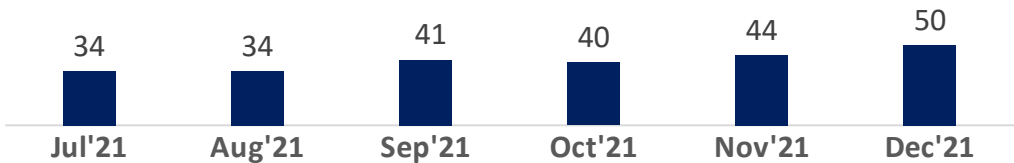
### Gujarat - Terminal



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

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

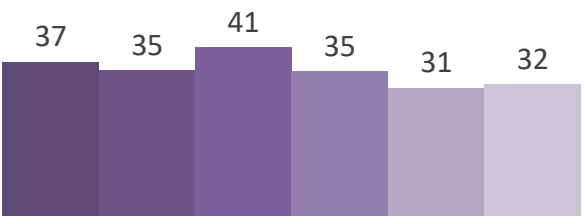
### Southern Corridor



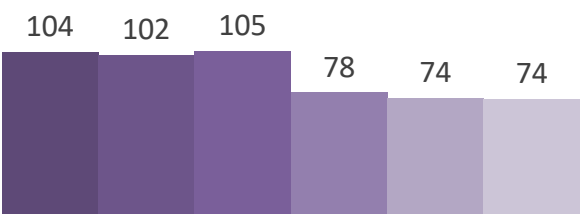
### Port - Wise



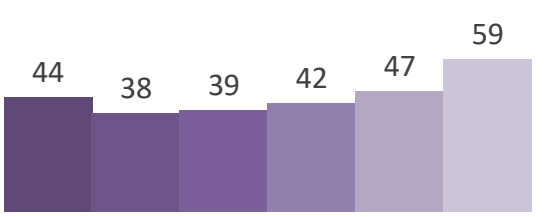
#### Kochi



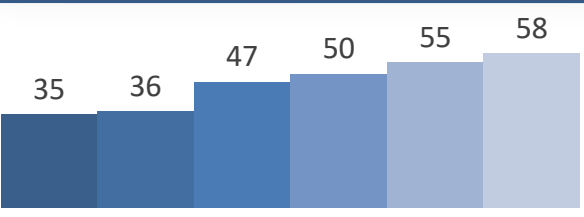
#### New Mangalore



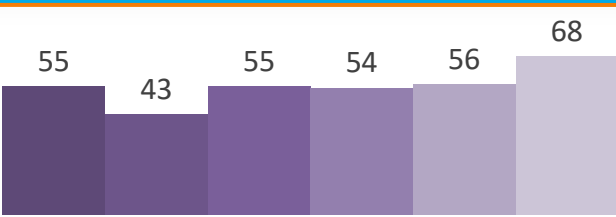
#### Ennore



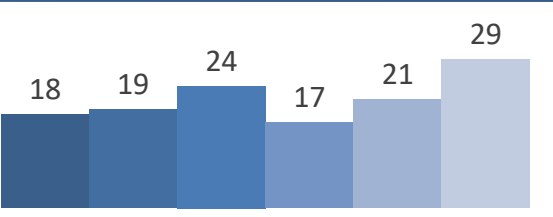
#### Chennai



#### Kattupalli



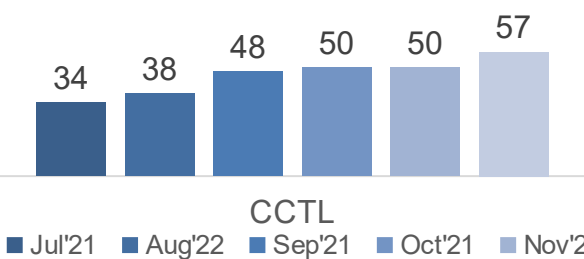
#### Tuticorin



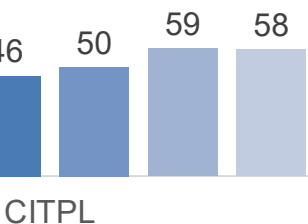
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### Chennai - Terminal

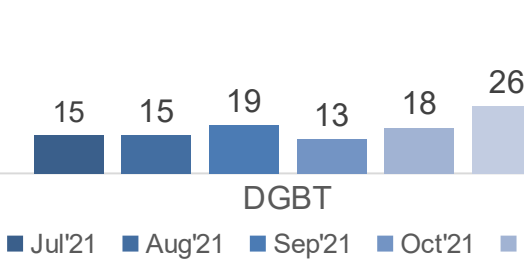


CCTL

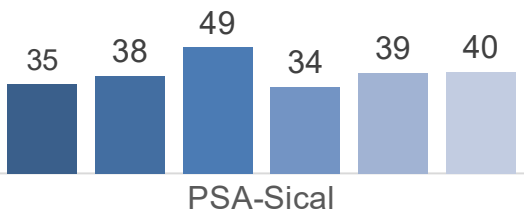


CITPL

### Tuticorin - Terminal



DGBT

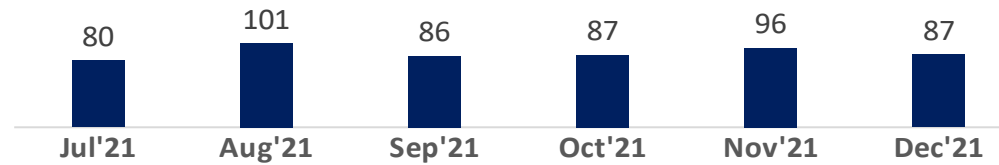


PSA-Sical

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

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

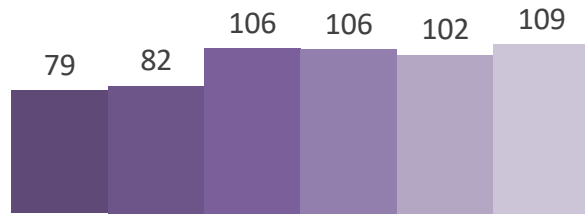
### Southern Corridor



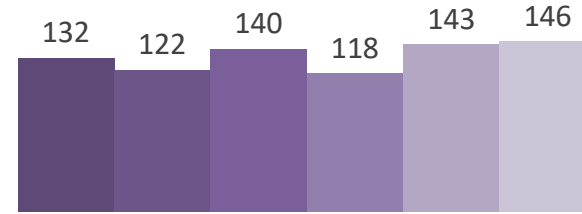
### Port - Wise



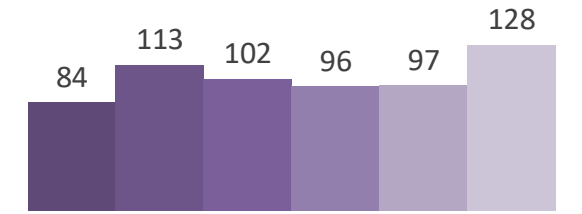
#### Kochi



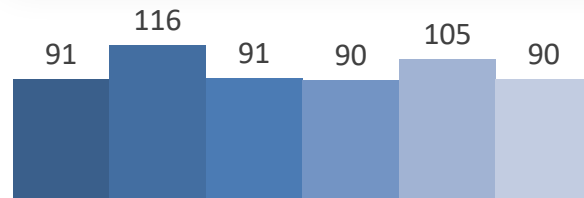
#### New Mangalore



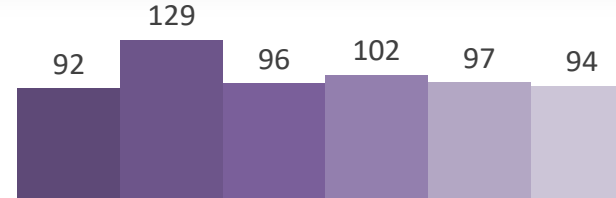
#### Ennore



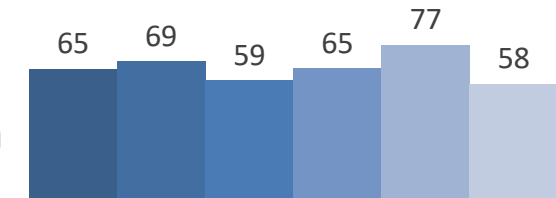
#### Chennai



#### Kattupalli



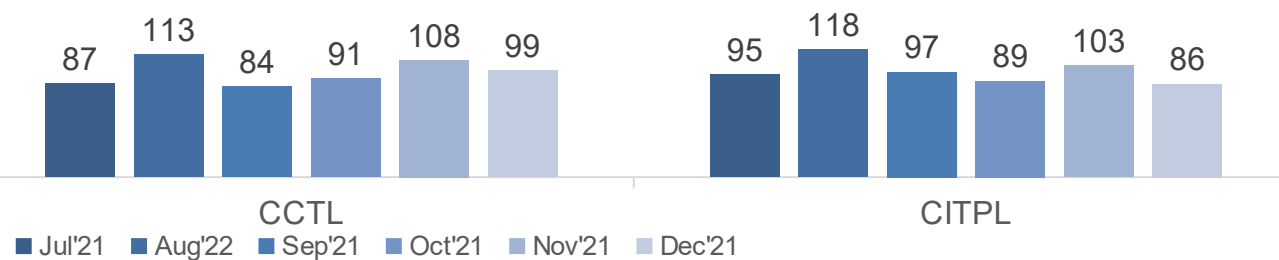
#### Tuticorin



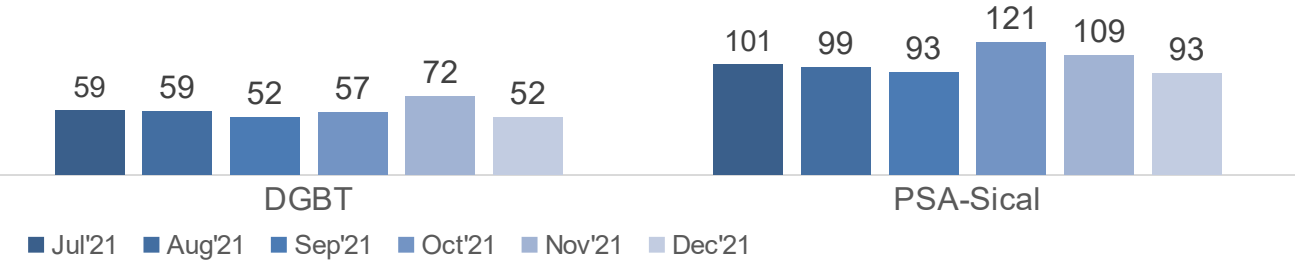
■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

■ Jul'21 ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21

#### Chennai - Terminal



#### Tuticorin - Terminal

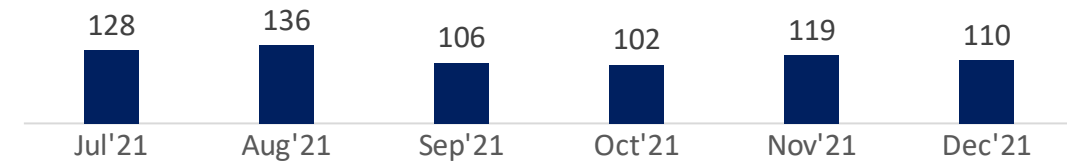
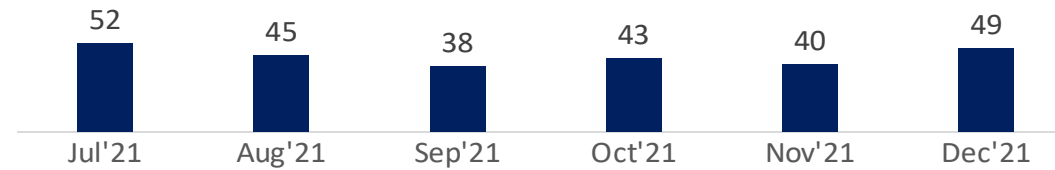


# Port Dwell Time Performance – Eastern Corridor

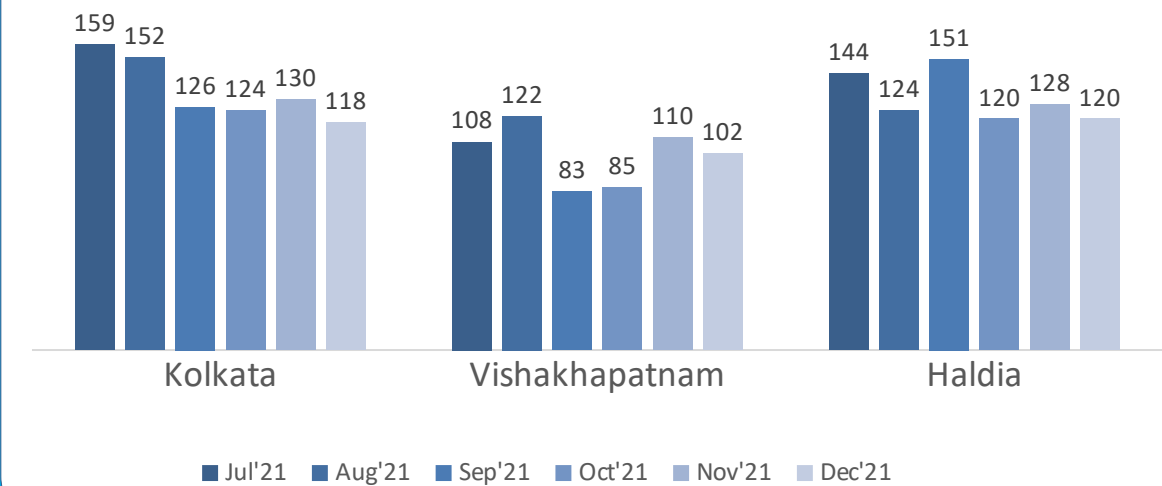
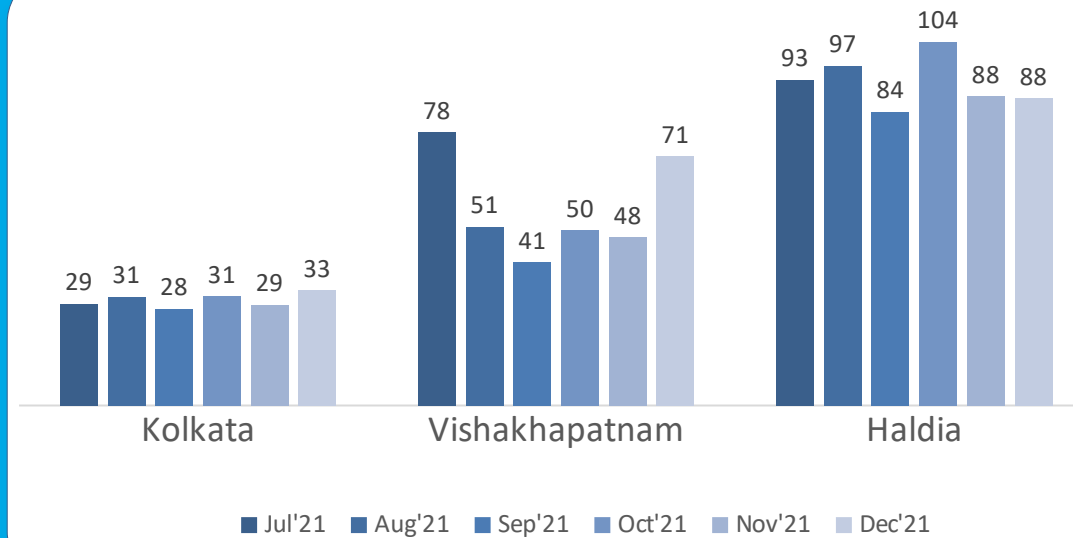
## Import Cycle (in hrs)

## Export Cycle (in hrs)

### Eastern Corridor



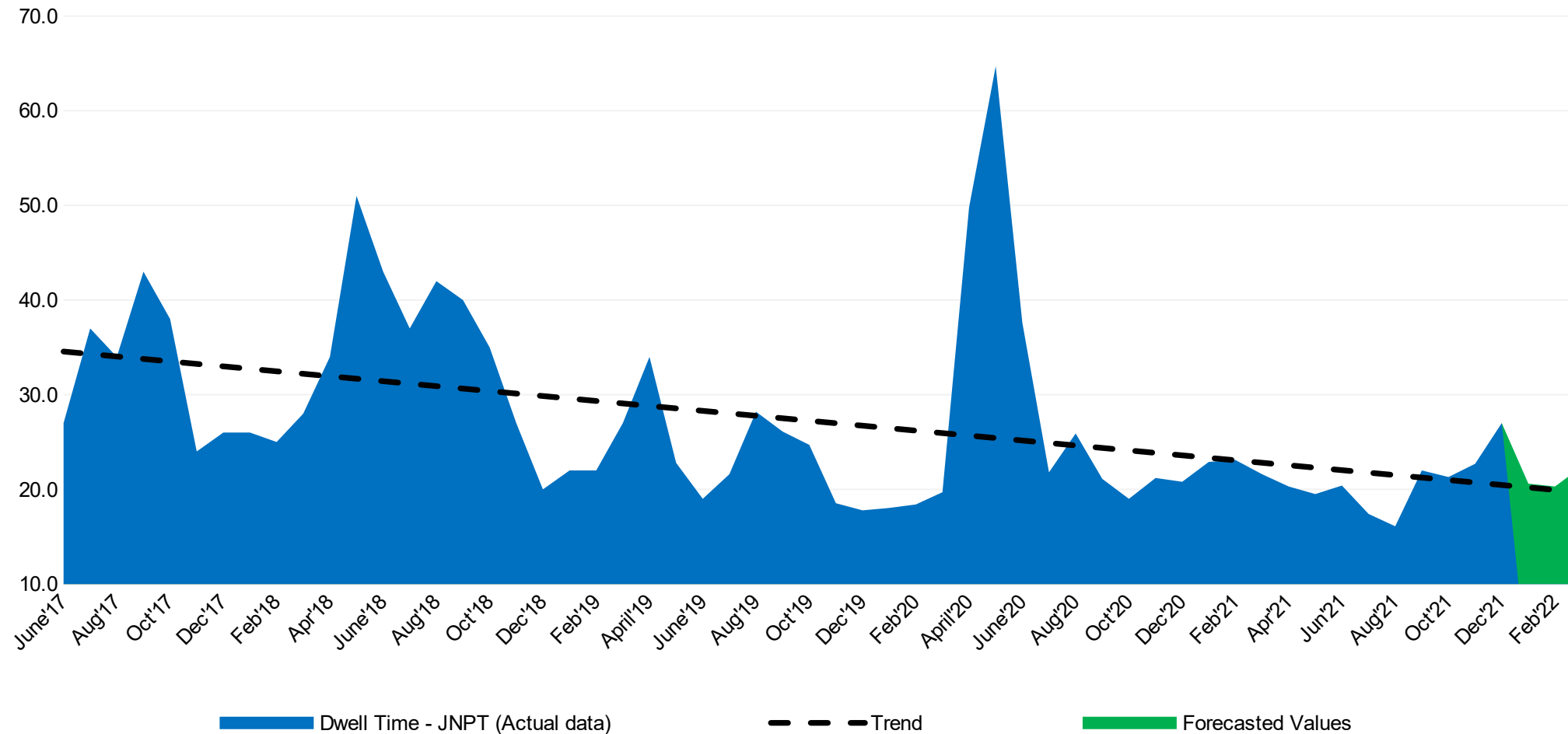
### Port - Wise





# 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 maxima in Dec'21 and strictly decrease from there on to reach a minima in the month of Feb'22.



Predicted  
Dwell Time (in hrs)

Jan'22

20.6

Feb'22

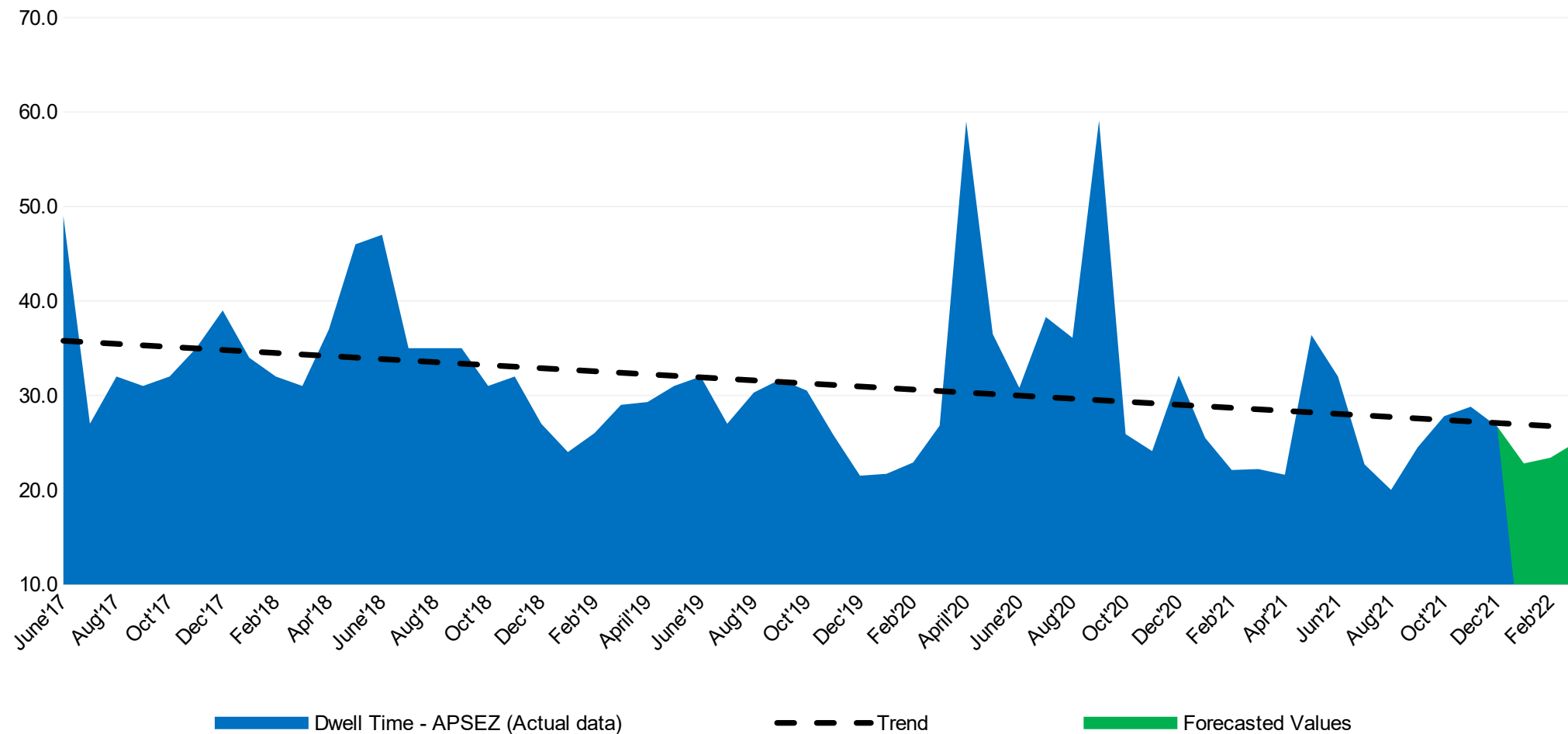
20.3

Mar'22

22.4

# 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 Jan'22 and increase from there on to reach a maxima in the month of Mar'22.



Predicted  
Dwell Time (in hrs)

Jan'22

22.8

Feb'22

23.4





Mar'22

25.1

# Critical Incident Summary




## Western Corridor

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

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Dec'21	28.2 hrs 	91.2 hrs 	86.4 hrs 	119.9 hrs 
Nov'21	26.0 hrs	93.9 hrs	89.0 hrs	118.8 hrs




## Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has deteriorated by 14% & in Export Cycle has improved by 8%.
- The container handling performance at CFS has improved by 0.5%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Dec'21	50.3 hrs 	87.4 hrs 	106.1 hrs 
Nov'21	44.0 hrs	95.5 hrs	106.6 hrs

## Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 23% and Export Cycle has improved by 8%.
- The container handling performance at CFS has deteriorated by 2%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Dec'21	48.9 hrs 	109.9 hrs 	124.0 hrs 
Nov'21	39.7 hrs	119.3 hrs	121.2 hrs



# COVID – 19 Impact

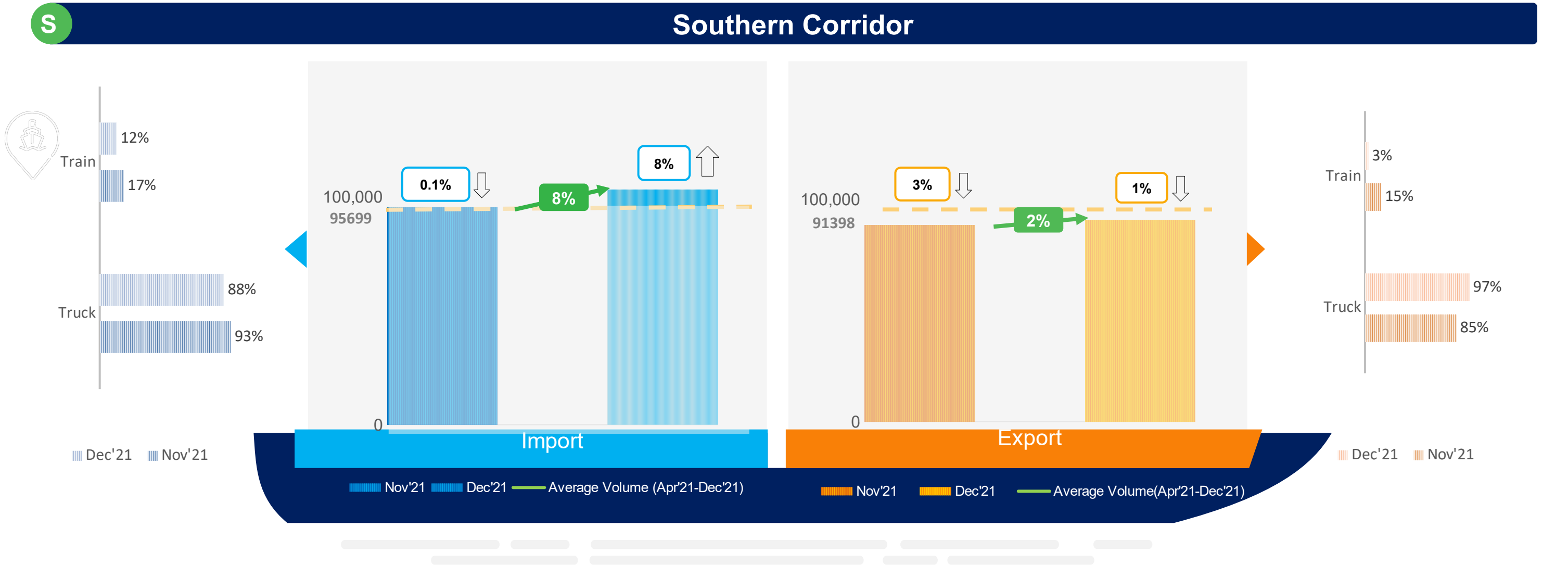




**W** **Western Corridor**

# Covid-19 Impact – Southern Corridor

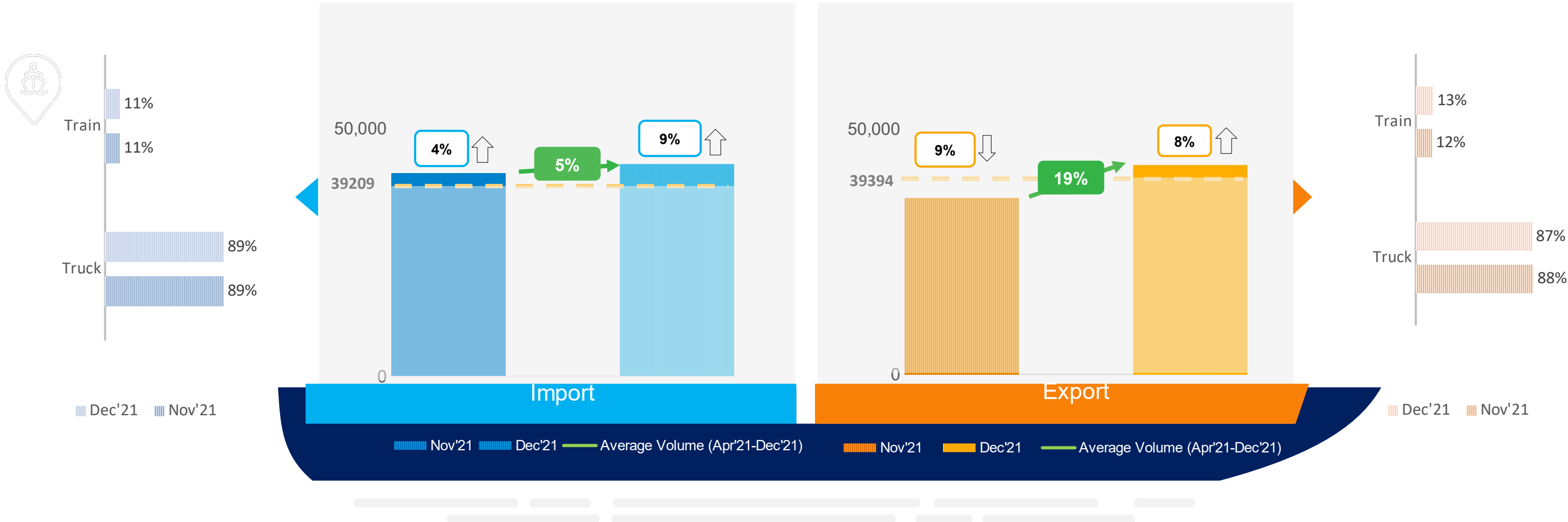
Below graphs depicts the change in volume percentage during the month of Dec'21 w.r.t the last month i.e., Nov'21 and the average EXIM corridor wise volume.



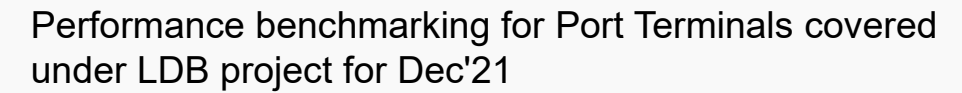
# Covid-19 Impact – Eastern Corridor

Below graphs depicts the change in volume percentage during the month of Dec'21 w.r.t the last month i.e., Nov'21 and the average EXIM corridor wise volume.



## E Eastern Corridor



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



Note: The performance benchmarking is based on performance index

  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'21

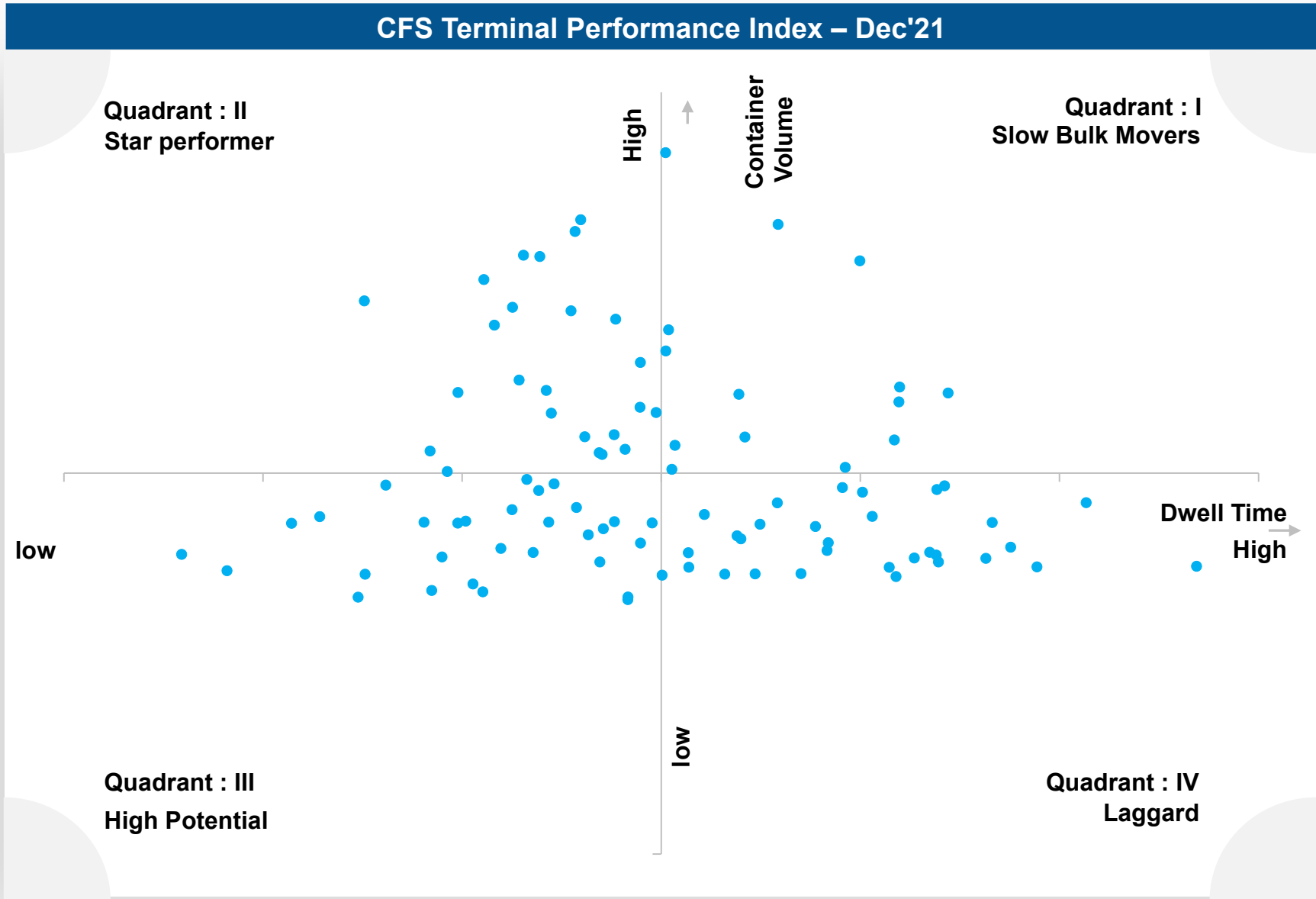
© NICDC Logistics Data Services Limited



# Pan India - CFS Performance Benchmarking & Performance Index



## Performance Benchmarking - CFSs

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



Performance benchmarking for CFSs covered under LDB project for Dec'21

Top Three Performing CFSs		
CFS Name	Nov'21	Dec'21
All Cargo Logistics	82.8 hrs	87.8 hrs
Saurashtra CFS, Mundra	85.7 hrs	87.1 hrs
Adani CFS Eximyard, Mundra	69.1 hrs	62.3 hrs
Bottom Three Performing CFSs		
CFS Name	Nov'21	Dec'21
Kerry Index Logistics Private Limited / Continental Container Freight Station	166.3 hrs	160.1 hrs
ALS Tuticorin Terminal Private Limited	138.7 hrs	147.1 hrs
VCT CFS	135.5 hrs	141.3 hrs



 The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'21

Performance Index - Summary	
In order to assess the relative performance of various entitled 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
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# Container Transportation Performance - Western Corridor

## Port Dwell Time

IMPORT		Nov'21 (in hrs)	Dec'21 (in hrs)	
	<b>Train</b>	75.9	68.2	↑
	<b>Truck</b>	20.2	22.6	↓
	<b>Overall</b>	26.0	28.2	↓

EXPORT		Nov'21 (in hrs)	Dec'21 (in hrs)	
	<b>Train</b>	125.1	130.0	↓
	<b>Truck</b>	88.1	85.3	↑
	<b>Overall</b>	93.9	91.2	↑

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

ENTITY		Nov'21 (in hrs)	Dec'21 (in hrs)	
	<b>Inland Container Depot (ICD)</b>	118.8	119.9	↓
	<b>Container Freight Stations (CFS)</b>	89.0	86.4	↑



The marked entries showcase increase in performance in comparison to Nov'21

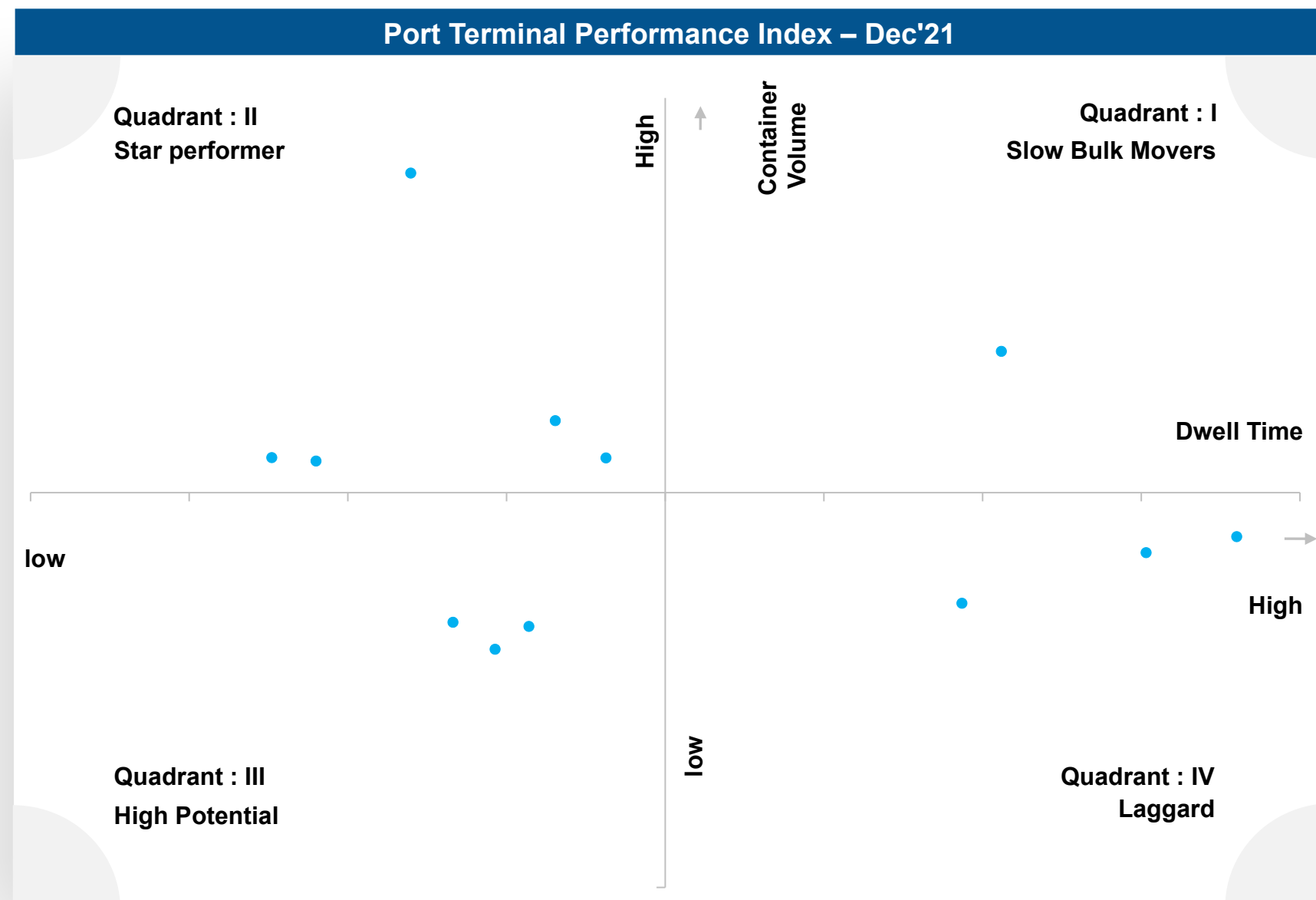


The marked entries showcase decrease in performance in comparison to Nov'21

# 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 Dec'21

Top Performing Terminal	
Gateway Terminals India (GTI)	
Nov'21	Dec'21
44.2 Hrs	48.1 Hrs.
Low Performing Terminal	
Adani Mundra Container Terminal (AMCT)	
Nov'21	Dec'21
85.8 Hrs	98.1 Hrs.

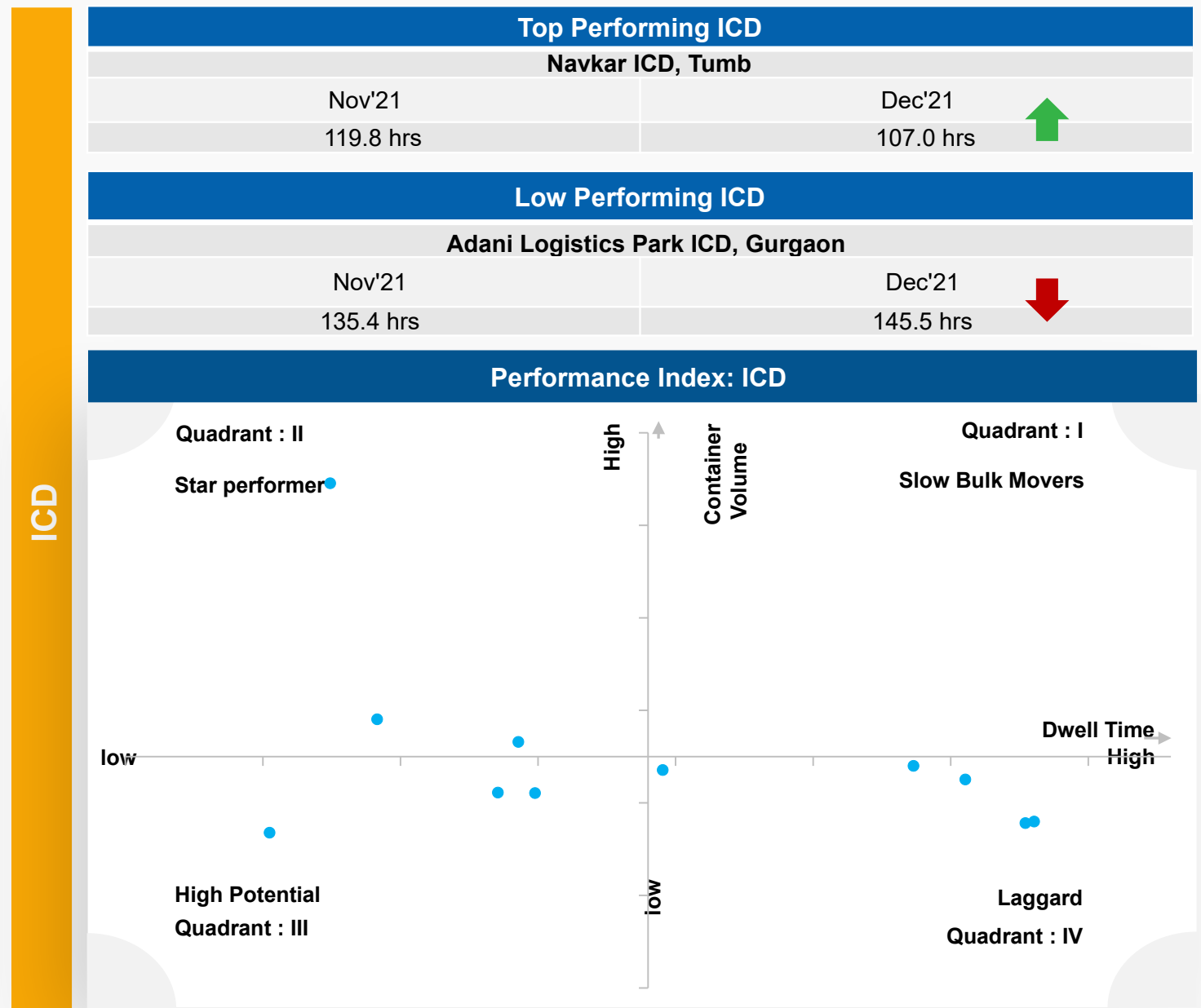
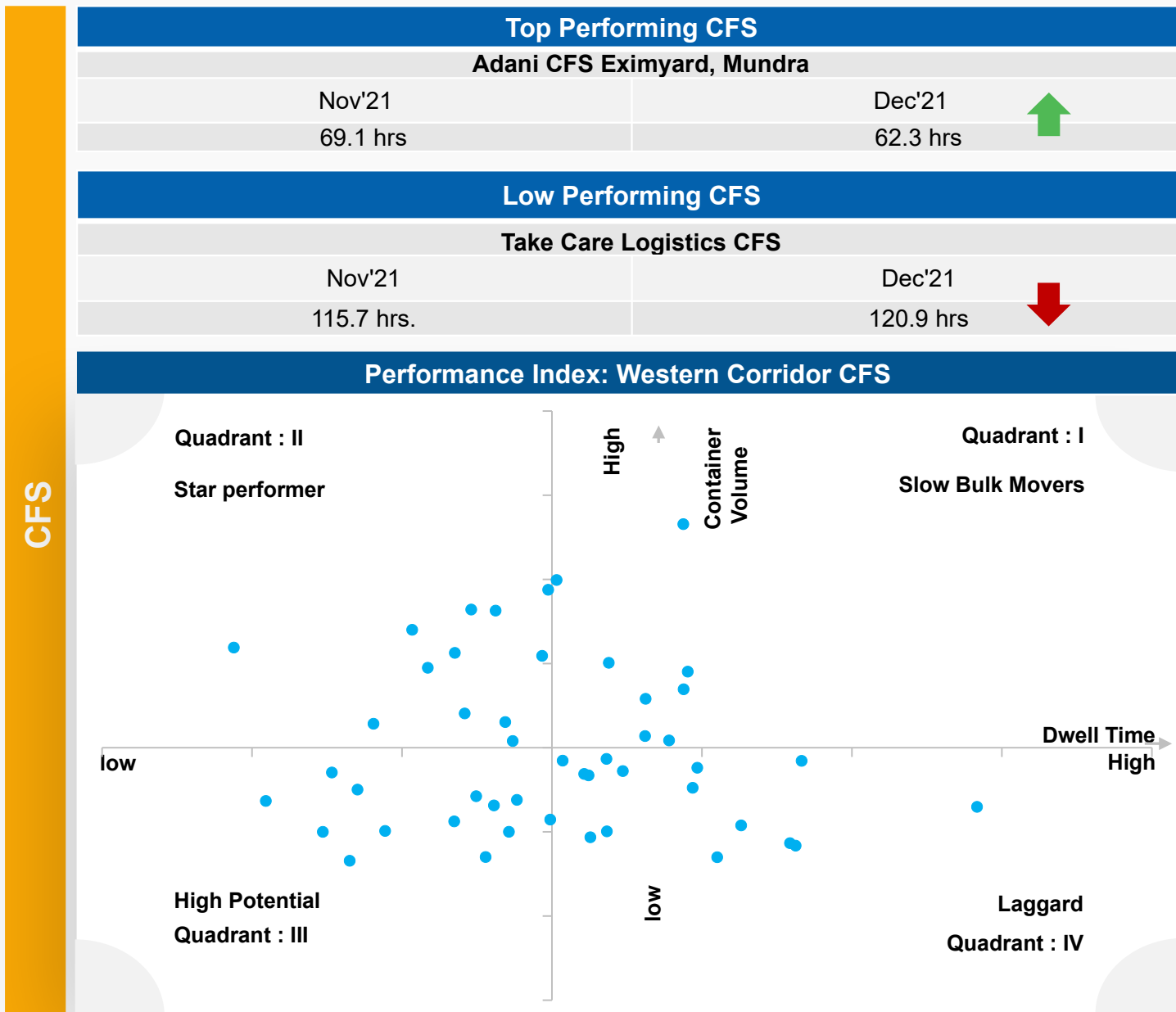
Note: The performance benchmarking is based on performance index

↑↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'21

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# CFS/ICD Performance Benchmarking & Performance Index - Western Corridor

## Performance Benchmarking



Note: The performance benchmarking is based on performance index

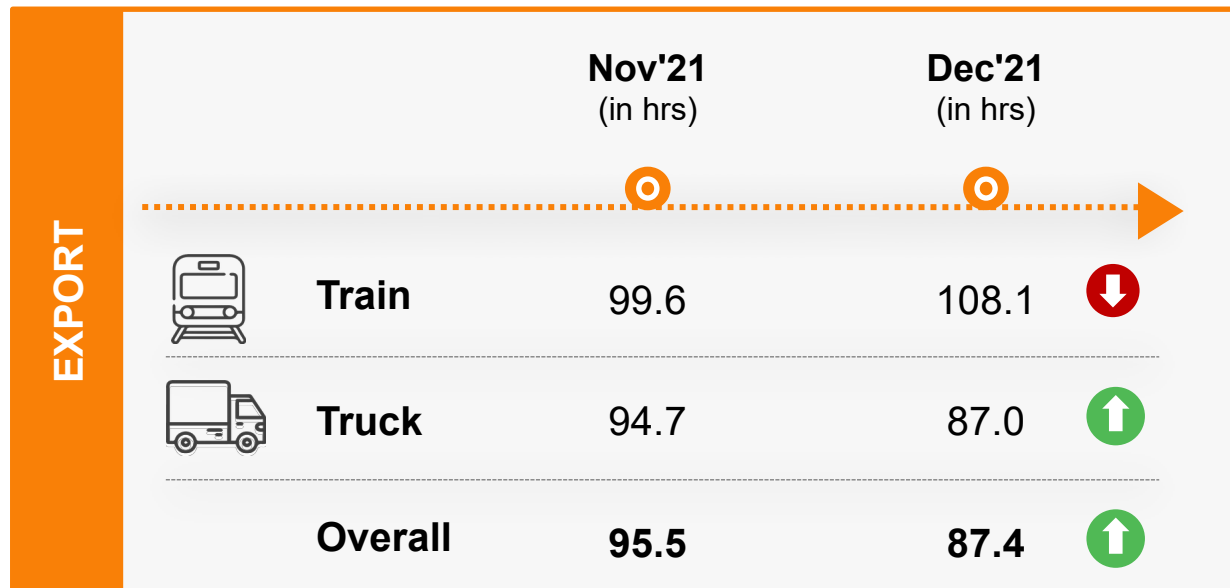
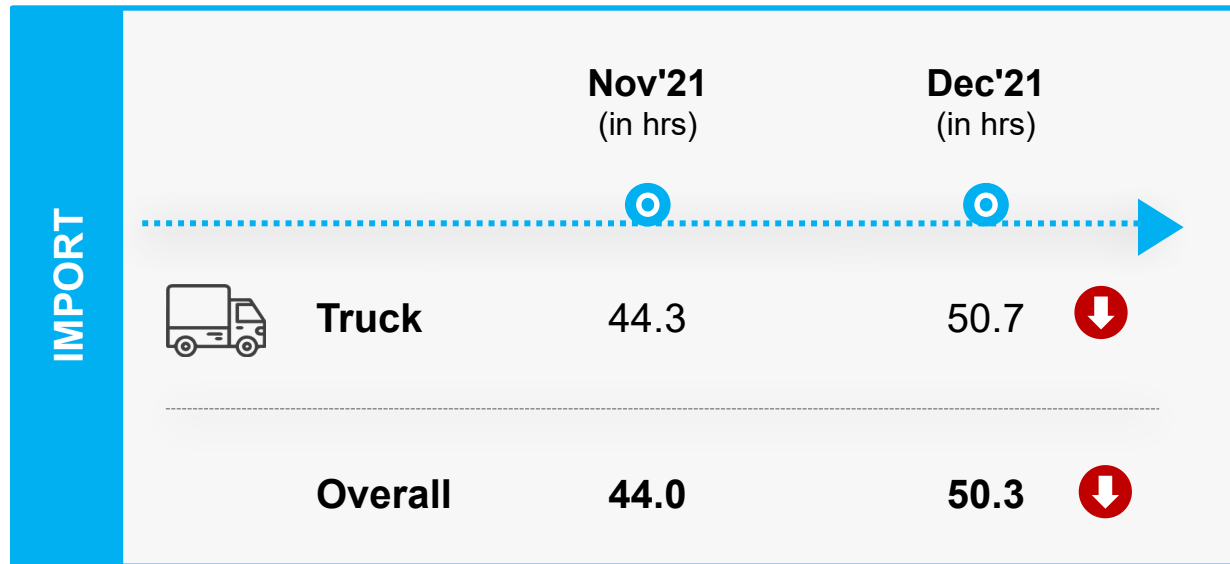
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Kindly refer to Annexure section for the names of CFS

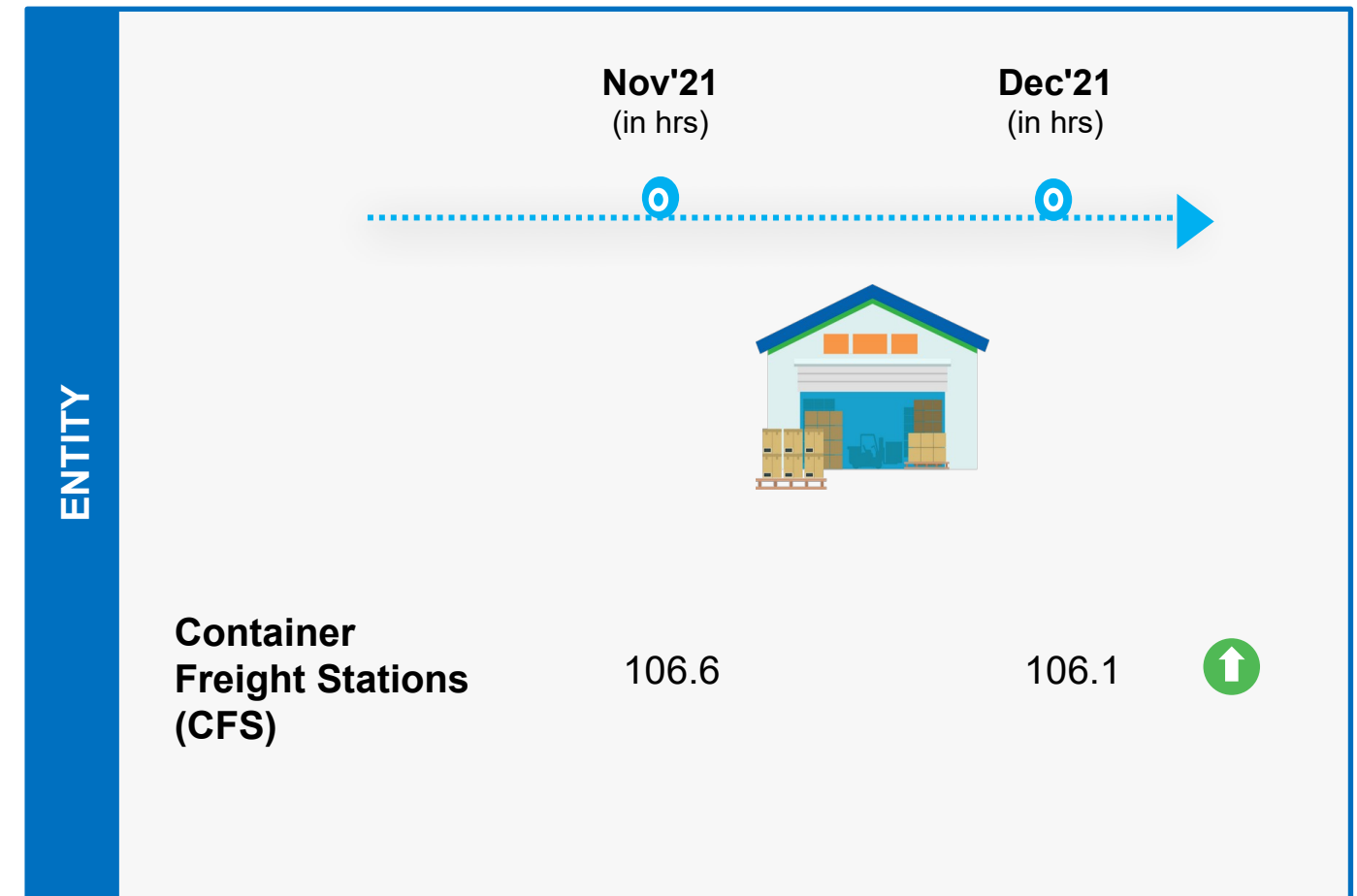


# Container Transportation Performance - Southern Corridor

## Port Dwell Time



## Container Freight Stations(CFS)– Dwell Time



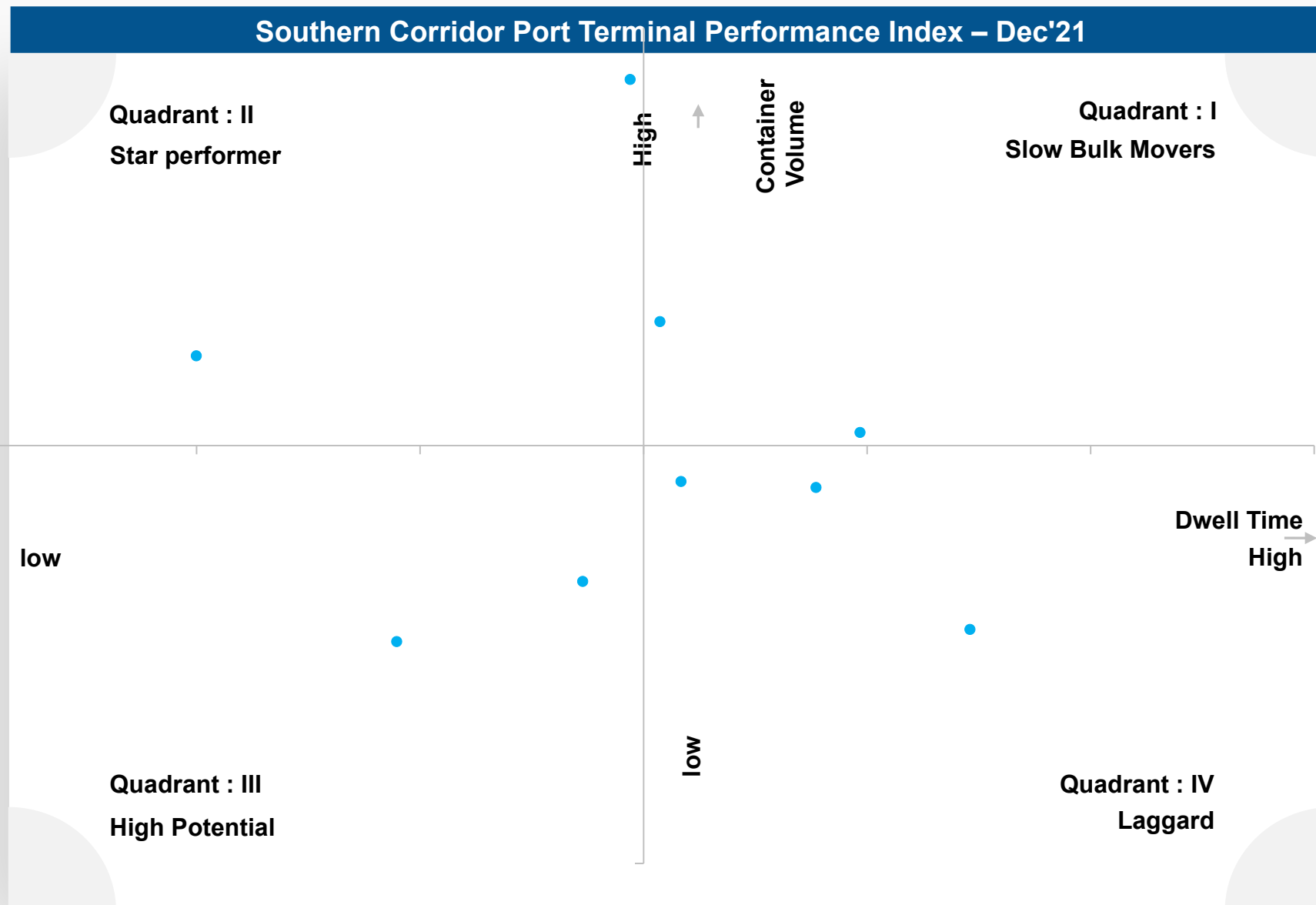
↑ The marked entries showcase increase in performance in comparison to Nov'21

↓ The marked entries showcase decrease in performance in comparison to Nov'21

# 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 CFSs covered under LDB project for Dec'21

Top Performing Terminal		
Chennai International Terminal Pvt. Ltd. (CITPL)		
Nov'21	Dec'21	↑
76.0 hrs	69.8 hrs	
Low Performing Terminal		
New Mangalore Port Trust		
Nov'21	Dec'21	↑
96.3 hrs	93.2 hrs	

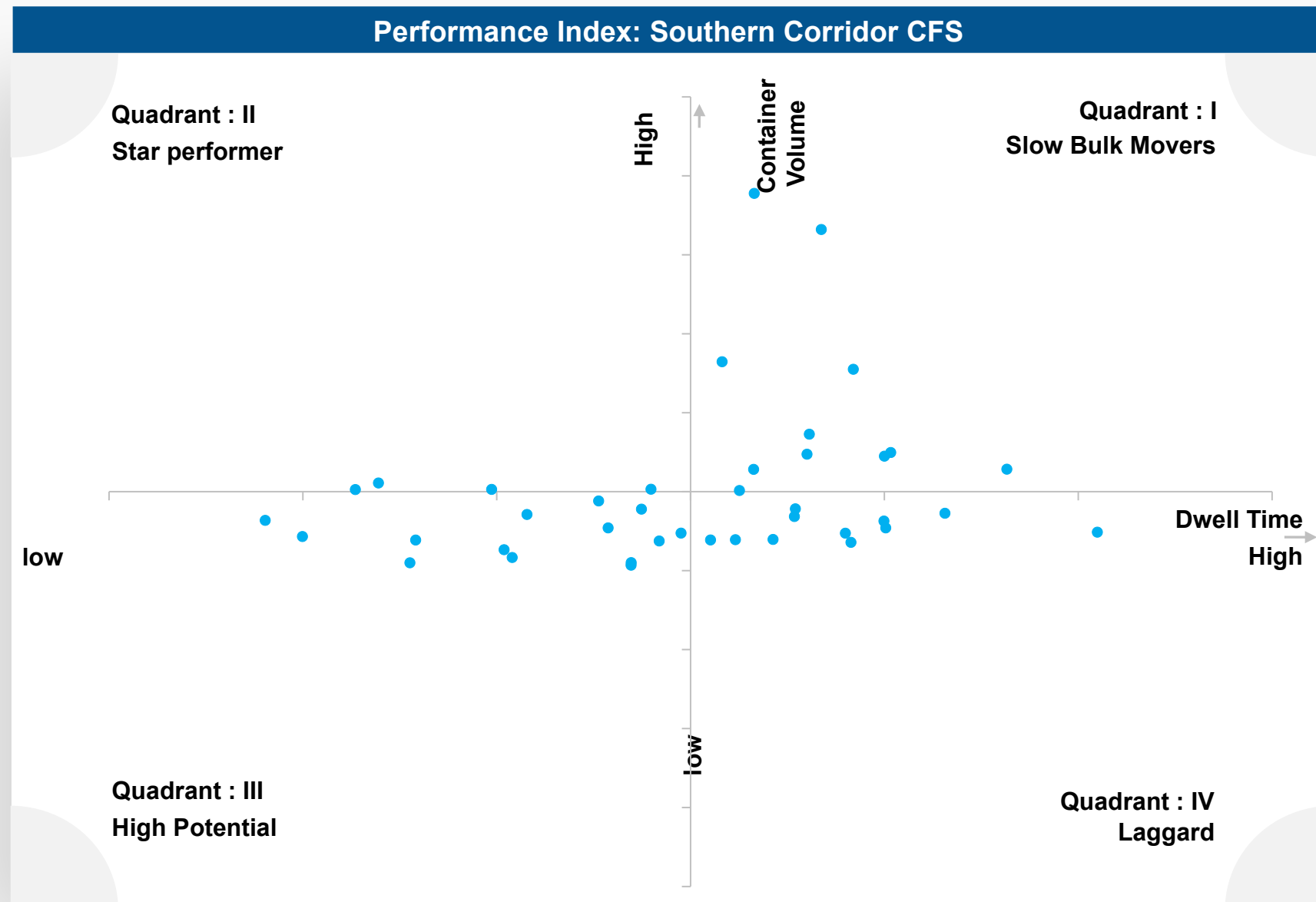
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# CFS Performance Benchmarking & Performance Index - Southern Corridor

## Performance Benchmarking - CFSs



Performance benchmarking for CFS covered under LDB project in Southern Corridor for Dec'21

Top Performing Terminal	
Raja Agencies CFS	
Nov'21	Dec'21
98.1 hrs	53.8 hrs
	↑
Low Performing Terminal	
Kerry Index Logistics Private Limited / Continental Container Freight Station	
Nov'21	Dec'21
166.3 hrs	160.1 hrs
	↑

Note: The performance benchmarking is based on performance index

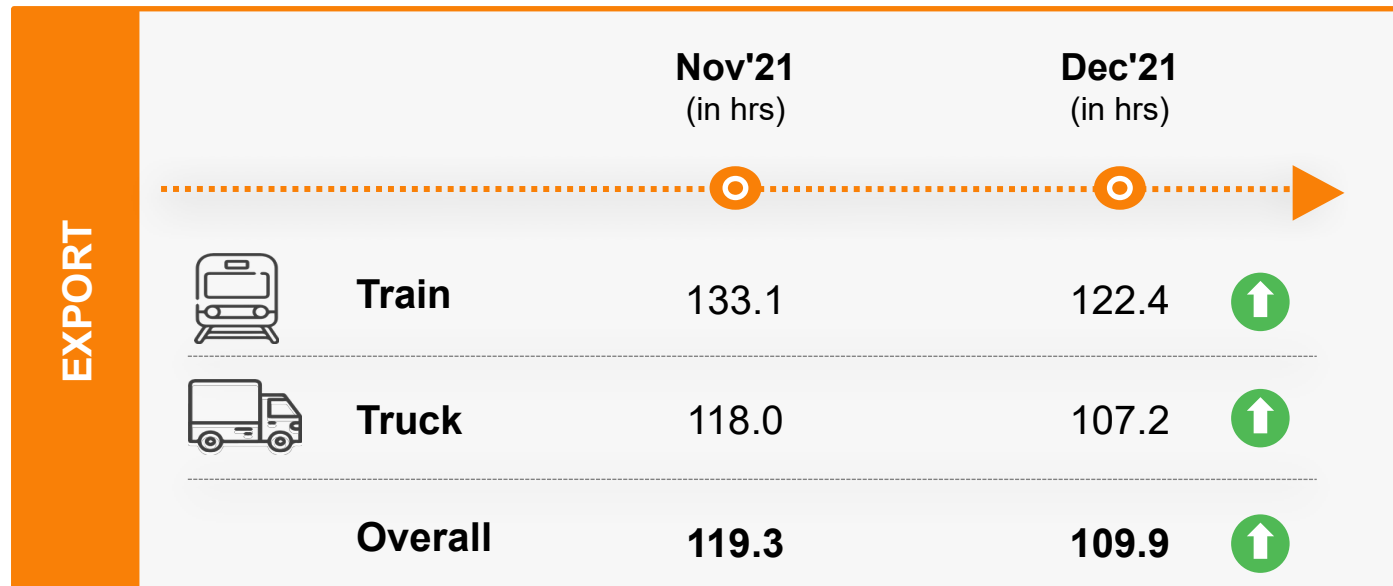
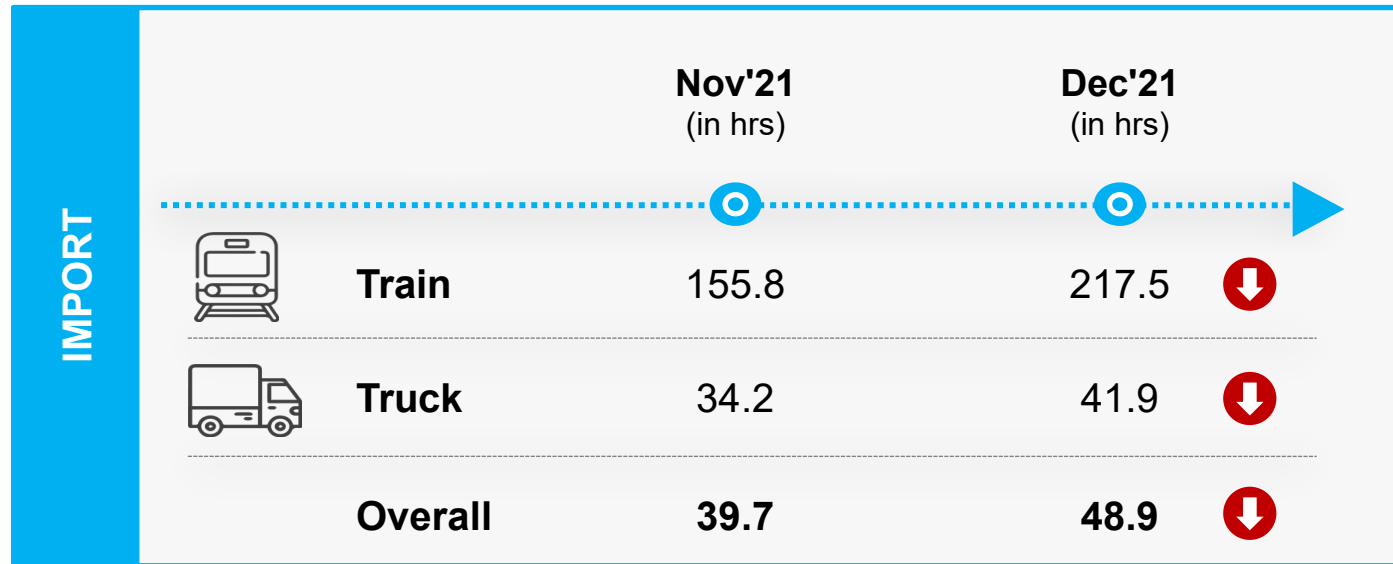
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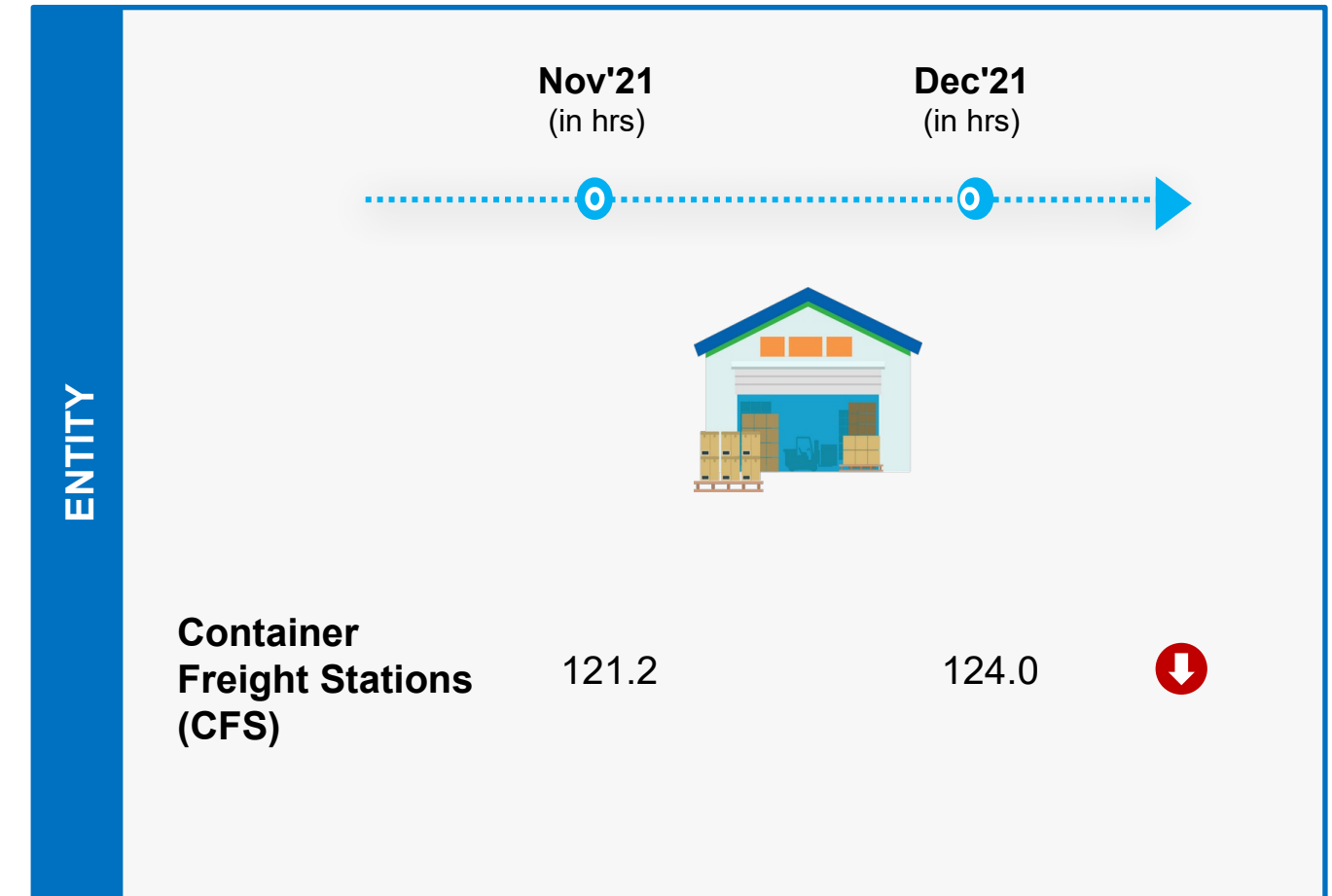
Kindly refer to Annexure section for the names of CFS

# Container Transportation Performance - Eastern Corridor

## Port Dwell Time



## Container Freight Stations(CFS)– Dwell Time

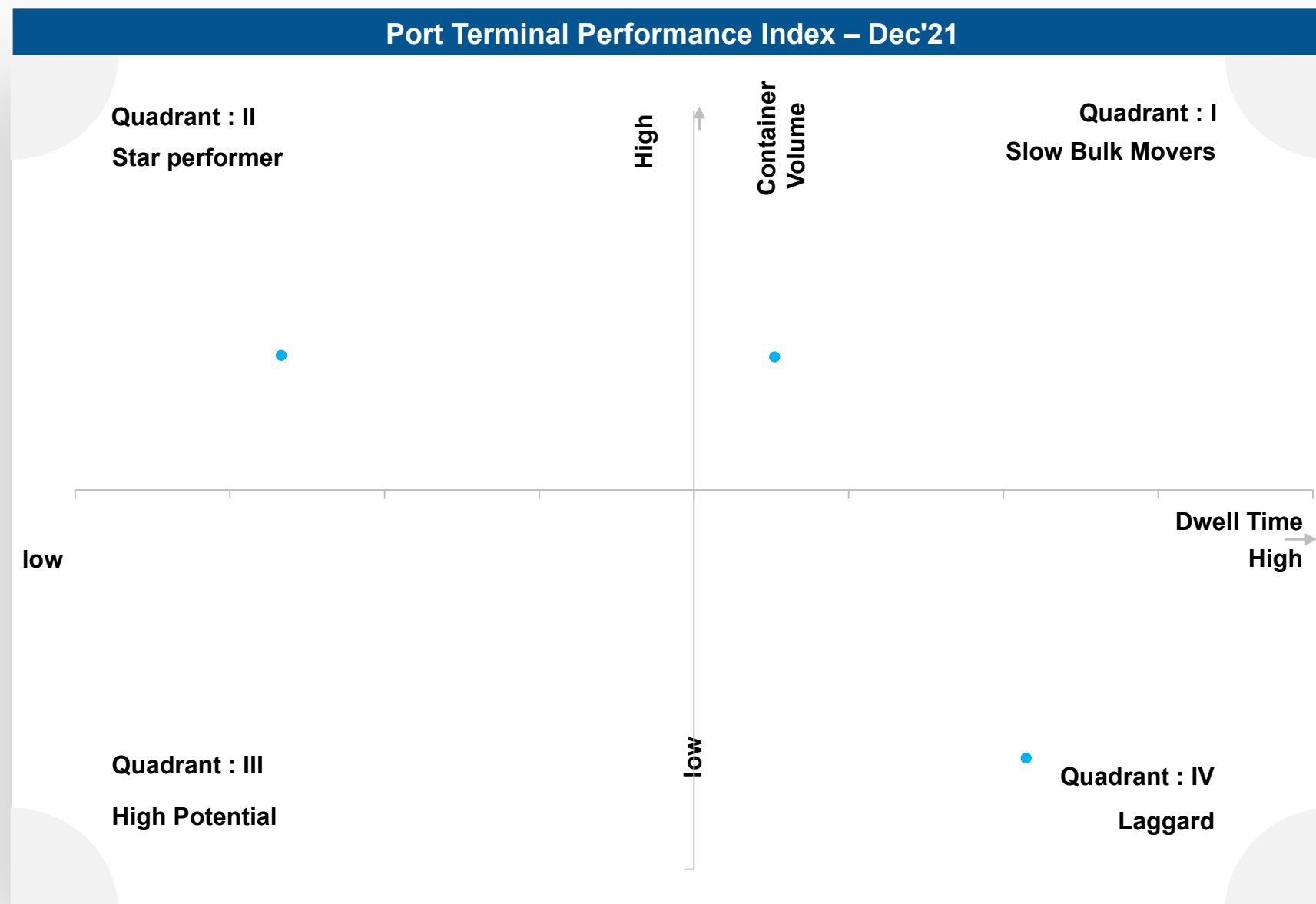


↑ The marked entries showcase increase in performance in comparison to Nov'21


↓ The marked entries showcase decrease in performance in comparison to Nov'21


## 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 Southern Corridor for Dec'21

Top Performing Terminal		
Kolkata Dock System (KDS)		
Nov'21	Dec'21	
61.1 hrs	88.2 hrs	

Low Performing Terminal		
Haldia International Container Terminal (HICT)		
Nov'21	Dec'21	
106.5 hrs	102.6 hrs	

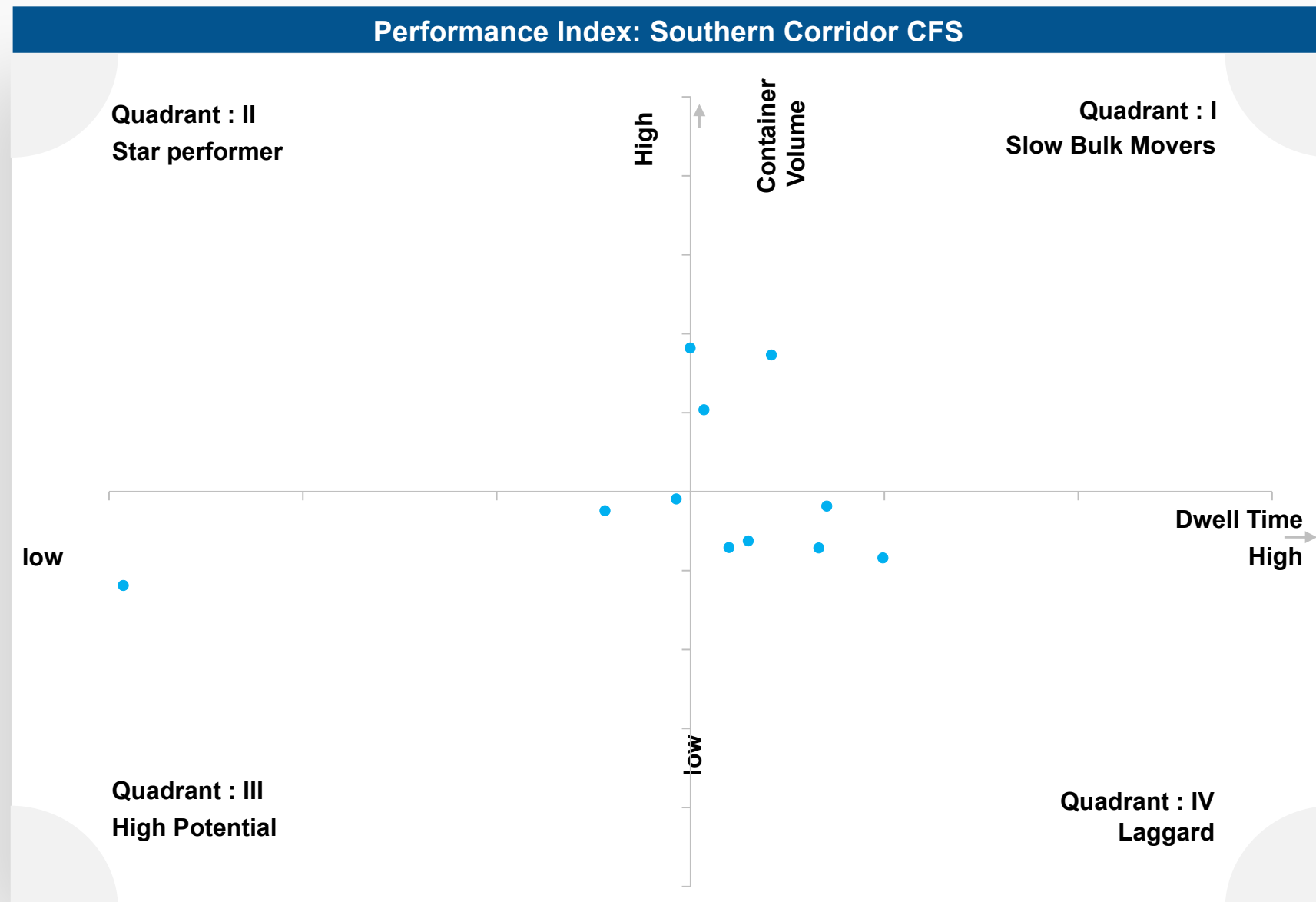
Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'21

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

# CFS Performance Benchmarking & Performance Index - Eastern Corridor

## Performance Benchmarking - CFSs



Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Dec'21

Top Performing Terminal	
Century Plyboards CFS, JJP	
Nov'21	Dec'21
132.1 hrs	122.2 hrs
↑	
Low Performing Terminal	
VCT CFS	
Nov'21	Dec'21
135.5 hrs	141.3 hrs
↓	

Note: The performance benchmarking is based on performance index

↑↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'21

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

Kindly refer to Annexure section for the names of CFS



# Annexure





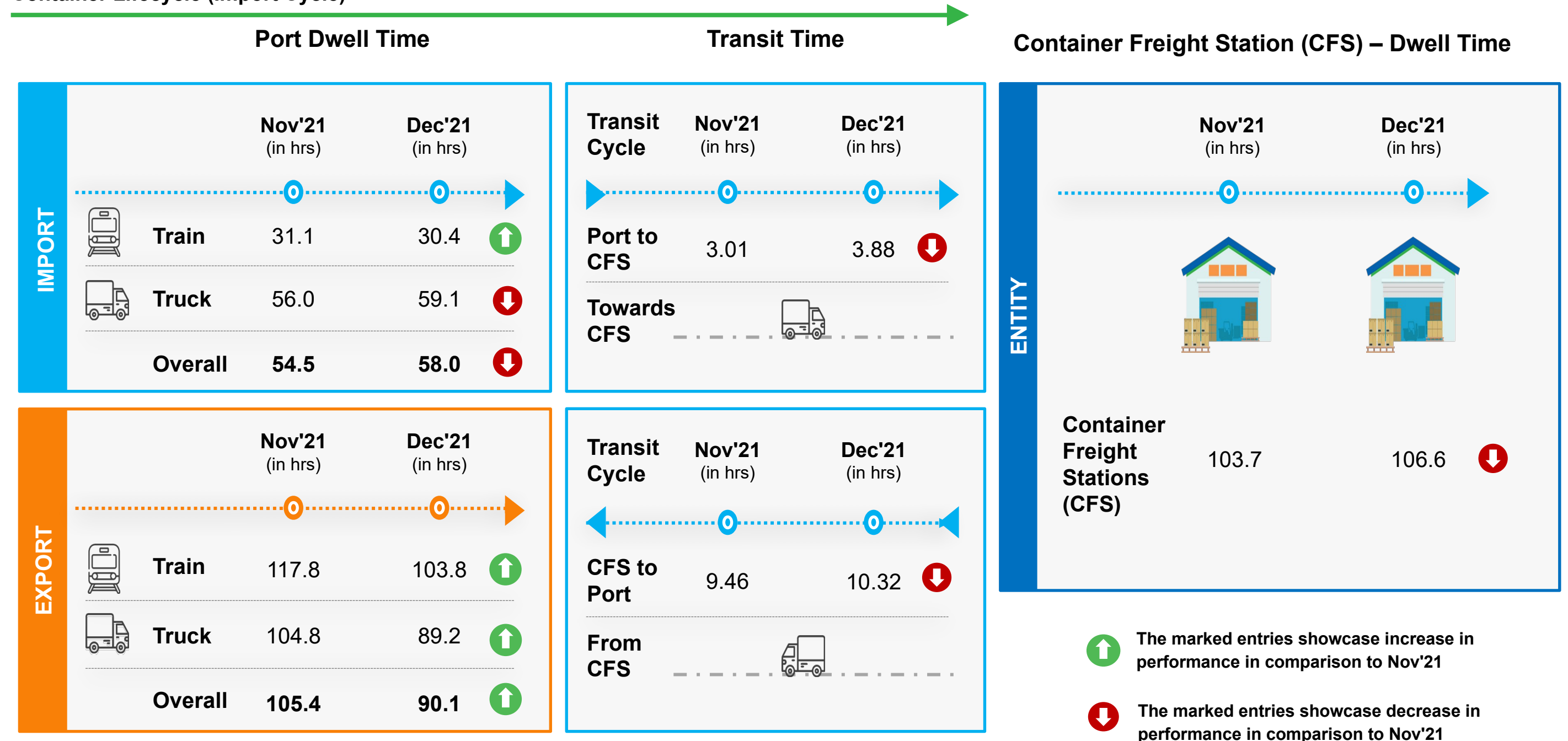


# Individual Terminal Performance In Southern Corridor



# Chennai Port Terminals: Container Transportation

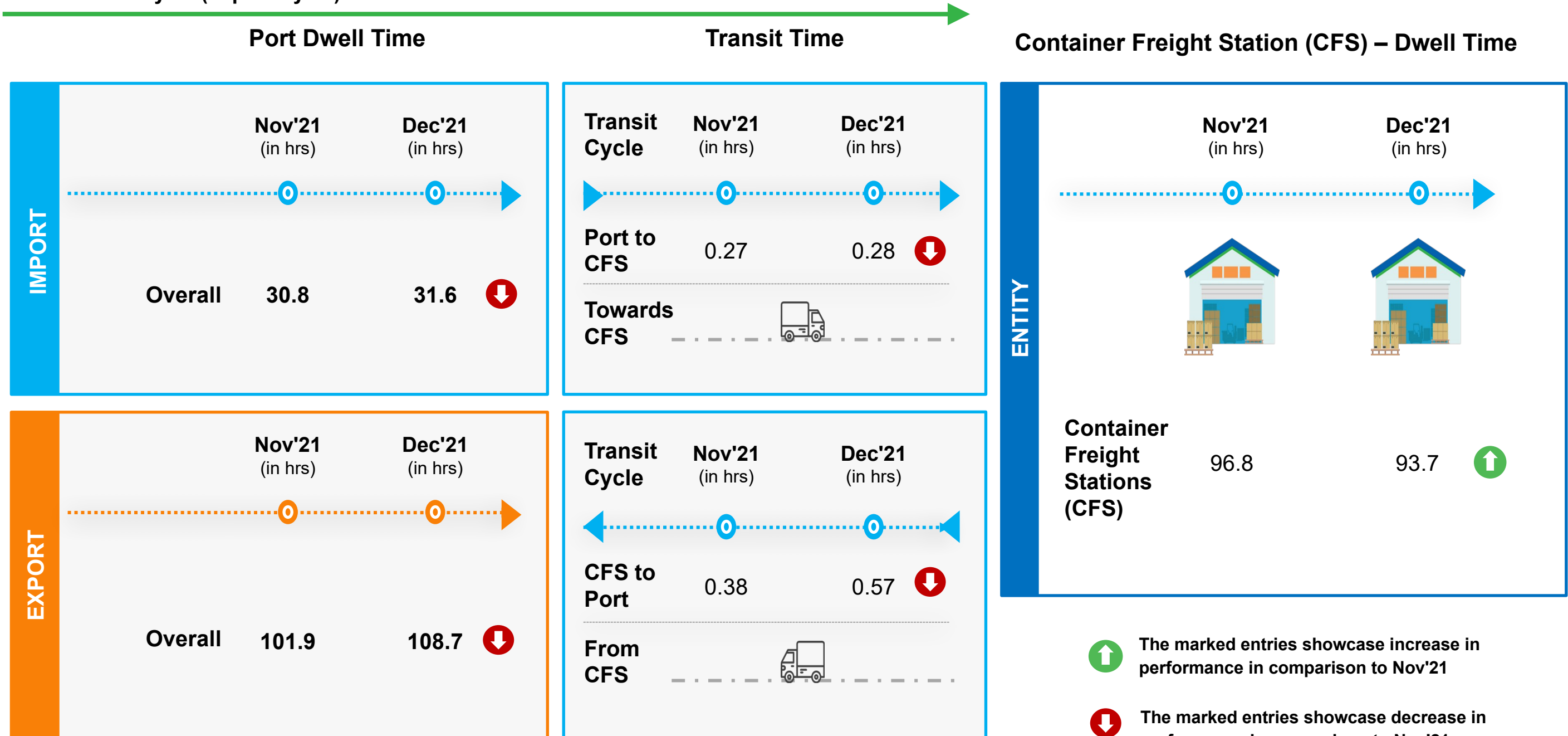
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Kochi Port Terminal: Container Transportation

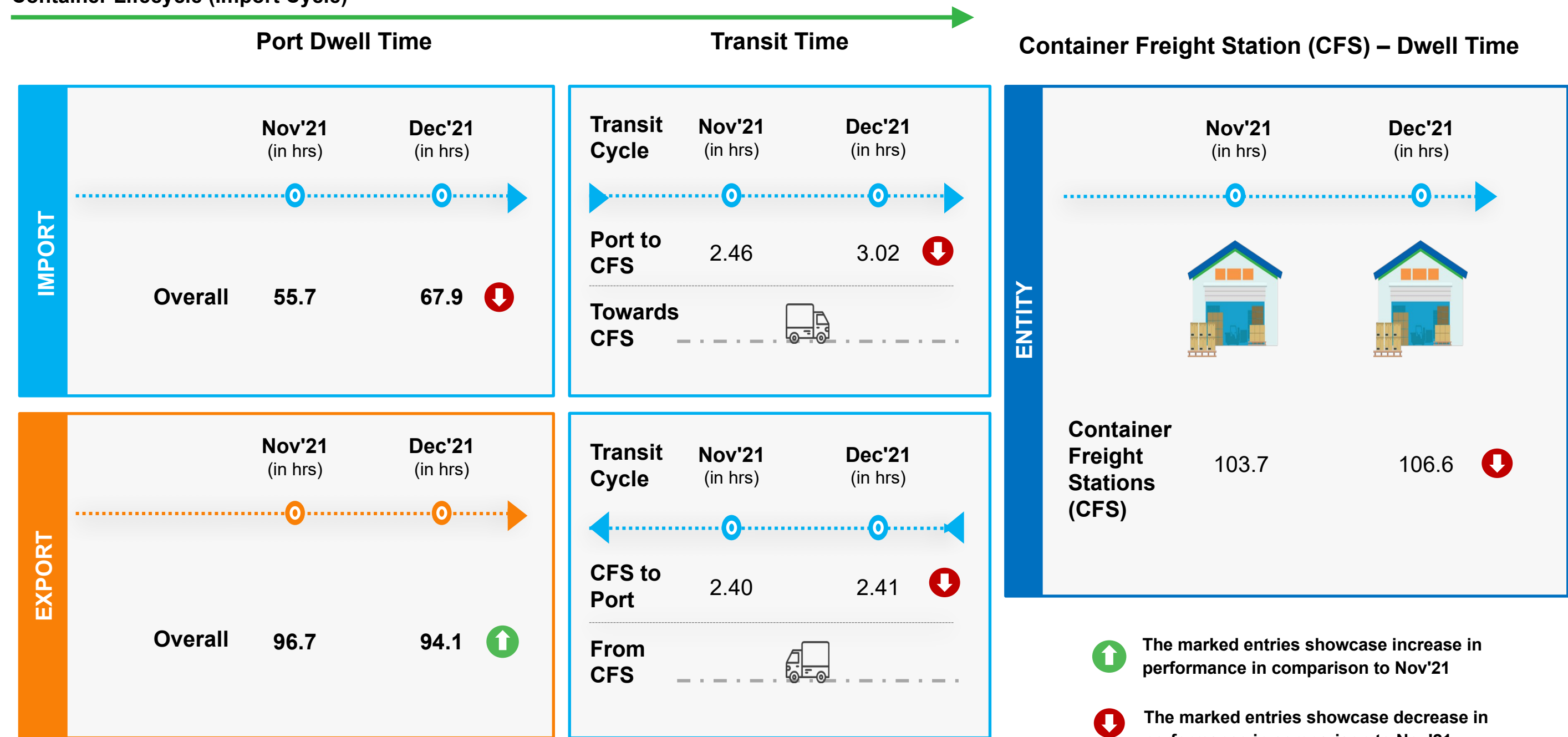
## Container Lifecycle (Import Cycle)





## Container Lifecycle (Export Cycle)

# Kattupalli Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

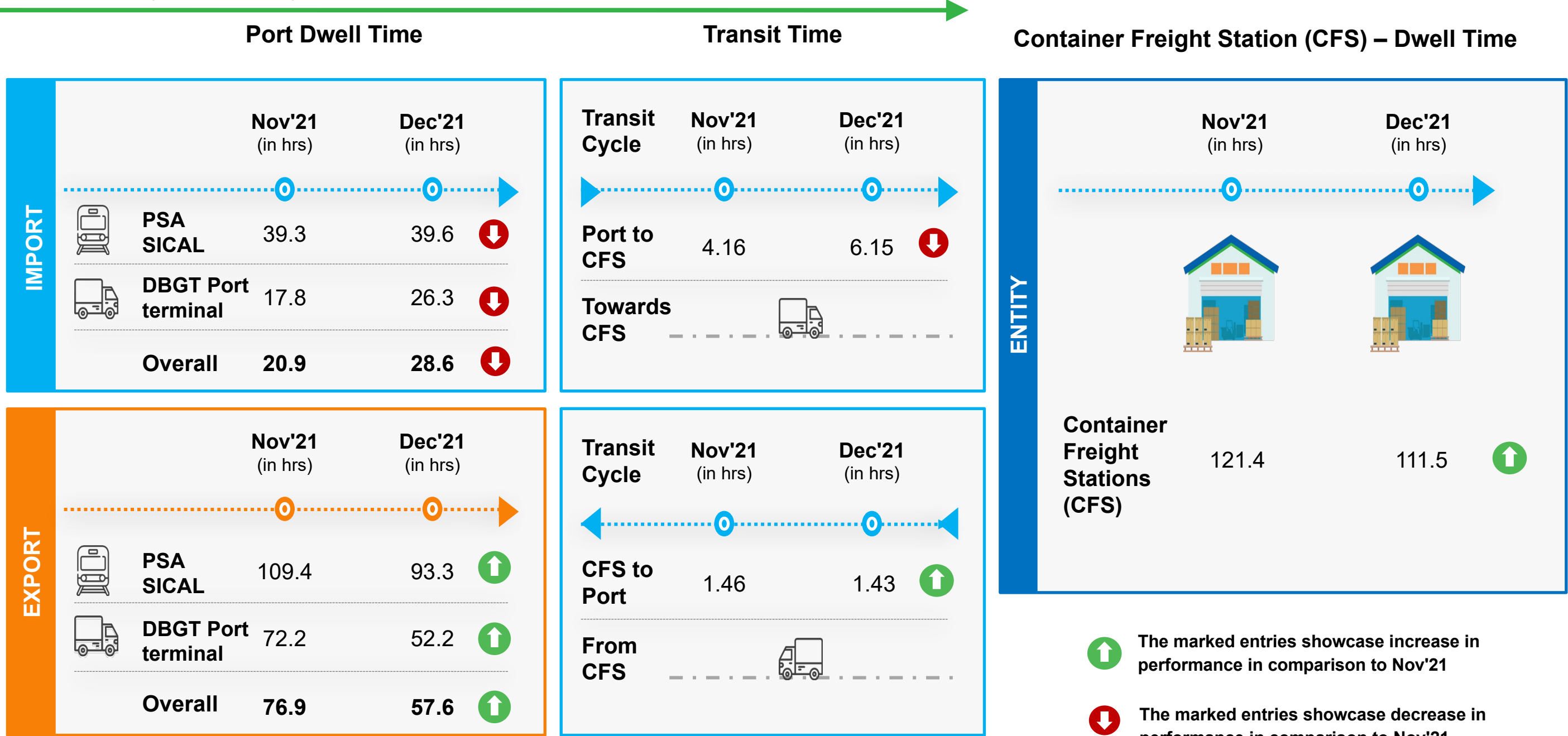


## Container Lifecycle (Export Cycle)

-  The marked entries showcase increase in performance in comparison to Nov'21
-  The marked entries showcase decrease in performance in comparison to Nov'21

# Tuticorin Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



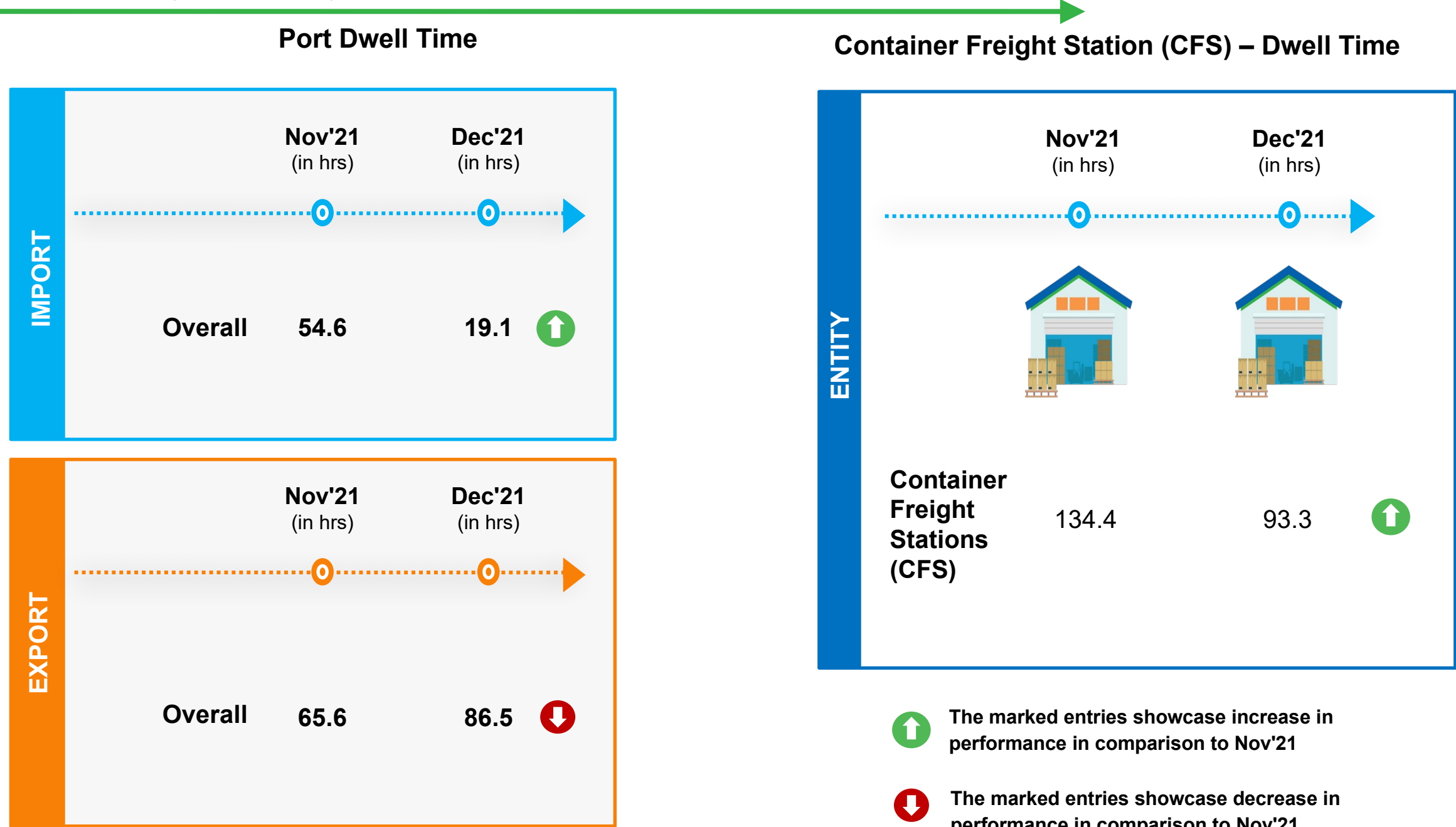
↑ The marked entries showcase increase in performance in comparison to Nov'21

↓ The marked entries showcase decrease in performance in comparison to Nov'21

## Container Lifecycle (Export Cycle)

# Krishnapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



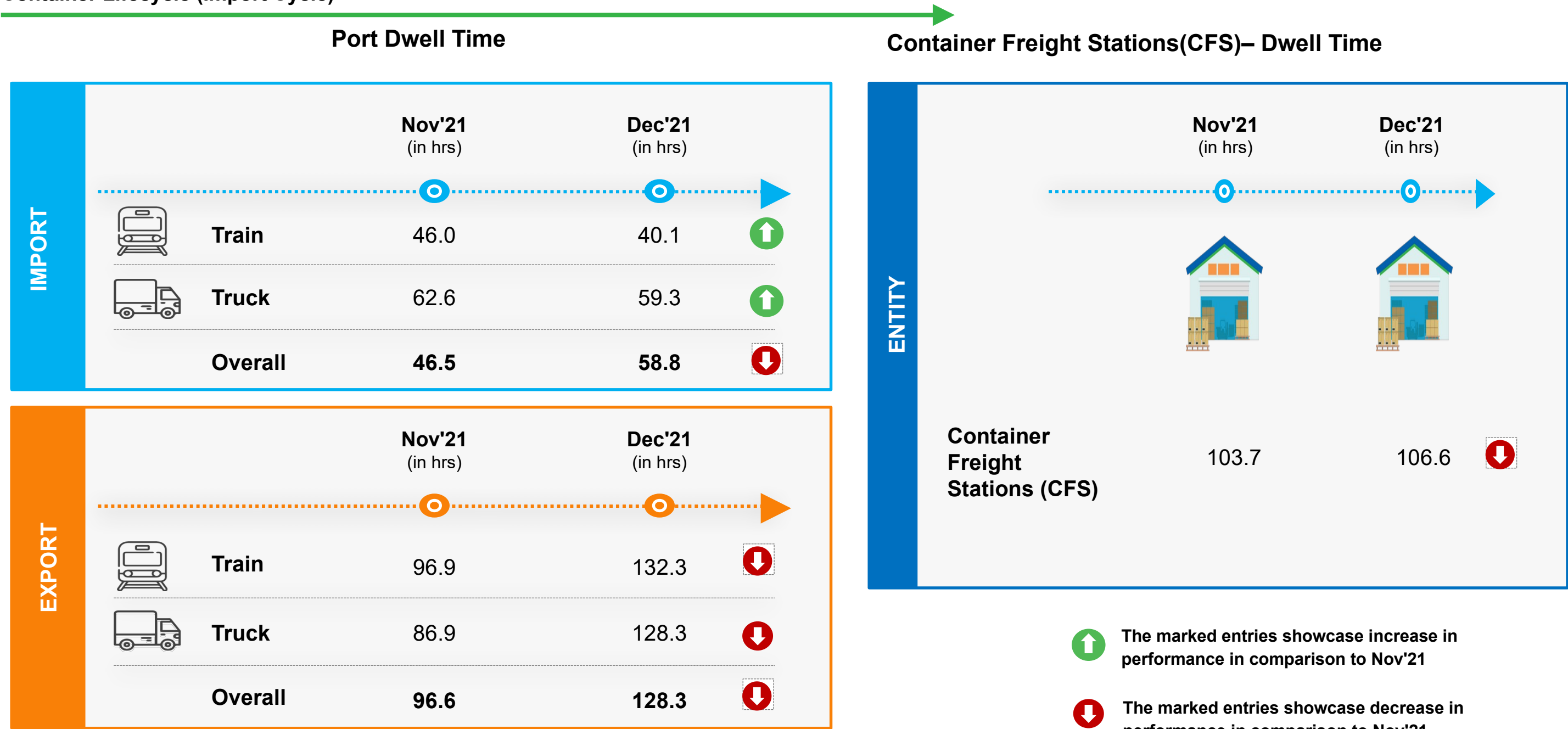
## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21



# Ennore Port Terminal: Container Transportation

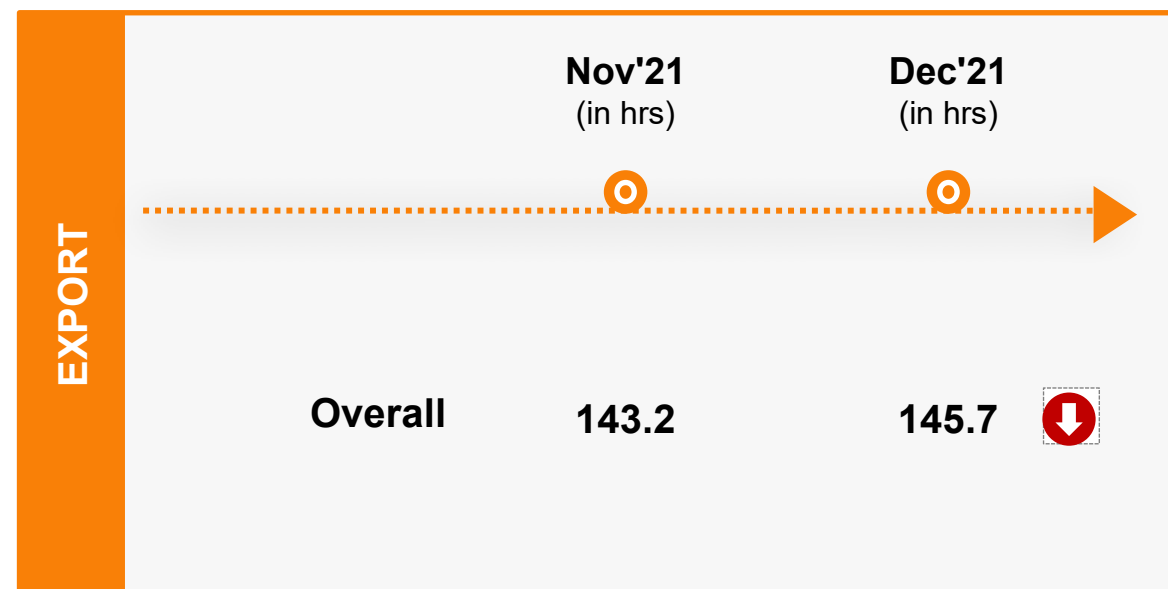
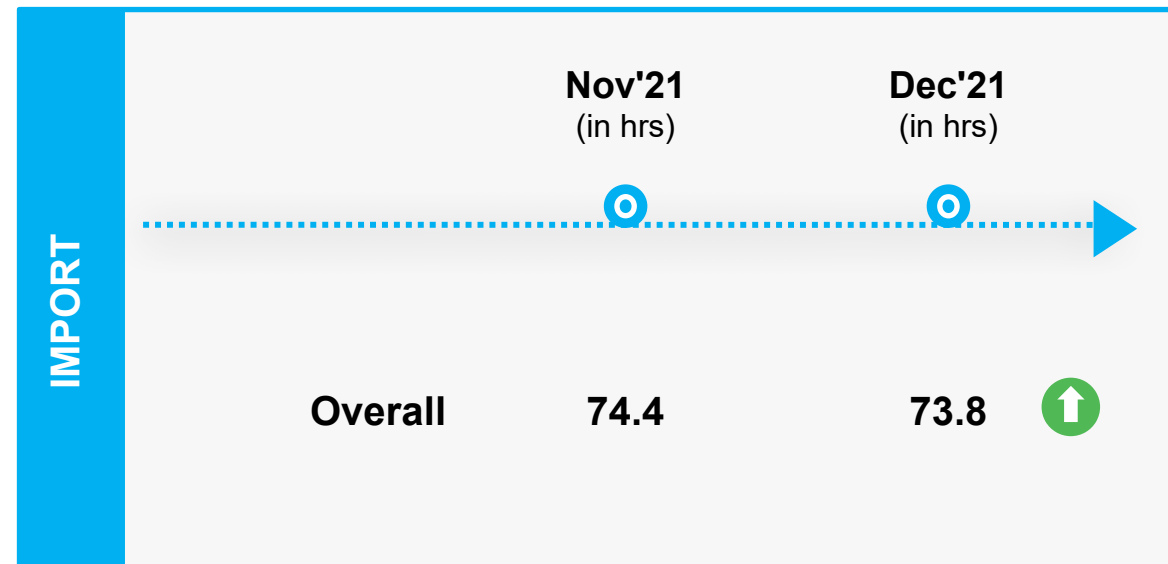
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# New Mangalore Port Terminal: Container Transportation

## Port Dwell Time



 The marked entries showcase increase in performance in comparison to Nov'21

 The marked entries showcase decrease in performance in comparison to Nov'21





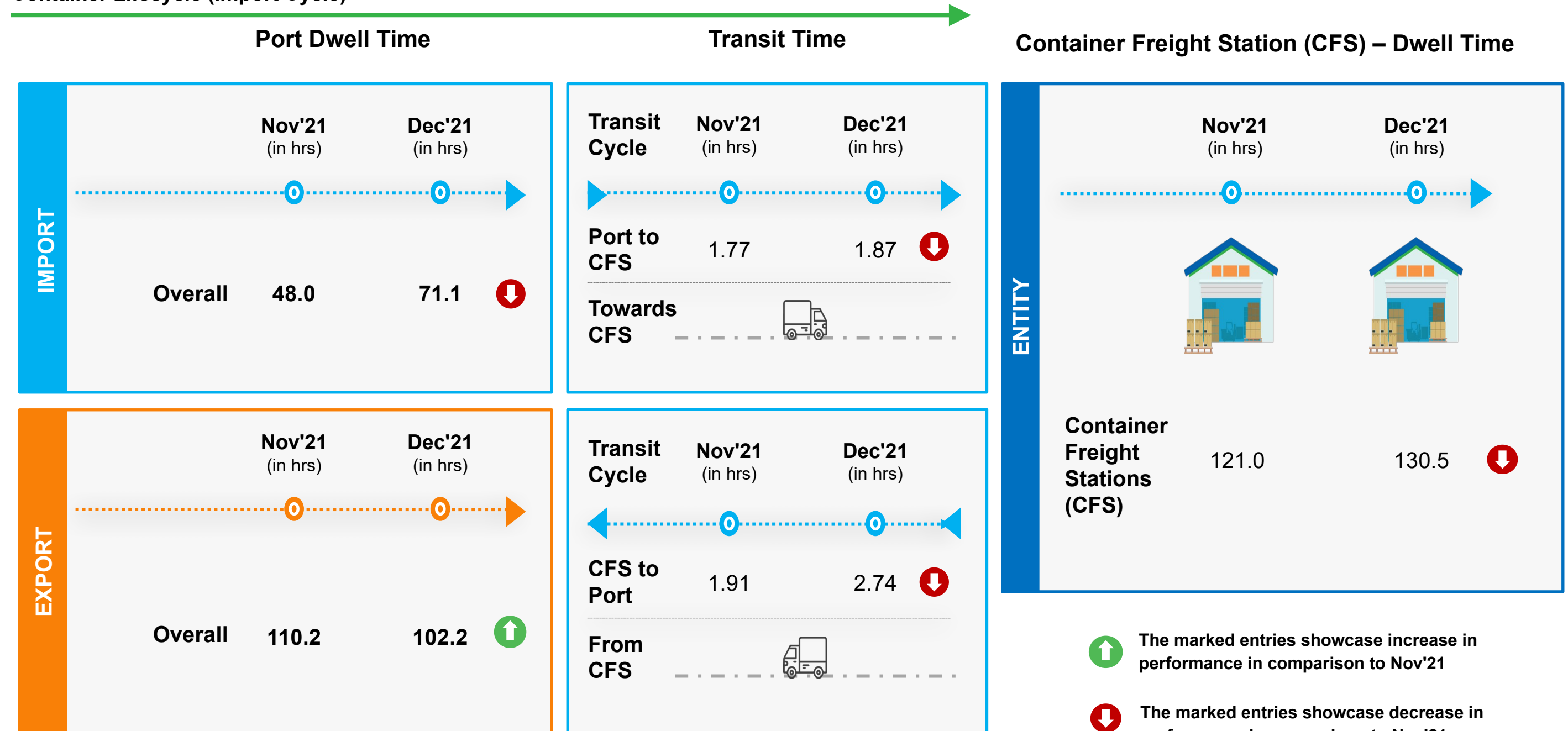
# Individual Terminal Performance In Eastern Corridor





# Vishakhapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

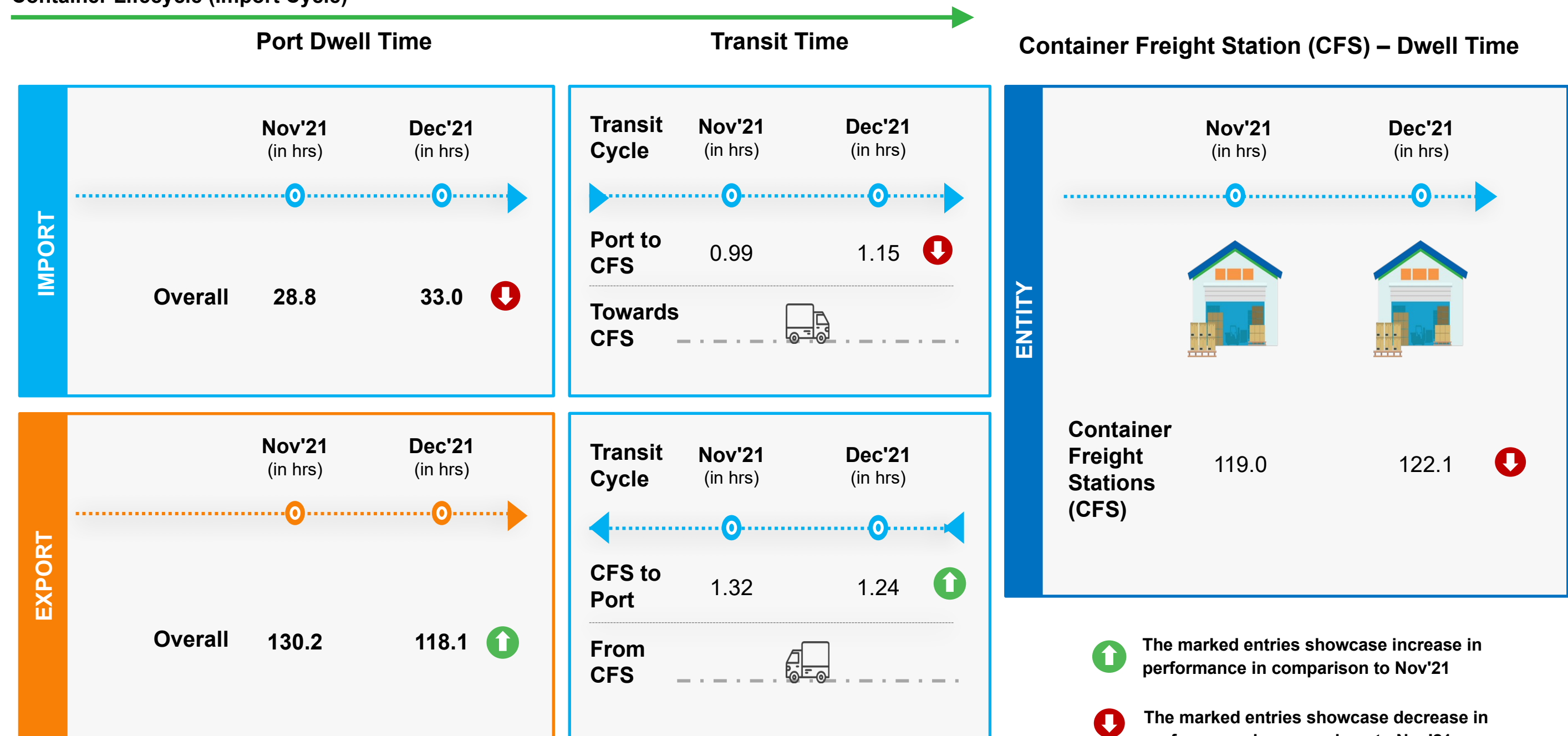




- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21

## Container Lifecycle (Export Cycle)

# Kolkata Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

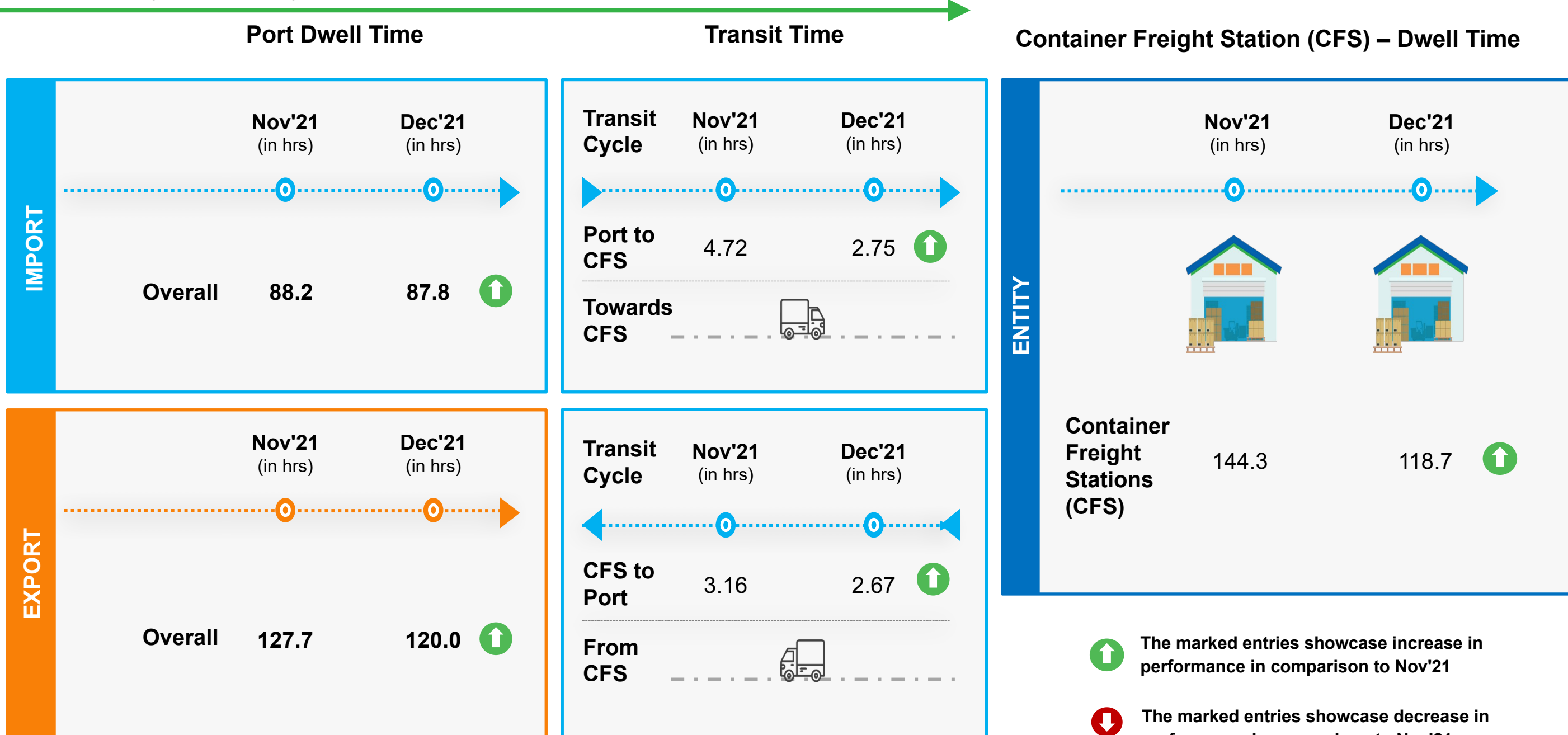


-  The marked entries showcase increase in performance in comparison to Nov'21
-  The marked entries showcase decrease in performance in comparison to Nov'21

## Container Lifecycle (Export Cycle)

# Haldia Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21





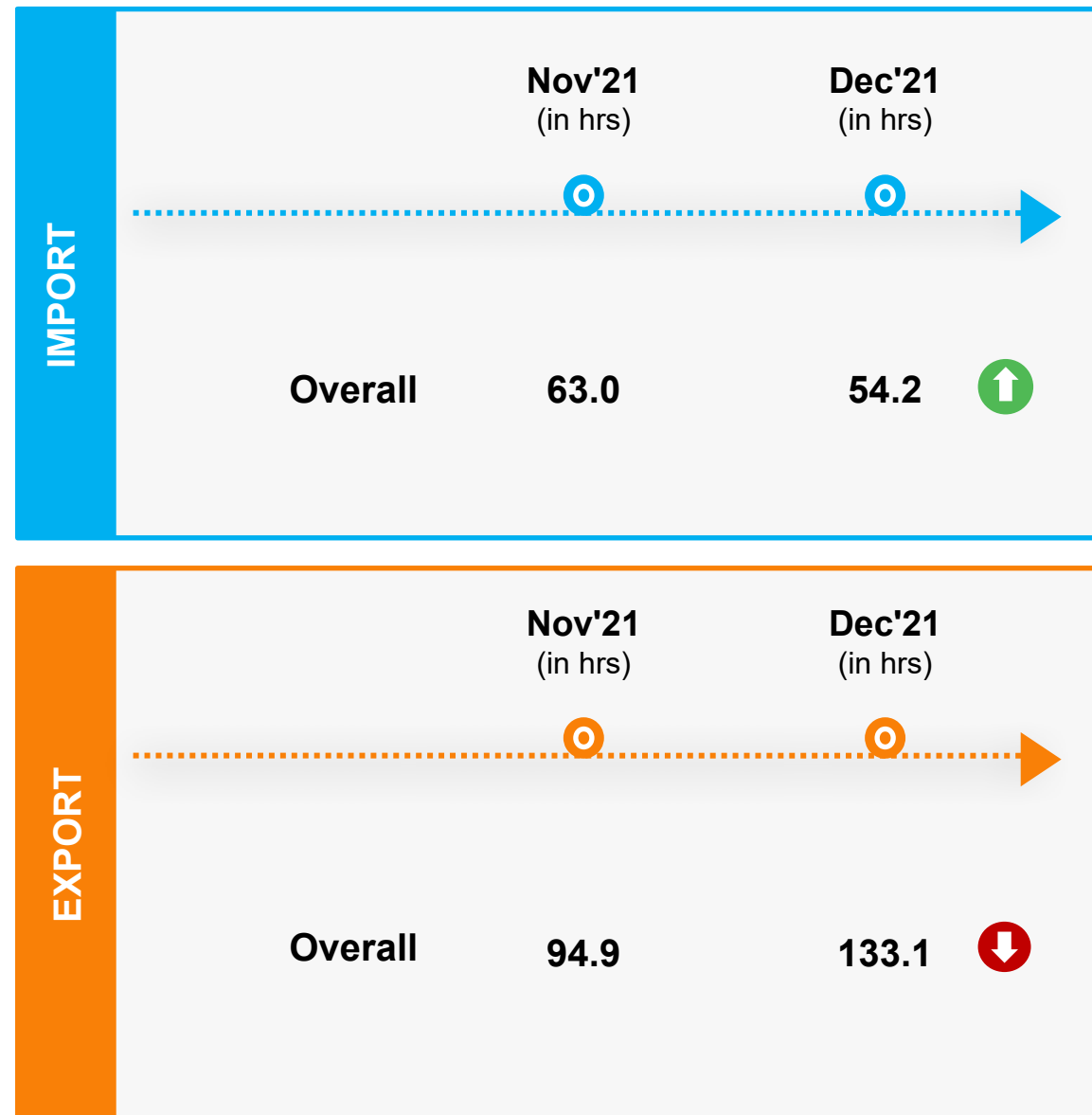
# Individual Terminal Performance In Western Corridor





# Kandla Port Terminal: Container Transportation

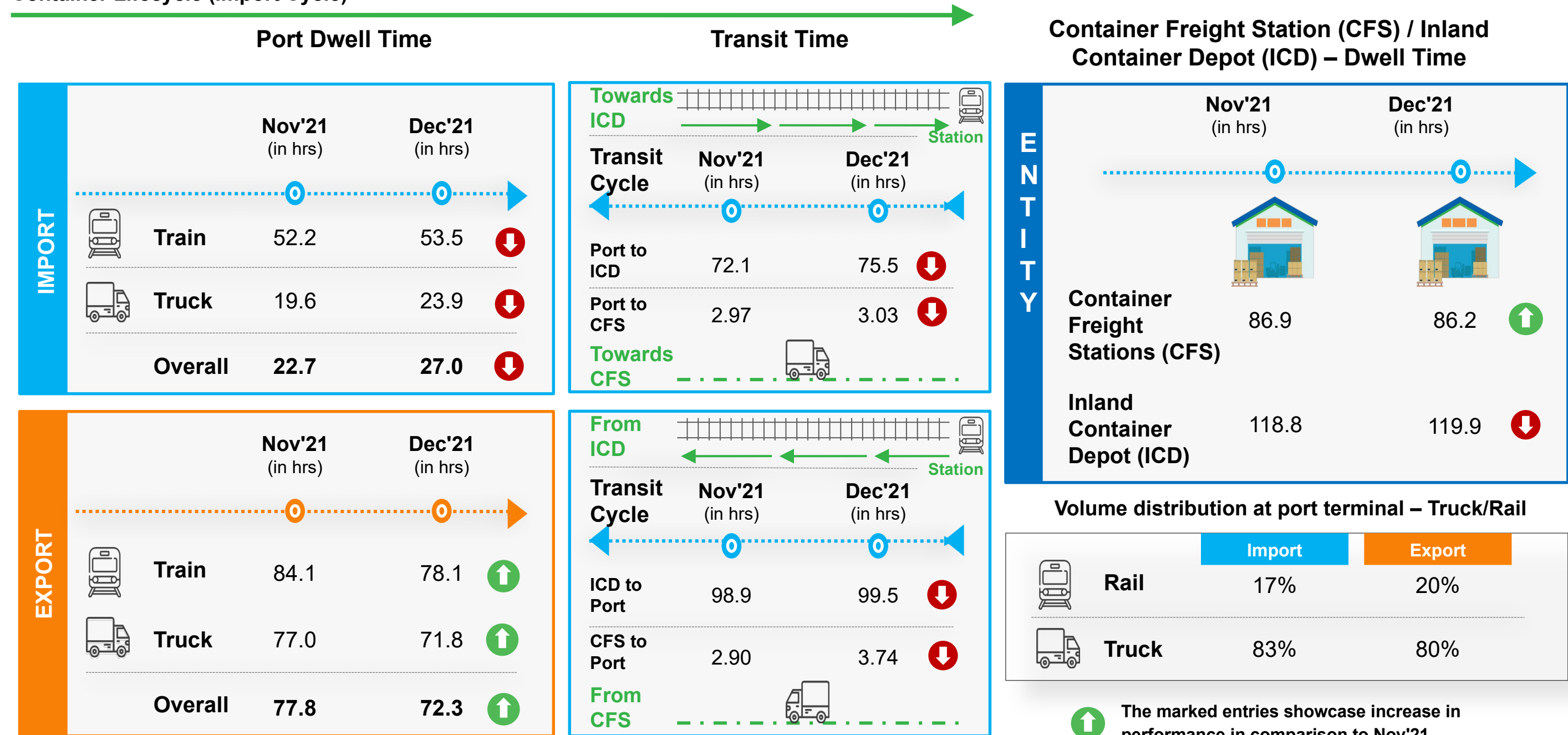
## Port Dwell Time



- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21

# Container Transportation- JNPT Port Terminals

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21

# Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Dec'21 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	27.0	19%	↓
	Port Dwell Time for Truck Bound Containers	23.9	22%	↓
	Port Dwell time for Train Bound Containers	53.5	2%	↓
	Port Dwell time Direct Port Delivery (DPD) containers	43.5	8%	↓
	Port Dwell time Containers bound for CFS	20.6	17%	↓
	Port Dwell for Empty Containers	34.6	31%	↓
	Port Dwell for Laden Containers	25.4	17%	↓
Transit time	Port to ICD	75.5	5%	↓
	Port to CFS	3.03	2%	↓

Compared  
to Nov'21

EXPORT CYCLE DWELL TIME (Dec'21– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	72.3	7%	↑
	Port Dwell Time for Truck Bound Containers	71.8	7%	↑
	Port Dwell time for Train Bound Containers	78.1	7%	↑
	Port Dwell time Direct Port Entry (DPE) containers	82.4	2%	↓
	Port Dwell time Containers bound from CFS	69.7	10%	↑
	Port Dwell for Empty Containers	60.0	15%	↑
	Port Dwell for Laden Containers	76.6	4%	↑
Transit time	ICD to Port	99.5	1%	↓
	CFS to Port	3.74	29%	↓

Compared  
to Nov'21



The arrows depict increase/decrease in performance of the stakeholders in comparison to Nov'21

# 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	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall Parking Plaza	5.67	5.51

## Container Handled: Day wise (Dec'21 )

Parking Plaza	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	55%	42%	3%

## Parking Plaza Gate Out – Terminal In

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.17	1.68

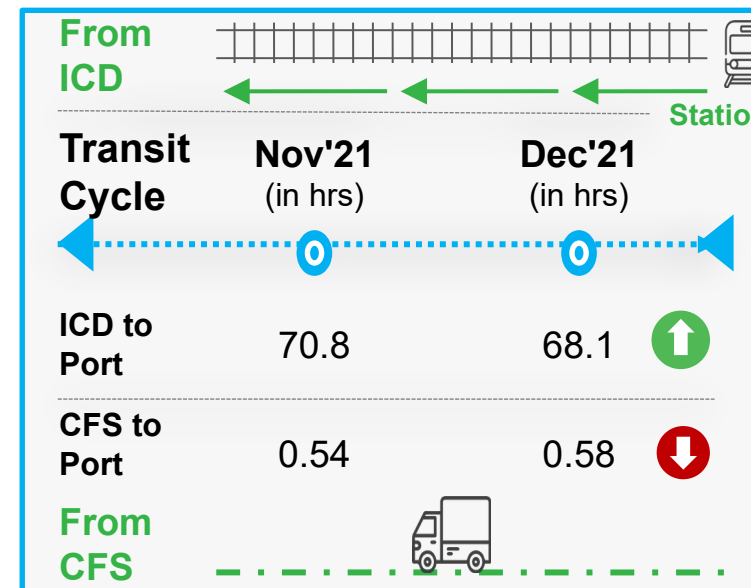
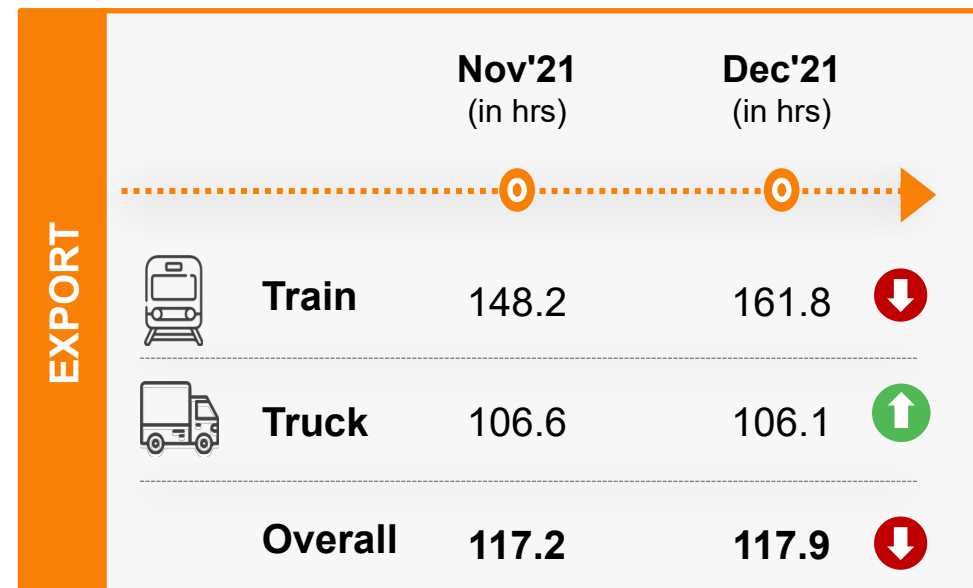
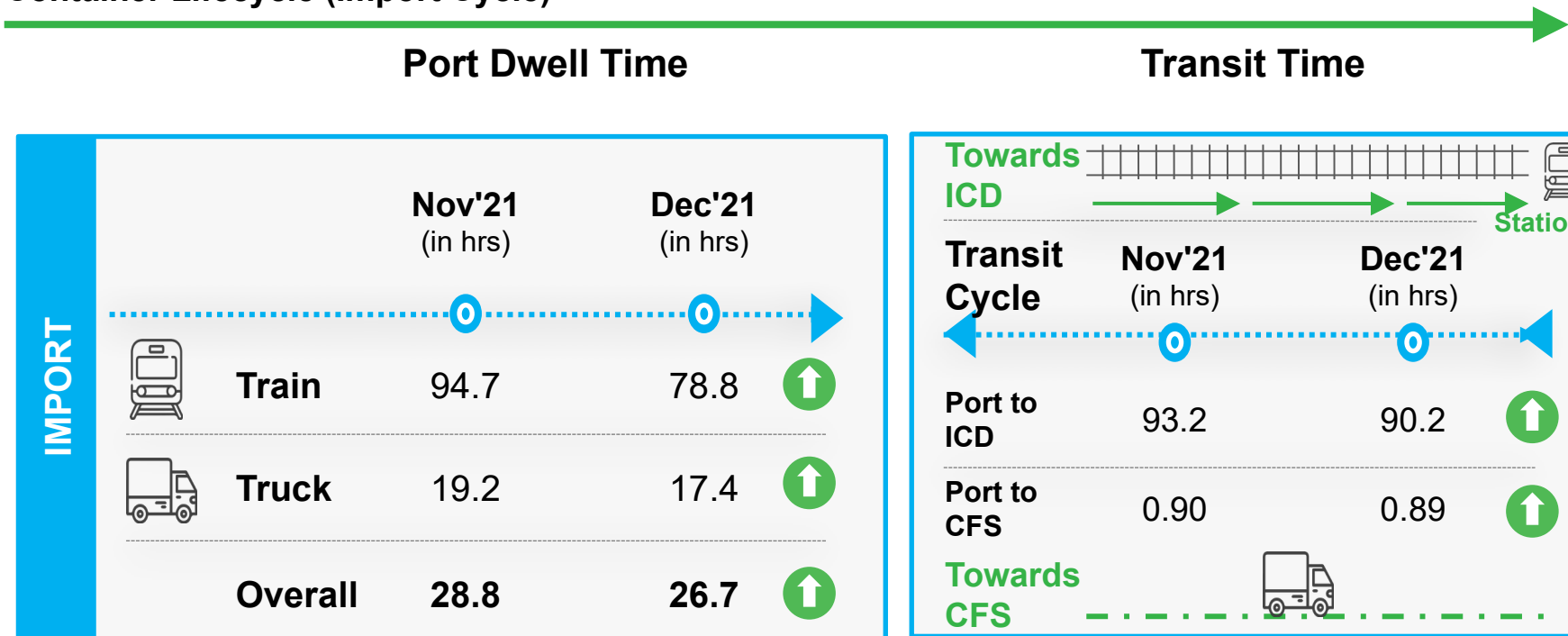
Port	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	1.7	1.1
NSICT	1.0	1.2
GTI	1.1	1.4
NSIGT	1.0	1.8
BMCT	2.6	4.0

## Container Handled: Day wise (Dec'21 )

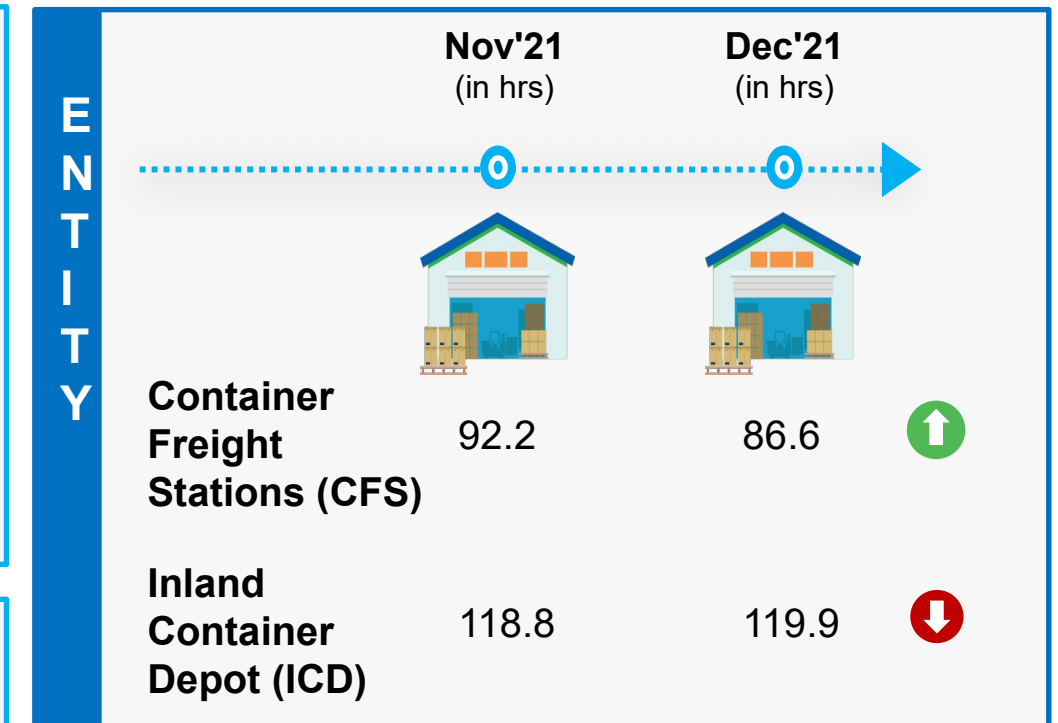
Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	94%	5%	1%
NSICT	94%	5%	1%
GTI	95%	4%	1%
NSIGT	92%	7%	1%
BMCT	79%	20%	1%

# Gujarat Port Terminals : Container Transportation

## Container Lifecycle (Import Cycle)



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



## Volume distribution at port terminal – Truck/Rail

	Import	Export
<b>Rail</b>	31%	32%
<b>Truck</b>	69%	68%

- ↑ The marked entries showcase increase in performance in comparison to Nov'21
- ↓ The marked entries showcase decrease in performance in comparison to Nov'21

## Container Lifecycle (Export Cycle)

# Container Transportation- Gujarat Port Terminals

IMPORT CYCLE DWELL TIME (Dec'21– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	26.7	7%	↑
	Port Dwell Time for Truck Bound Containers	17.4	9%	↑
	Port Dwell time for Train Bound Containers	78.8	17%	↑
Transit time	Port to ICD	90.2	3%	↑
	Port to CFS	0.89	1%	↑
EXPORT CYCLE DWELL TIME (Dec'21– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	117.9	1%	↓
	Port Dwell Time for Truck Bound Containers	106.1	0.5%	↑
	Port Dwell time for Train Bound Containers	161.8	9%	↓
Transit time	ICD to Port	68.1	4%	↑
	CFS to Port	0.58	7%	↓

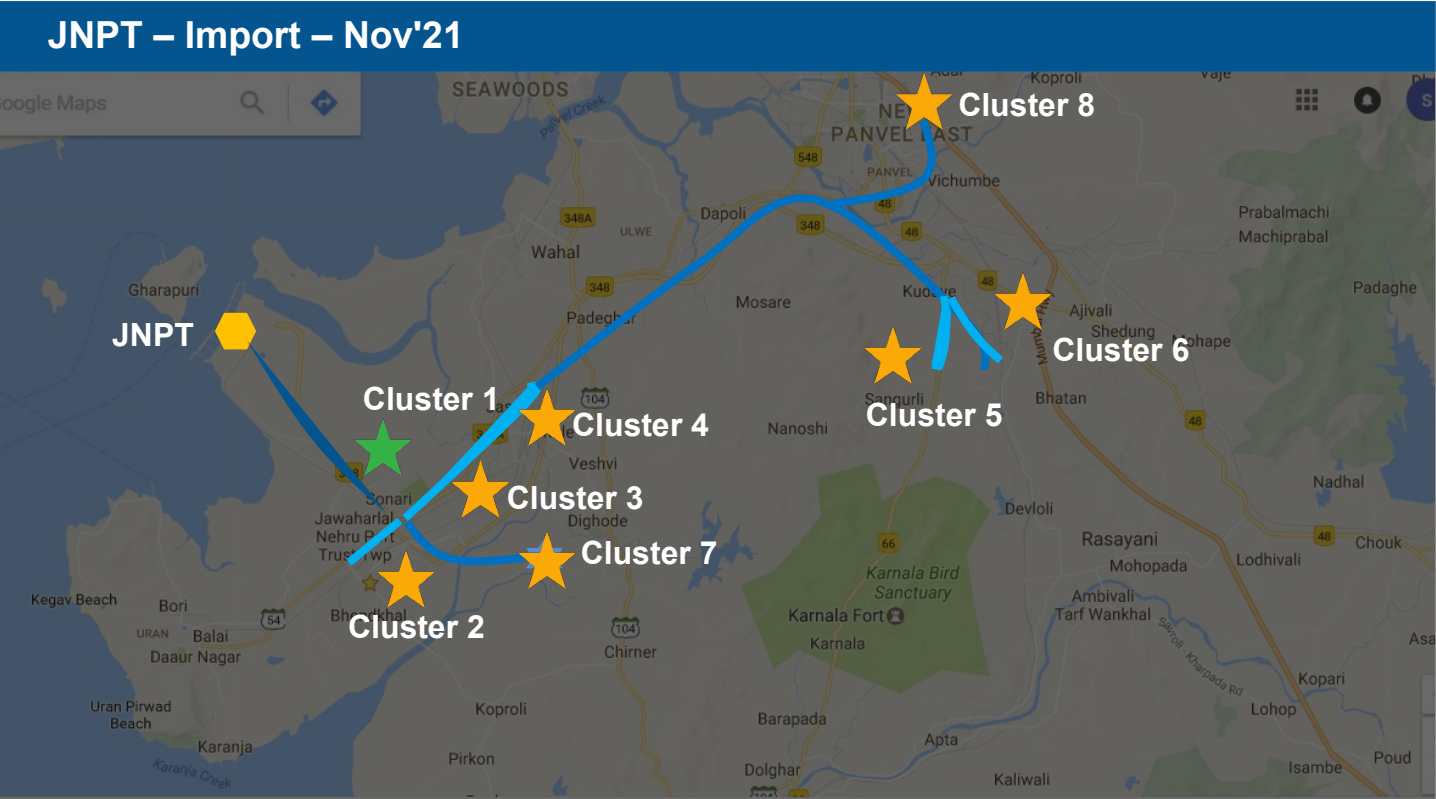
Compared to Nov'21



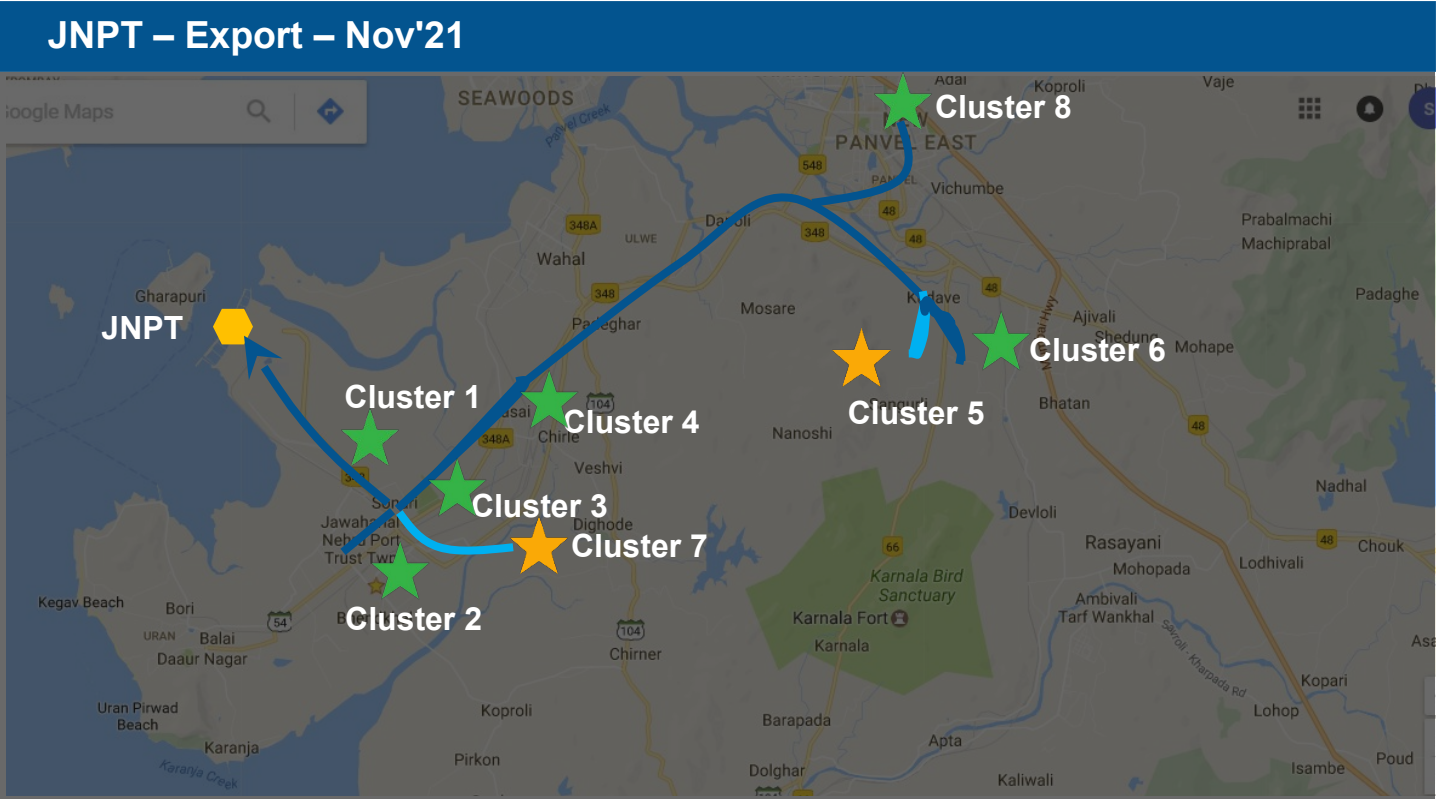
The arrows depict increase/decrease in performance of the stakeholders in comparison to Nov'21



# 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



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

Legends

High Congestion

Medium Congestion

Low Congestion

Cluster with bottleneck

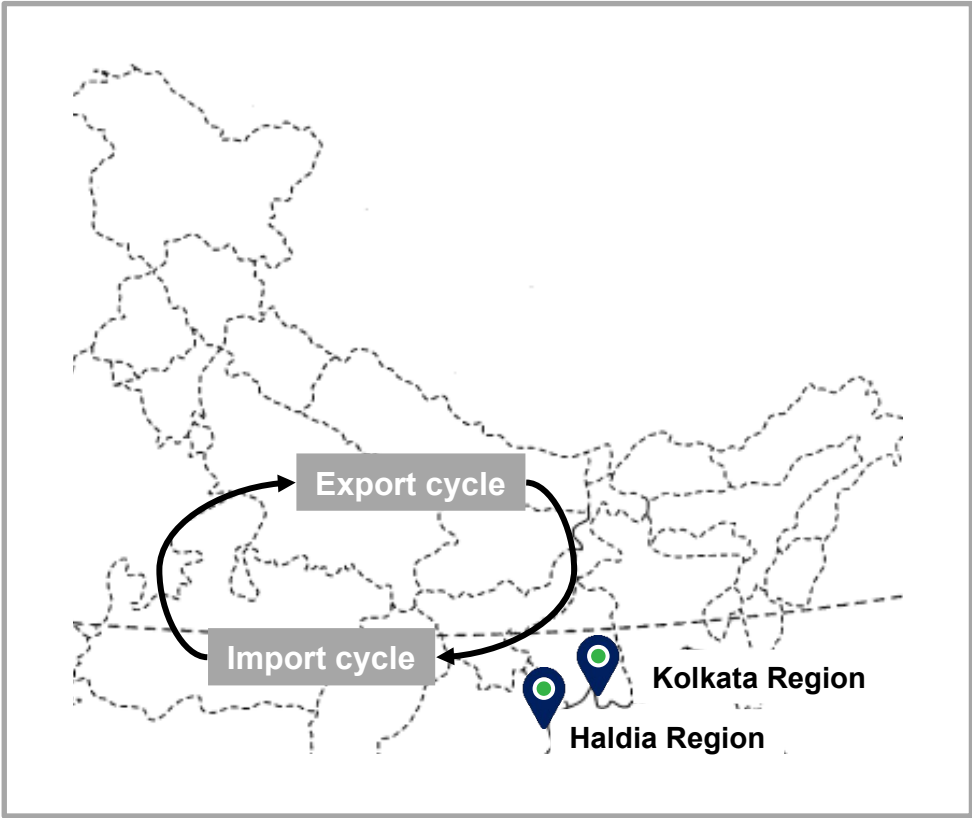
Cluster without bottleneck



# 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

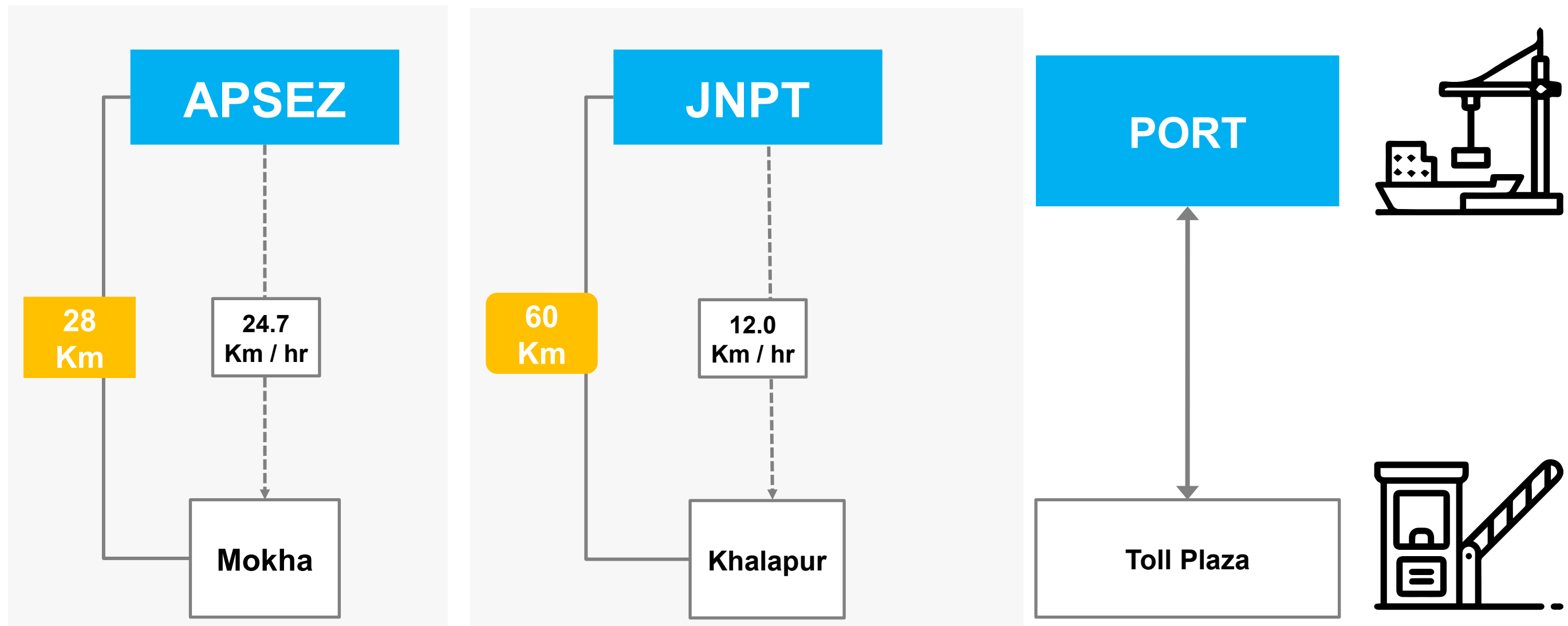
Kolkata Port Terminal				Kolkata Port Terminal			
Import Cycle	Mode	ICP Raxaul	ICP Jogbani	Export Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	94.4 hrs	112.5 hrs		Overall	604.8 hrs	476.0 hrs
	Road	136.8 hrs	112.5 hrs		Road	612.0 hrs	476.0 hrs
	Rail	71.6 hrs	-		Rail	604.6 hrs	-
Haldia Port Terminal				Haldia Port Terminal			
	Mode	ICP Raxaul	ICP Jogbani		Mode	ICP Raxaul	ICP Jogbani
	Overall	67.6 hrs	173.1 hrs		Overall	944.5 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)		
				Oct'21	Nov'21	Dec'21
Western	Hazira	Boriach	77	13.1	5.5	5.4
Eastern	KOPT(Kolkata)	Dankuni	24	2.6	2.3	2.3
	HICT(Haldia)	Debra	100	5.3	6.4	6.9
		Jaladhulagori	101	7.0	7.5	7.3
Southern	Chennai	Surapattu	18	-	-	2.8
		Nallur	23	1.4	2.6	1.8
	Kochi	Kumbalam	13	0.6	0.6	0.6
		GIPL Palayekara	71	8.7	17.1	11.9
	NMPT (New Manglore)	Brahamarakotlu	25	5.8	5.9	3.0
		Talapady	22.5	1.4	1.6	2.6
		Gundmi	68	4.2	3.9	4.3
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	3.8	3.7	4.3
	Ennore	Surapattu	35	-	-	3.0
	Tuticron	VoCPT CheckPost1	4.3	12.6	12.9	11.6

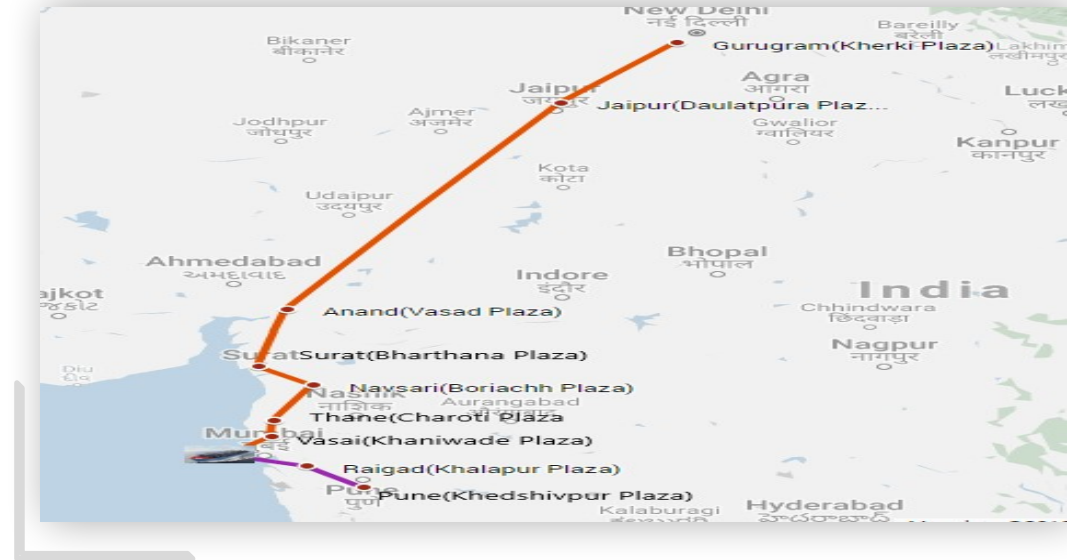
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

# Western Corridor Toll Plaza Analysis

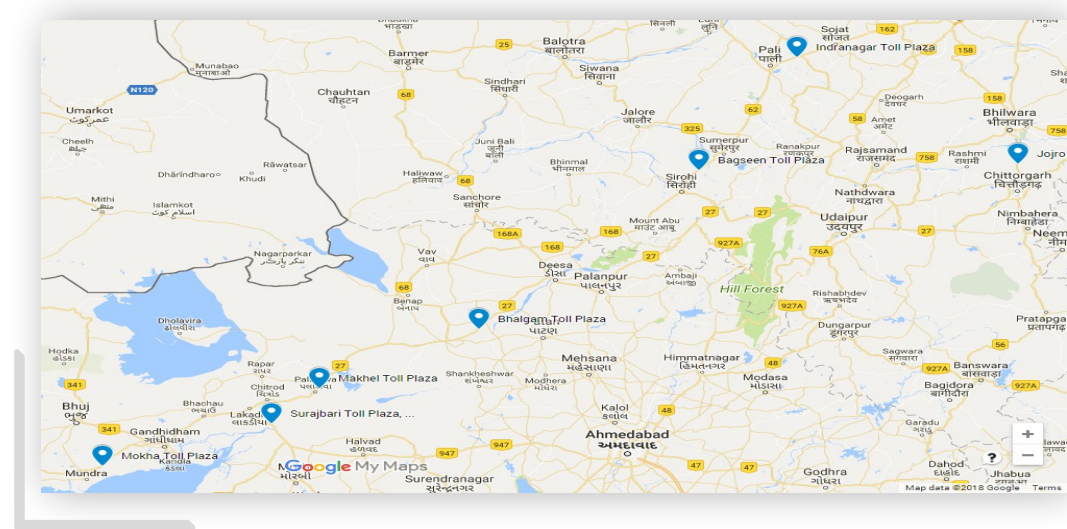
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Nov'21 (in km/hrs)	Dec'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	13.9	-
	JNPT	Khalapur	60	13.7	12.0
	Khaniwade	Charoti	50	36.5	37.0
	Charoti	Boriach	126	29.1	29.5
	Boriach	Bharthan	142	32.7	30.3
	Bharthan	Vasad	60	37.7	38.0
	Khalalpur	Khedshivpur	105	34.0	33.5
APSEZ	APSEZ	Mokha	28	23.9	24.7
	Mokha	Makhel	150	18.5	22.1
	Mokha	Surajbari	115	25.1	25.9
	Makhel	Bhalgam	108	-	33.6

Toll Plaza - JNPT Port



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



# Annexure – Western Region

## List of CFS name used in CFS Performance Index

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

# Annexure – Southern & Eastern Region

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

1	Sical CFS, Chennai Tiruvallur Tamil Nadu	21	Chola Logistiks Pvt Ltd
2	Allcargo Global Logistics CFS, Chennai	22	A S Shipping Agencies CFS, Tiruvallur
3	Gateway Distriparks CFS, Chennai	23	Sical Multimodal and Rail Transport Ltd. - CFS Division
4	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	24	Diamond CFS Park
5	Sanco Trans CFS, Chennai	25	Thiru Rani Logistics CFS, Tiruvallur
6	Kailash Shipping Services CFS, Chennai	26	Kerry Indev Logistics Private Limited / Continental Container Freight Station
7	Kerry Indev Logistics ICD, Kanchipuram	27	Adani CFS, Kattupalli Tiruvallur Tamil Nadu
8	Ennore Cargo Container Terminal CFS, Chennai	28	STP Services CFS, Chennai
9	ALS Tuticorin Terminal Private Limited	29	Vilsons CFS
10	Sattva Hi-Tech And Conware CFS, Chennai	30	Balmer Lawrie CFS, Chennai
11	Calyx Container Terminal CFS, Chennai	31	A.S.Shipping Agencies Pvt Ltd
12	Triway CFS, Chennai	32	Hind Terminals CFS, Chennai
13	Glovis India CFS, Kanchipuram	33	Chandra CFS, Tiruvallur
14	Raja Agencies CFS	34	Apm Terminals India CFS, Tiruvallur
15	Sudharsan Logistics CFS, Chennai	35	Hari CFS
16	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	36	Sattva Cfs And Logistics CFS, Chennai
17	MIV CFS	37	Viking Warehousing CFS, Chennai
18	St. John Freight Systems Ltd. - ICD Division	38	Gateway Distripark CFS, Krishnapatnam
19	Continental Warehousing Corporation Nhava Sheva Ltd.	39	German Express Shipping Agency CFS, Chennai
20	GDKL CFS	40	Seabird CFS, Krishnapatnam

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

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





# THANK YOU

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