

# Logistics Databank Analytics Report- April 2021



## Section One

---

### 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 Two

---

### 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: April 2021 (Dwell Time)

## Gujarat Region

Import	Export
23.9 hrs	124.3 hrs

## Mumbai Region

Import	Export
20.3 hrs	73.3 hrs

## Kochi Region

Import	Export
43.1 hrs	73.2 hrs

## Tuticorin Region

Import	Export
21.7 hrs	54.8 hrs

## Kolkata Region

Import	Export
43.7 hrs	124.3 hrs

## Vishakhapatnam Region

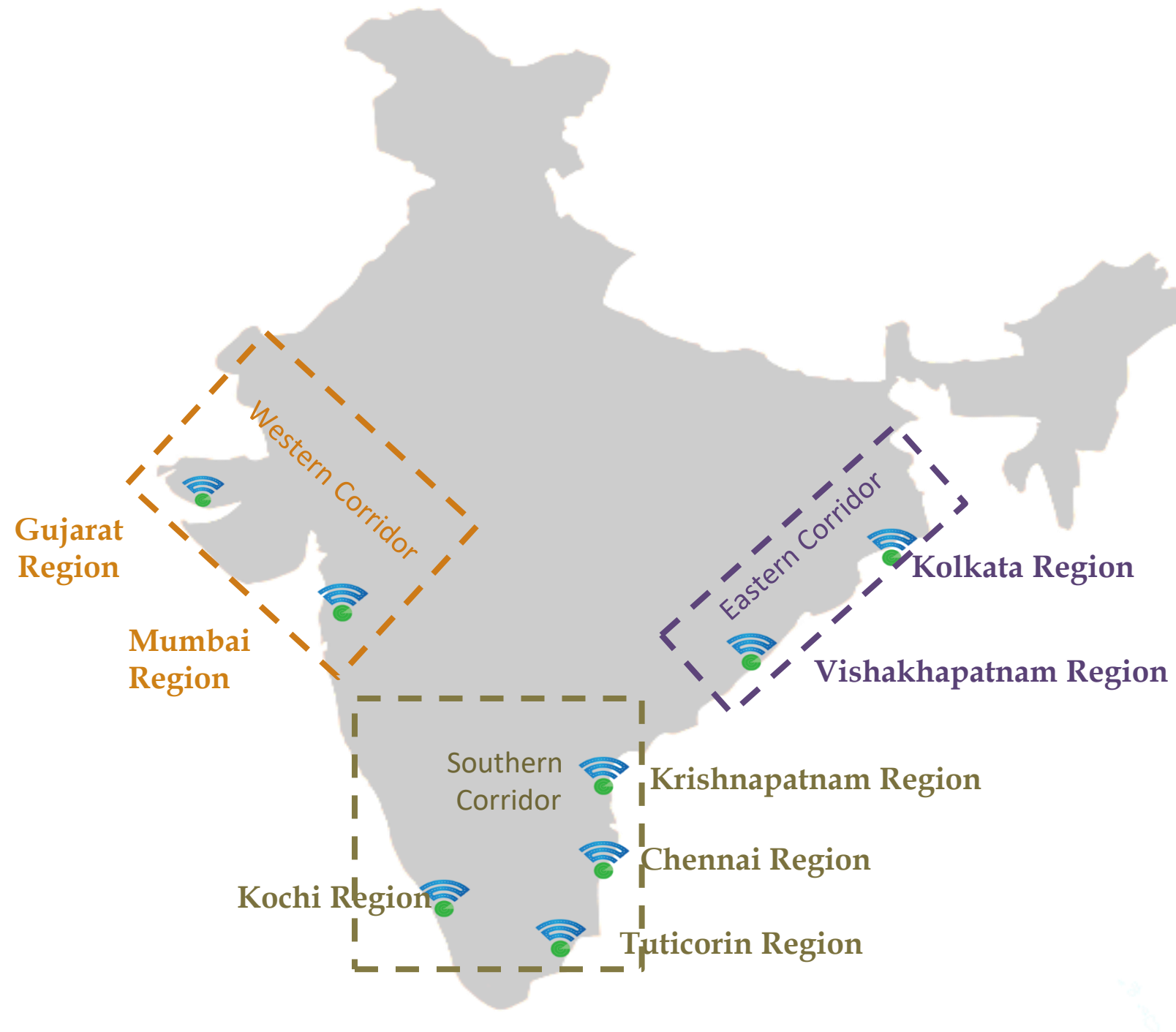
Import	Export
47.4 hrs	80.6 hrs

## Krishnapatnam Region

Import	Export
50.5 hrs	73.8 hrs

## Chennai Region

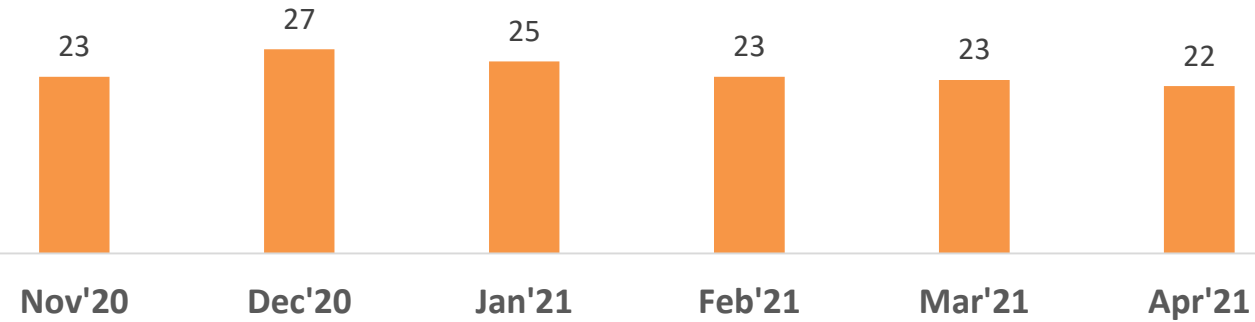
Import	Export
49.7 hrs	79.2 hrs



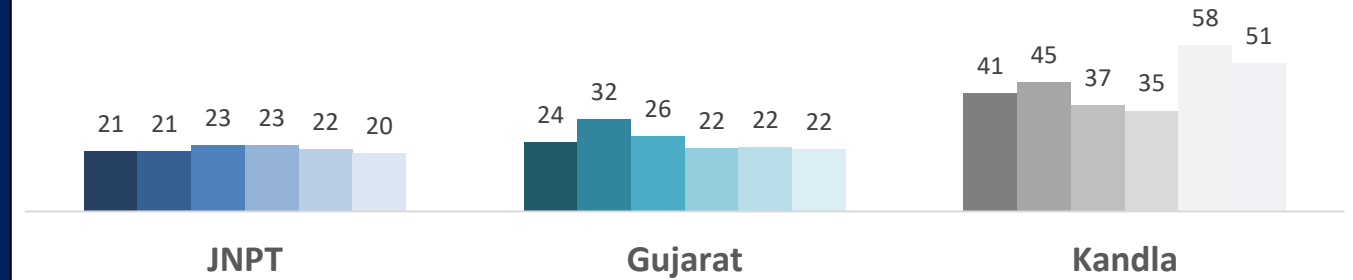
# Port Dwell Time Performance – Western Corridor (Import Cycle)

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

### Western Corridor

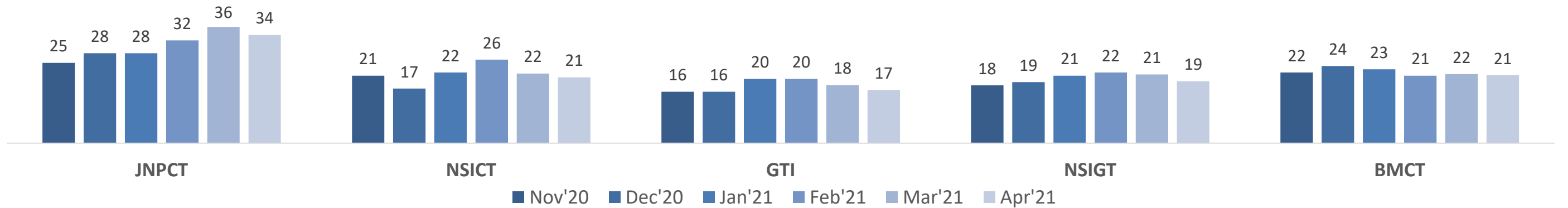


### Port - Wise

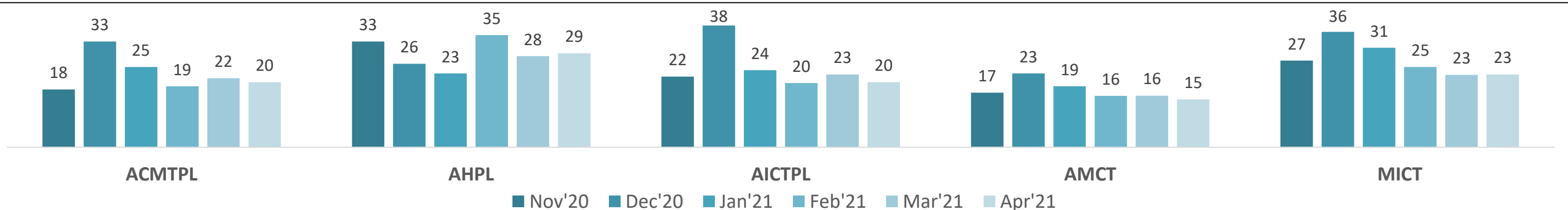


Above chart depicts the Ports performance for the duration of last six months

### JNPT - Terminal



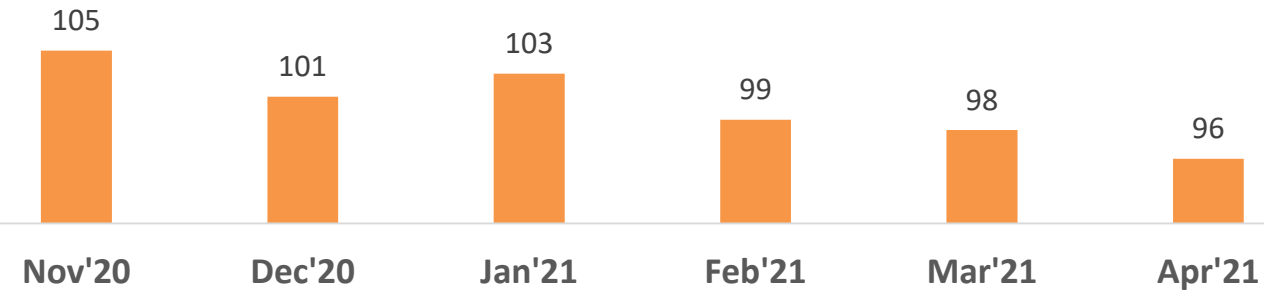
### Gujarat - Terminal



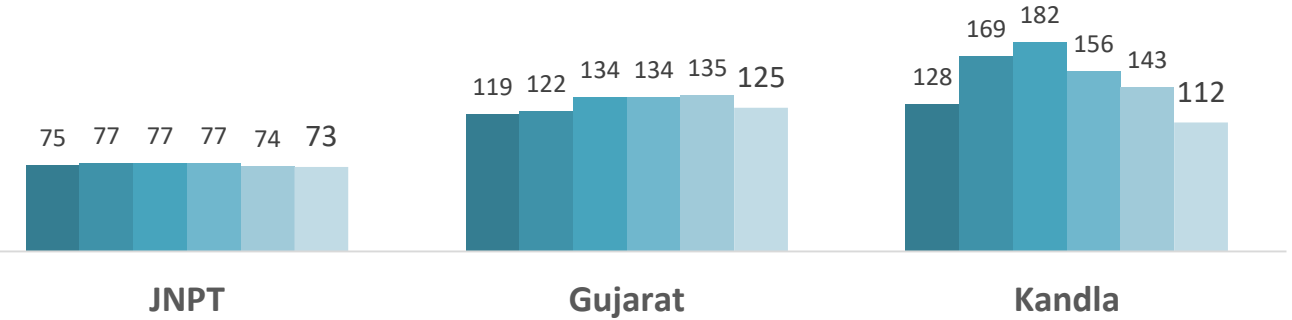
# Port Dwell Time Performance – Western Corridor (Export Cycle)

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

Western Corridor

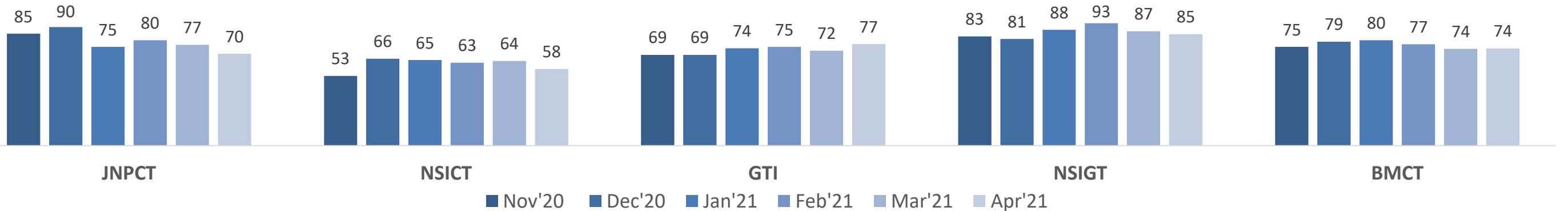


Port - Wise

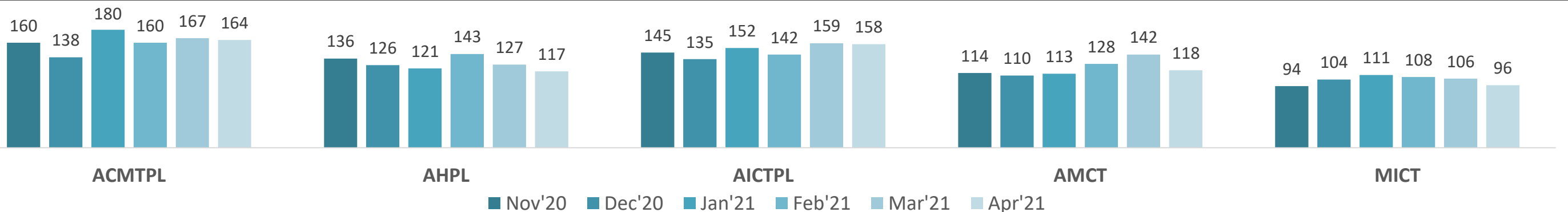


Above chart depicts the Ports performance for the duration of last six months

JNPT - Terminal



Gujarat - Terminal



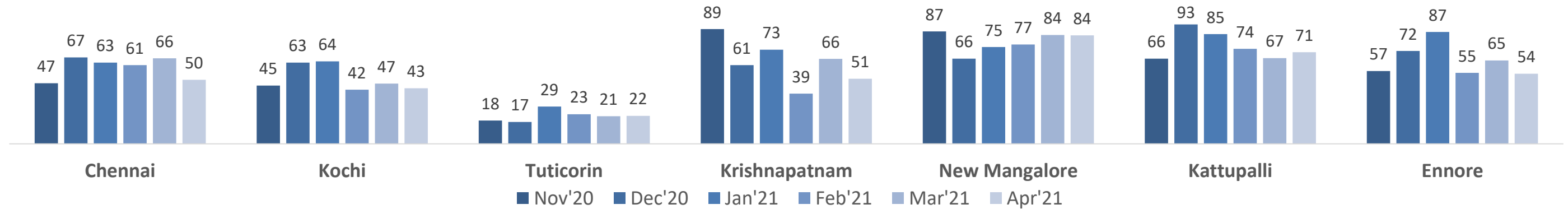
# Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

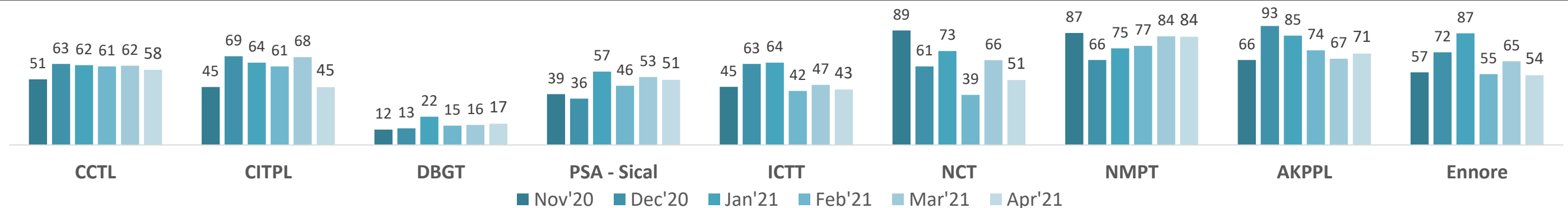
Southern Corridor



Port - Wise



Terminal - Wise



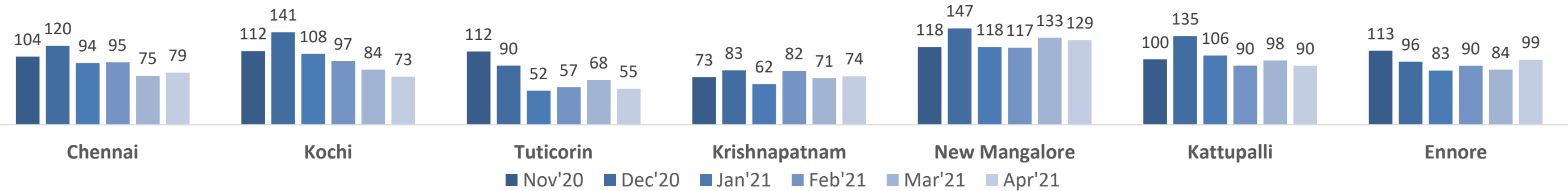
# Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

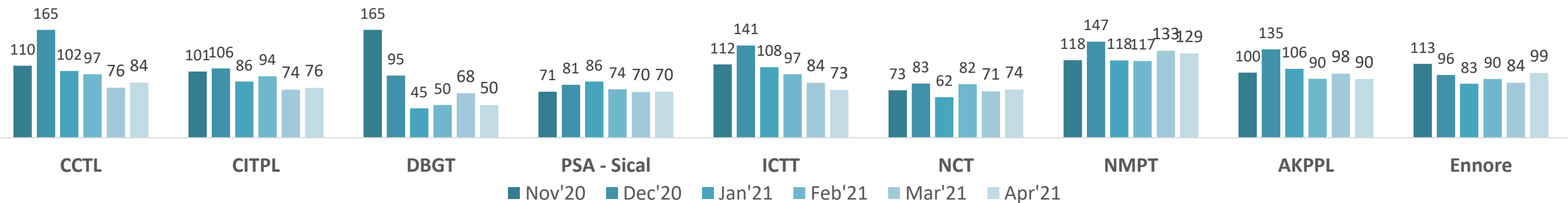
Southern Corridor



Port - Wise



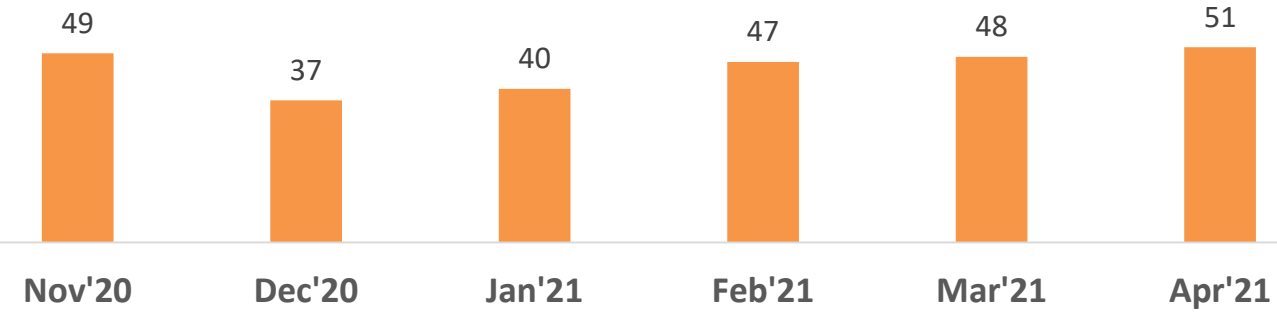
Terminal - Wise



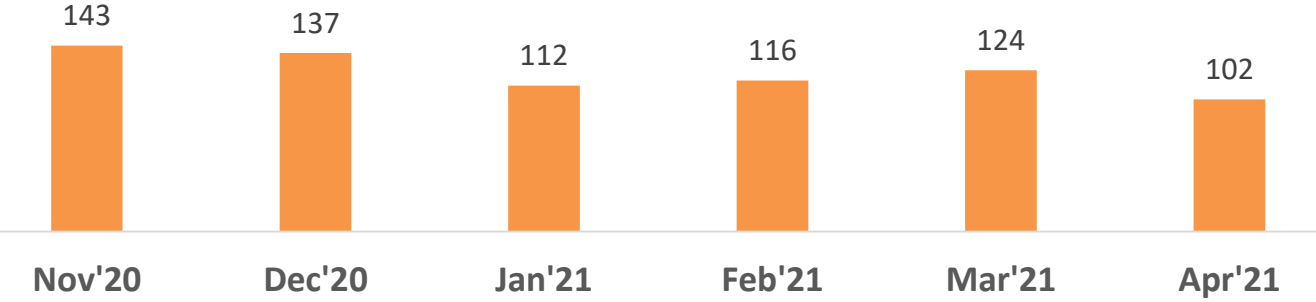
# Port Dwell Time Performance – Eastern Corridor

## Import Cycle (in hrs)

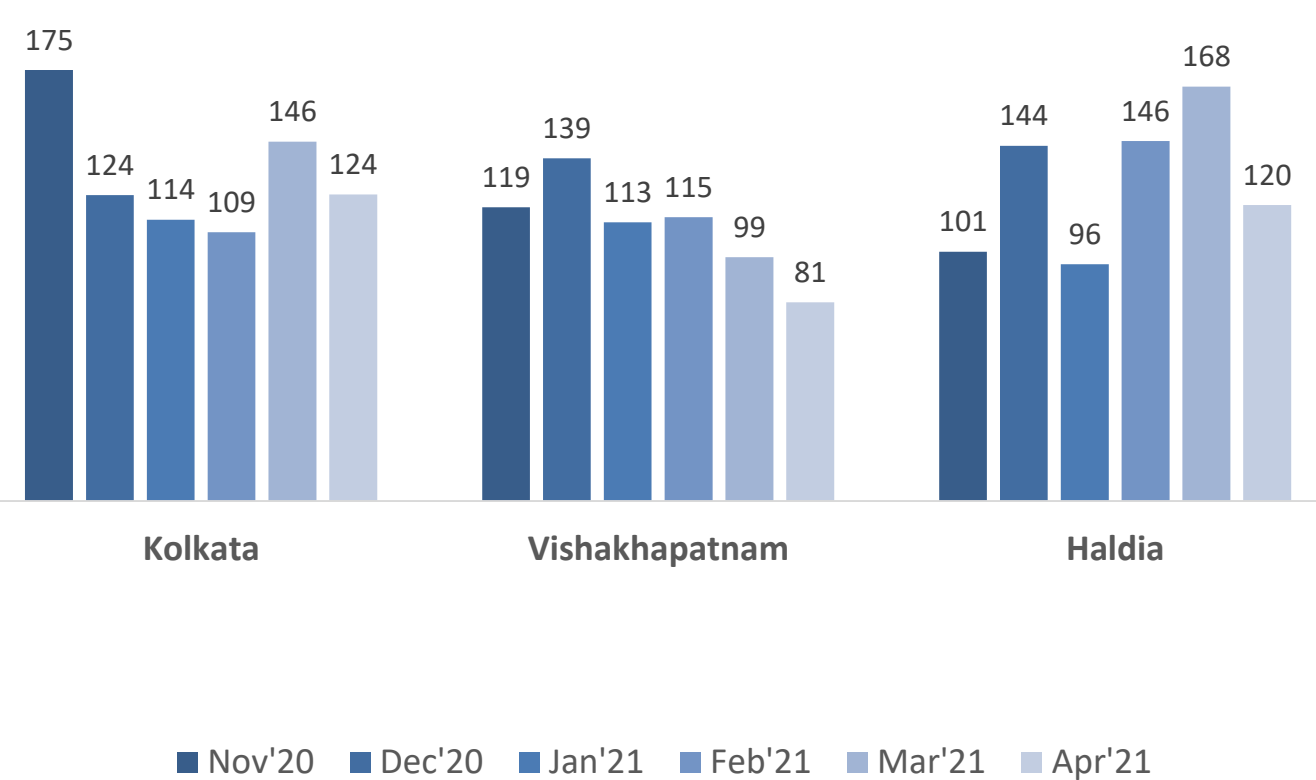
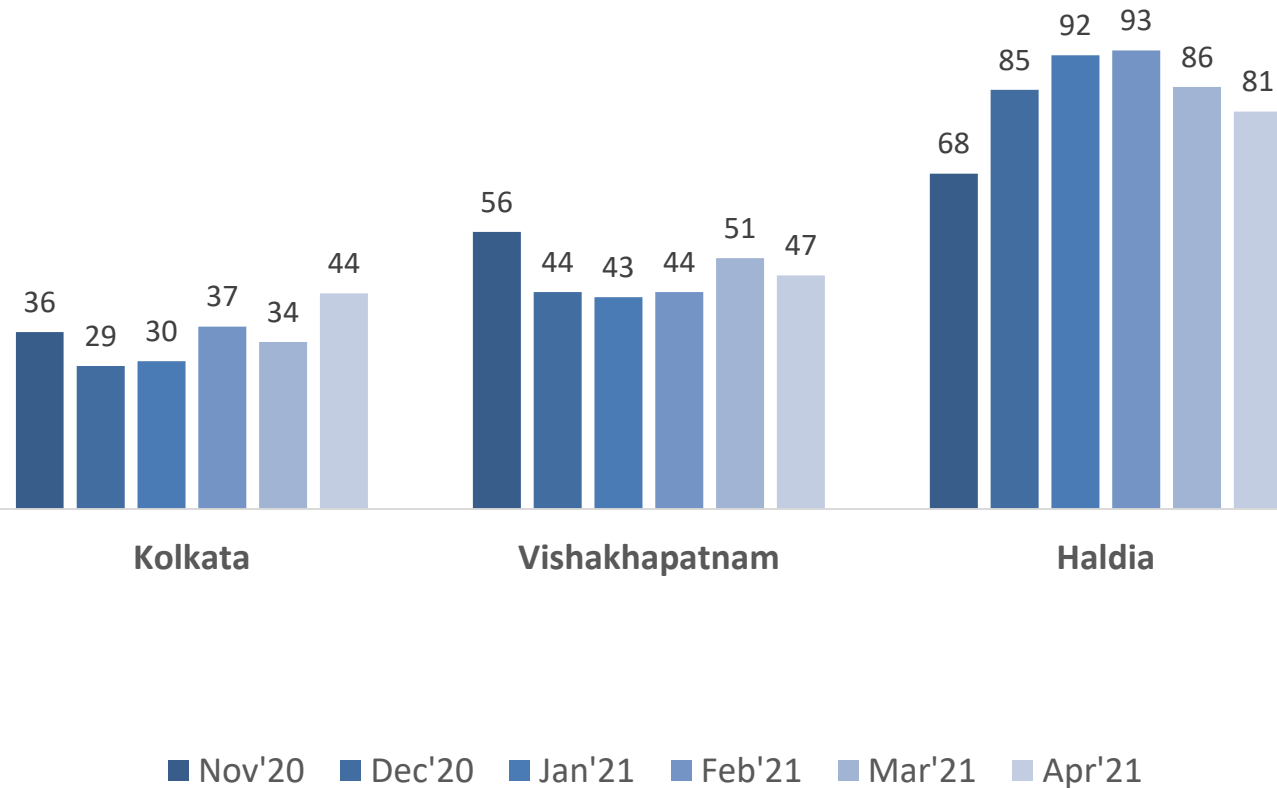
Eastern Corridor



## Export Cycle (in hrs)







Port - Wise





## Western Corridor

- The Overall container handling performance in Western Corridor in both Import & Export Cycle has improved by 4% & 2%.
- The container handling performance at CFS has deteriorated by 6.1%. Also, ICD performance has deteriorated by 7.8%.

Month	Import cycle - Dwell Time	Export cycle - Dwell Time	CFS Dwell Time	ICD Dwell Time
Apr'21	21.8 hrs 	95.7 hrs 	93.8 hrs 	135.7 hrs 
Mar'21	22.6 hrs	98.1 hrs	88.4 hrs	125.9 hrs

## Southern Corridor

- The Overall container handling performance in Southern Corridor in both Import & Export Cycle has improved by 20% & 1%.
- The container handling performance at CFS has deteriorated by 8%

Month	Import cycle - Dwell Time	Export cycle - Dwell Time	CFS Dwell Time
Apr'21	44.8 hrs 	76.6 hrs 	109.1 hrs 
Mar'21	55.8 hrs	77.2 hrs	101.1 hrs

## Eastern Corridor

- The Overall container handling performance in Eastern Corridor in Import Cycle has deteriorated by 5% & in Export Cycle has improved by 18%.
- The container handling performance at CFS has deteriorated by 10%

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time
Apr'21	50.8 hrs 	101.5 hrs 	130.3 hrs 
Mar'21	48.3 hrs	123.7 hrs	118.0 hrs

## IMPORT CYCLE

Below analysis depicts the average custom process duration for containers in PAN India for the respective month in import cycle

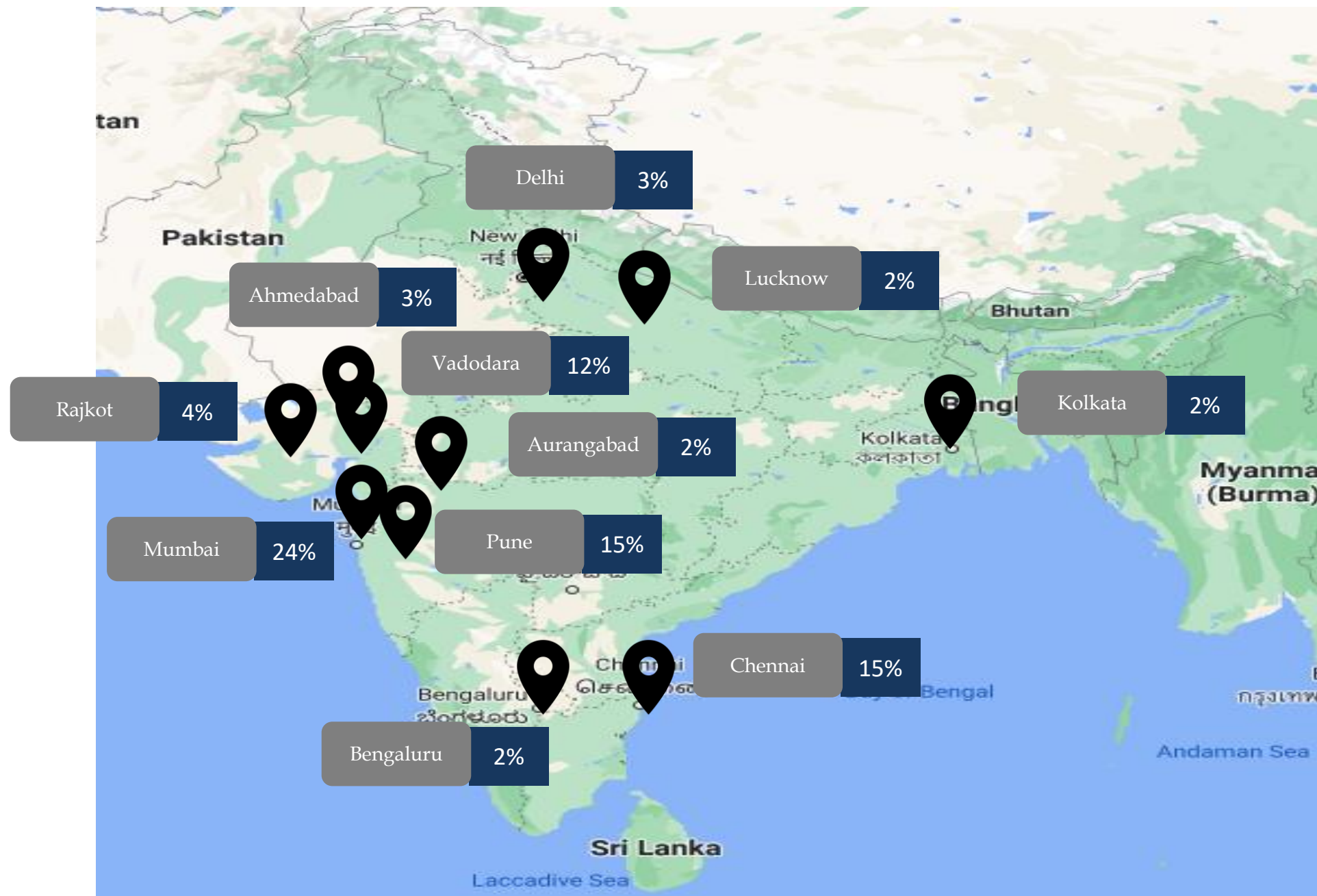
Custom process duration analysis is the average time taken for a container to gets its OCC(custom clearance date) from the moment it lands on the Port

Custom process duration analysis = (Customer clearance date (OCC) - Port IN)

PAN India Overall (Import Cycle)	
Month	Custom process duration analysis (in Days)
April'21	7.0 Days

# Custom Process Data Heat Map Analysis: Import

Below Heat Map depicts the Destination of containers in import cycle.

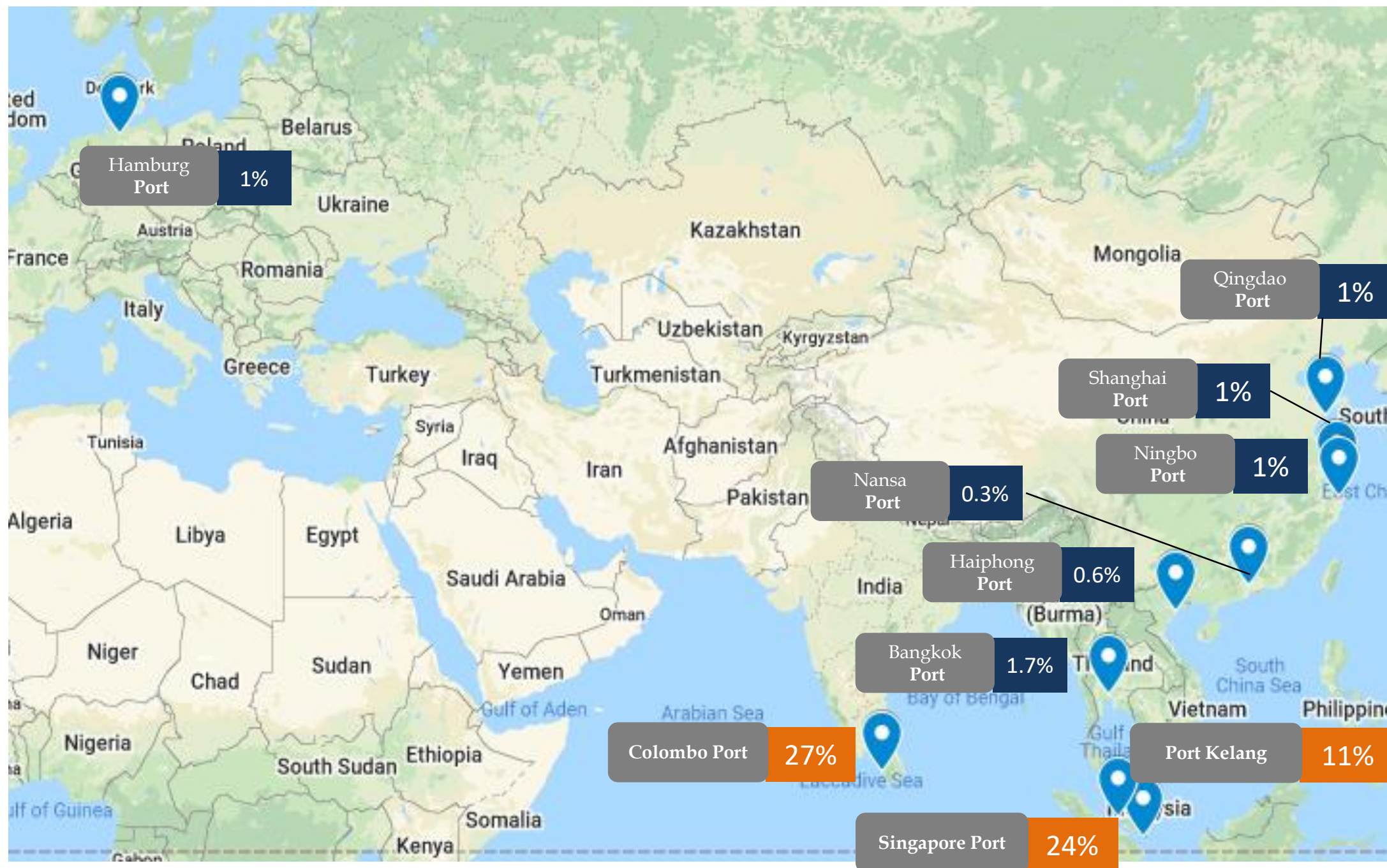


Month of Apr'21	
Import Destination	Traffic (in %)
Mumbai	24%
Vadodara	12%
Pune	15%
Chennai	15%
Rajkot	4%
Ahmedabad	3%
Bengaluru	2%
Delhi	3%
Aurangabad	2%
Lucknow	2%
Kolkata	2%
Others	16%



# Vessel Heat Map analysis: Export

Below Heat Map depicts the export destinations of containers from India



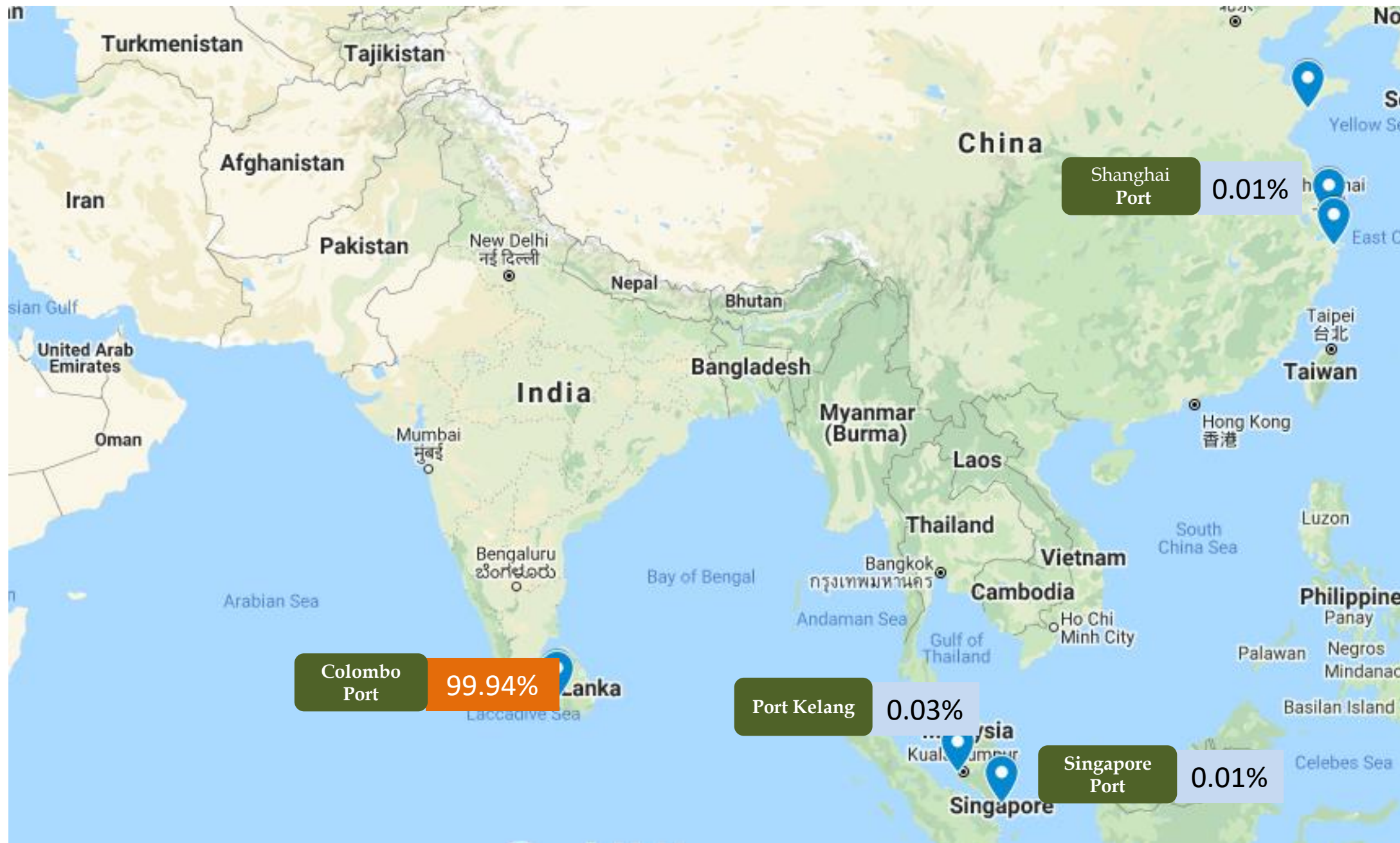
Month of Apr'21	
Import Cycle Origin	Volume (in %)
Singapore Port	24%
Colombo	27%
Shanghai	1%
Port Kelang	11%
Bangkok	1.7%
Qingdao	1%
Haiphong	0.6%
Ningbo	1%
Nansha	0.3%
Hamburg	1%
Others	31.4%

Port kelang and klang are depicted at common loc



# Vessel Heat Map analysis: Import

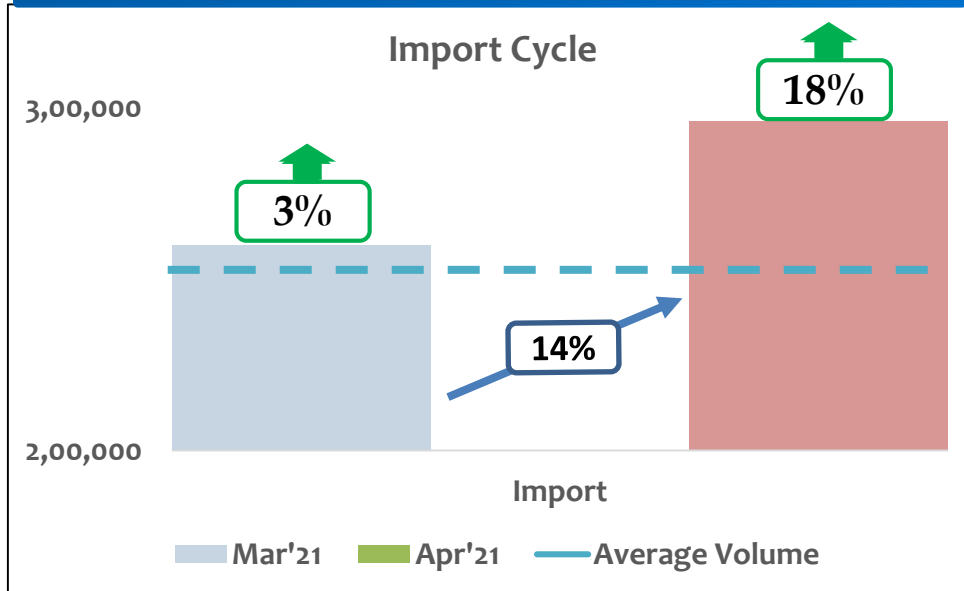
Below Heat Map depicts the Origin of containers in import cycle for India



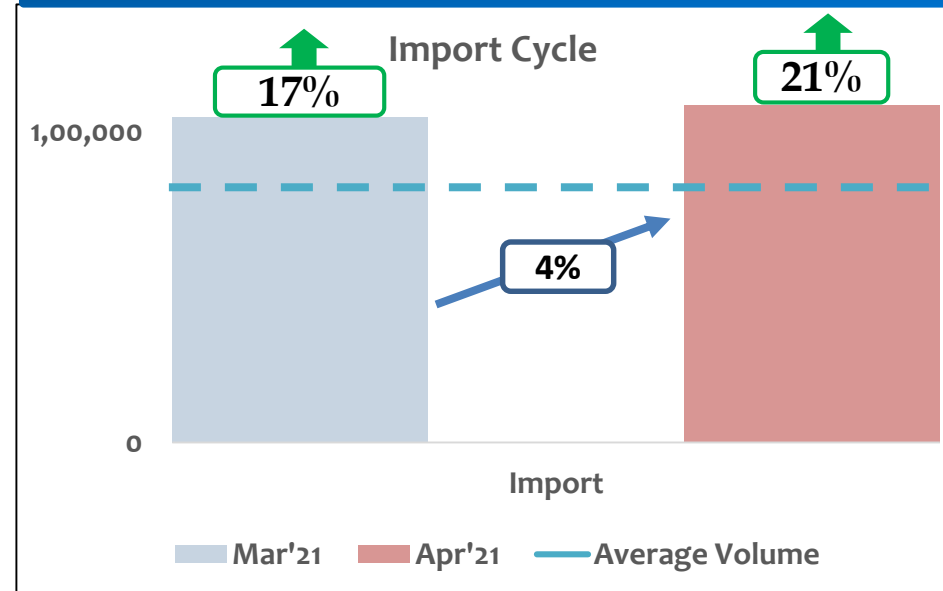
Month of Apr'21	
Import cycle Origin	Volume (in %)
Colombo	99.94%
Port Kelang	0.03%
Singapore Port	0.01%
Shanghai	0.01%
Others	0.01%

Below graphs depicts the change in volume percentage during the month of Apr'21 w.r.t the last month i.e., Mar'21 (during Covid 19) and the average EXIM corridor wise volume

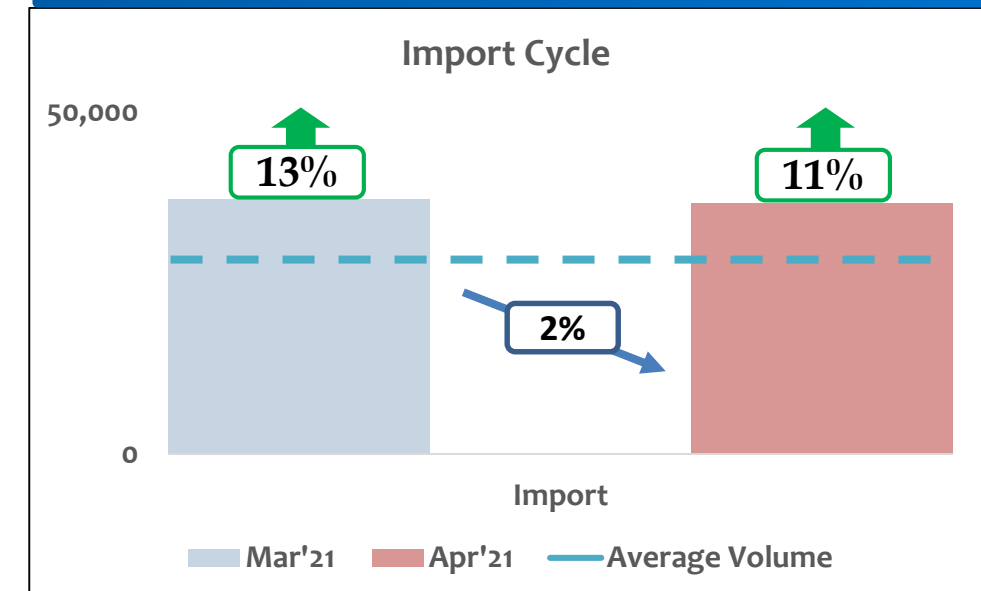
## Western Corridor



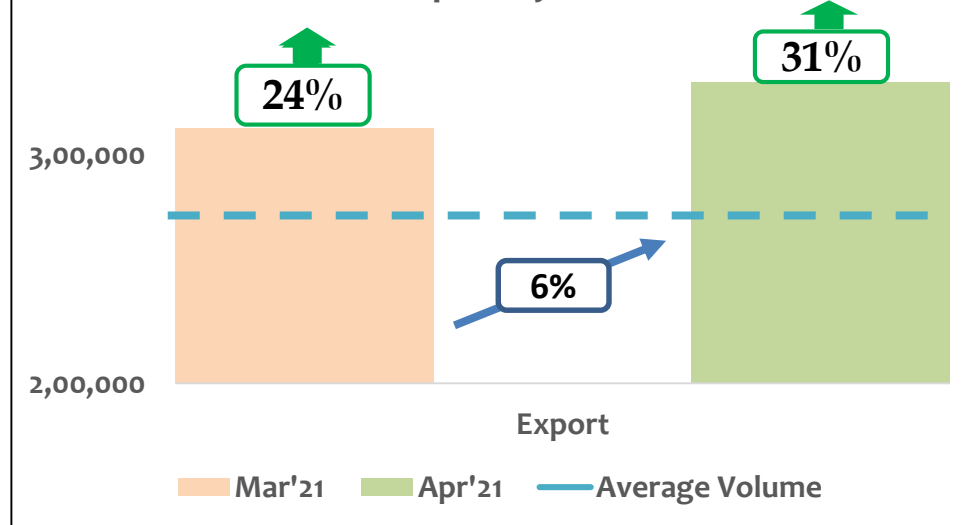
## Southern Corridor



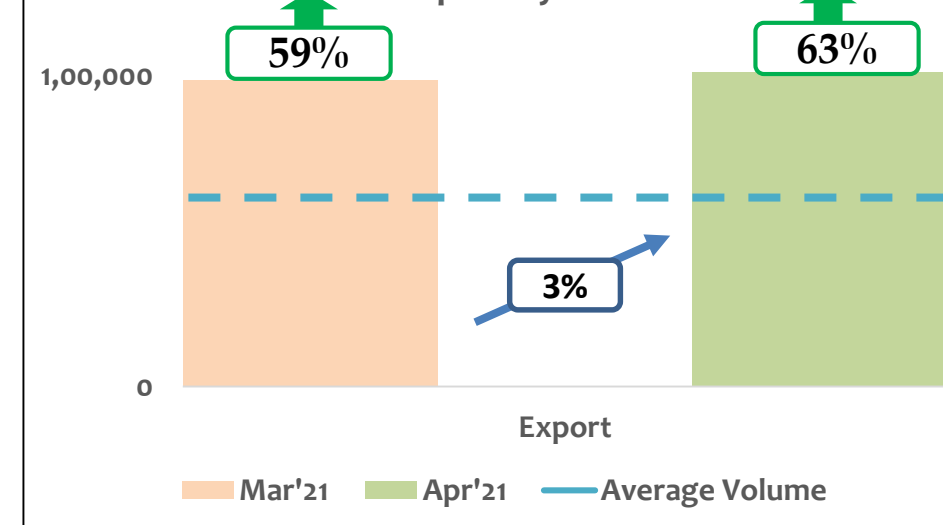
## Eastern Corridor



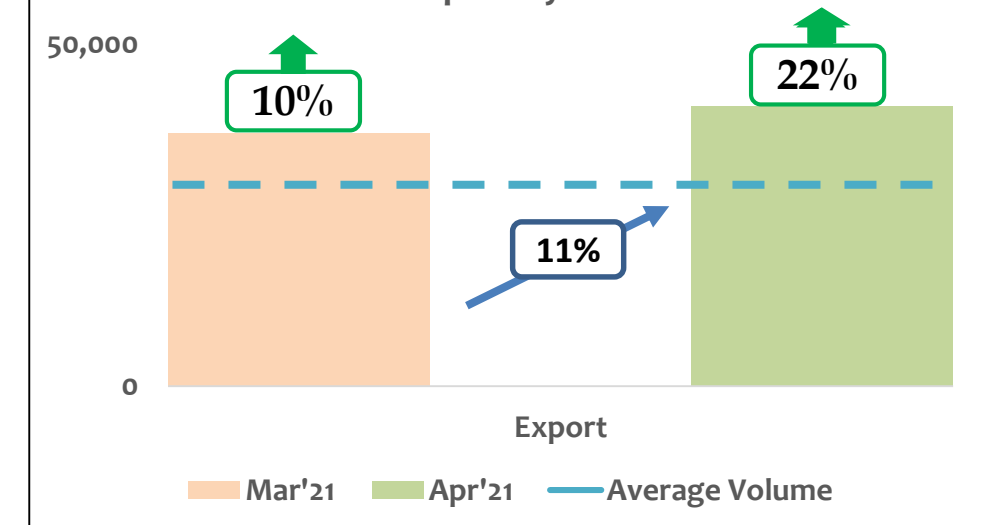
## Export Cycle



## Export Cycle



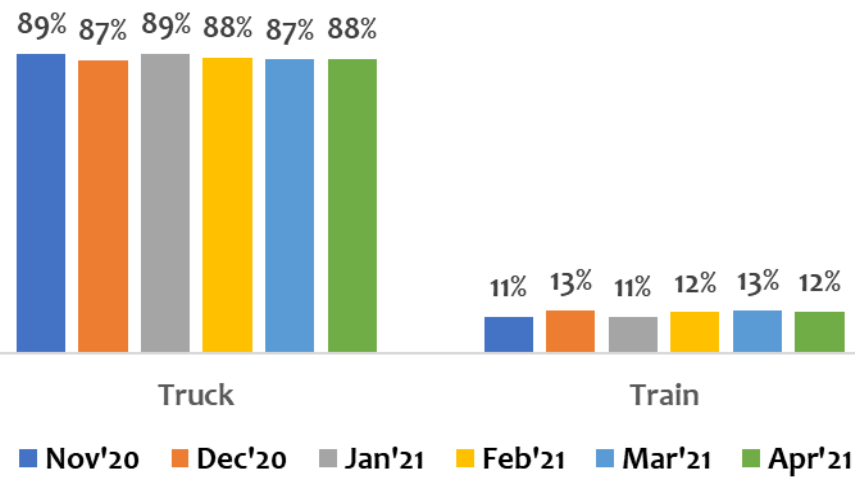
## Export Cycle



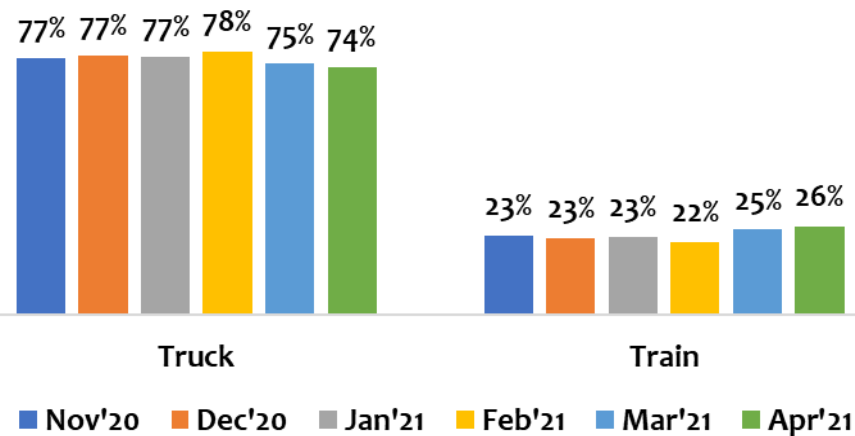
Below table depicts the volume % share of Truck & Train and impact of Covid-19 on the Traffic movements and the difficulty of road movements during the lockdown

## Western Corridor

### Import Cycle

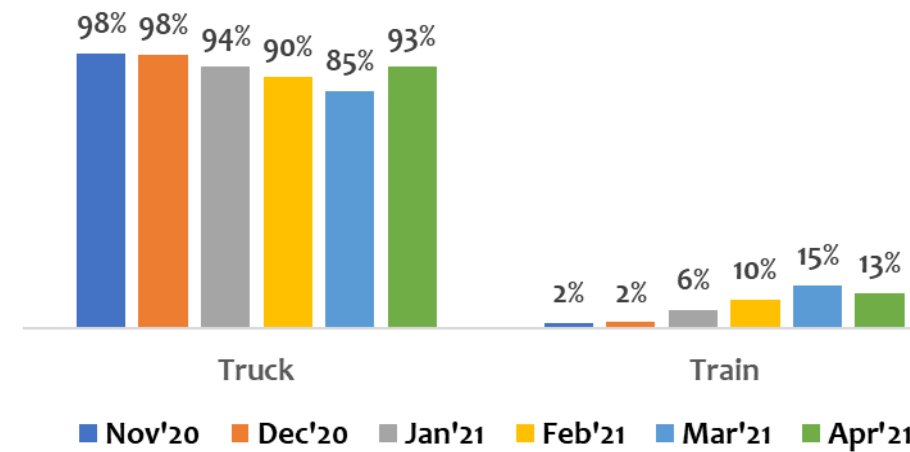


### Export Cycle

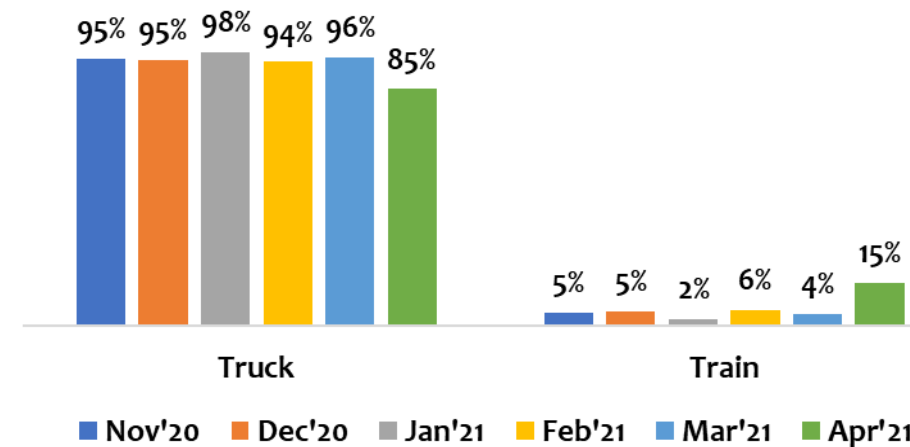


## Southern Corridor

### Import Cycle

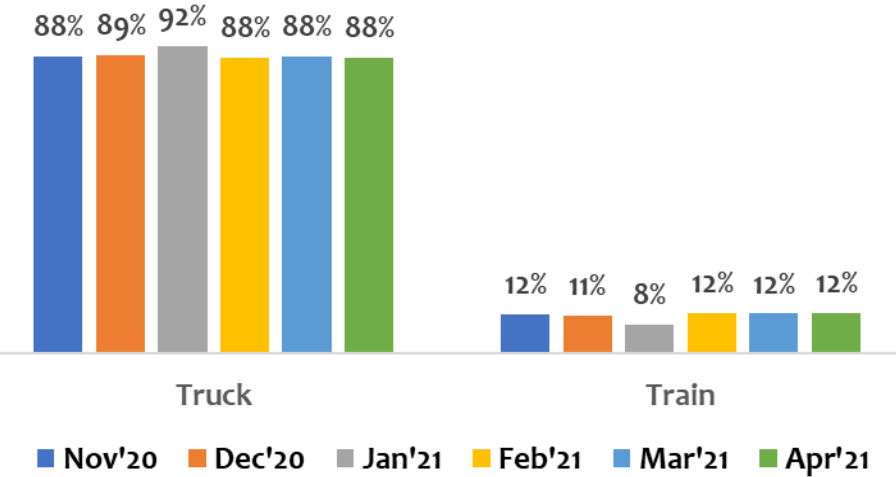


### Export Cycle

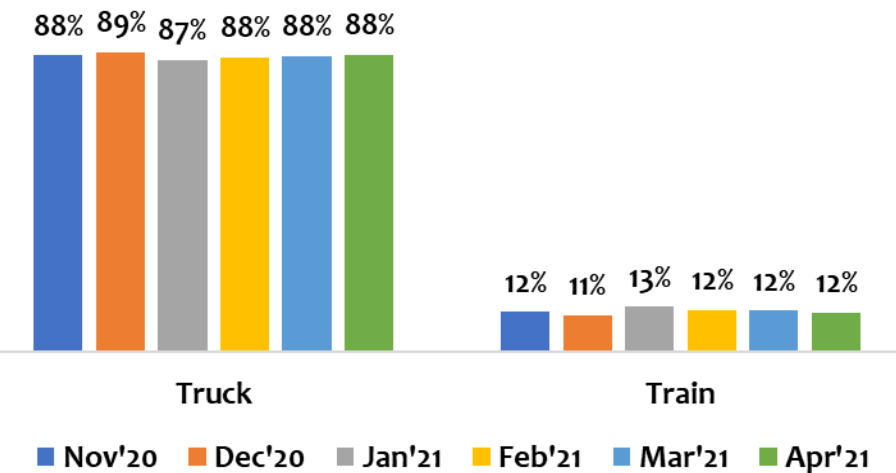


## Eastern Corridor

### Import Cycle



### Export Cycle

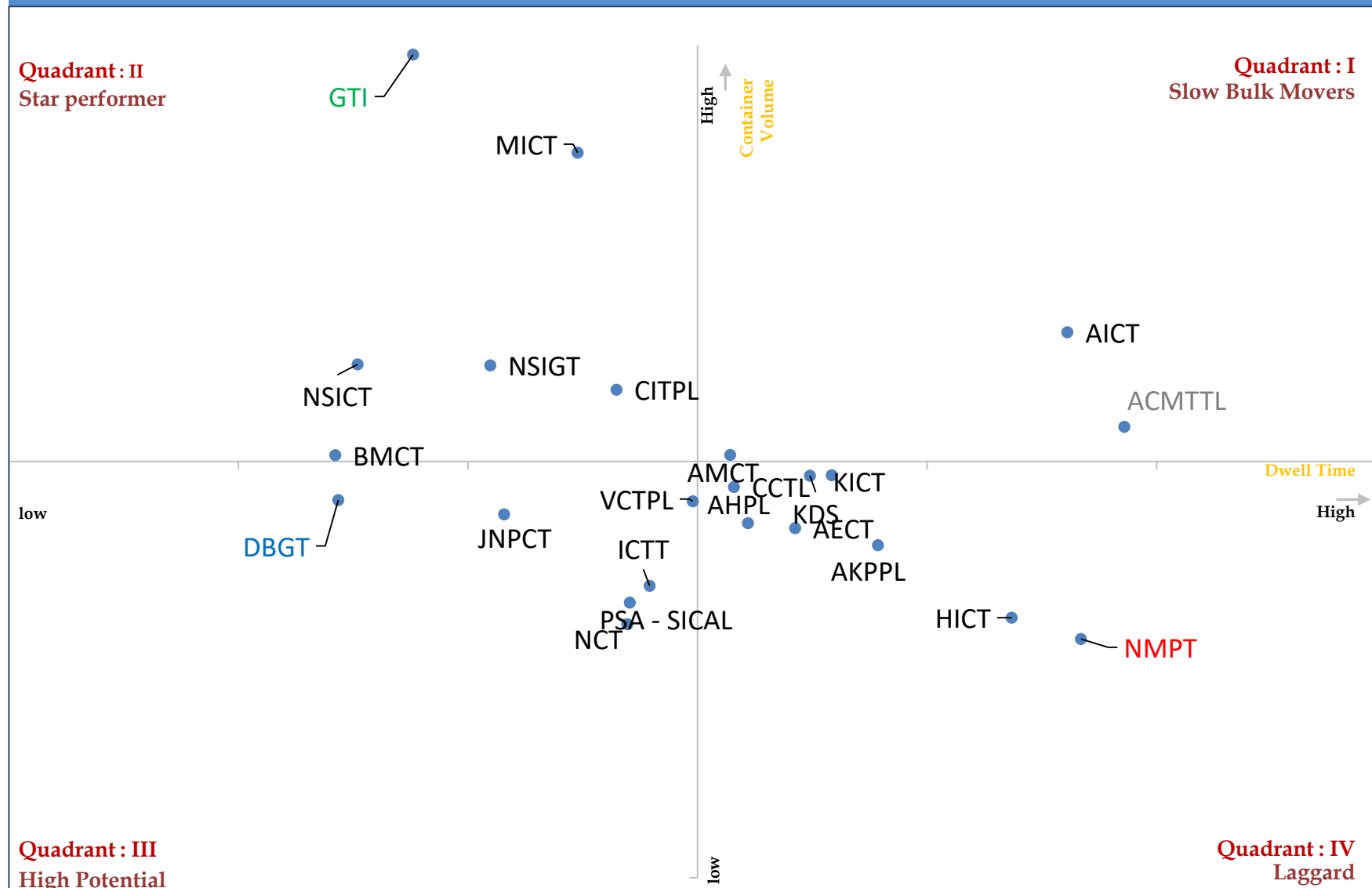




## Performance Benchmarking - Port Terminals

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


### Port Terminal Performance Index - Apr'21



Performance benchmarking for Port Terminals covered under LDB project for Apr'21


### Top Performing Terminal

#### Gateway Terminals India (GTI)

Mar'21	Apr'21
38.2 Hrs	37.7 Hrs. 

### Low Performing Terminal

#### New Mangalore Port Trust (NMPT)

Mar'21	Apr'21
108.6 Hrs	103.9 Hrs 

Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

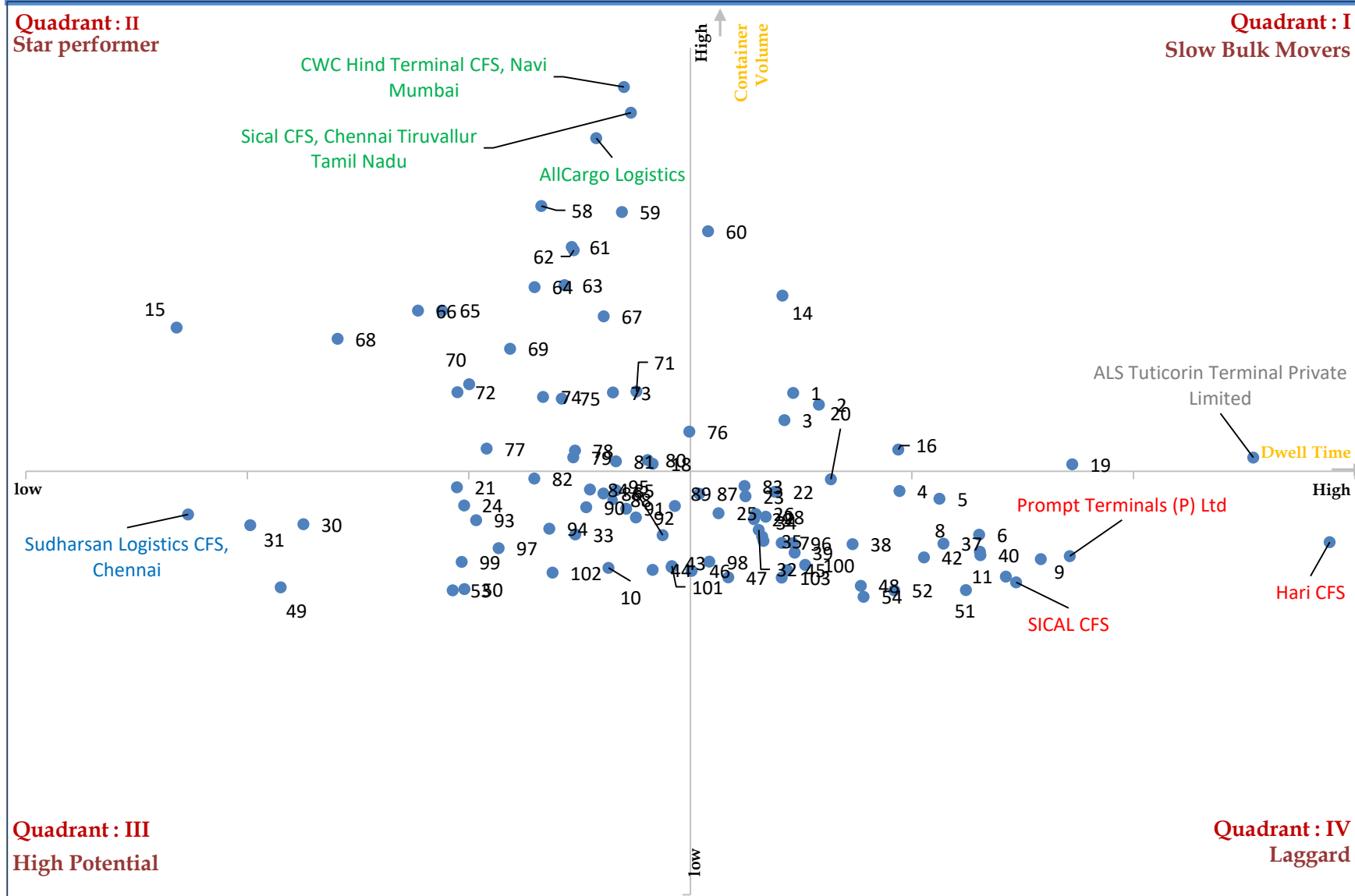
**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time



## Performance Benchmarking - CFSs

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

### CFS Terminal Performance Index - Apr'21



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

#### Top Three Performing CFSs

CFS Name	Mar'21	Apr'21
CWC Hind Terminal CFS, Navi Mumbai	100.6 hrs	99.0 hrs ↑
Sical CFS, Chennai Tiruvallur Tamil Nadu	99.2 hrs	99.9 hrs ↓
All Cargo Logistics	84.7 hrs	95.3 hrs ↓

#### Bottom Three Performing CFSs

CFS Name	Mar'21	Apr'21
Hari CFS	182.5 hrs	193.3 hrs ↓
Prompt Terminals (P) Ltd	152.9 hrs	158.6 hrs ↓
SICAL CFS	114.4 hrs	151.4 hrs ↓

Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time

## IMPORT

### Port Dwell Time

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	22.6	21.8
Truck	21.0	20.3
Train	42.7	41.0

## EXPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	98.1	95.7
Truck	95.2	92.5
Train	115.8	115.0

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



Inland  
Container  
Depot (ICD)



Container  
Freight  
Stations (CFS)

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	88.4	93.8
ICD	125.9	135.7

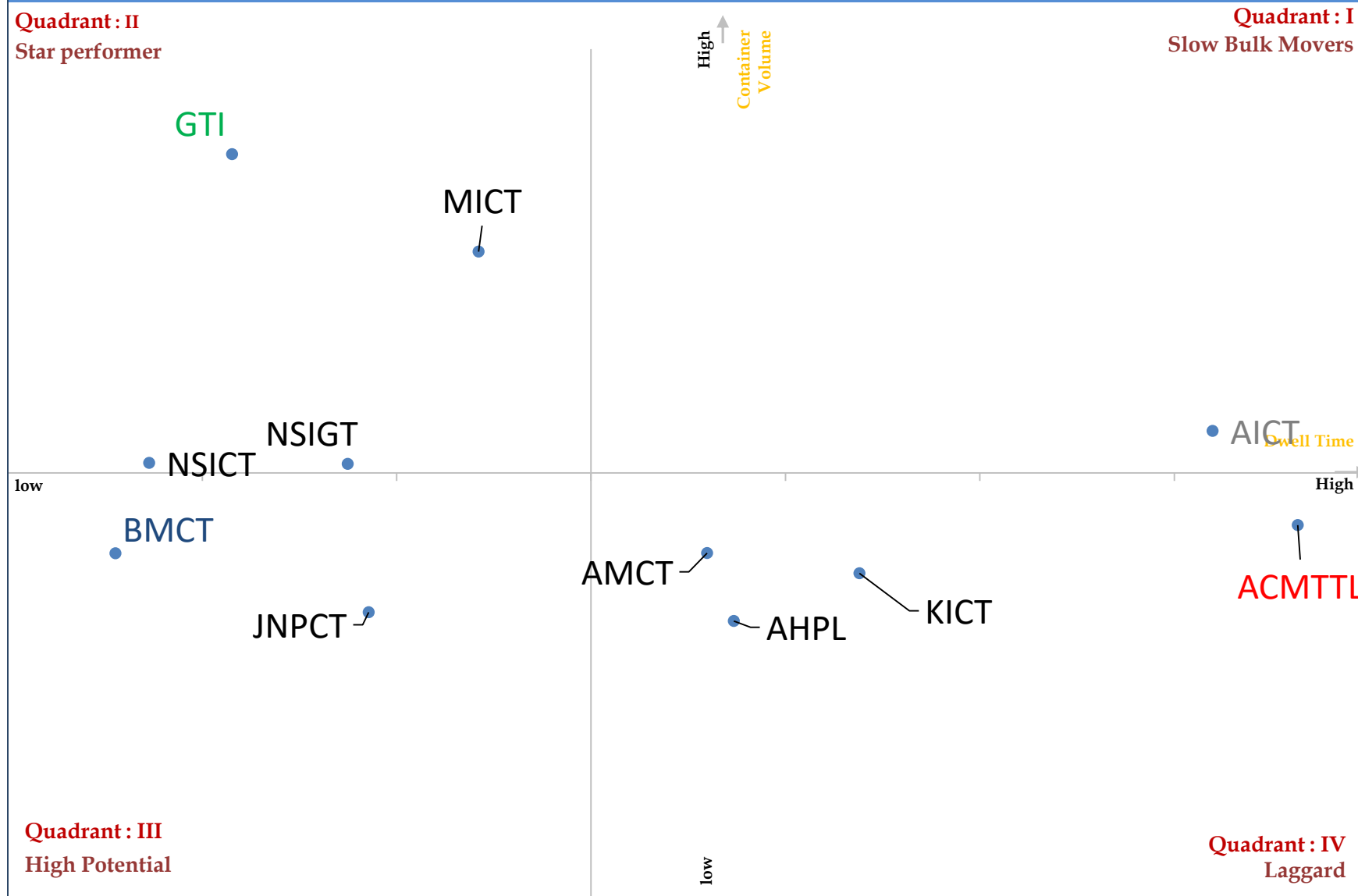
- The marked entries showcase increase in performance in comparison to Mar'21
- The marked entries showcase decrease in performance in comparison to Mar'21



## Performance Benchmarking - Port Terminals

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


### Port Terminal Performance Index - Apr'21



Performance benchmarking for Port Terminals covered under LDB project for Apr'21


#### Top Performing Terminal

##### Gateway Terminals India (GTI)

Mar'21	Apr'21
38.2 Hrs	37.7 Hrs. 

#### Low Performing Terminal

##### Adani CMA Mundra Terminal (ACMTTL)

Mar'21	Apr'21
120.1 Hrs	108.2 Hrs 

Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time

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



CFS



Performance Benchmarking



ICD

## Top Performing CFS

Adani CFS Eximyard, Mundra

Mar'21

56.5 hrs

Apr'21

60.6 hrs



## Low Performing CFS

A V Joshi CFS

Mar'21

122.7 hrs.

Apr'21

123.2 hrs



Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders as compared to Mar'21

## Performance Index: Western Corridor CFS



## Top Performing ICD

Albatross Inland Ports ICD, Dadri

Mar'21

103.9 hrs

Apr'21

112.1 hrs



## Low Performing ICD

Gateway Rail Freight ICD, Gurgaon

Mar'21

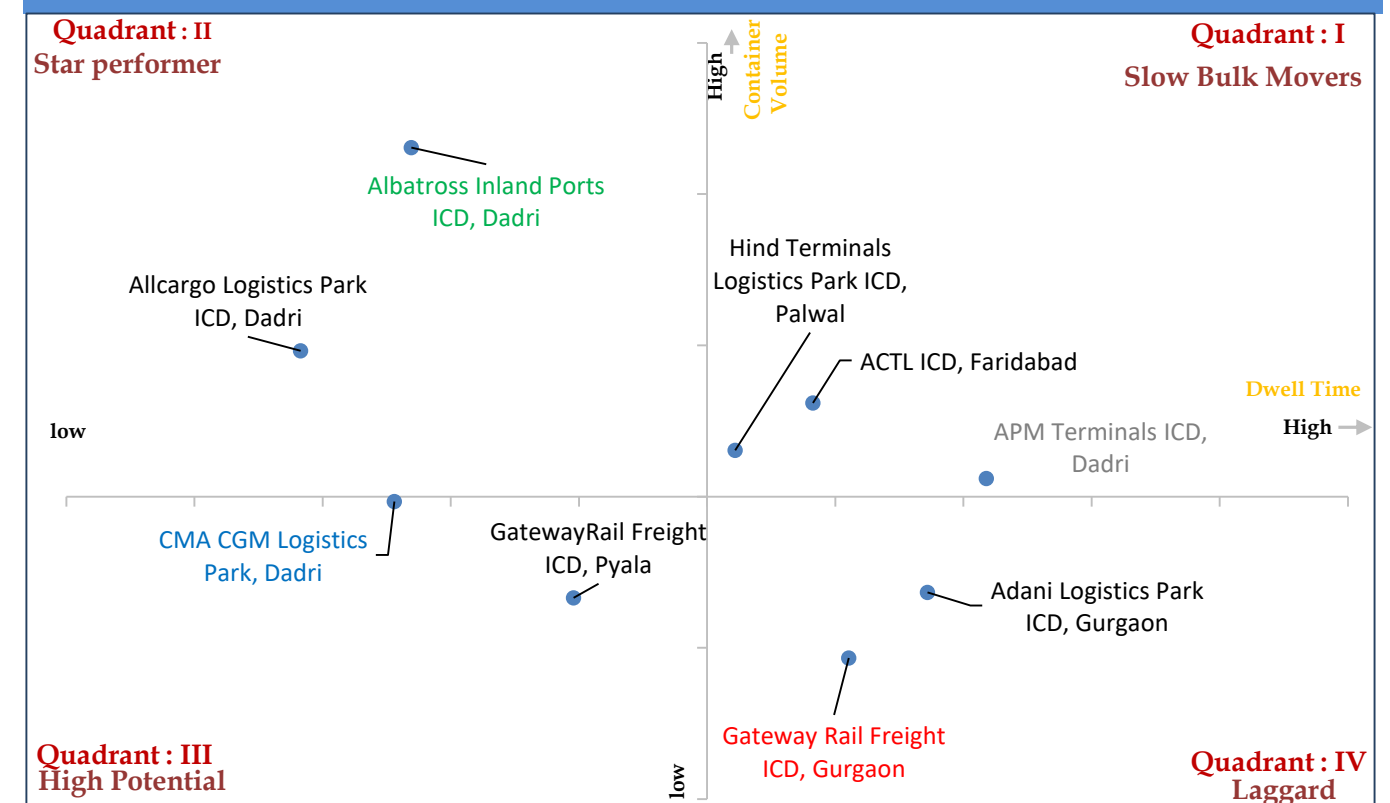
130.5 hrs

Apr'21

142.0 hrs



## Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

## Port Dwell Time

IMPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	55.8	44.8
Truck	54.7	44.2

EXPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	77.2	76.6
Truck	76.9	73.3
Train	88.2	98.3

## Container Freight Stations(CFS)- Dwell Time



Container  
Freight  
Stations

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	101.1	109.1

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

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

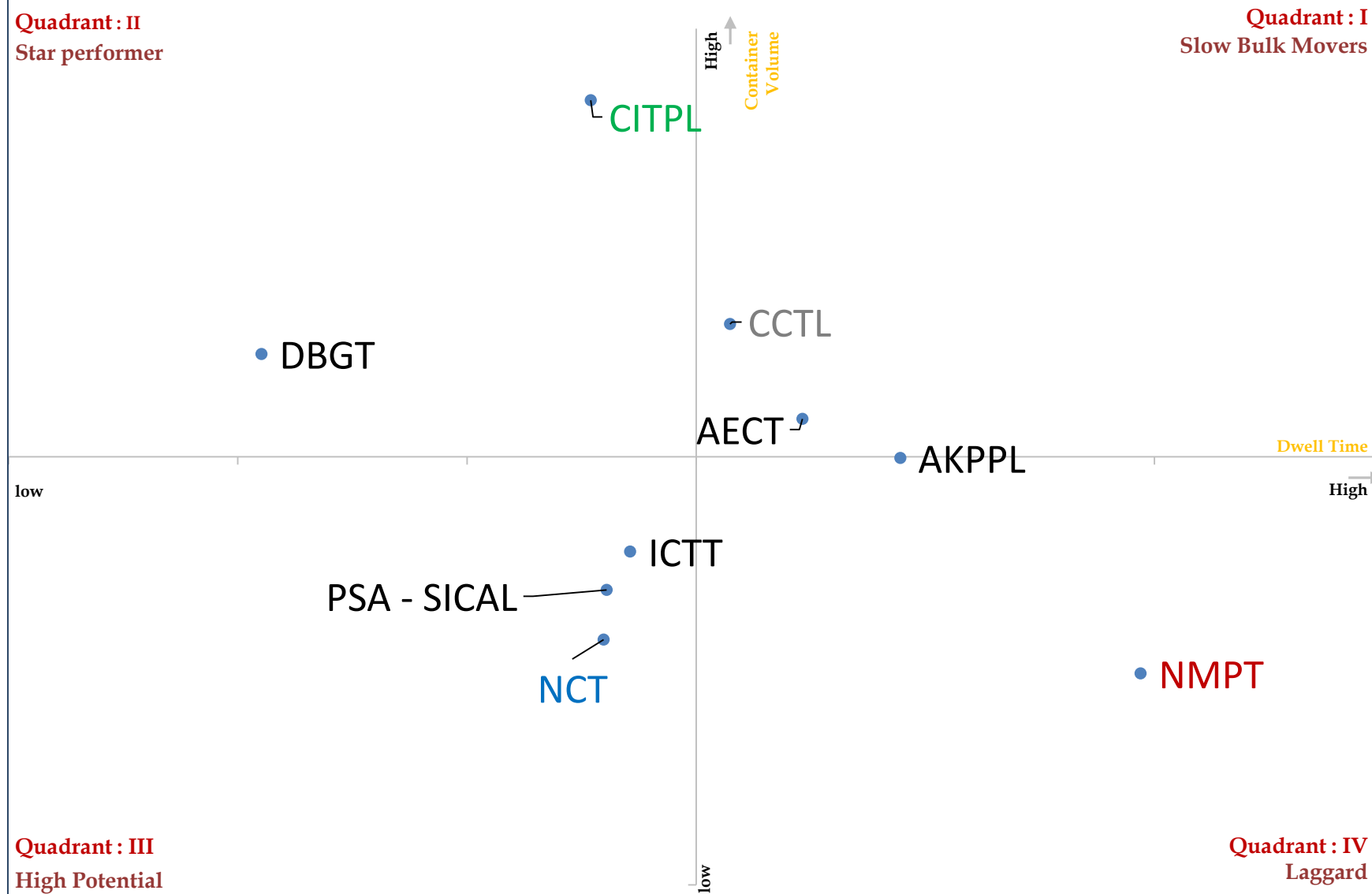




## Performance Benchmarking - Port Terminals

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

### Southern Corridor Port Terminal Performance Index - Apr'21



Performance benchmarking for Port Terminals covered under LDB project for Apr'21

#### Top Performing Terminal

##### Chennai International Terminals Pvt Ltd (CITPL)

Mar'21	Apr'21
70.5 hrs	57.9 hrs



#### Low Performing Terminal

##### New Mangalore Port Trust Terminal

Mar'21	Apr'21
108.6 hrs	103.9 hrs



Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

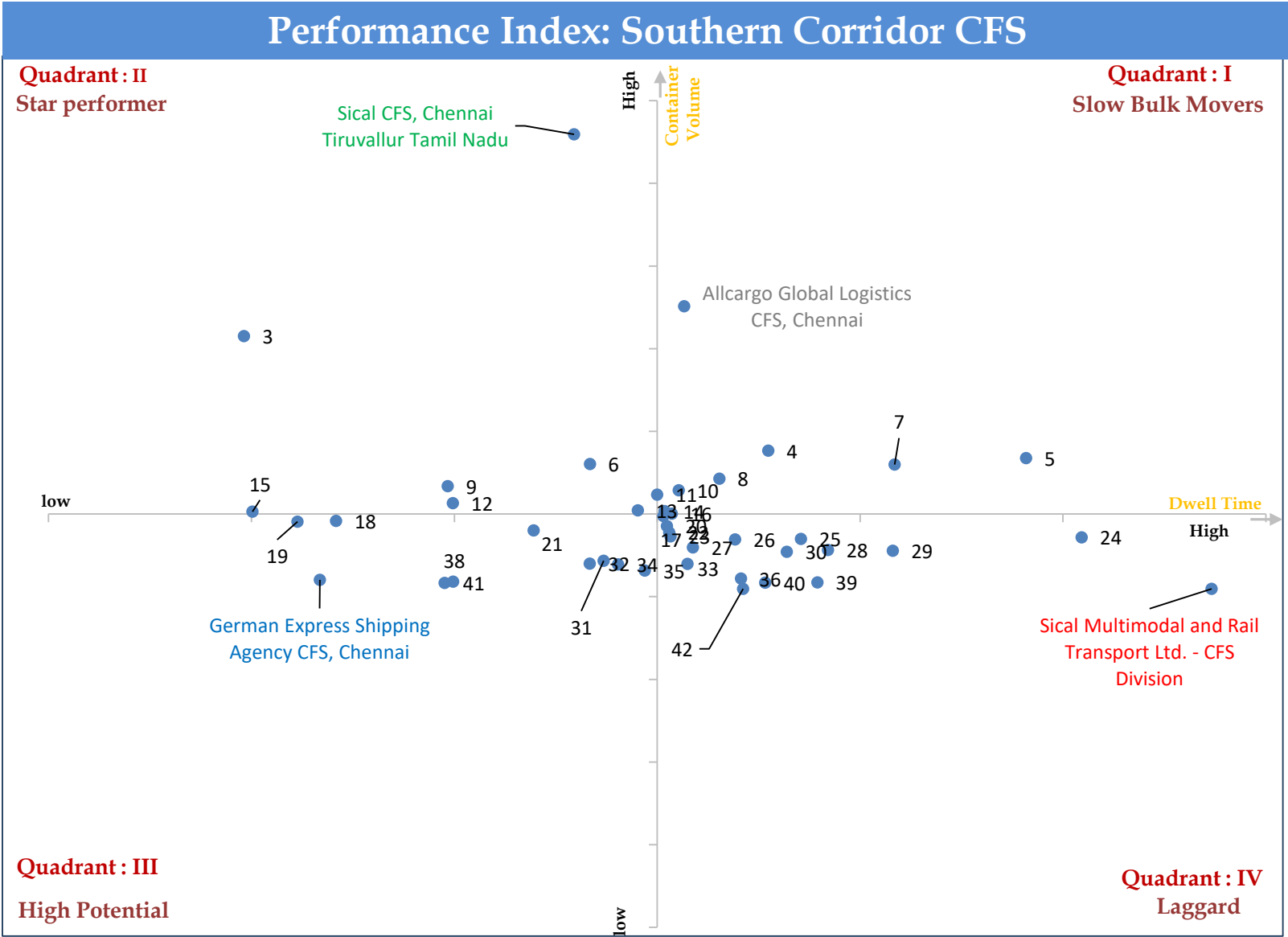
**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time



## Performance Benchmarking - CFS



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

### Top Performing Terminal

**Sical CFS, Chennai Tiruvallur Tamil Nadu**

Mar'21

Apr'21

99.2 hrs

99.9 hrs



### Low Performing Terminal

**Sical Multimodal and Rail Transport Ltd.-CFS Division**

Mar'21

Apr'21

130.0 hrs

217.3 hrs



Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time

## Port Dwell Time

IMPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	48.3	50.8
Truck	42.6	43.4
Train	147.1	153.3

EXPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	123.7	101.5
Truck	121.0	98.1
Train	149.5	135.0

## Container Freight Stations(CFS)- Dwell Time



Container  
Freight  
Stations

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	118.0	130.3

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

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

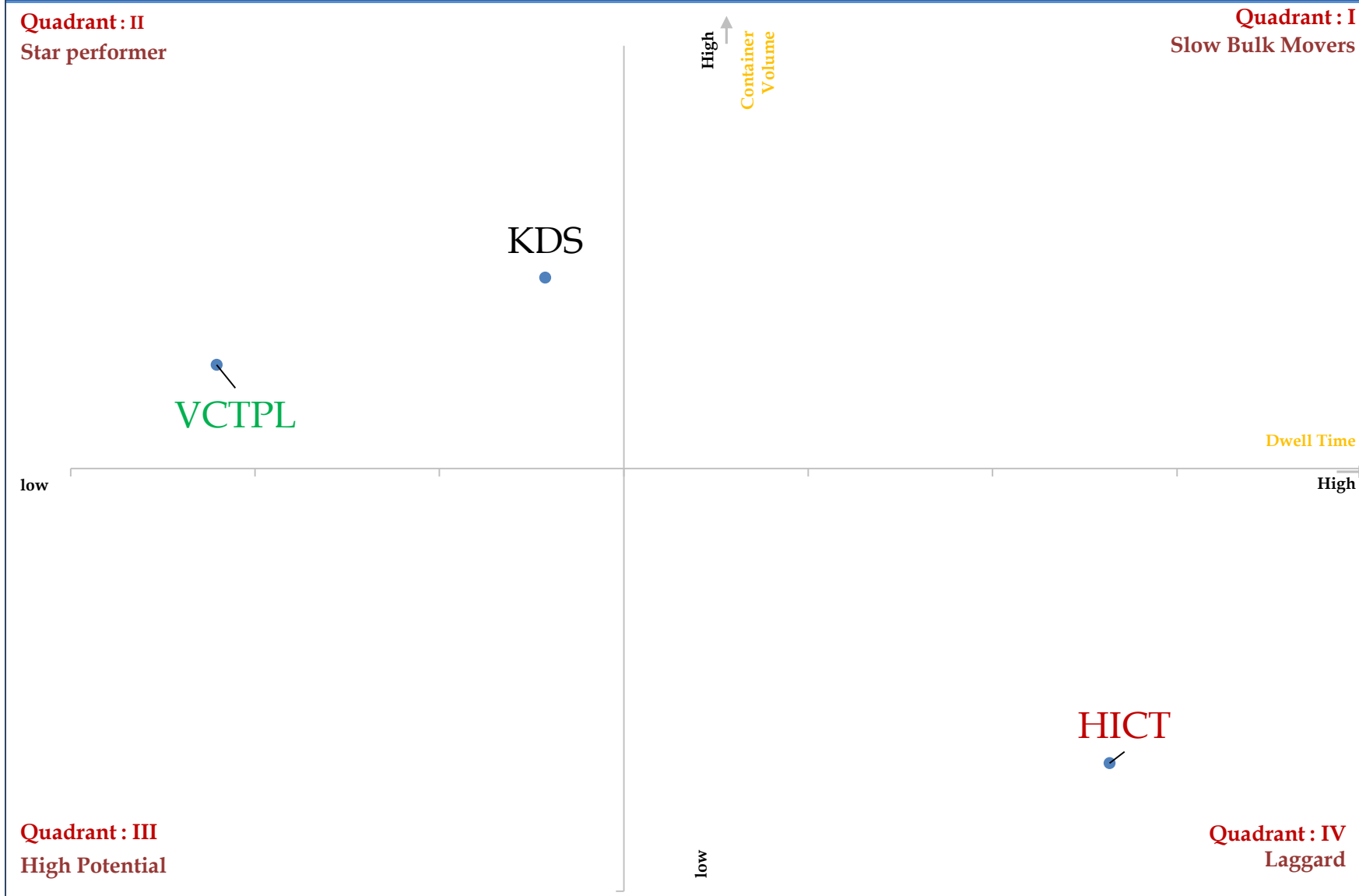




## Performance Benchmarking - Port Terminals

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

### Port Terminal Performance Index - Apr'21



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

#### Top Performing Terminal

##### Visakha Container Terminal (VCTPL)

Mar'21	Apr'21
76.3 hrs	65.4 hrs



#### Low Performing Terminal

##### Haldia International Container Terminal (HICT)

Mar'21	Apr'21
117.4 hrs	97.0 hrs



Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

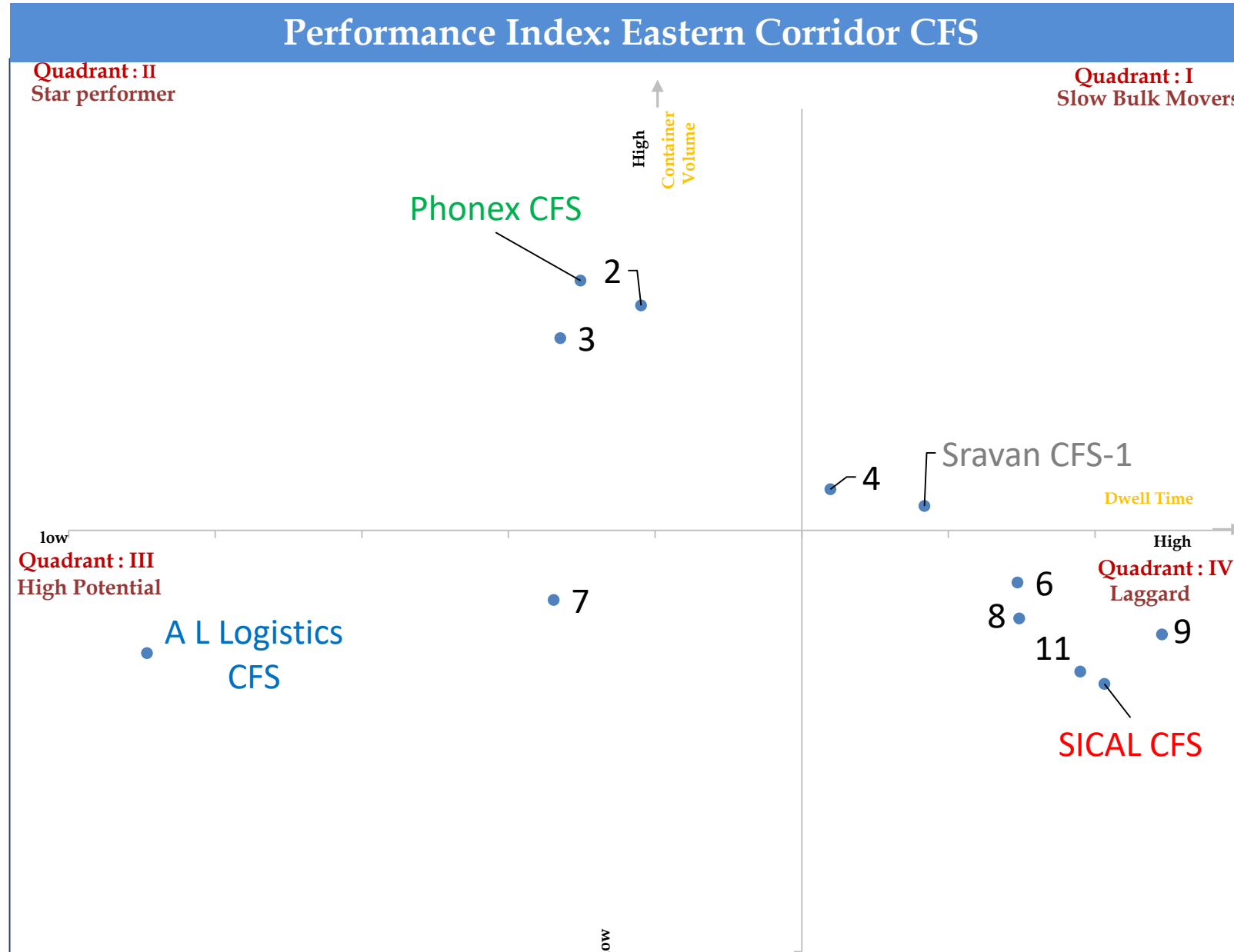
**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time



## Performance Benchmarking - CFS



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

### Top Performing Terminal

#### Phonex CFS

Mar'21

103.1 hrs

Apr'21

121.6 hrs



### Low Performing Terminal

#### Sical CFS

Mar'21

114.4 hrs

Apr'21

151.4 hrs



Note: The performance benchmarking is based on performance index



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

**Star Performer:** consist of entities which have catered relatively high container volume in lower dwell time

**Slow Bulk Movers :** consist of entities which have catered higher container volume at higher dwell time

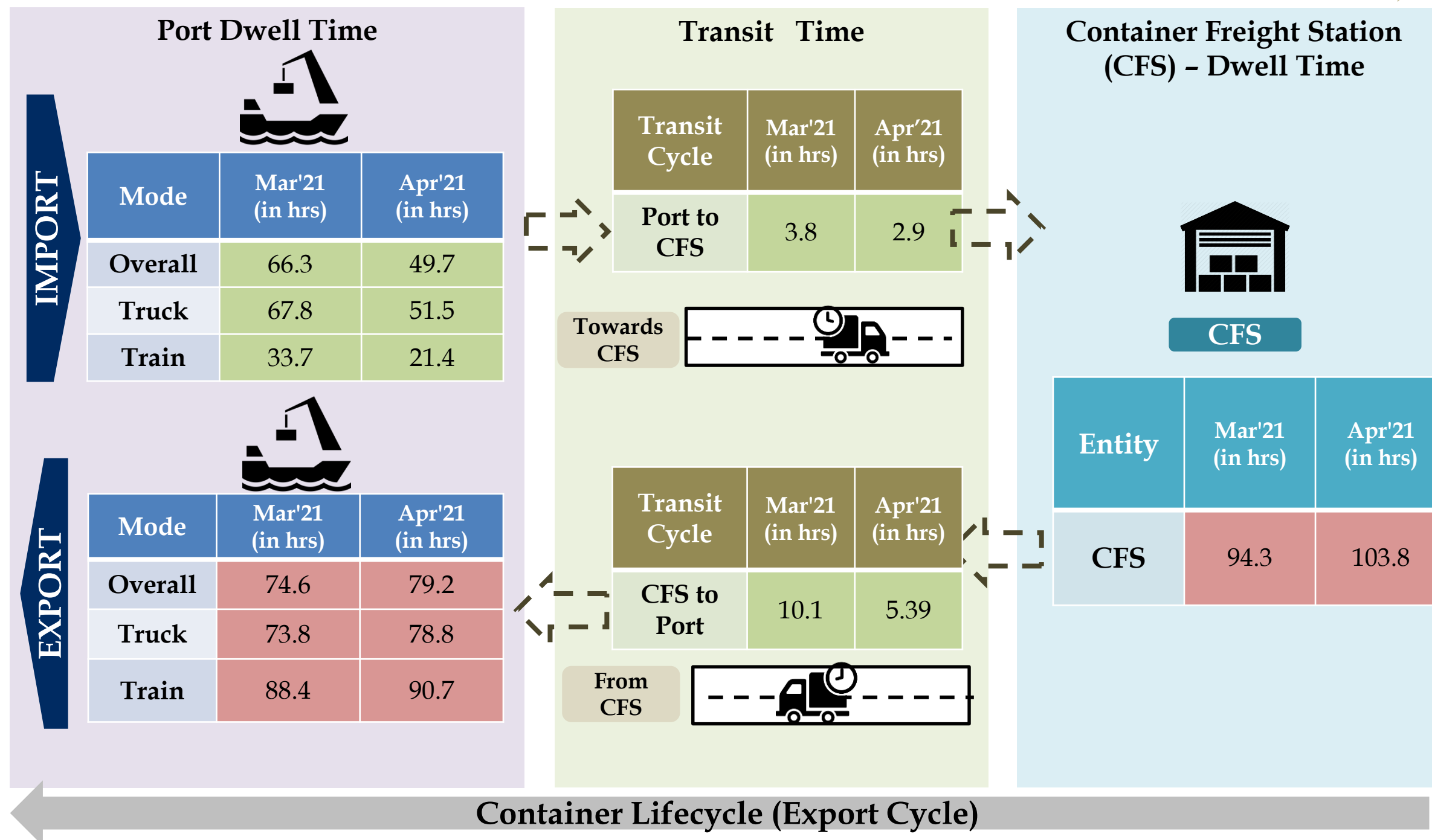
**High Potential :** consist of entities which have catered relatively lower container volume in lower dwell time

**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time

# Annexure

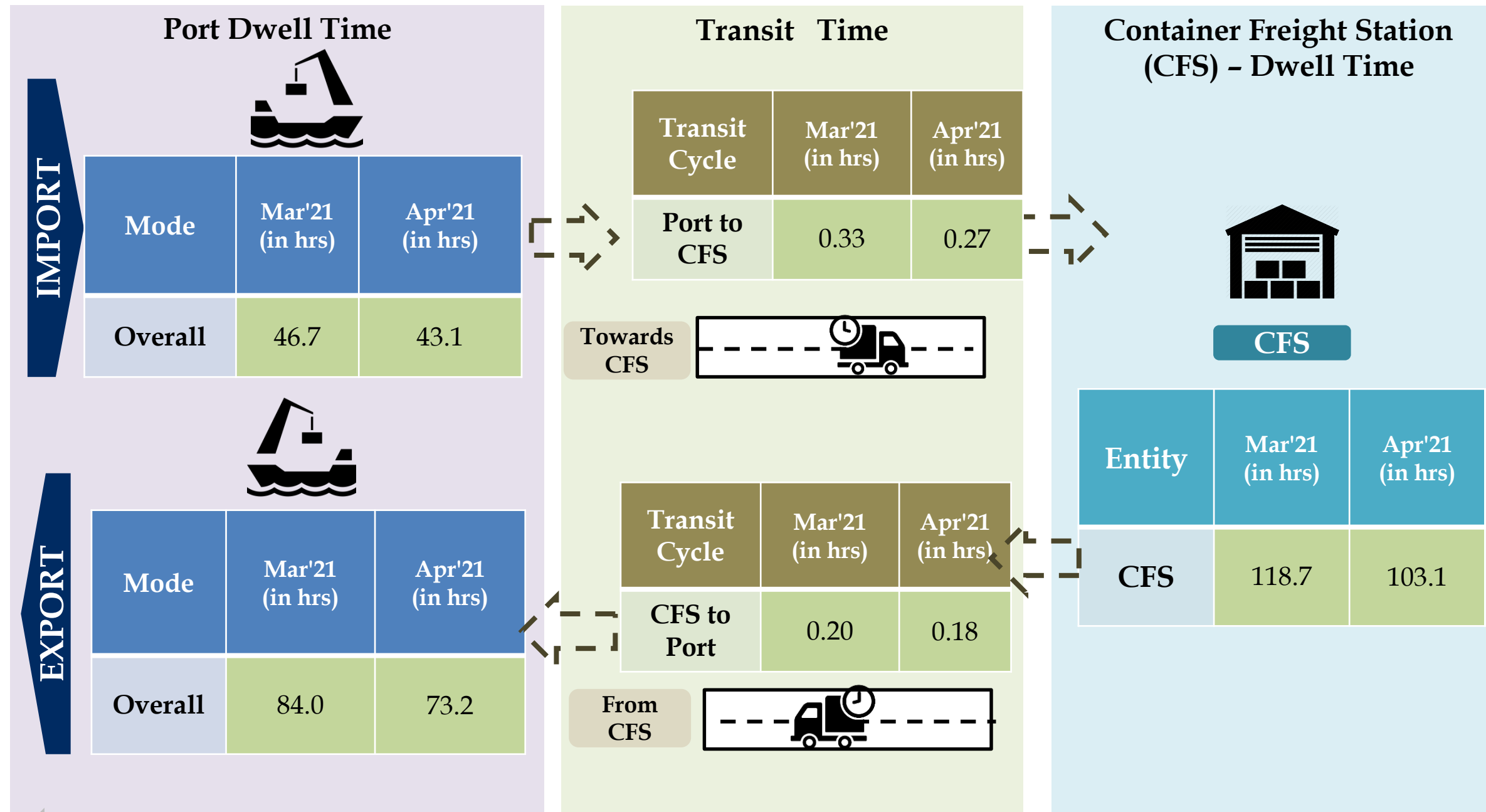
# Individual Terminal Performance In Southern Corridor

## Container Lifecycle (Import Cycle)



# Kochi Port Terminal: Container Transportation

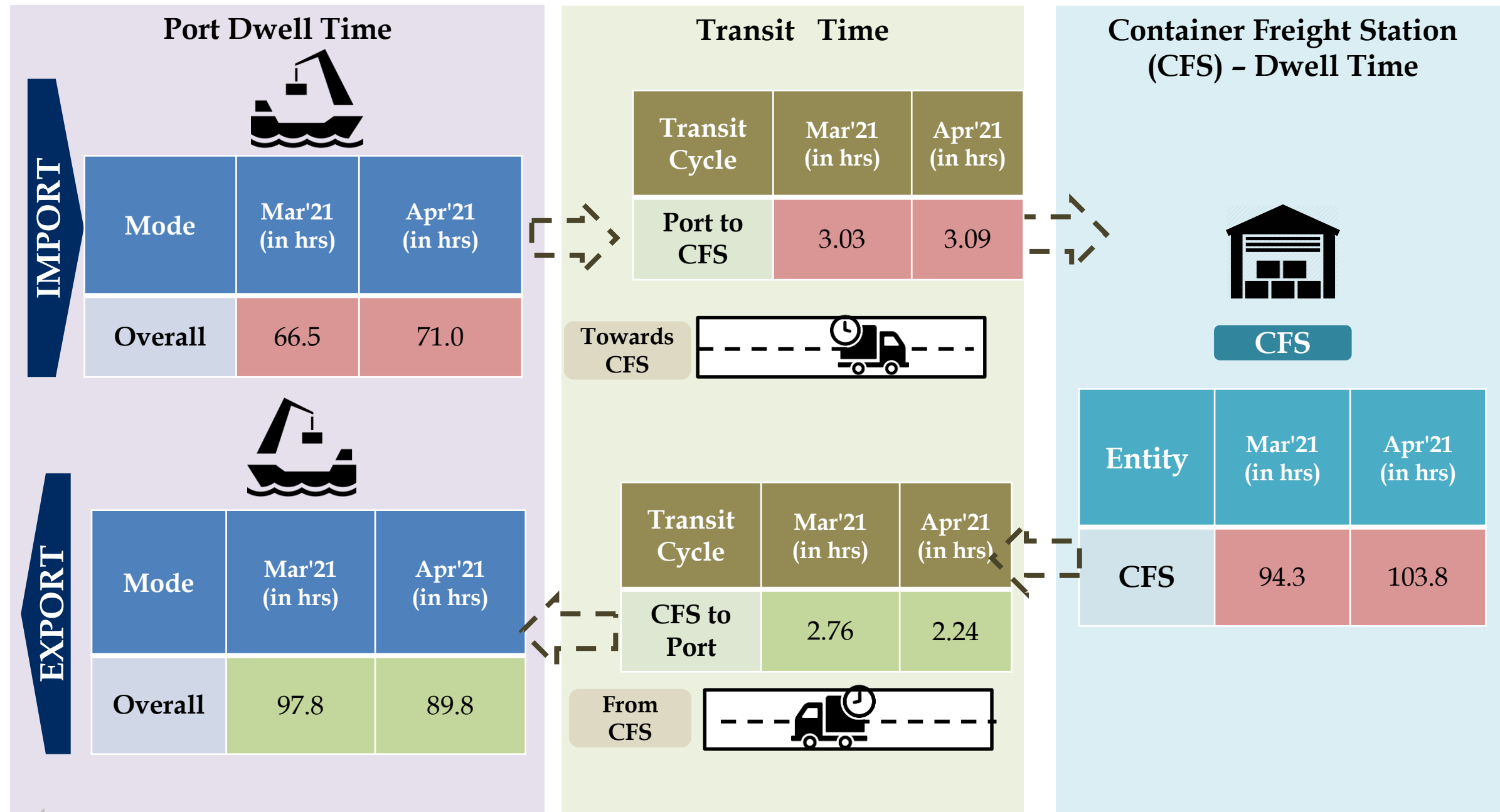
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Kattupalli Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

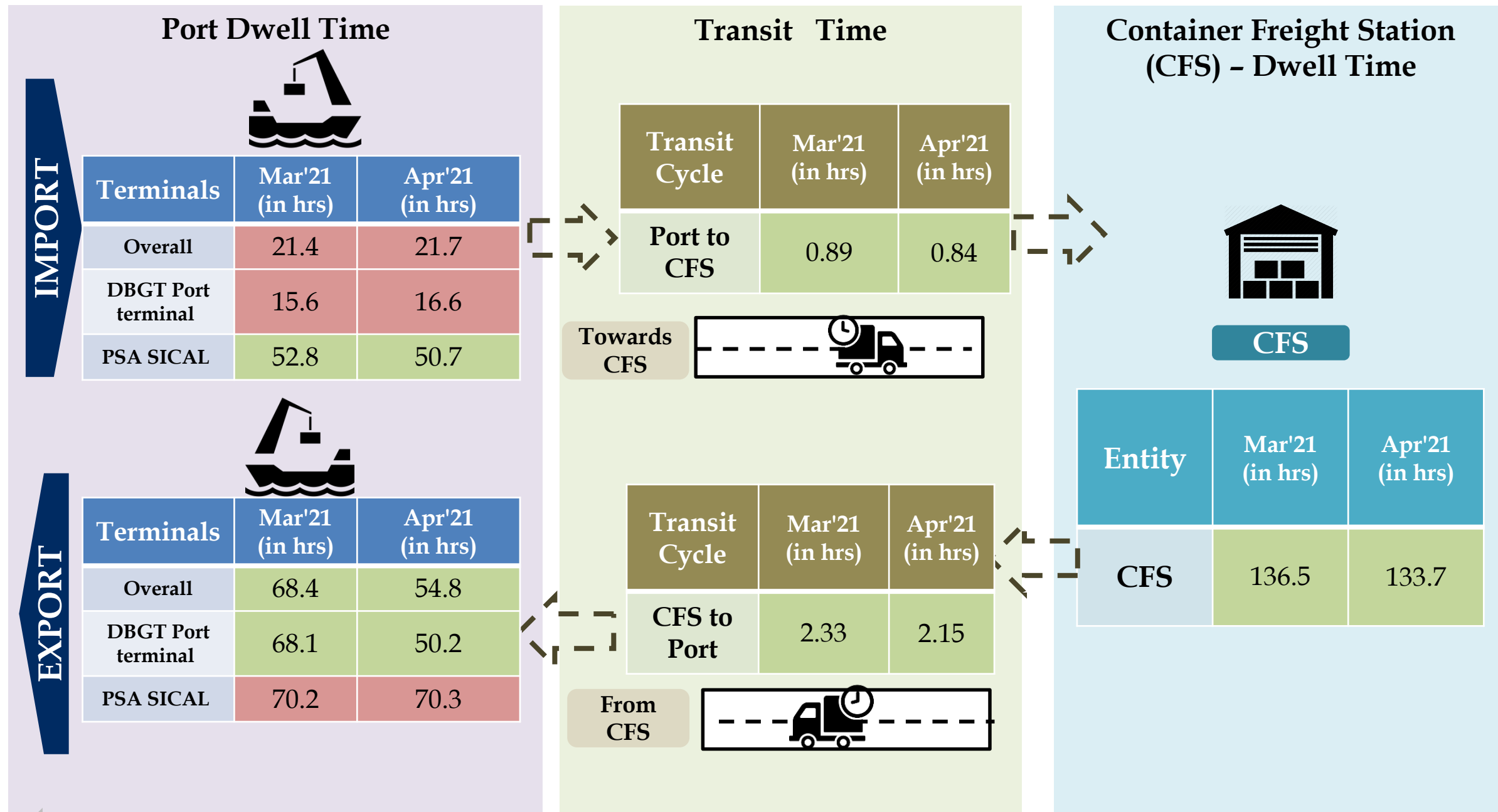


## Container Lifecycle (Export Cycle)



# Tuticorin Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



The marked entries showcase the increase in performance as compared to Mar'21

The marked entries showcase the decrease in performance as compared to Mar'21

## Container Lifecycle (Export Cycle)



# Krishnapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

### Port Dwell Time\*



Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	65.9	50.5

### Container Freight Station (CFS) - Dwell Time



#### CFS

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	99.6	117.8

The marked entries showcase the increase in performance as compared to Mar'21

The marked entries showcase the decrease in performance as compared to Mar'21

### Cargo Dwell Time



#### Port

Port Cargo Dwell time	Mar'21 (in hrs)	Apr'21 (in hrs)
Import	67.0	50.8
Export	57.9	77.6

Cargo Clearance time is calculated on the basis of Container In Time and Cargo out time for Import Cycle whereas for Export Cycle it is been calculated on the basis of Cargo In time and Container Out time

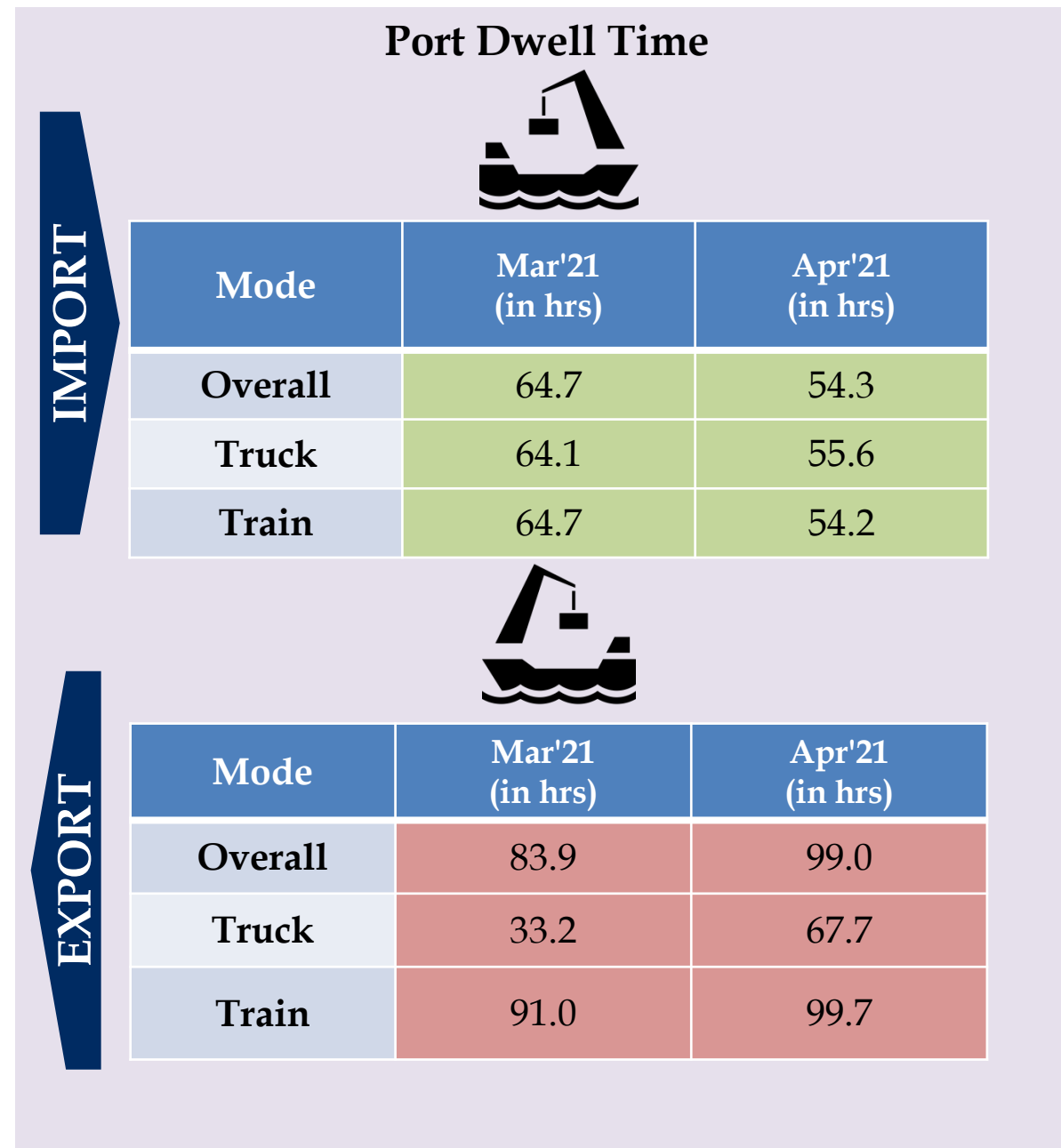
## Container Lifecycle (Export Cycle)

IMPORT

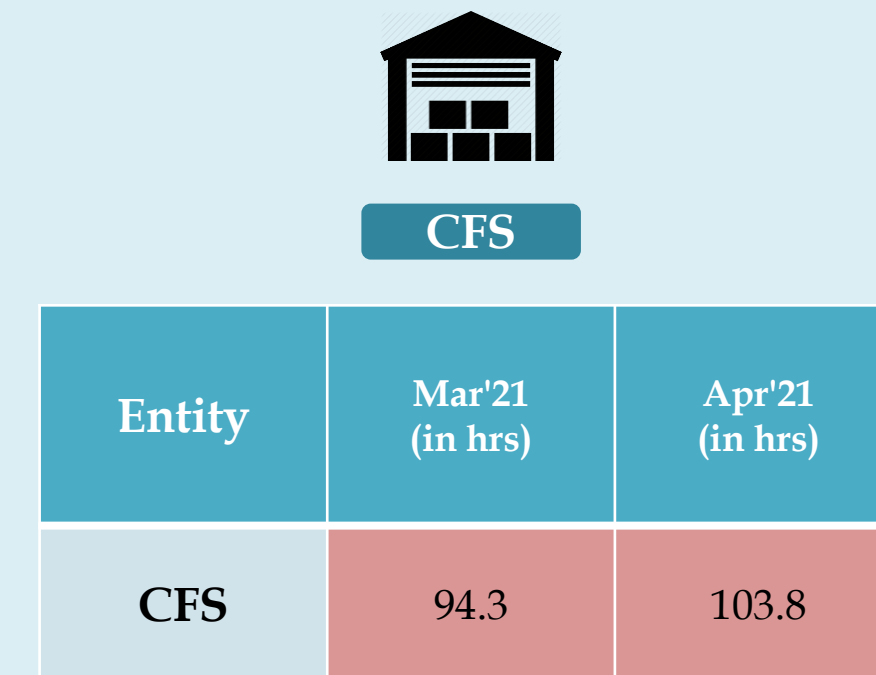
EXPORT

★ Port dwell time reflects the time container has spent in the vicinity which is calculated on the basis of Port out time and Port in Time of container

## Container Lifecycle (Import Cycle)



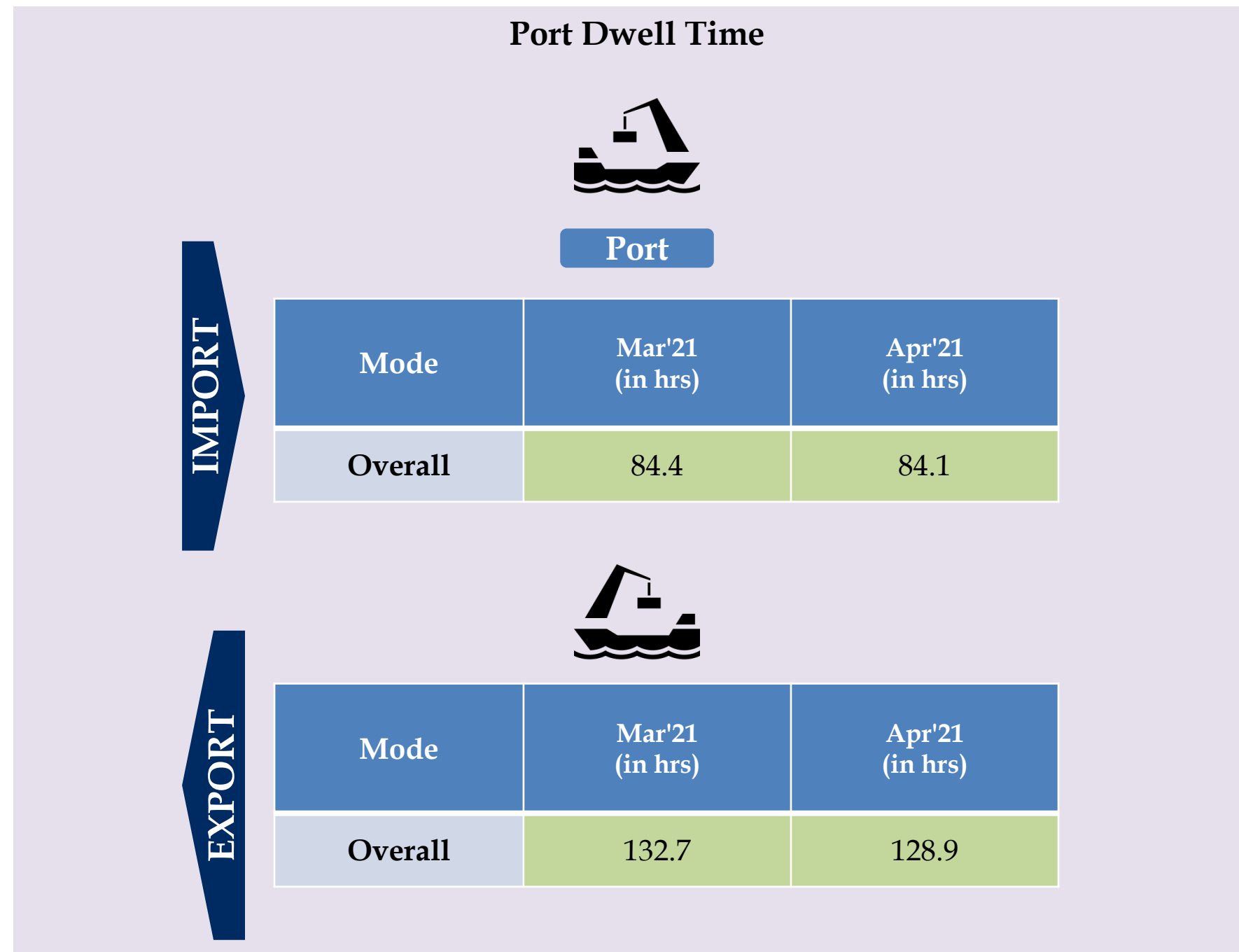
## Container Freight Station (CFS) - Dwell Time





The marked entries showcase the increase in performance as compared to Mar'21

The marked entries showcase the decrease in performance as compared to Mar'21

## Container Lifecycle (Export Cycle)



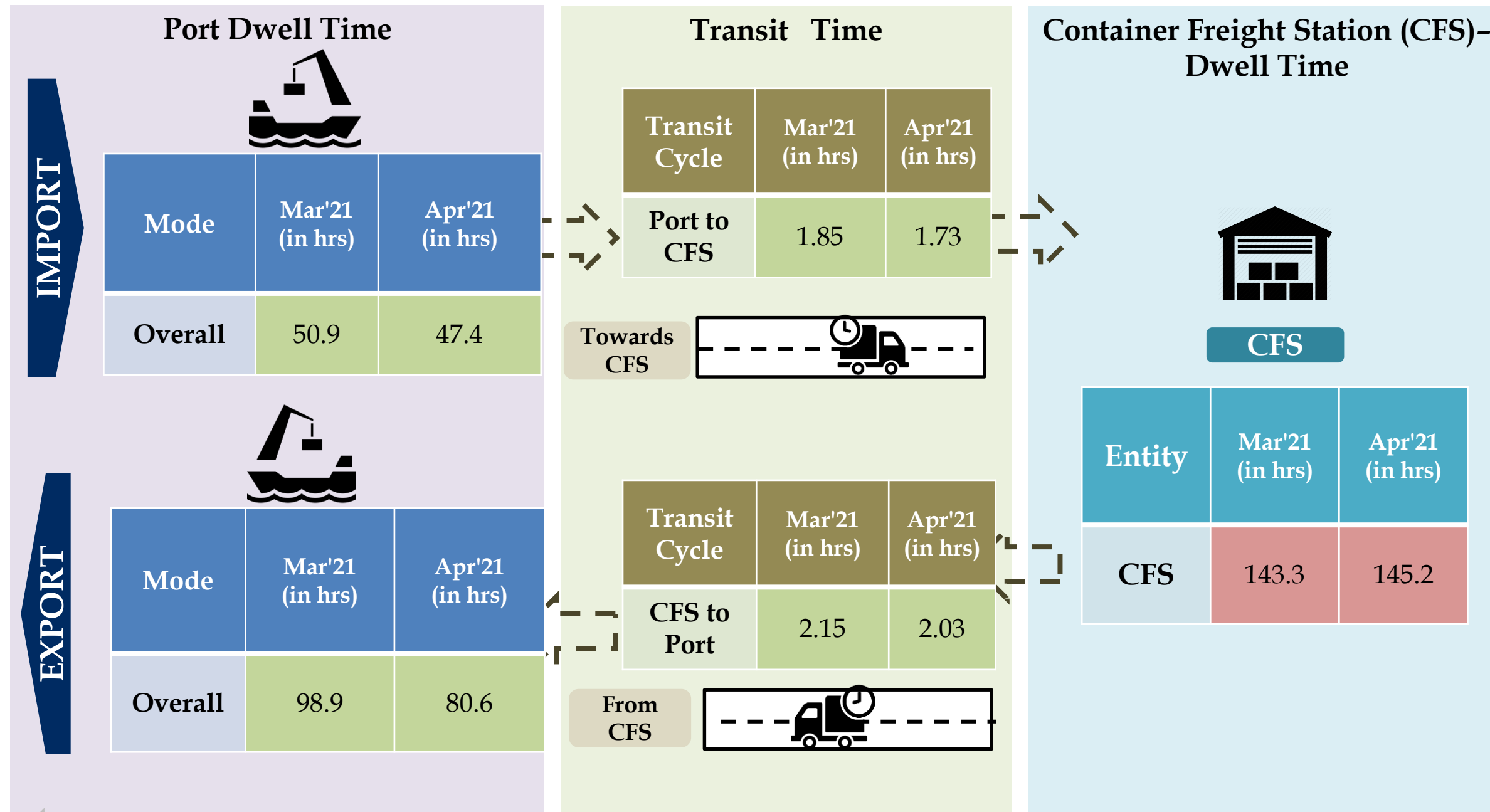
 The marked entries showcase the increase in performance as compared to Mar'21

 The marked entries showcase the decrease in performance as compared to Mar'21

# Individual Terminal Performance In Eastern Corridor

# Vishakhapatnam Port Terminal: Container Transportation

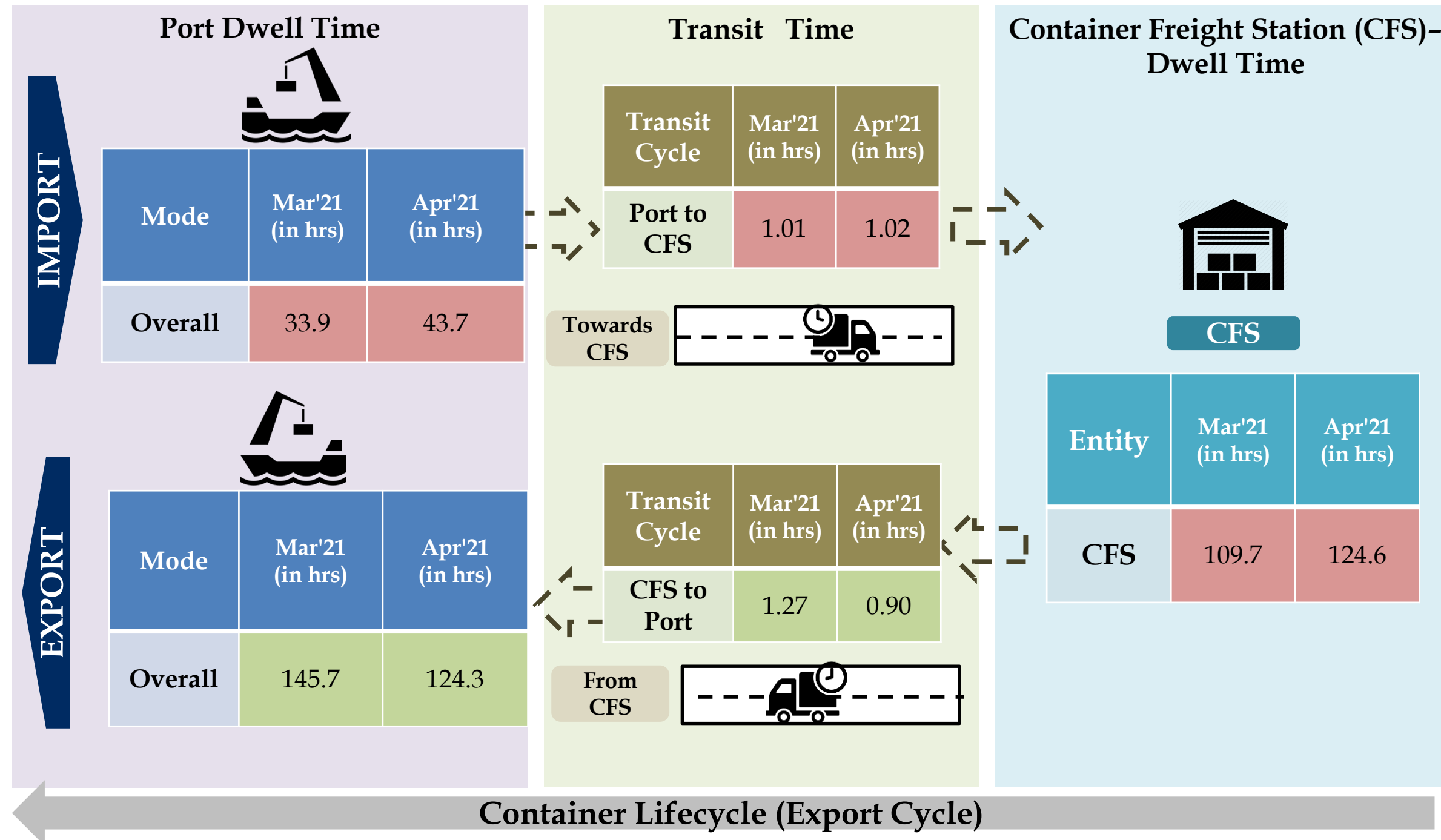
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

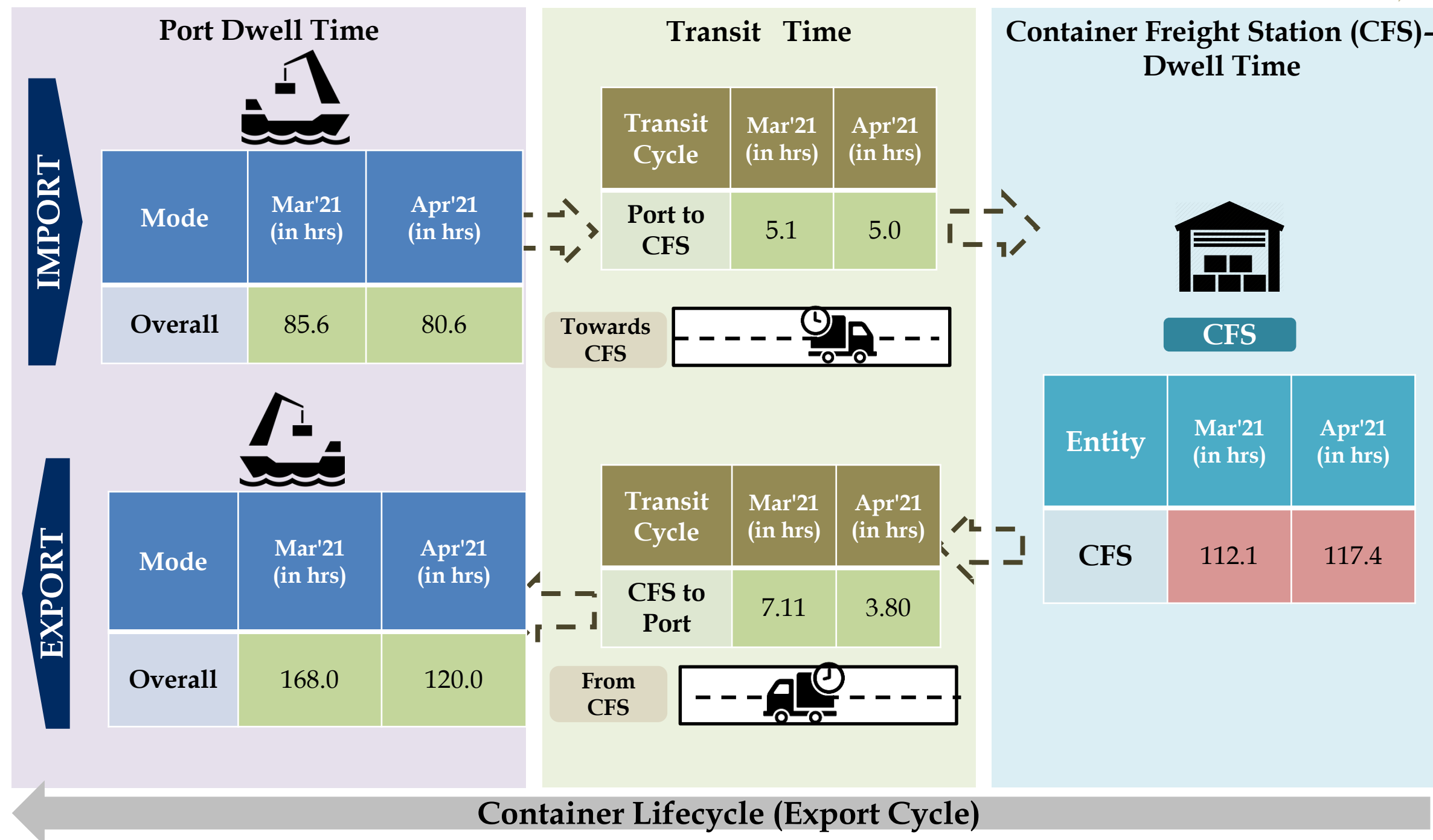
# Kolkata Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



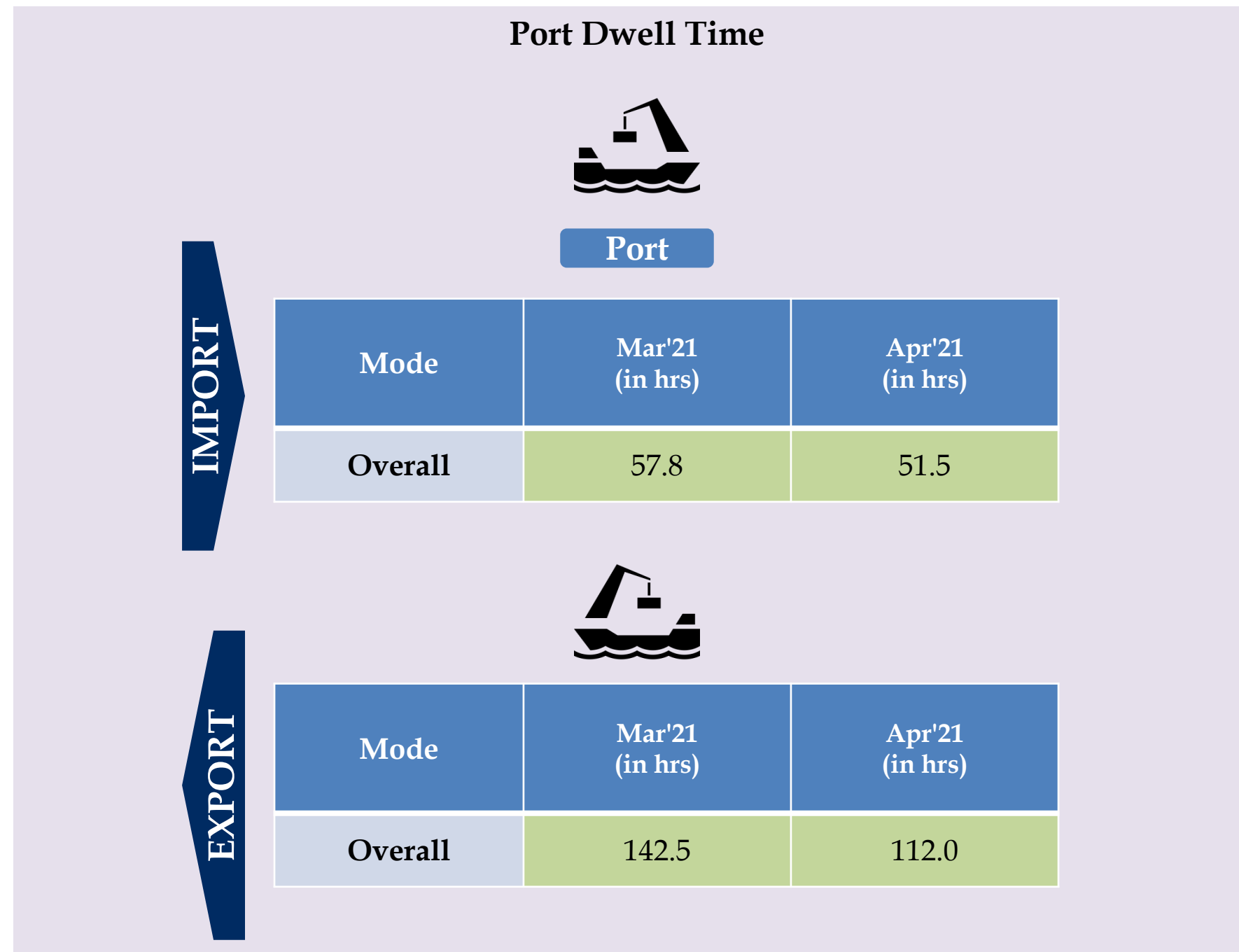
# Haldia Port Terminal: Container Transportation


## Container Lifecycle (Import Cycle)




# Individual Terminal Performance In Western Corridor











 The marked entries showcase the increase in performance as compared to Mar'21


 The marked entries showcase the decrease in performance as compared to Mar'21



# Container Transportation- JNPT Port Terminals

## Container Lifecycle (Import Cycle)

IMPORT	Port Dwell Time		
			
	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	21.6	20.3
EXPORT			
			
	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	74.2	73.4
	Truck	75.2	74.3
	Train	64.3	64.5

Transit Time			
			
Towards ICD	Station		
Transit Cycle	Mar'21 (in hrs)	Apr'21 (in hrs)	
Port to ICD	58.8	72.3	
Port to CFS	2.11	2.19	
Towards CFS			
From ICD			
Transit Cycle	Mar'21 (in hrs)	Apr'21 (in hrs)	
ICD to Port	63.3	56.4	
CFS to Port	3.21	2.82	
From CFS			

Container Freight Station (CFS) / Inland Container Depot (ICD) - Dwell Time		
		
ICD		
CFS		
Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	88.0	93.1
ICD	125.9	135.7

Volume distribution at port terminal - Truck/Rail		
		
	Truck	Rail
Import	82%	18%
Export	78%	22%

The marked entries showcase the increase in performance as compared to Mar'21

The marked entries showcase the decrease in performance as compared to Mar'21

## Container Lifecycle (Export Cycle)

# Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Apr'21 - in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.3	6% ↑
	Port Dwell Time for Truck Bound Containers	18.5	7% ↑
	Port Dwell time for Train Bound Containers	35	5% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	38.4	21% ↓
	Port Dwell time Containers bound for CFS	17.2	2% ↑
	Port Dwell for Empty Containers	27.7	6% ↑
	Port Dwell for Laden Containers	19	7% ↑
TRANSIT TIME	Port to ICD	72.3	23% ↓
	Port to CFS	2.19	4% ↓

EXPORT CYCLE DWELL TIME (Apr'21- in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	73.4	1% ↑
	Port Dwell Time for Truck Bound Containers	74.3	1% ↑
	Port Dwell time for Train Bound Containers	65.5	2% ↓
	Port Dwell time Direct Port Entry (DPE) containers	75.8	7% ↑
	Port Dwell time Containers bound from CFS	73.5	1% ↑
	Port Dwell for Empty Containers	67.9	1% ↑
	Port Dwell for Laden Containers	72.2	3% ↑
TRANSIT TIME	ICD to Port	56.4	11% ↑
	CFS to Port	2.8	13% ↑

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

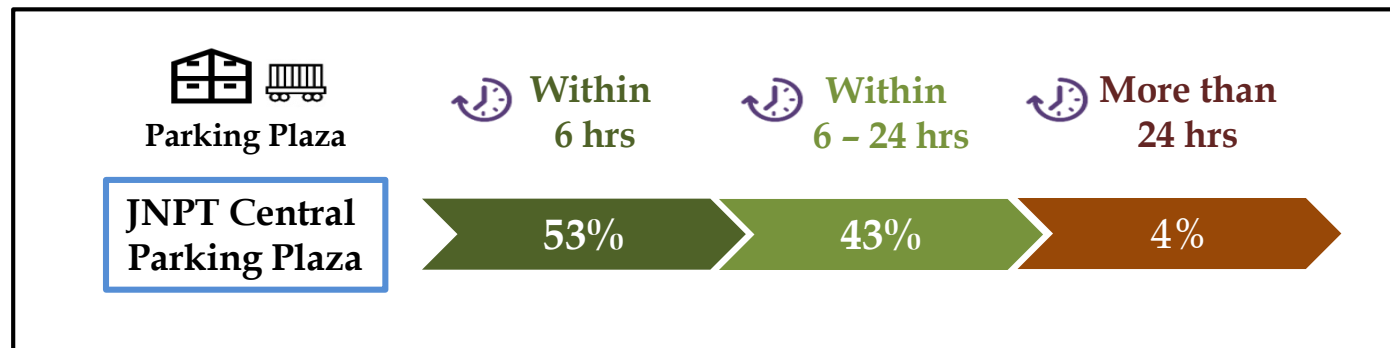
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



## Parking Plaza Gate In – Gate Out

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall Parking Plaza	6.5	5.7

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



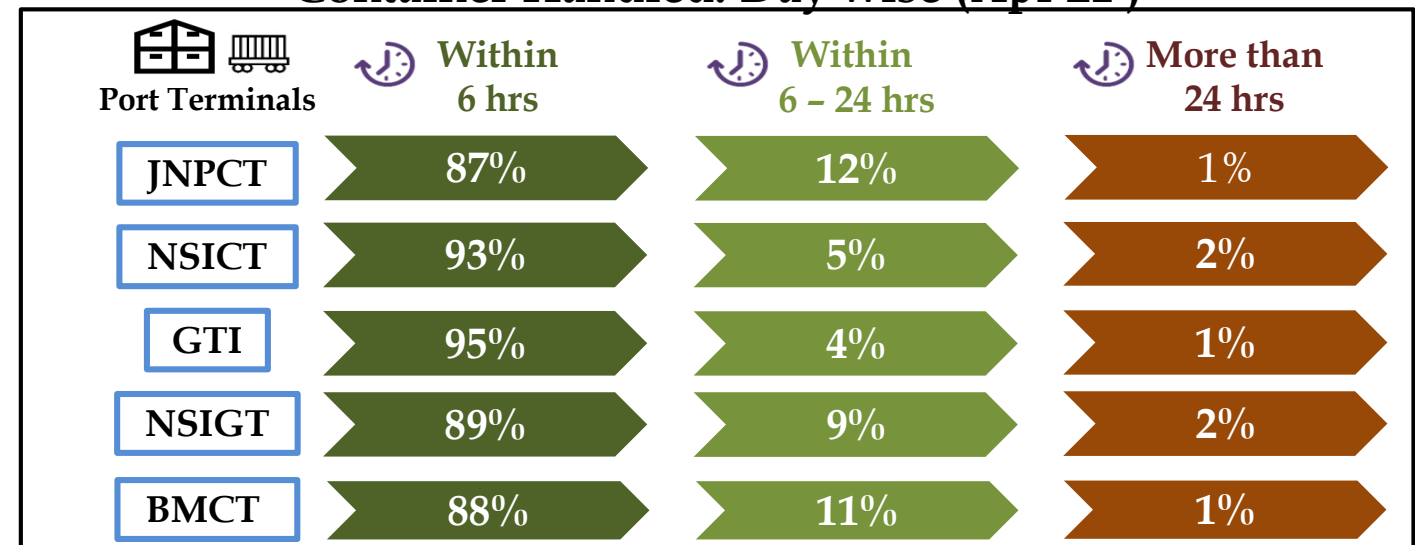
## Parking Plaza Gate Out – Terminal In

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.9	1.5



  

Port	Mar'21 (in hrs)	Apr'21 (in hrs)
JNPCT	1.6	2.0
NSICT	1.7	1.4
GTI	1.8	1.2
NSIGT	1.6	1.9
BMCT	2.9	2.4

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





## Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT			
	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	22.2	21.6
	Truck	20.8	20.1
EXPORT			
	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	135.4	124.6
	Truck	131.0	119.9
	Train	149.3	139.9

# Transit Time


Towards ICD



Station

Transit Cycle	Mar'21 (in hrs)	Apr'21 (in hrs)
Port to ICD	79.4	78.4
Port to CFS	0.95	0.94

Towards CFS




From ICD








Station


Transit Cycle	Mar'21 (in hrs)	Apr'21 (in hrs)
ICD to Port	78.9	73.2
CFS to Port	1.22	0.94


From CFS



Container Freight Stations(CFS)/Inland Container Depots(ICD)			
 			
ICD CFS			
Entity	Mar'21 (in hrs)	Apr'21 (in hrs)	
CFS	89.3	95.1	
ICD	125.9	135.7	

Volume distribution at port terminal - Truck/Rail		
	 	
	Truck	Rail
Import	93%	7%
Export	69%	31%

 The marked entries showcase the increase in performance as compared to Mar'21

 The marked entries showcase the decrease in performance as compared to Mar'21

## Container Lifecycle (Export Cycle)

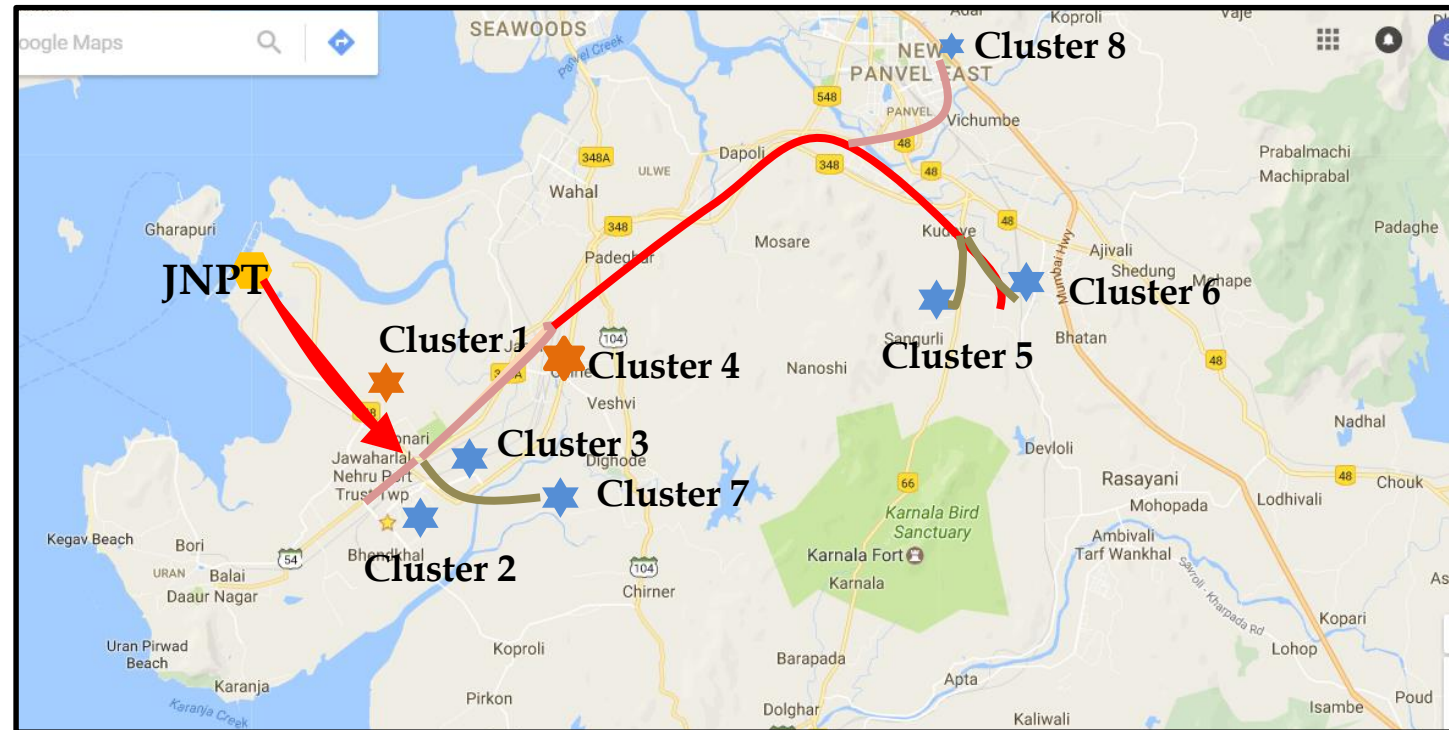
IMPORT CYCLE DWELL TIME (Apr'21- in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	21.6	3% ↑
	Port Dwell Time for Truck Bound Containers	20.1	3% ↑
	Port Dwell time for Train Bound Containers	77.2	8% ↓
TRANSIT TIME	Port to ICD	78.4	1.3% ↑
	Port to CFS	0.94	1% ↑

EXPORT CYCLE DWELL TIME (Apr'21- in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	124.6	8.0% ↑
	Port Dwell Time for Truck Bound Containers	119.9	8% ↑
	Port Dwell time for Train Bound Containers	139.9	6% ↑
TRANSIT TIME	ICD to Port	73.2	7% ↑
	CFS to Port	0.94	23% ↑

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



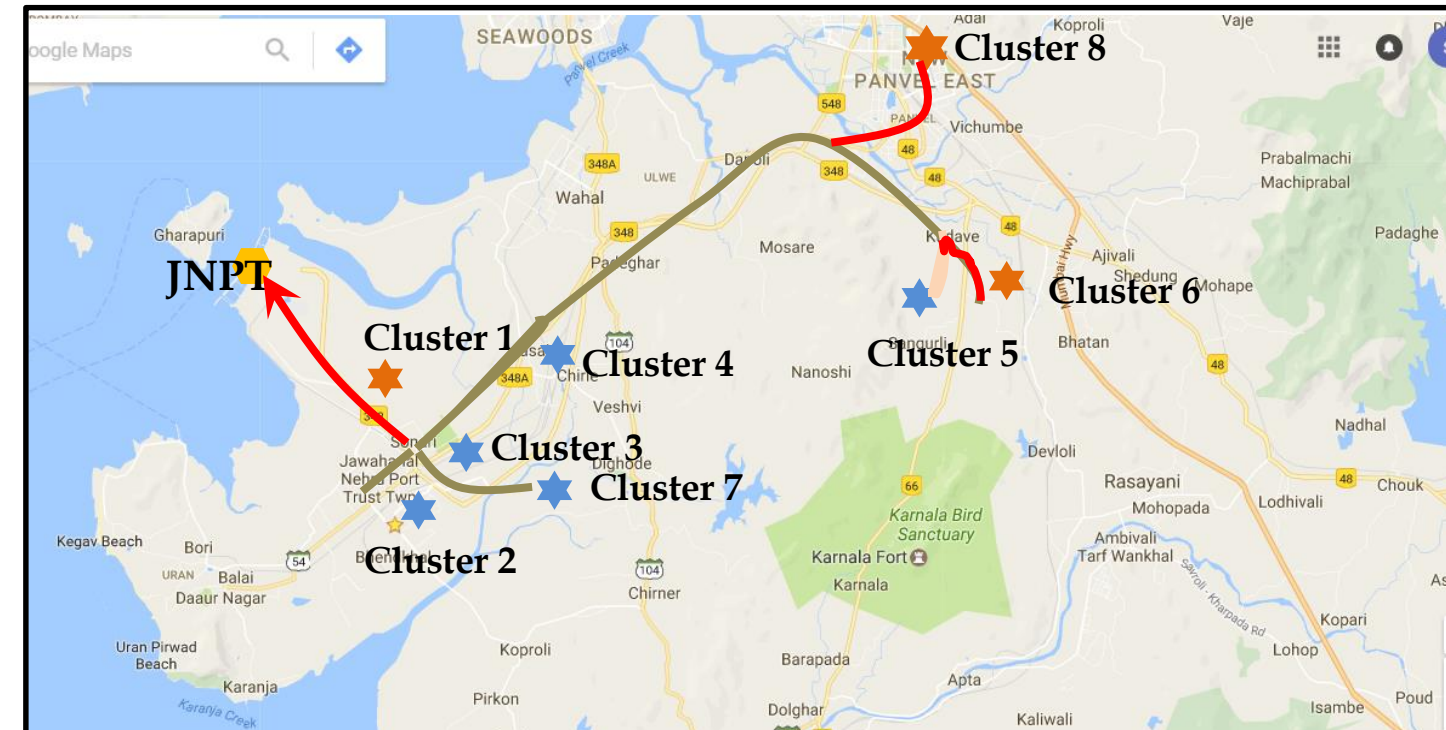
## JNPT - Import - Apr'21



Legends	
<span style="color: red;">—</span>	High Congestion
<span style="color: brown;">—</span>	Medium Congestion
<span style="color: pink;">—</span>	Low Congestion
<span style="color: orange;">★</span>	Cluster with bottleneck
<span style="color: blue;">★</span>	Cluster without bottleneck

Clusters with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 4	Chirle area, JNPT road
Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari 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

## JNPT - Export - Apr'21



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	Circle area, JNPT road
CLUSTER 5	Plaspa area, Coach Kanyakumari Highway
CLUSTER 7	Patilpada area, Khopate JNPT road

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

## Import Cycle

### Kolkata Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	85.8 hrs	117.4 hrs
Road	141.0 hrs	117.4 hrs
Rail	58.3 hrs	-

### Haldia Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	71.5 hrs	183.1 hrs



## Export Cycle

### Kolkata Port Terminal

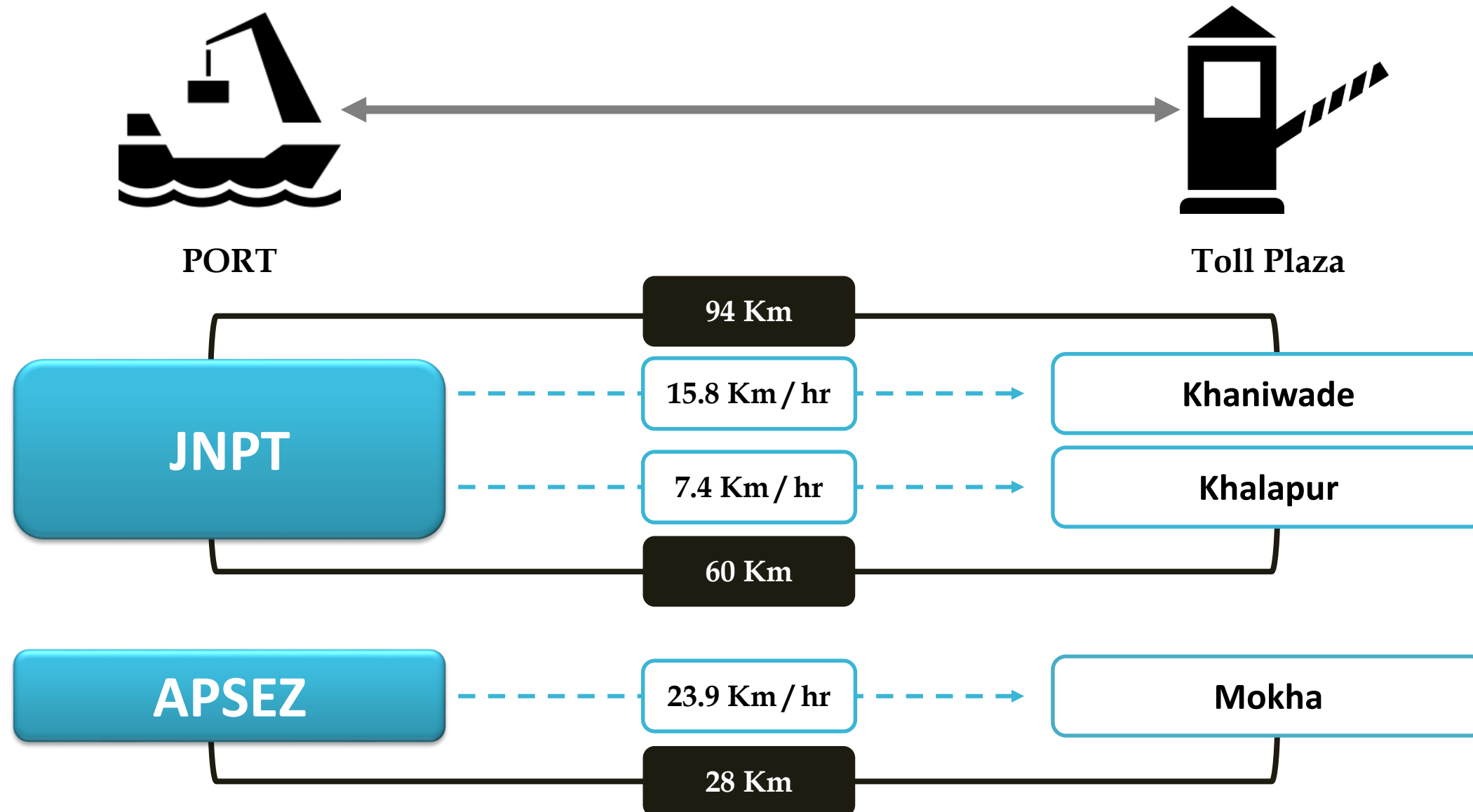
Mode	ICP Raxaul	ICP Jogbani
Overall	475.2 hrs	435.8 hrs
Road	265.7 hrs	435.8 hrs
Rail	533.4 hrs	-

### Haldia Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	590.5 hrs	310.0 hrs

Due to Low volume in Import cycle at Haldia Port Terminal, only export cycle analysis has been showcased.  
Also, There is no train bound containers available at ICP Jogbani

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



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)		
				Feb'21	Mar'21	Apr'21
Western	Hazira	Boriach	77	9.4	14.2	12.0
Eastern	KOPT(Kolkata)	Dankuni	24	1.9	1.8	2.1
	HICT(Haldia)	Debra	100	4.4	4.3	7.0
		Jaladhulagori	101	8.8	9.3	9.4
Southern	Chennai	Surapattu	18	-	1.9	2.3
		Nallur	23	-	1.5	1.8
	Kochi	Kumbalam	13	1.9	2.5	1.2
		GIPL Palayekara	71	8.7	8.3	8.1
	NMPT (New Manglore)	Brahamarakotlu	25	3.3	1.5	5.2
		Talapady	22.5	1.3	1.5	2.7
		Gundmi	68	4.8	5.0	7.3
	Kattupalli	Surapattu	36	-	4.9	7.7
		Nallur	33	-	6.2	7.0
	Ennore	Surapattu	35	-	3.7	3.6
	Tuticron	VoCPT CheckPost1	4.3	12.9	11.9	11.4

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

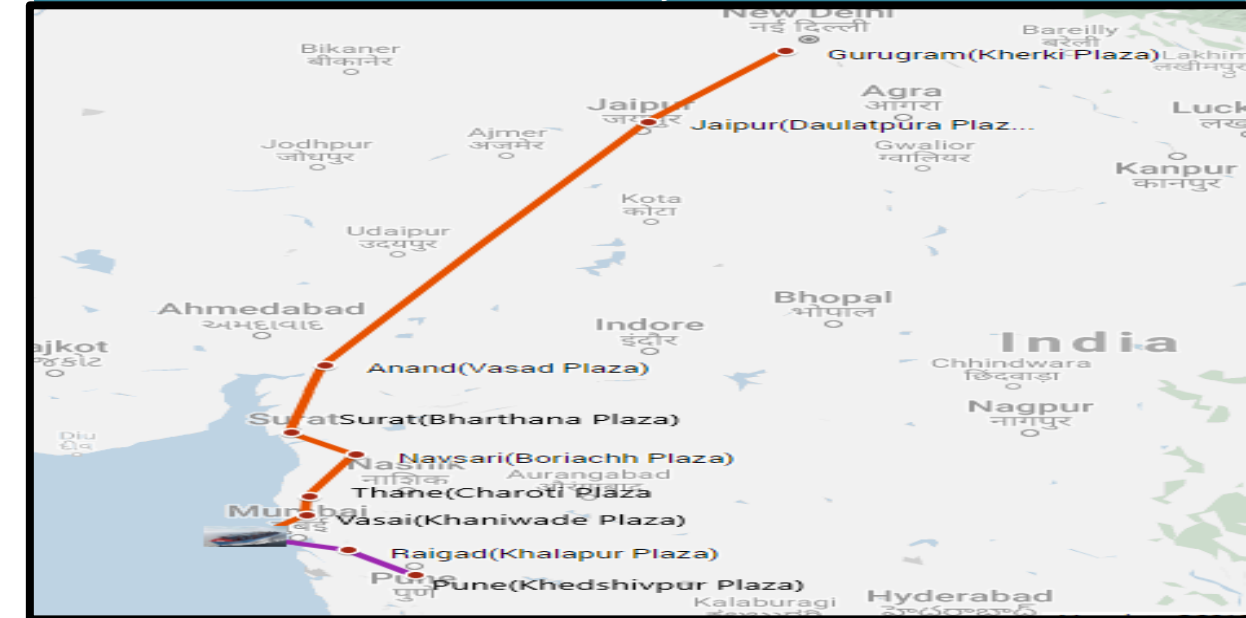


# Western Corridor Toll Plaza Analysis

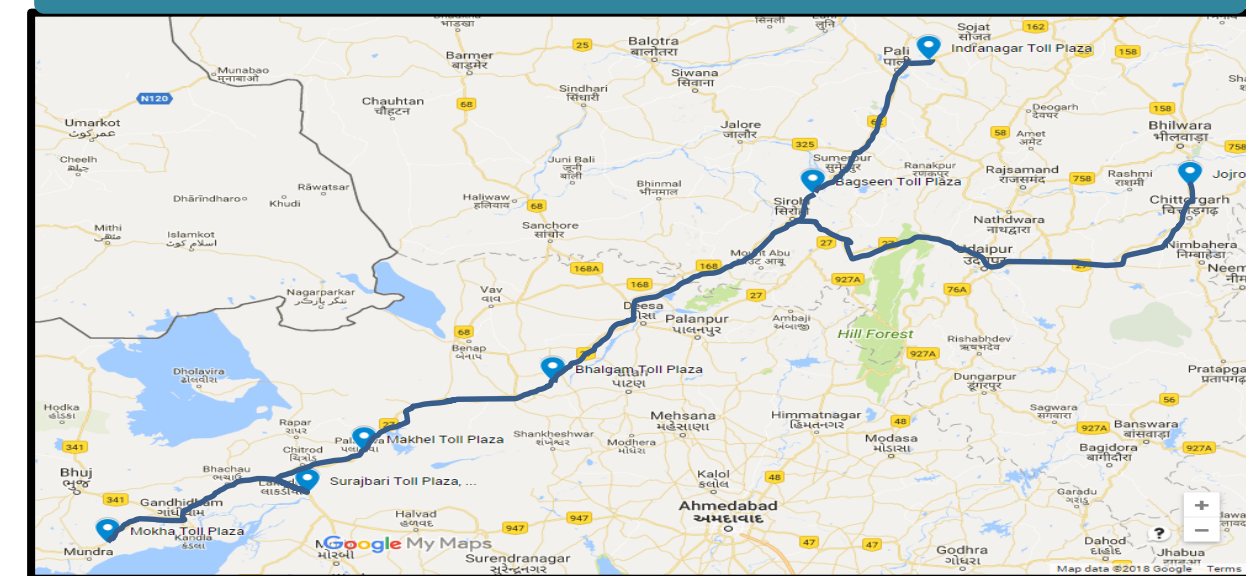
## Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Mar'21 (in km/hrs)	Apr'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.4	15.8
	JNPT	Khalapur	60	11.8	7.4
	Khaniwade	Charoti	50	37.9	38.3
	Charoti	Boriach	126	28.7	27.7
	Boriach	Bharthan	142	33.0	34.2
	Bharthan	Vasad	60	38.8	40.0
	Khalalpur	Khedshivpur	105	30.6	32.1
	Daulatpura	Kherki	199	15.1	-
APSEZ	APSEZ	Mokha	28	26.7	23.9
	Mokha	Makhel	150	21.3	20.5
	Mokha	Surajbari	115	25.6	25.6
	Makhel	Bhalgam	108	35.2	35.0

### Toll Plaza - JNPT Port



### Toll Plaza - APSEZ Port



## List of Port name used in Executive Summary

Terminal Name	Name of the Port
<b>ACMTTL</b>	Adani CMA Mundra Terminal (ACMTTL)
<b>AHPL</b>	Adani Hazira Port Limited (AHPL)
<b>AICT</b>	Adani International Container Terminal (AICT)
<b>AMCT</b>	Adani Mundra Container Terminal (AMCT)
<b>BMCT</b>	Bharat Mumbai Container Terminals(PSA)
<b>CCTL</b>	Chennai Container Terminal Pvt. Ltd. (CCTL)
<b>CITPL</b>	Chennai International Terminals Pvt Ltd (CITPL)
<b>DBGT</b>	Dakshin Bharat Gateway Terminal (DBGT)
<b>GTI</b>	Gateway Terminals India (GTI)
<b>HICT</b>	Haldia International Container Terminal (HICT)
<b>KICT</b>	Kandla International Container Terminal (KICT)
<b>ICTT</b>	International Container Transshipment Terminal, Kochi
<b>JNPCT</b>	Jawaharlal Nehru Port Container Terminal (JNPCT)
<b>AKPPL</b>	Kattupalli International Container Terminal (KICT)
<b>KDS</b>	Kolkata Dock System (KDS)
<b>MICT</b>	Mundra International Container Terminal (MICT)
<b>NCT</b>	Navayuga Container Terminal (NCT)
<b>NSIGT</b>	Nhava Sheva India Gateway Terminal (NSIGT)
<b>NSICT</b>	Nhava Sheva International Container Terminal (NSICT)
<b>PSA - SICAL</b>	PSA SICAL Terminals
<b>VCTPL</b>	Visakha Container Terminal
<b>NMPT</b>	New Mangalore Port Trust Terminal
<b>AECT</b>	Adani Ennore Container Terminal (AECT)



## List of CFS name used in CFS Performance Index

1	Phonex CFS	KOLKATA	36	Hari CFS	TUTICORIN	71	TG Terminals CFS, Mundra	Gujarat
2	Century Plyboards CFS, JJP	KOLKATA	37	Ennore Cargo Container Terminal CFS, Chennai	Chennai	72	Ashutosh CFS, Mundra	Gujarat
3	Allcargo Logistics CFS	KOLKATA	38	Vilsons CFS	TUTICORIN	73	CWC CFS, Mundra	Gujarat
4	Gateway East India CFS	VISAKHAPATNAM	39	Apm Terminals India CFS, Tiruvallur	Chennai	74	International Cargo Terminals (ULA) CFS, Navi Mumbai	Mumbai
5	Sravan CFS-1	VISAKHAPATNAM	40	Continental Warehousing Corporation Nhava Sheva Ltd.	TUTICORIN	75	EFC Logistics India	Mumbai
6	Century Plyboards CFS, Sonai	KOLKATA	41	Prompt Terminals (P) Ltd	TUTICORIN	76	Hind Terminals Pvt. Ltd. CFS, Mundra	Gujarat
7	Balmer Lawrie CFS	KOLKATA	42	Balmer Lawrie CFS, Chennai	Chennai			
8	VCT CFS	VISAKHAPATNAM	43	A.S.Shipping Agencies Pvt Ltd	TUTICORIN	77	Mundhra CFS, Mundra	Gujarat
9	VPL Integral CFS	VISAKHAPATNAM	44	MIV CFS	KOCHI	78	Seabird CFS, Navi Mumbai	Mumbai
10	A L Logistics CFS	HALDIA	45	GDKL CFS	KOCHI	79	Seabird CFS, Mundra	Gujarat
11	Ralson Petro Chemicals CFS	HALDIA	46	Chandra CFS, Tiruvallur	Chennai	80	Ashte Logistics CFS, Panvel	Mumbai
12	SICAL CFS	VISAKHAPATNAM	47	Hind Terminals CFS, Chennai	Chennai	81	Vaishno Logistics CFS, Navi Mumbai	Mumbai
13	Sical CFS, Chennai Tiruvallur Tamil Nadu	Chennai	48	Diamond CFS Park	TUTICORIN	82	Sarveshwar CFS	Mumbai
14	Allcargo Global Logistics CFS, Chennai	Chennai	49	German Express Shipping Agency CFS, Chennai	Chennai	83	Hind Terminal CFS, Hazira	Gujarat
15	Concor CFS, Chennai	Chennai	50	Viking Warehousing CFS, Chennai	Chennai	84	TG Terminals CFS	Mumbai
16	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	Chennai	51	Kerry Indev Logistics Private Limited / Continental Container Freight Station	TUTICORIN	85	Apollo Logisolutions CFS, Panvel	Mumbai
17	ALS Tuticorin Terminal Private Limited	TUTICORIN	52	Thiru Rani Logistics CFS, Tiruvallur	Chennai	86	Balmer & Lawrie CFS, Navi Mumbai	Mumbai
18	Kerry Indev Logistics ICD, Kanchipuram	Chennai	53	Sun Global Logistics CFS, Kanchipuram	Chennai	87	Seabird CFS, Hazira	Gujarat
19	Kailash Shipping Services CFS, Chennai	Chennai	54	STP Services CFS, Chennai	Chennai	88	Honey Comb CFS, Mundra	Gujarat
20	Sattva Hi-Tech And Conware CFS, Chennai	Chennai	55	Sical Multimodal and Rail Transport Ltd. - CFS Division	TUTICORIN	89	Rishi CFS, Mundra	Gujarat
21	Raja Agencies CFS	TUTICORIN	56	CWC Hind Terminal CFS, Navi Mumbai	Mumbai	90	Indev Logistics CFS, Panvel	Mumbai
22	Gateway Distriparks CFS, Chennai	Chennai	57	AllCargo Logistics	Mumbai	91	Navkar Corporation Yard 2 CFS, Panvel	Mumbai
23	Glovis India CFS, Kanchipuram	Chennai	58	Saurashtra CFS, Mundra	Gujarat	92	Ocean Gate CFS, Panvel	Mumbai
24	Triway CFS, Chennai	Chennai	59	Ameya Logistics CFS, Navi Mumbai	Mumbai	93	Dronagiri Rail Terminal CFS, Navi Mumbai	Mumbai
25	St. John Freight Systems Ltd. - ICD Division	TUTICORIN	60	Adani CFS, Hazira	Gujarat	94	Transworld CFS, Mundra	Gujarat
26	Sattva Cfs And Logistics CFS, Chennai	Chennai	61	Gateway Distriparks CFS, Navi Mumbai	Mumbai	95	APM (Maersk India) CFS, Navi Mumbai	Mumbai
27	Sudharsan Logistics CFS, Chennai	Chennai	62	Speedy Multimode CFS, JNPT	Mumbai	96	Take Care Logistics CFS	Mumbai
28	Seabird CFS, Krishnapatnam	KRISHNAPATNAM	63	Navkar Corporation Yard 3 CFS, Panvel	Mumbai	97	CWC Impex Park CFS, Navi Mumbai	Mumbai
29	Calyx Container Terminal CFS, Chennai	Chennai	64	International Cargo Terminal CFS	Mumbai	98	Navkar Corporation Yard 1 CFS, Panvel	Mumbai
30	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	Chennai	65	JWR CFS	Mumbai	99	Maharashtra State Corp CFS	Mumbai
31	A S Shipping Agencies CFS, Tiruvallur	Chennai	66	MICT CFS, Mundra	Gujarat	100	A V Joshi CFS	Gujarat
32	Sanco Trans CFS, Chennai	Chennai	67	JWC Logistics Park CFS	Mumbai	101	Maersk Annex (APM)CFS, Navi Mumbai	Mumbai
33	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	Chennai	68	Adani CFS Eximyard, Mundra	Gujarat	102	Empezar Logistics CFS	Gujarat
34	Gateway Distripark CFS, Krishnapatnam	KRISHNAPATNAM	69	Punjab Conware CFS, Navi Mumbai	Mumbai	103	SBW Logistics CFS, Navi Mumbai	Mumbai
35	Chola Logistiks Pvt Ltd	TUTICORIN	70	Continental Warehousing CFS, Navi Mumbai	Mumbai			

## List of CFS name used in CFS Performance Index

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

## 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

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

1	Sical CFS, Chennai Tiruvallur Tamil Nadu	23	Chola Logistiks Pvt Ltd
2	Allcargo Global Logistics CFS, Chennai	24	Hari CFS
3	Concor CFS, Chennai	25	Ennore Cargo Container Terminal CFS, Chennai
4	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	26	Vilsons CFS
5	ALS Tuticorin Terminal Private Limited	27	Apm Terminals India CFS, Tiruvallur
6	Kerry Indev Logistics ICD, Kanchipuram	28	Continental Warehousing Corporation Nhava Sheva Ltd.
7	Kailash Shipping Services CFS, Chennai	29	Prompt Terminals (P) Ltd
8	Sattva Hi-Tech And Conware CFS, Chennai	30	Balmer Lawrie CFS, Chennai
9	Raja Agencies CFS	31	A.S.Shipping Agencies Pvt Ltd
10	Gateway Distriparks CFS, Chennai	32	MIV CFS
11	Glovis India CFS, Kanchipuram	33	GDKL CFS
12	Triway CFS, Chennai	34	Chandra CFS, Tiruvallur
13	St. John Freight Systems Ltd. - ICD Division	35	Hind Terminals CFS, Chennai
14	Sattva Cfs And Logistics CFS, Chennai	36	Diamond CFS Park
15	Sudharsan Logistics CFS, Chennai	37	German Express Shipping Agency CFS, Chennai
16	Seabird CFS, Krishnapatnam	38	Viking Warehousing CFS, Chennai
17	Calyx Container Terminal CFS, Chennai		Kerry Indev Logistics Private Limited / Continental Container
18	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	39	Freight Station
19	A S Shipping Agencies CFS, Tiruvallur	40	Thiru Rani Logistics CFS, Tiruvallur
20	Sanco Trans CFS, Chennai	41	Sun Global Logistics CFS, Kanchipuram
21	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	42	STP Services CFS, Chennai
22	Gateway Distripark CFS, Krishnapatnam	43	Sical Multimodal and Rail Transport Ltd. - CFS Division

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

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



**THANK YOU**