



Logistics Databank Analytics Report

August 2022



Report

Section
01

Section
02

Report Inference

This sections depicts the inference and major highlights of the report

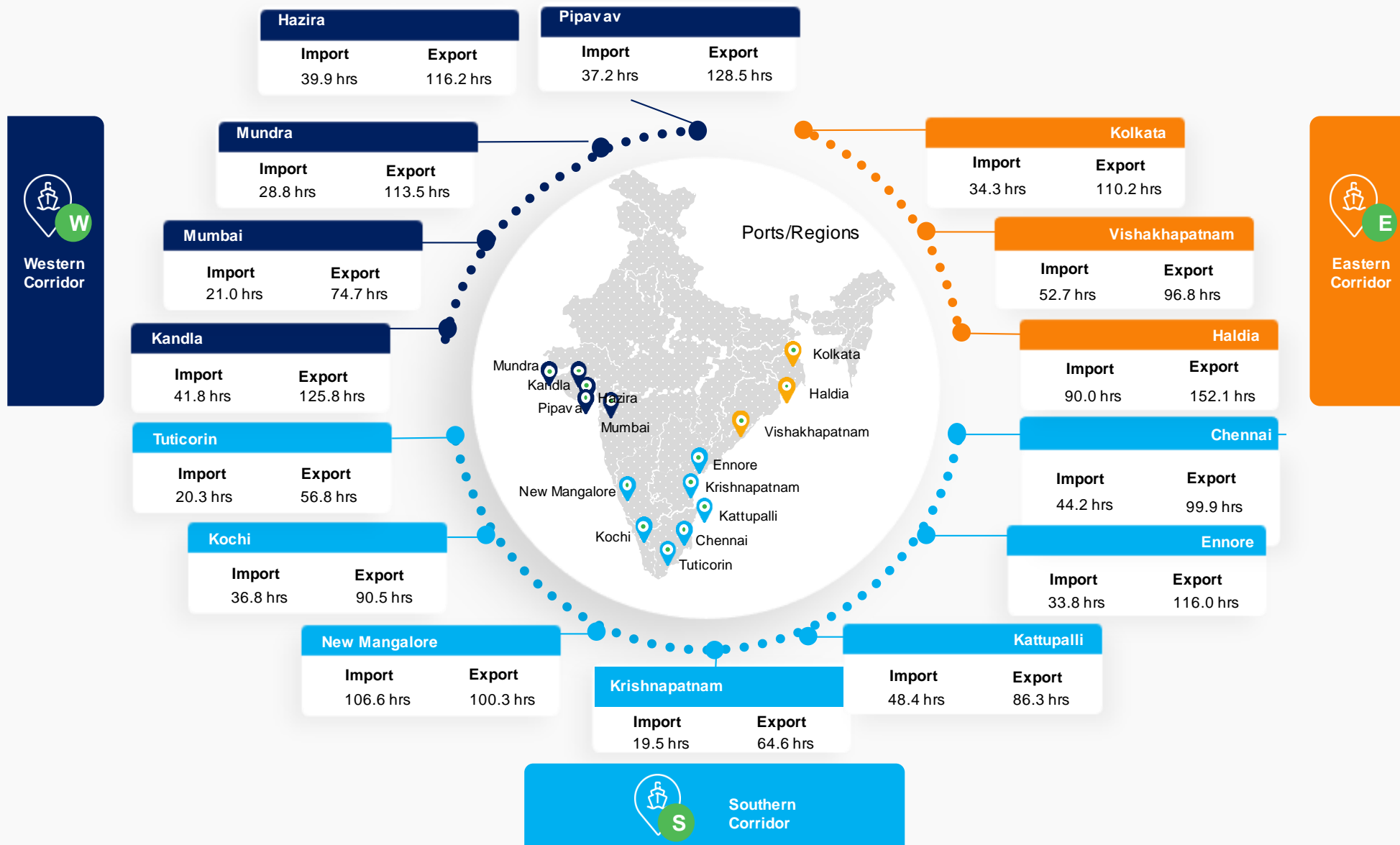
1. [Pan India Performance](#)
2. [Port Dwell Time Performance – Corridor & Terminal wise Performance](#)
3. [Critical Incident Summary](#)
4. [Pan India - Port Performance Benchmarking & Performance Index](#)
5. [Pan India - CFS Performance Benchmarking & Performance Index](#)
6. [Region wise segmentation,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

Annexure

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

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

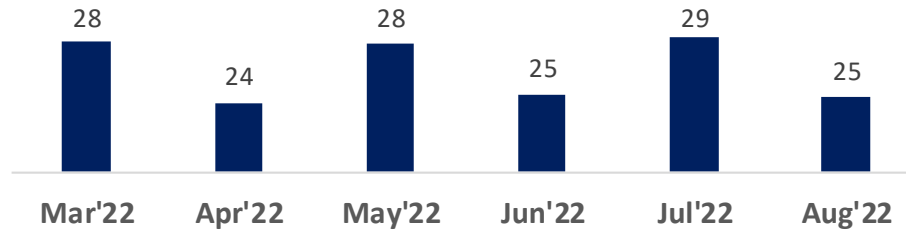
PAN INDIA Performance Snapshot: August 2022 (Dwell Time)



Port Dwell Time Performance – Western Corridor (Import Cycle)

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

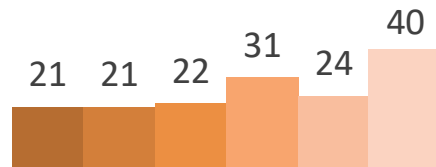
Western Corridor



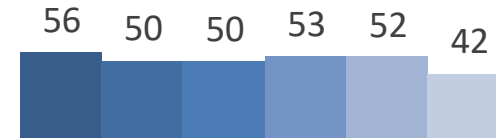
Port - Wise



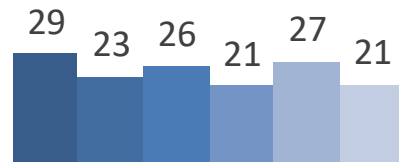
Hazira



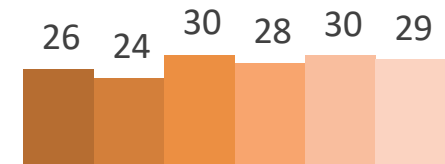
Kandla



JNPA



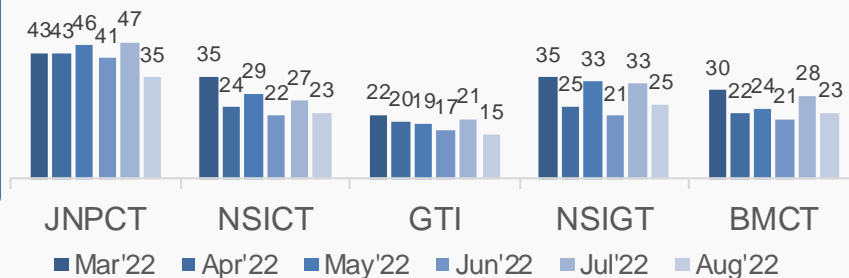
Mundra



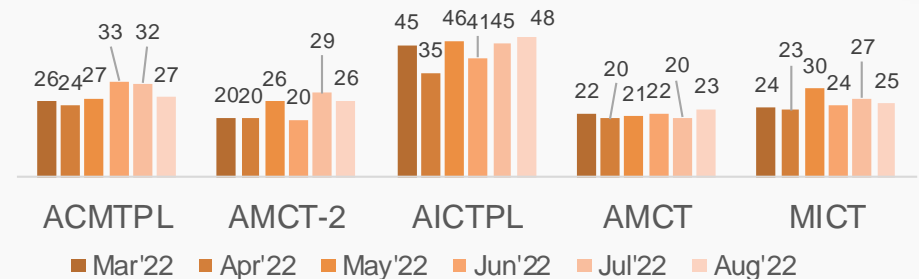
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■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

JNPA - Terminal



Mundra - Terminal

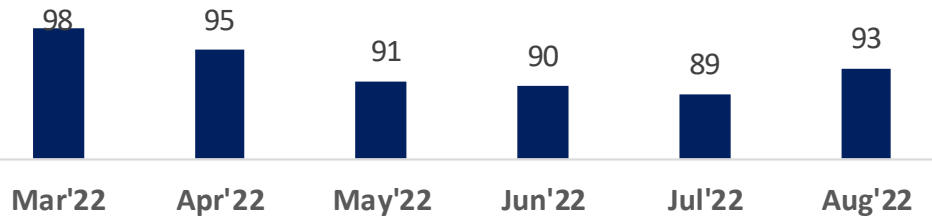


■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

Port Dwell Time Performance – Western Corridor (Export Cycle)

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

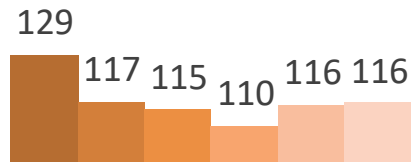
Western Corridor



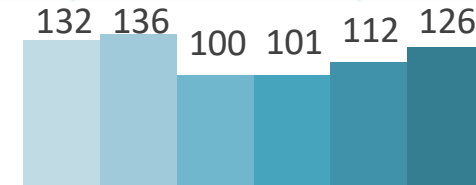
Port - Wise



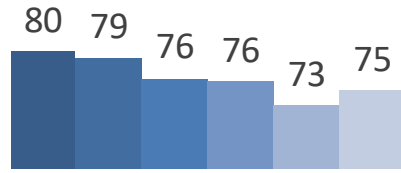
Hazira



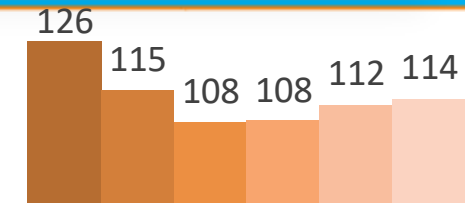
Kandla



JNPA



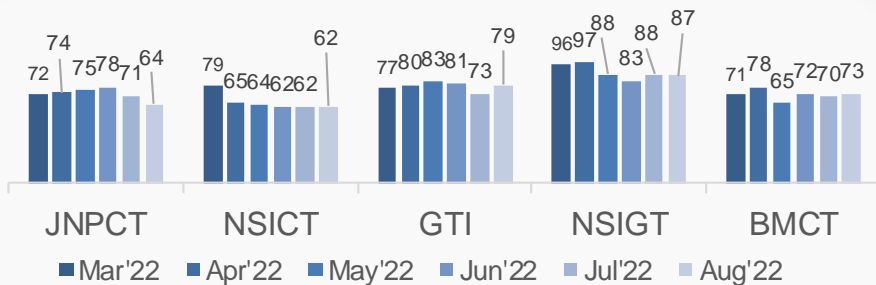
Mundra



■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

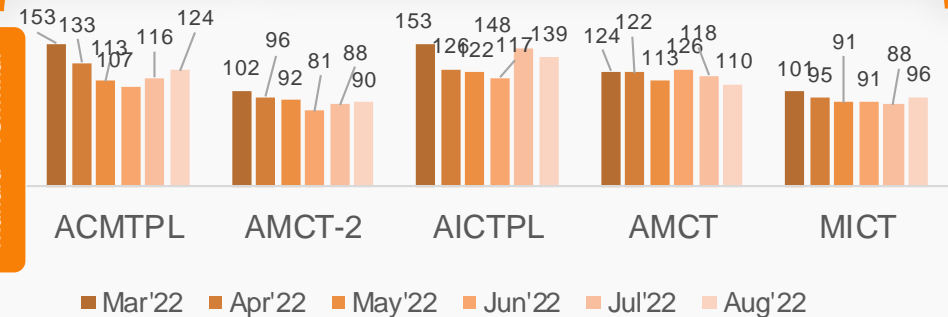
■ 113.5 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

JNPA - Terminal



■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

Mundra - Terminal

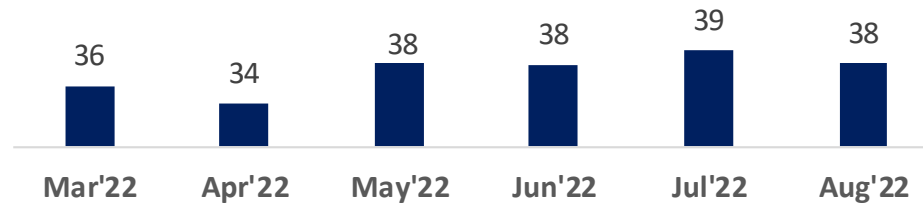


■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

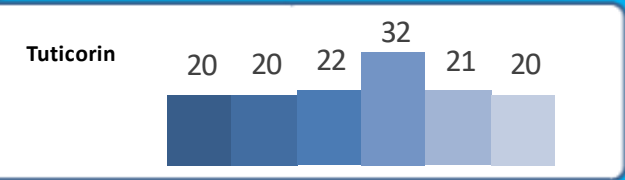
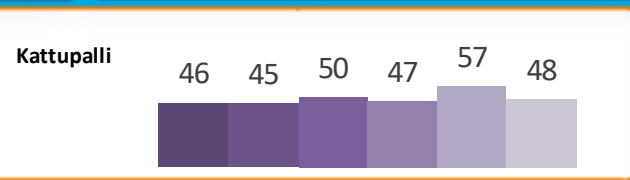
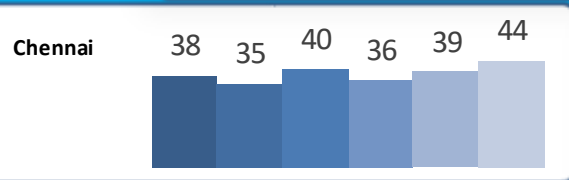
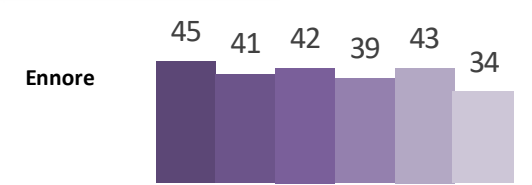
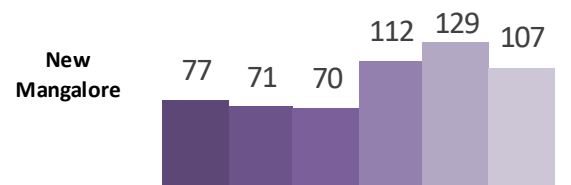
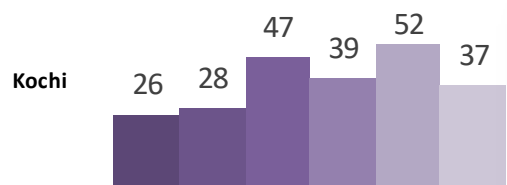
Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

Southern Corridor



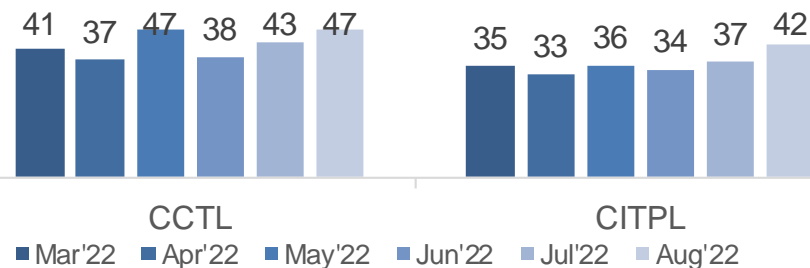
Port - Wise



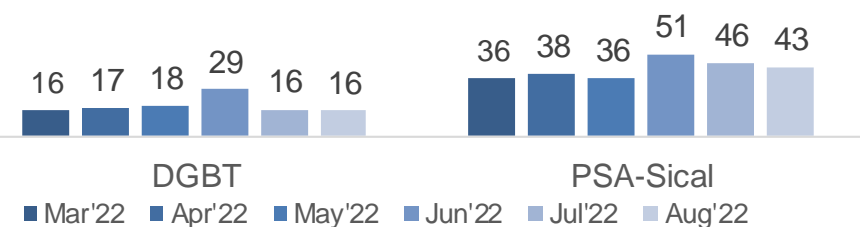
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■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

Chennai - Terminal



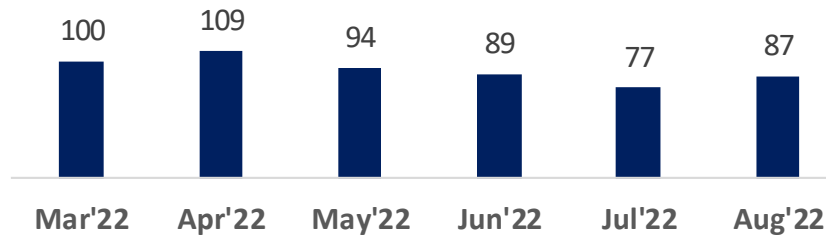
Tuticorin - Terminal



Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

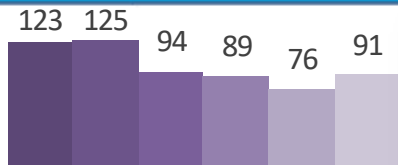
Southern Corridor



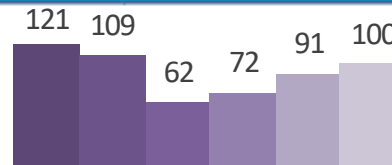
Port - Wise



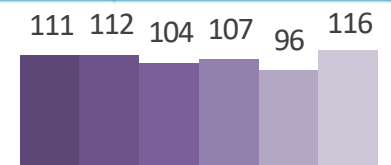
Kochi



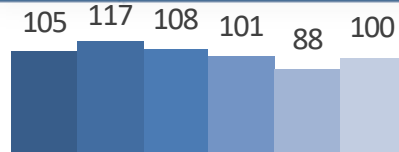
New Mangalore



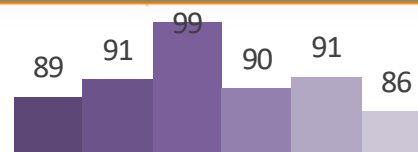
Ennore



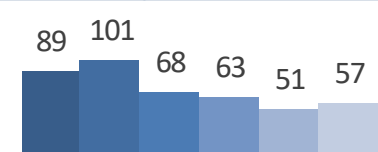
Chennai



Kattupalli



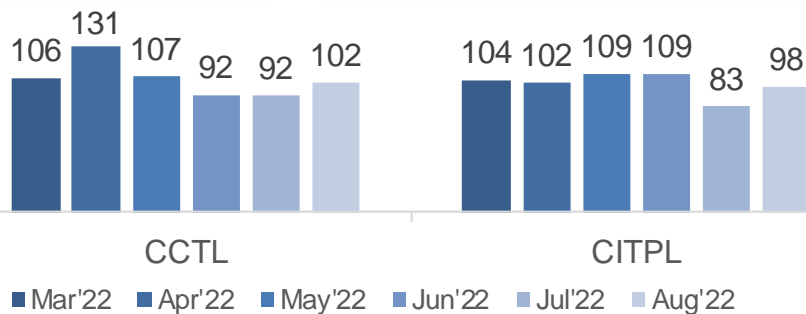
Tuticorin



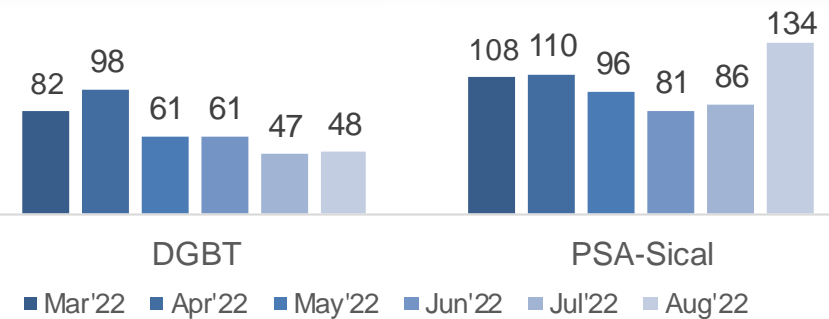
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■ Mar'22 ■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22

Chennai - Terminal



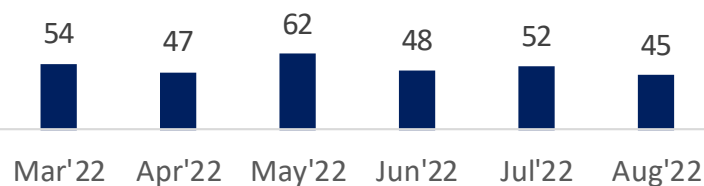
Tuticorin - Terminal



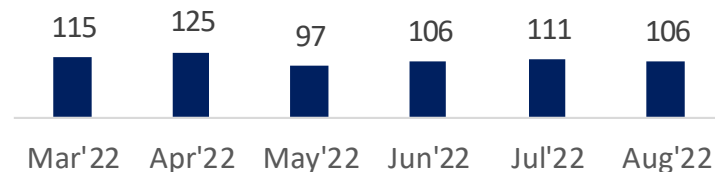
Port Dwell Time Performance – Eastern Corridor

Import Cycle (in hrs)

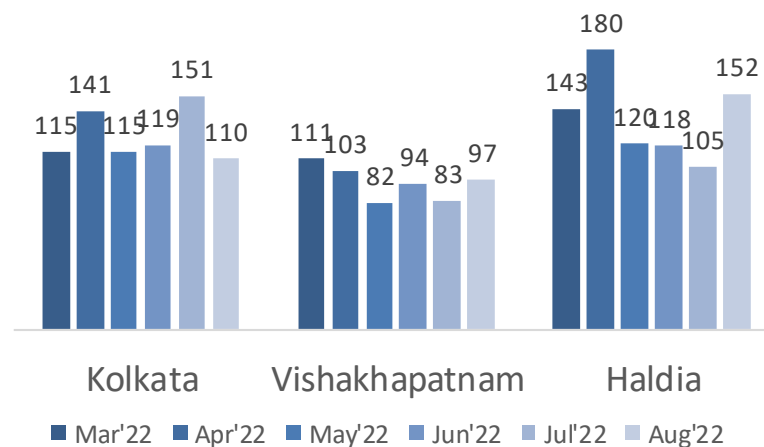
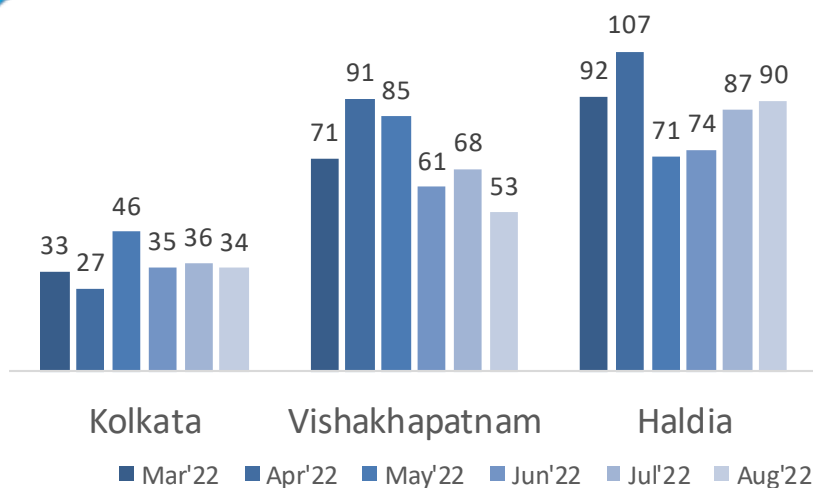
Eastern Corridor



Export Cycle (in hrs)

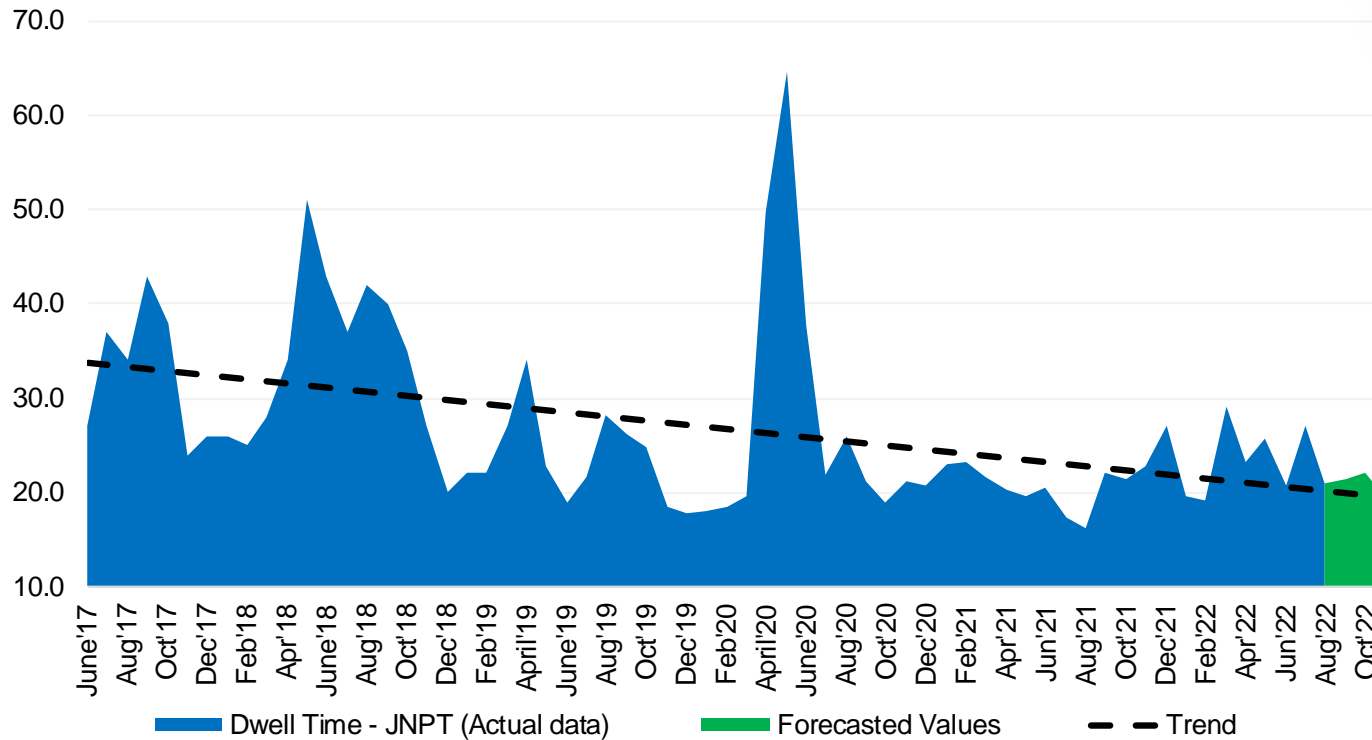


Port - Wise



Predictive Analysis : JNPA Port

JNPA 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 on Oct'22 and decrease from there on till Nov'22.



Predicted
Dwell Time (in hrs)

Sep'22

21.5

Oct'22

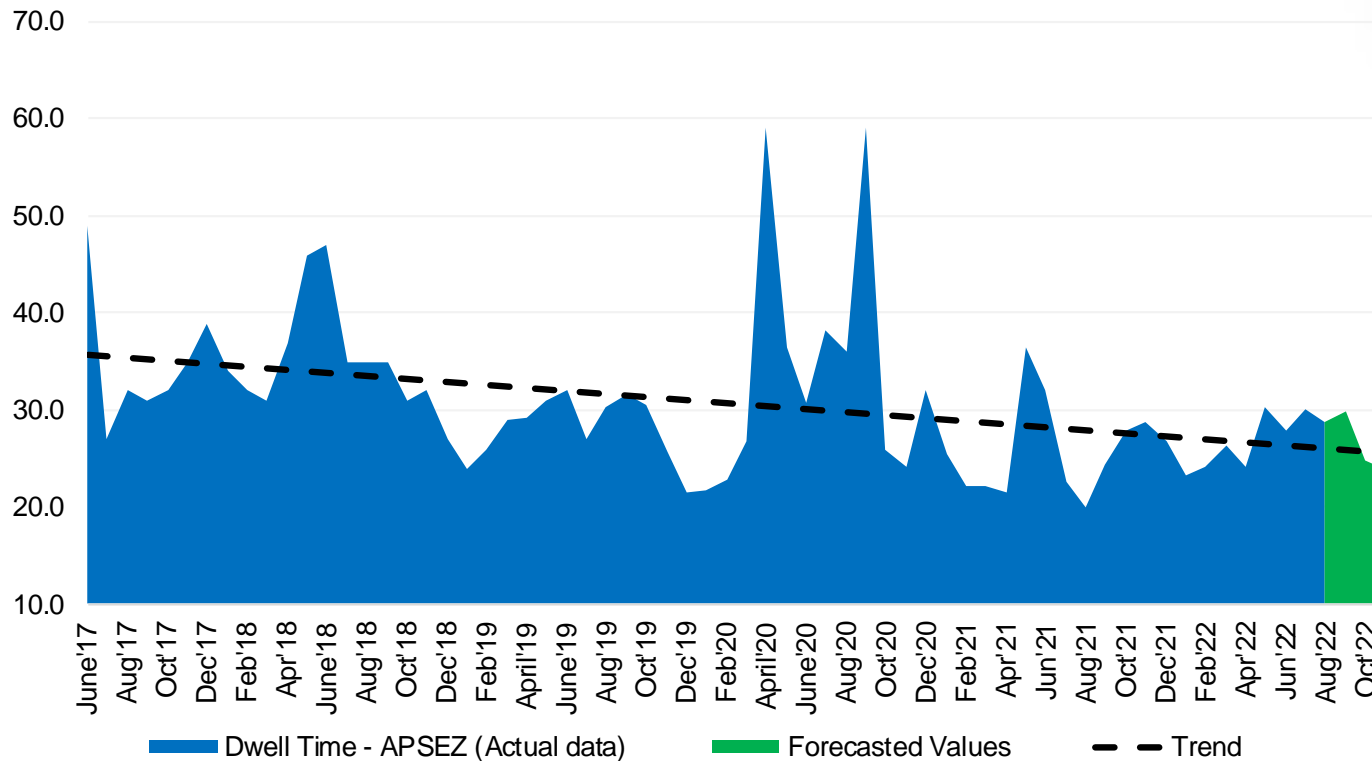
22.1

Nov'22

19.5

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 Nov'22.



Predicted
Dwell Time (in hrs)

Sep'22

29.8

Oct'22





24.8

Nov'22

24.0

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has improved by 13.6% & Export Cycle deteriorated by 4.0%.
- The container handling performance at CFS has deteriorated by 4.2%. Also, ICD performance has deteriorated by 5.5%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Aug'22	24.7 hrs 	92.6 hrs 	88.5 hrs 	123.4 hrs 
Jul'22	28.6 hrs	89.0 hrs	84.9 hrs	117.0 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 3.3% & in Export Cycle has deteriorated by 13.5%.
- The container handling performance at CFS has improved by 1.8%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Aug'22	37.8 hrs 	87.5 hrs 	102.3 hrs 
Jul'22	39.1 hrs	77.1 hrs	104.2 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has improved by 13.6% and Export Cycle has improved by 4.2%.
- The container handling performance at CFS has deteriorated by 3.8%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Aug'22	44.5 hrs 	105.9 hrs 	126.2 hrs 
Jul'22	51.5 hrs	110.6 hrs	121.6 hrs

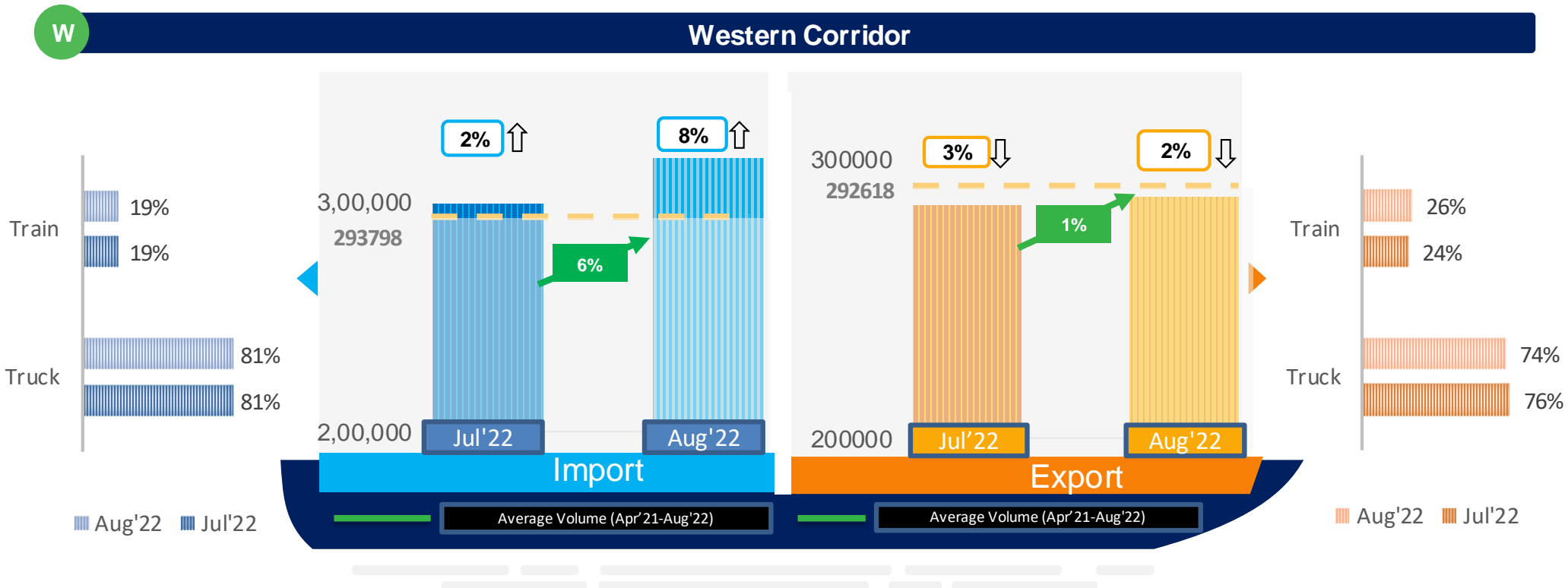


COVID – 19 Impact



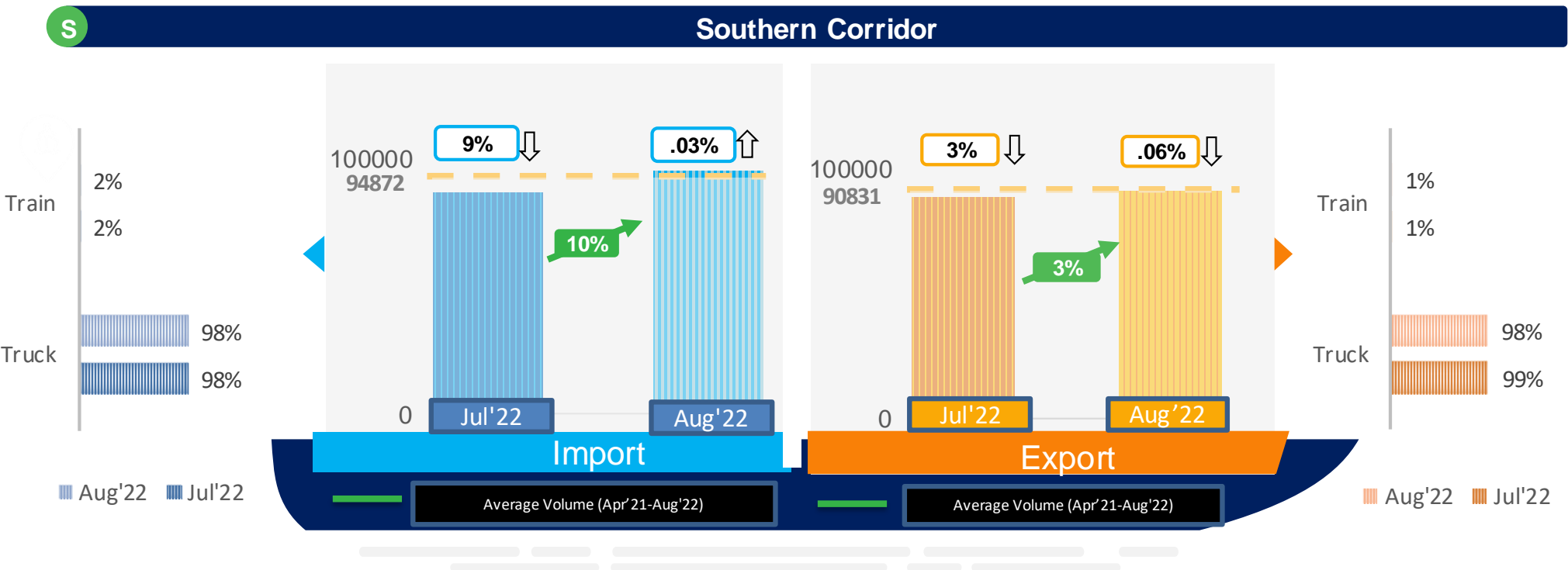
Covid-19 Impact – Western Corridor

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



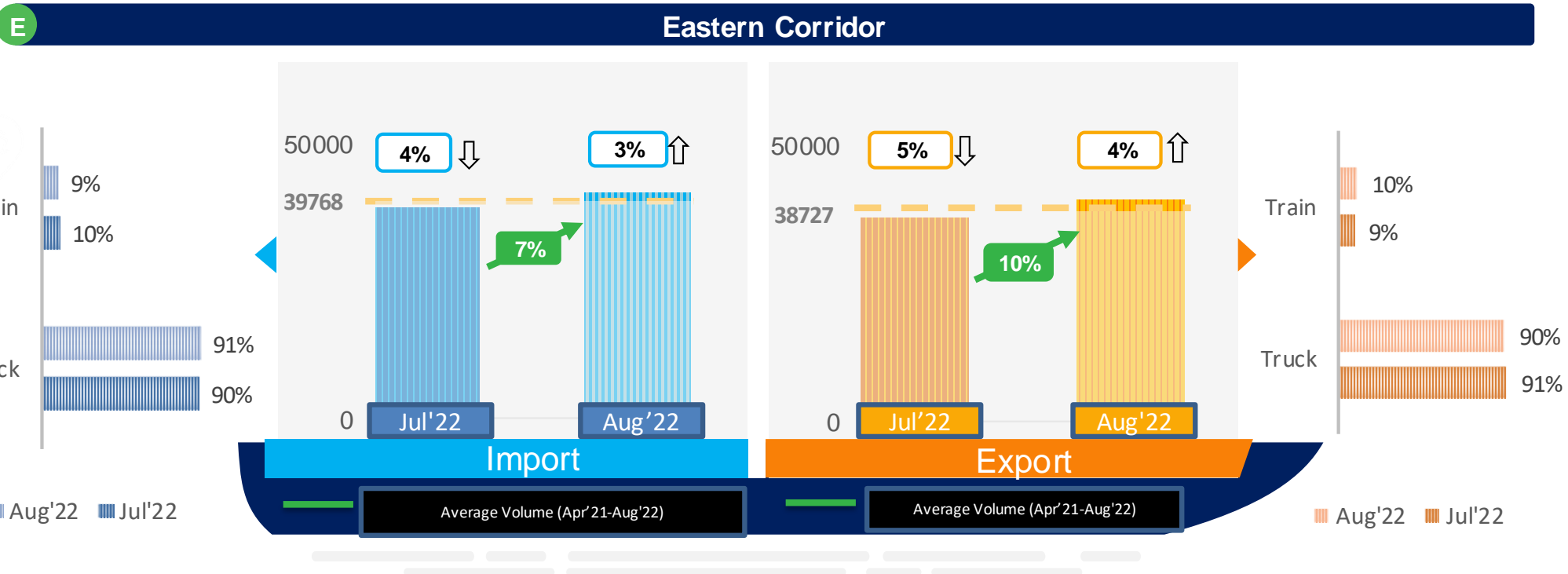
Covid-19 Impact – Southern Corridor

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



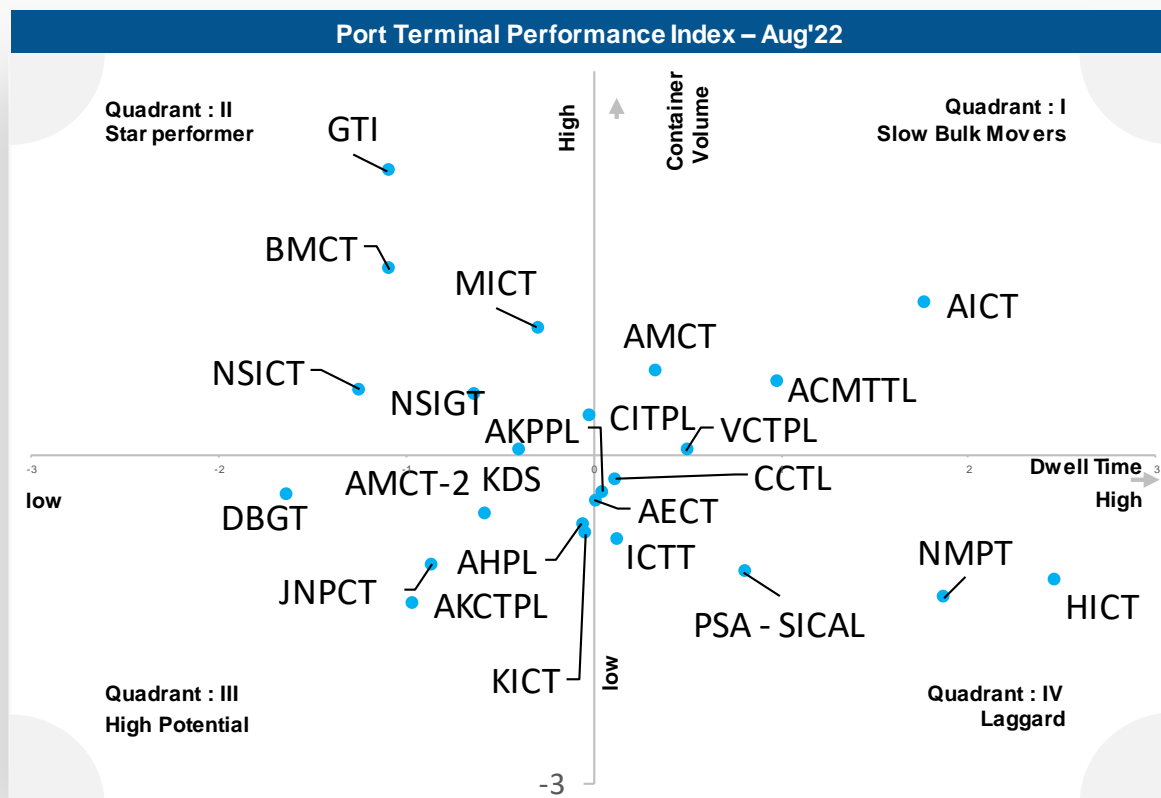
Covid-19 Impact – Eastern Corridor

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





Performance Benchmarking - Port Terminals



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



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

Top Performing Terminal	
Gateway Terminals India (GTI)	
Jul'22	Aug'22
42.9 Hrs	41.5 Hrs. 
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Jul'22	Aug'22
96.7 Hrs	115.9 Hrs 

Note: The performance benchmarking is based on performance index

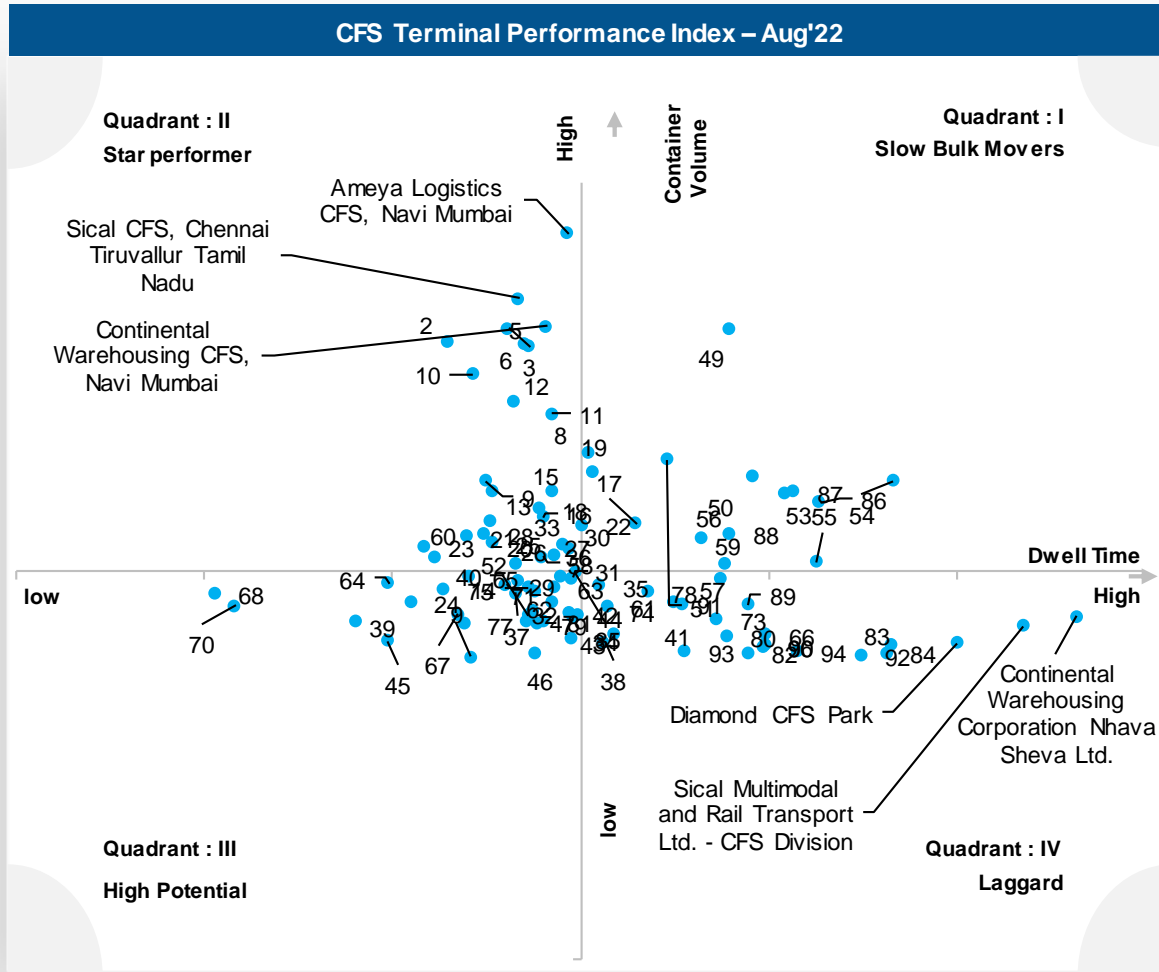
  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jul'22

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

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 Aug'22

Top Three Performing CFSs

CFS Name	Jul'22	Aug'22
Ameya Logistics CFS, Navi Mumbai	86.5 hrs	94.9 hrs ↓
Sical CFS, Chennai Tiruvallur Tamil Nadu	78.4 hrs	86.6 hrs ↓
Comtinenta Warehousing CFS, Navi Mumbai	80.5 hrs	91.3 hrs ↓

Bottom Three Performing CFSs

CFS Name	Jul'22	Aug'22
Continental Warehousing Corporation Nhava Sheva Ltd.	178.5 hrs	181.4 hrs ↓
Sical Multimodal and Rail Transport Ltd. – CFS Division	184.7 hrs	178.3 hrs ↑
Dimond CFS Park	146.9 hrs	161.0 hrs ↓

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

Performance Index - Summary

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

Star Performer

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

High Potential

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

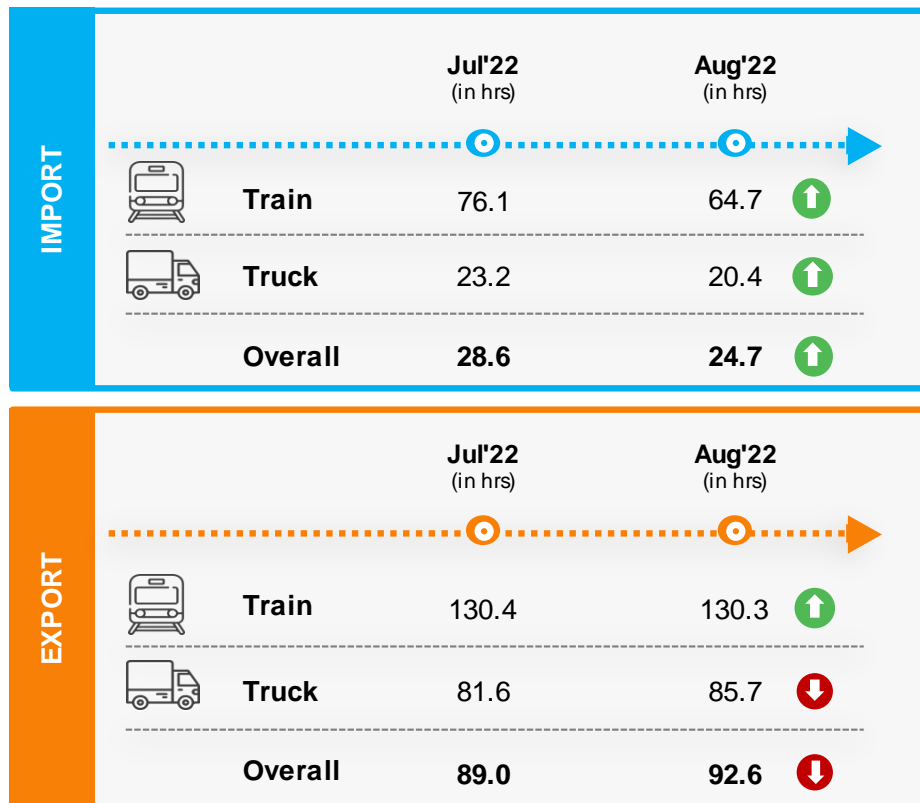
Slow Bulk Movers

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

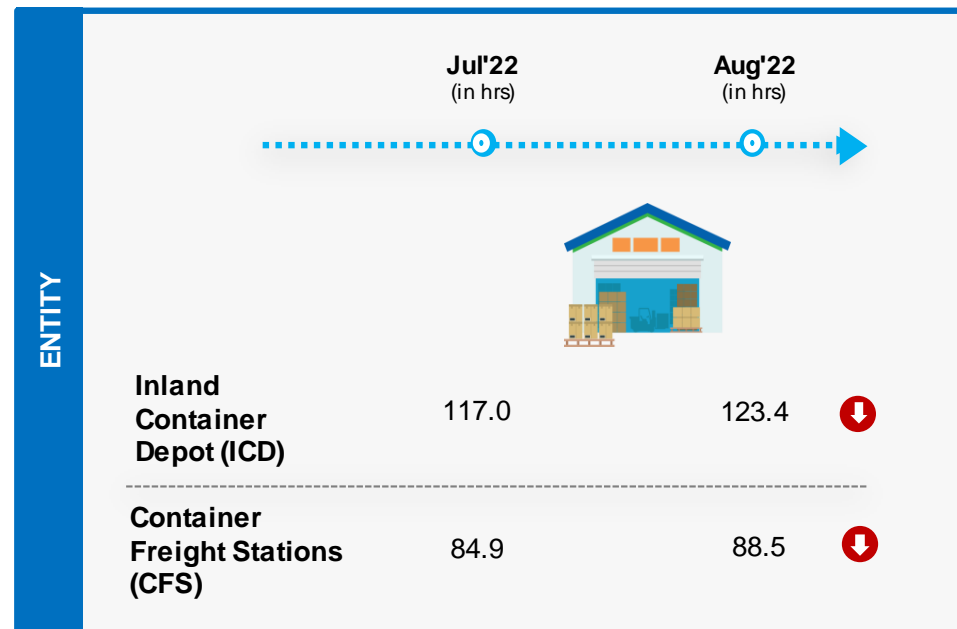
Laggard

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

Port Dwell Time



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



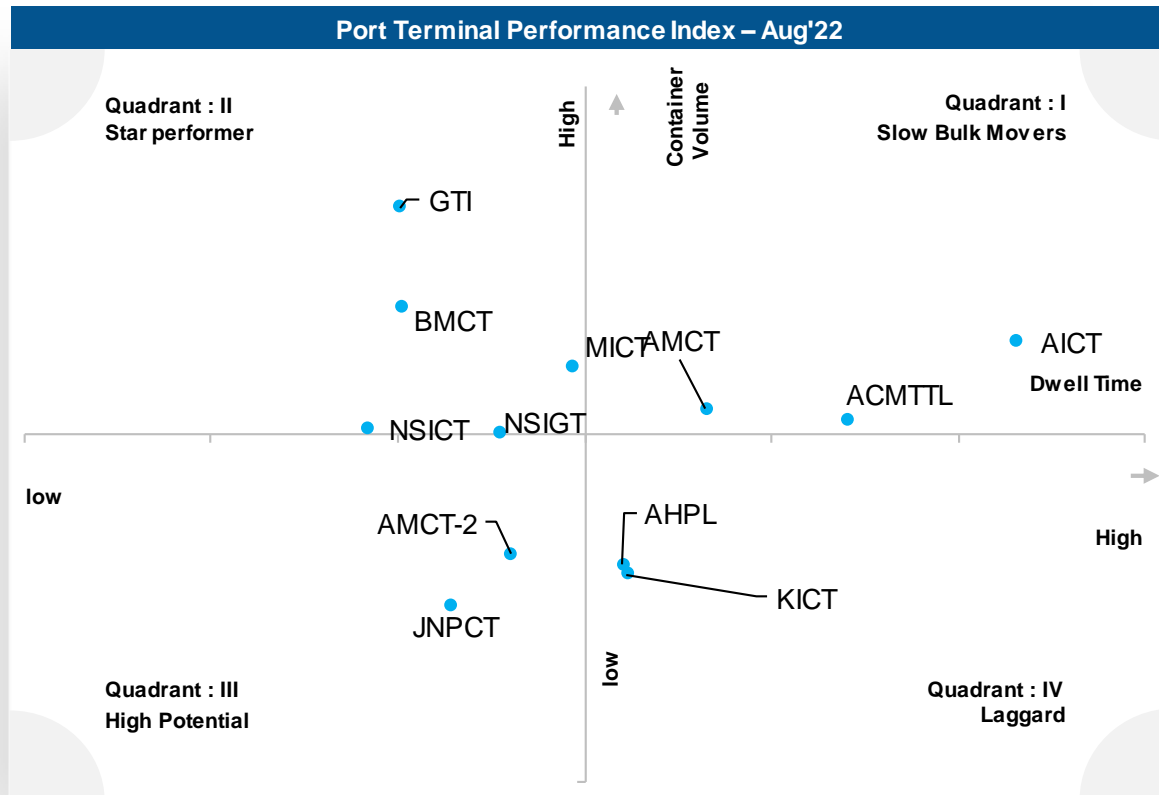
The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

Performance Benchmarking - Port Terminals

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



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

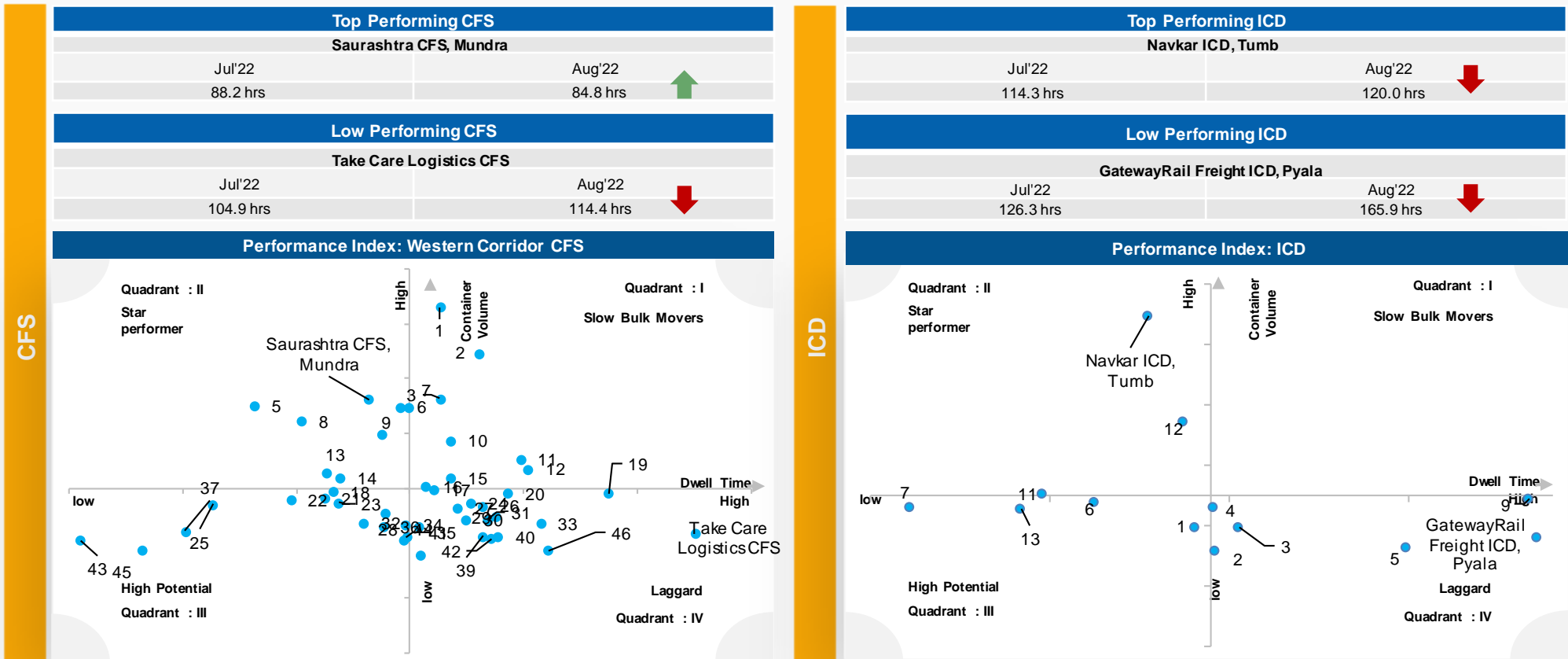
Top Performing Terminal	
Gateway Terminals India (GTI)	
Jul'22	Aug'22
42.9 Hrs	41.5 Hrs.
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Jul'22	Aug'22
89.7 Hrs	63.5 Hrs.

Note: The performance benchmarking is based on performance index

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

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

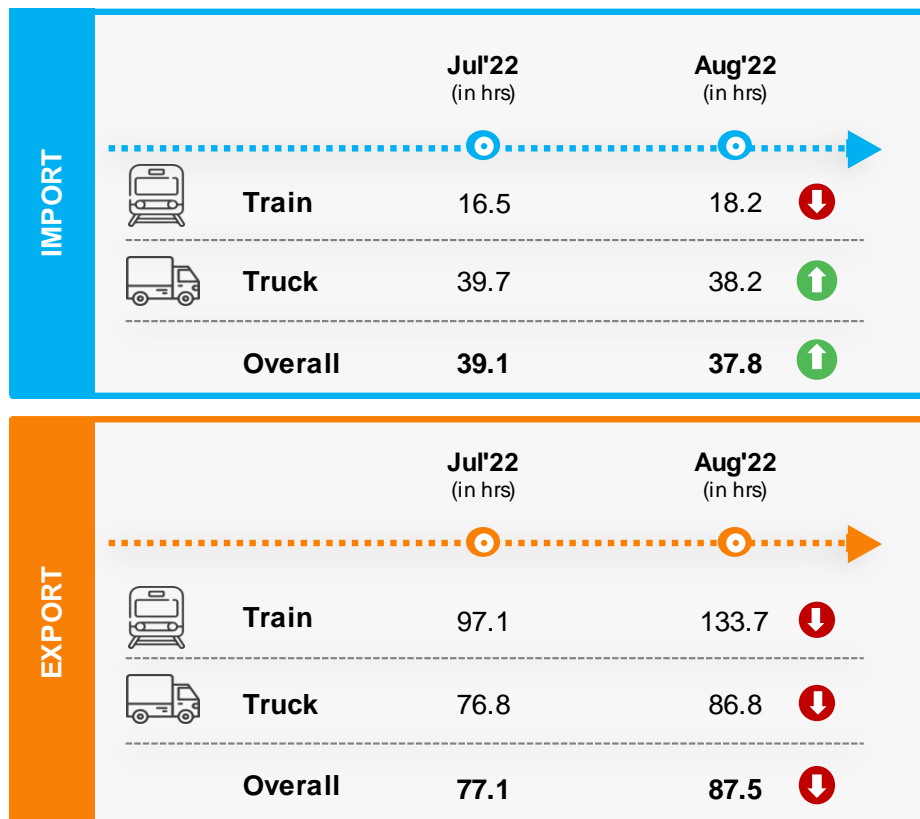


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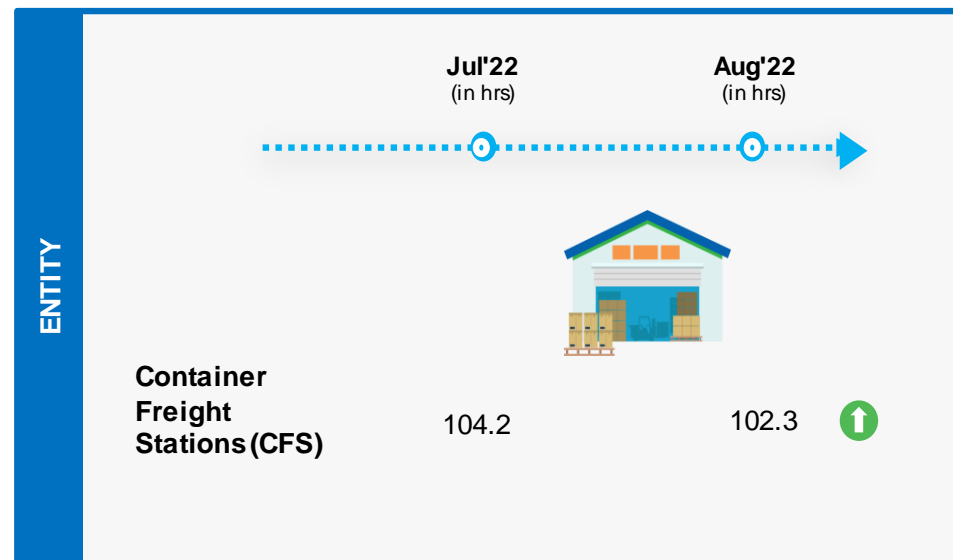
↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jul'22

Kindly refer to Annexure section f for the names of CFS

Port Dwell Time



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



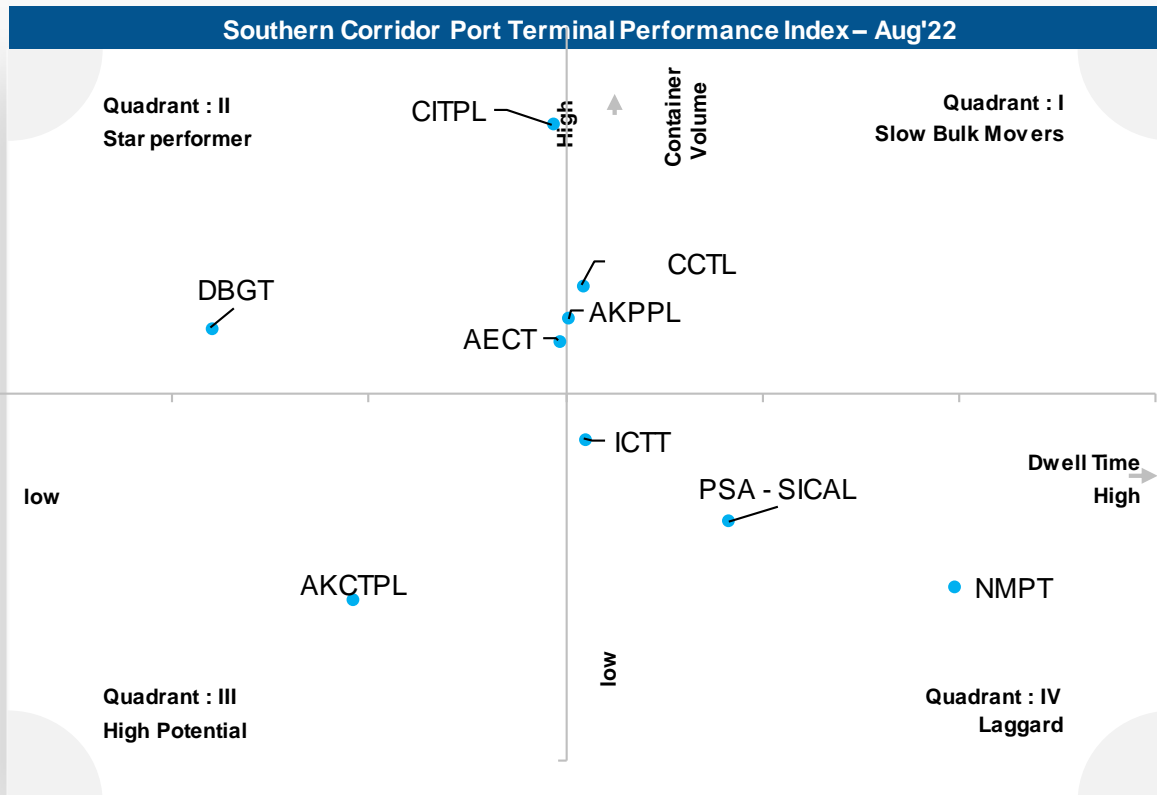
The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

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 Aug'22

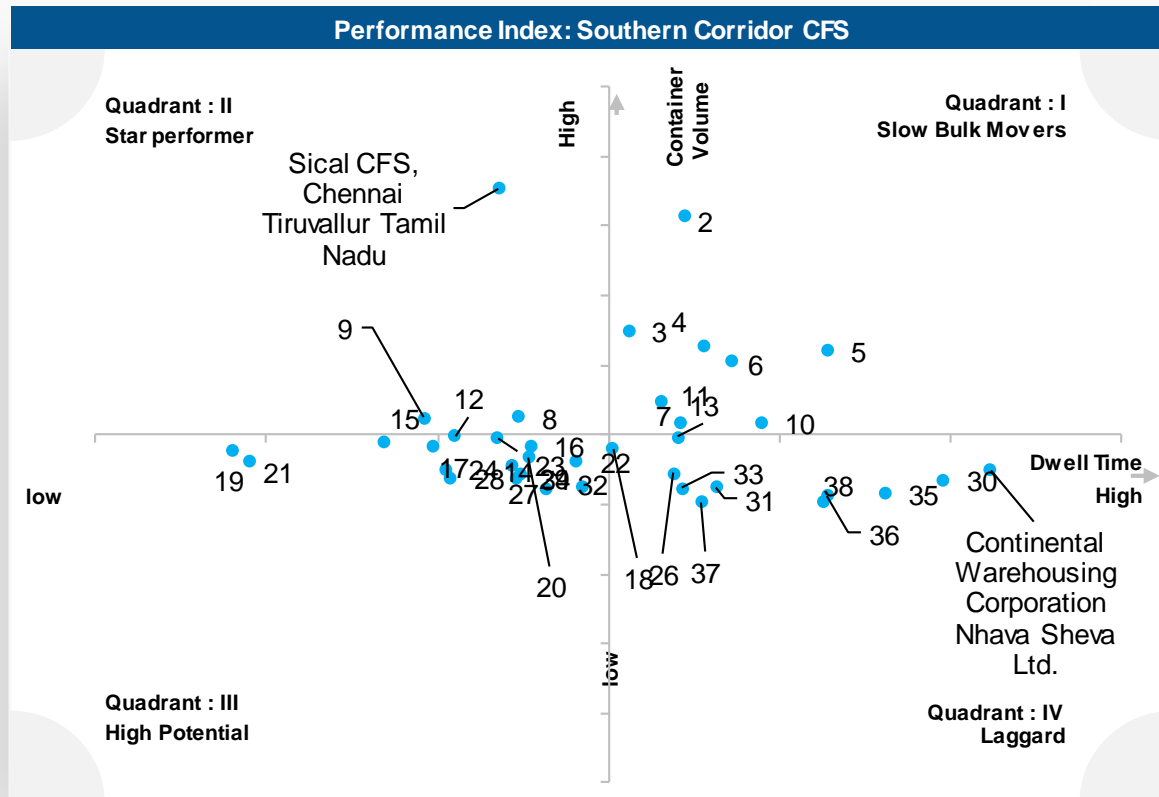
Top Performing Terminal	
Chennai International Terminals Pvt Ltd (CITPL)	
Jul'22	Aug'22
53.5 hrs	63.9 hrs
↓	
Low Performing Terminal	
New Mangalore Port Trust	
Jul'22	Aug'22
103.7 hrs	103.5 hrs
↑	

Note: The performance benchmarking is based on performance index

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

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



Kindly refer to Annexure section for the names of CFS

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

Top Performing Terminal	
Sical CFS, Chennai Tiruvallur Tamil Nadu	
Jul'22	Aug'22
78.4 hrs	86.6 hrs
Low Performing Terminal	
Continental Warehousing Corporation Nhava Sheva Ltd.	
Jul'22	Aug'22
178.5 hrs	181.4 hrs

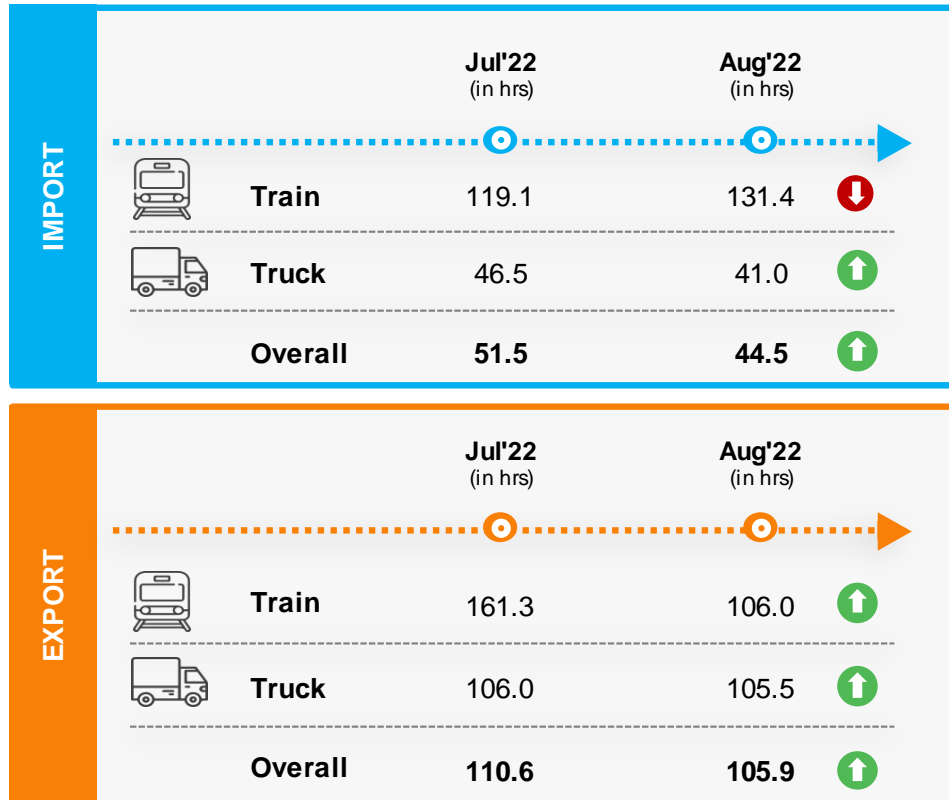
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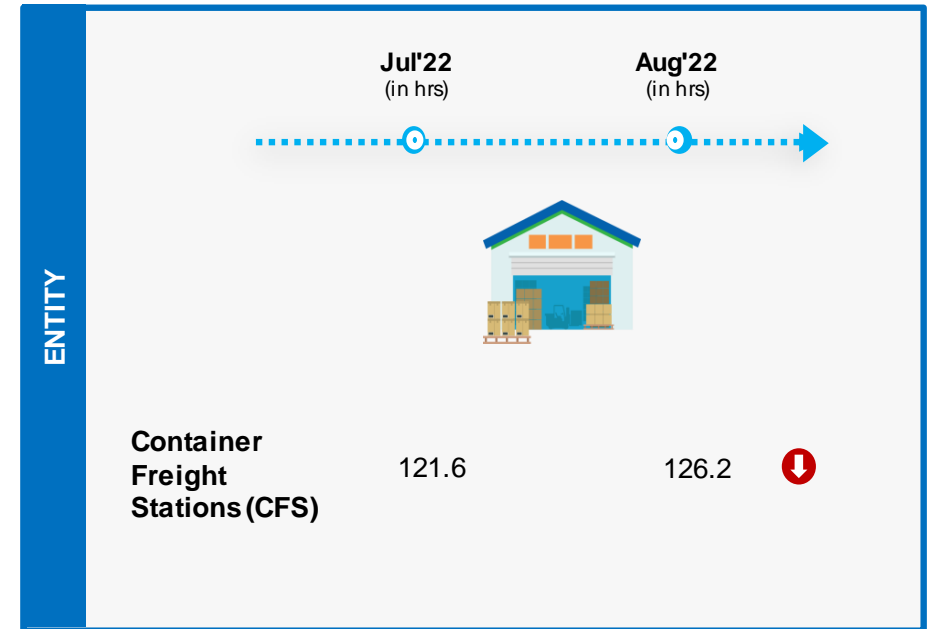
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High Potential Consist of entities which have catered relatively lower container volume in lower dwell time	Laggard Consist of entities which have catered relatively lower container volume at higher dwell time

Container Transportation Performance - Eastern Corridor

Port Dwell Time



Container Freight Stations(CFS)– Dwell Time



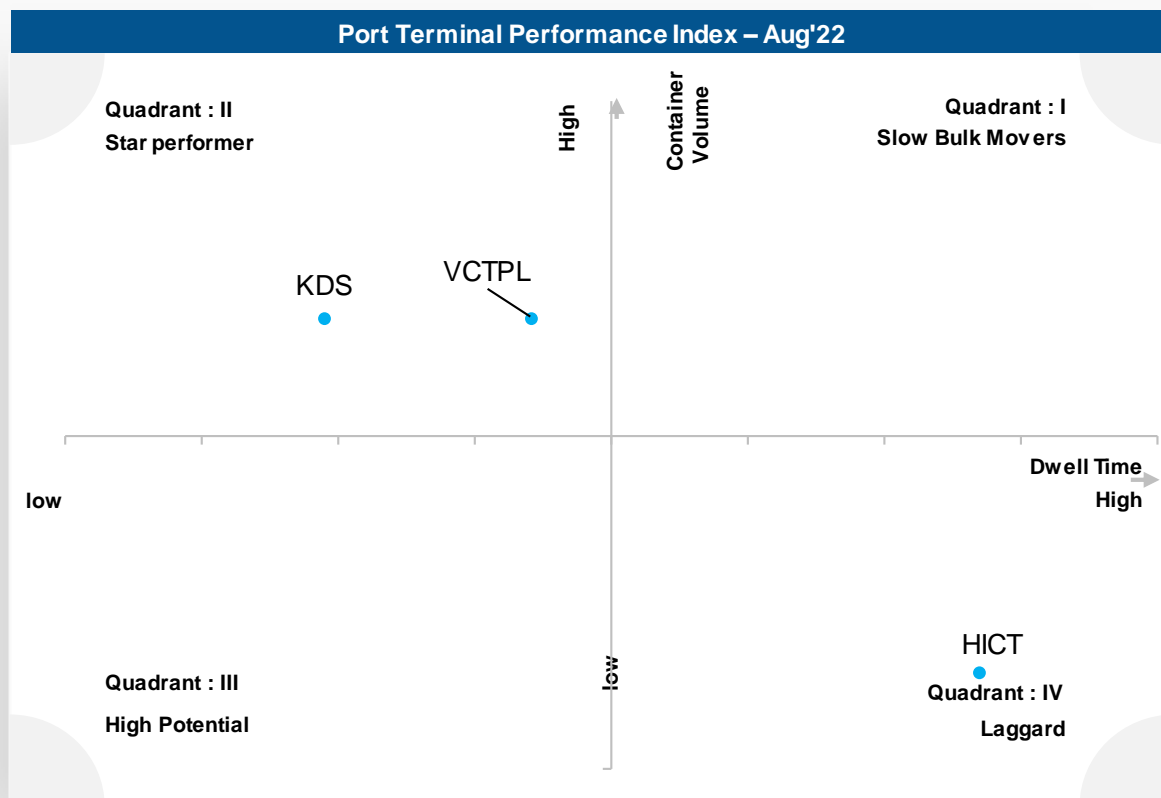
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The marked entries show case decrease in performance in comparison to Jul'22

Performance Benchmarking - Port Terminals

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



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

Top Performing Terminal		
Visakha Container Terminal (VCTPL)		
Jul'22	Aug'22	↑
75.0 hrs	74.9 hrs	

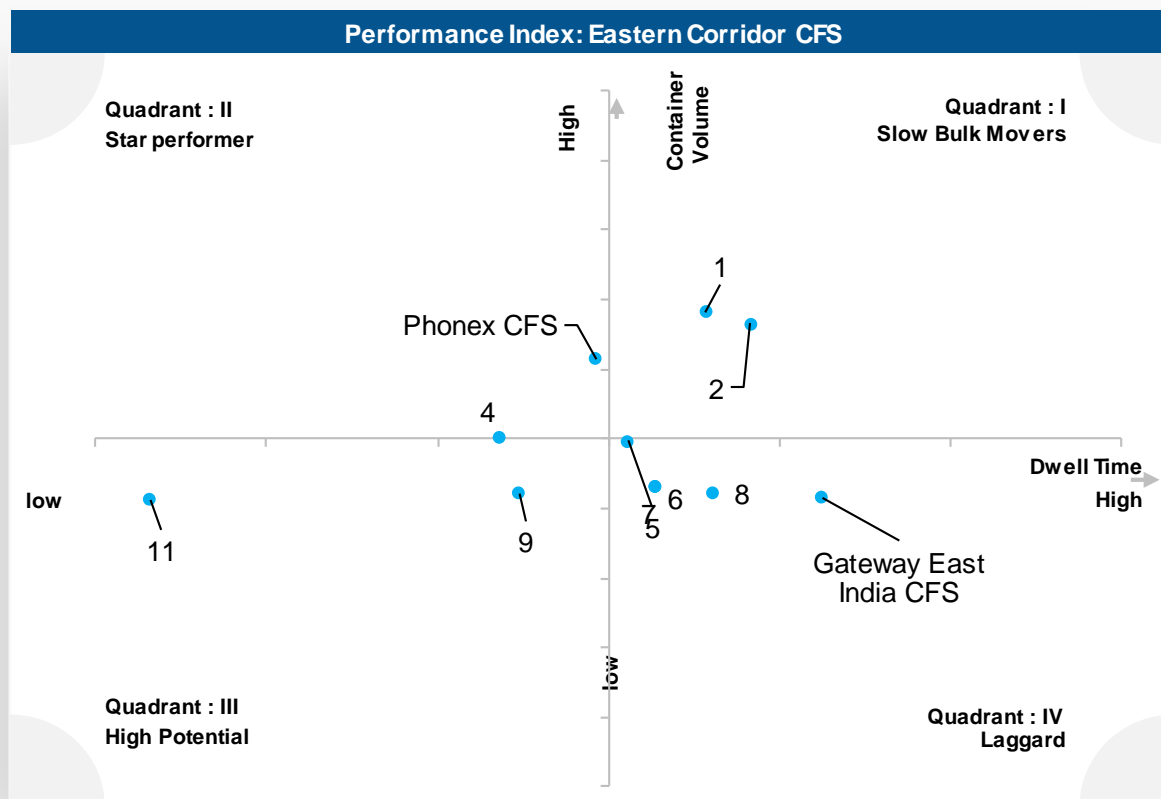
Low Performing Terminal		
Haldia International Container Terminal (HICT)		
Jul'22	Aug'22	↓
96.7 hrs	115.9 hrs	

Note: The performance benchmarking is based on performance index

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

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

Performance Benchmarking - CFSs



Kindly refer to Annexure section for the names of CFS

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

Top Performing Terminal	
Phonex CFS	
Jul'22	Aug'22
141.8 hrs	122.5 hrs
Low Performing Terminal	
Gateway East India CFS	
Jul'22	Aug'22
149.0 hrs	144.8 hrs

Note: The performance benchmarking is based on performance index

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

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

Annexure



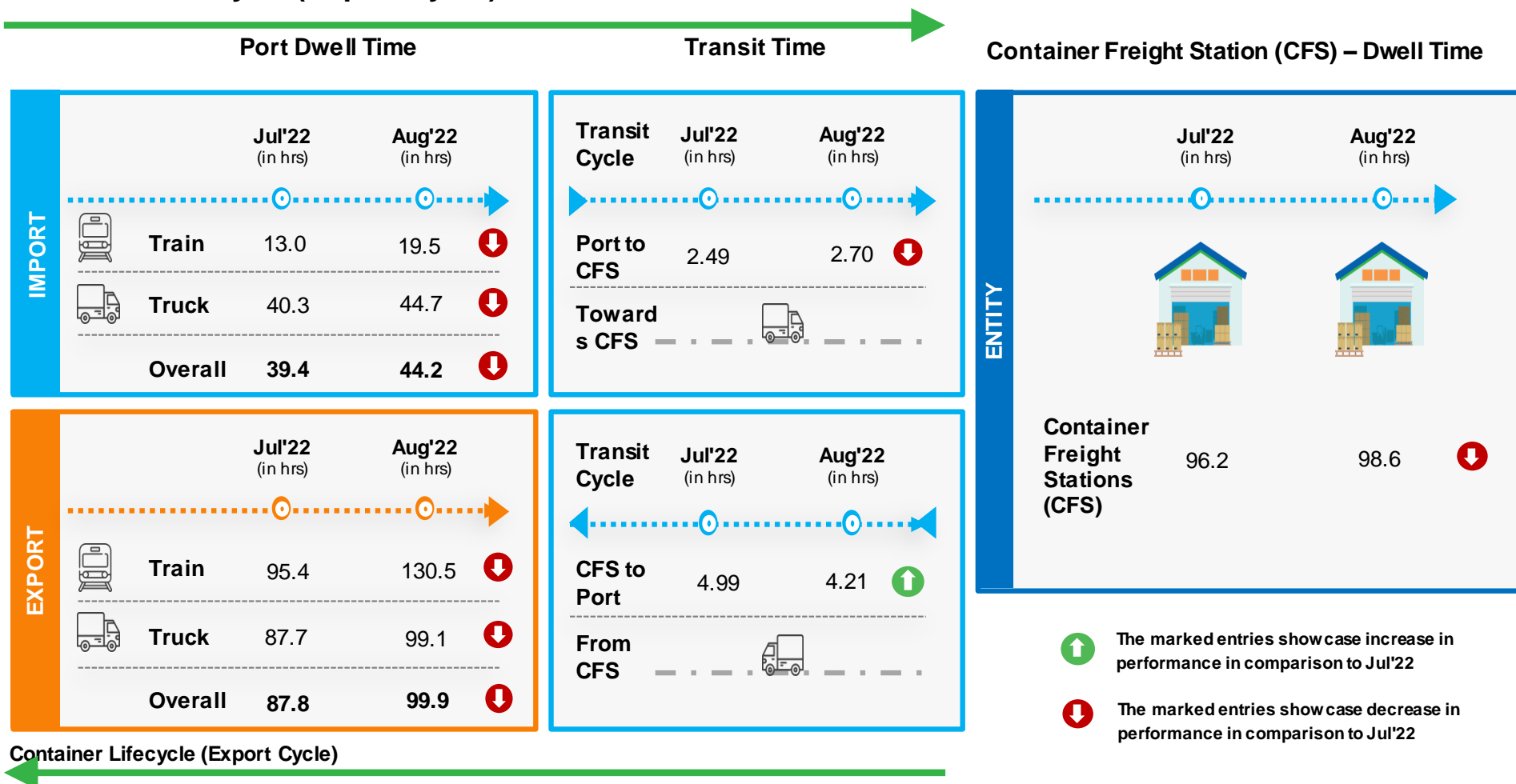


Individual Terminal
Performance In

Southern Corridor

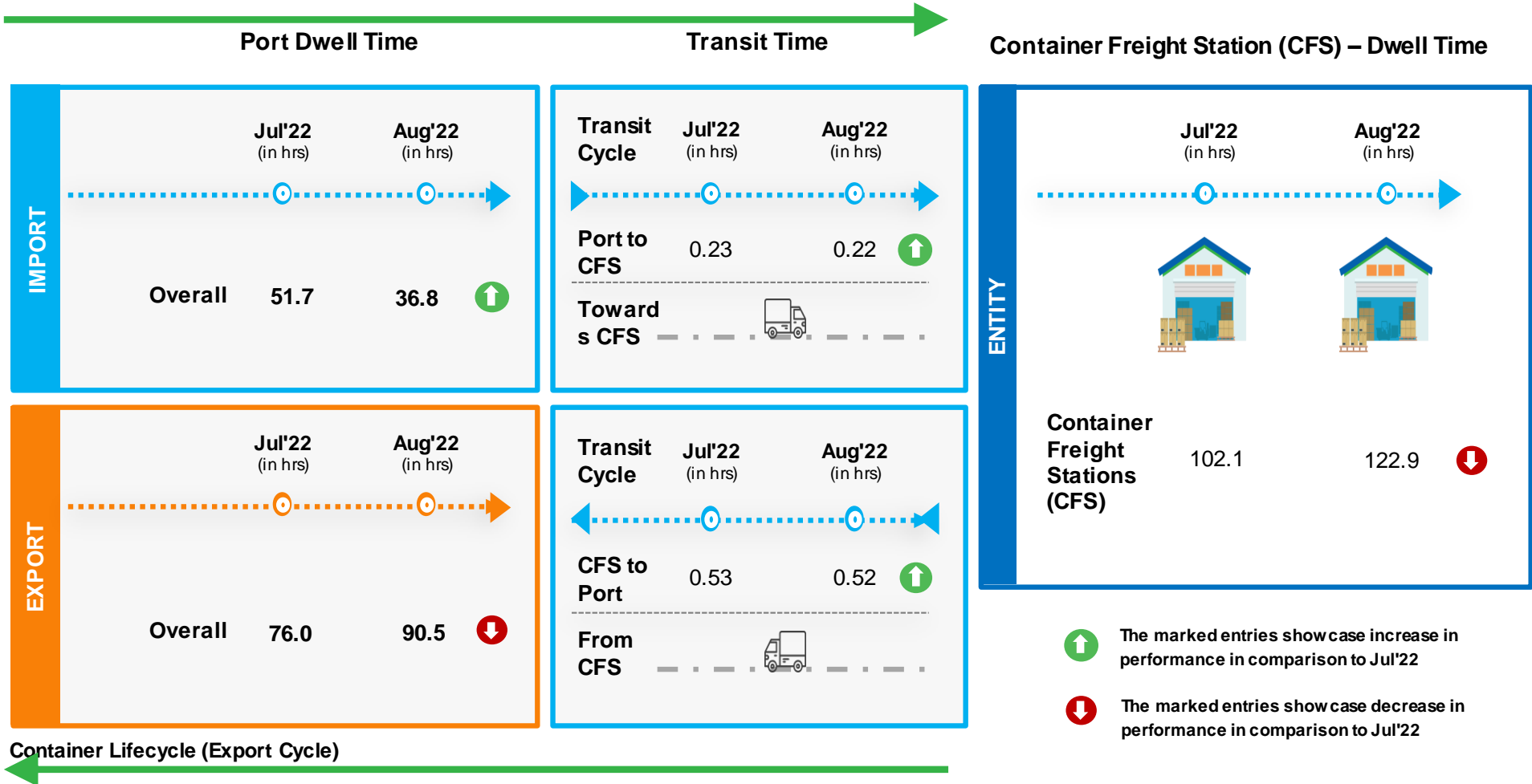
Chennai Port Terminals: Container Transportation

Container Lifecycle (Import Cycle)



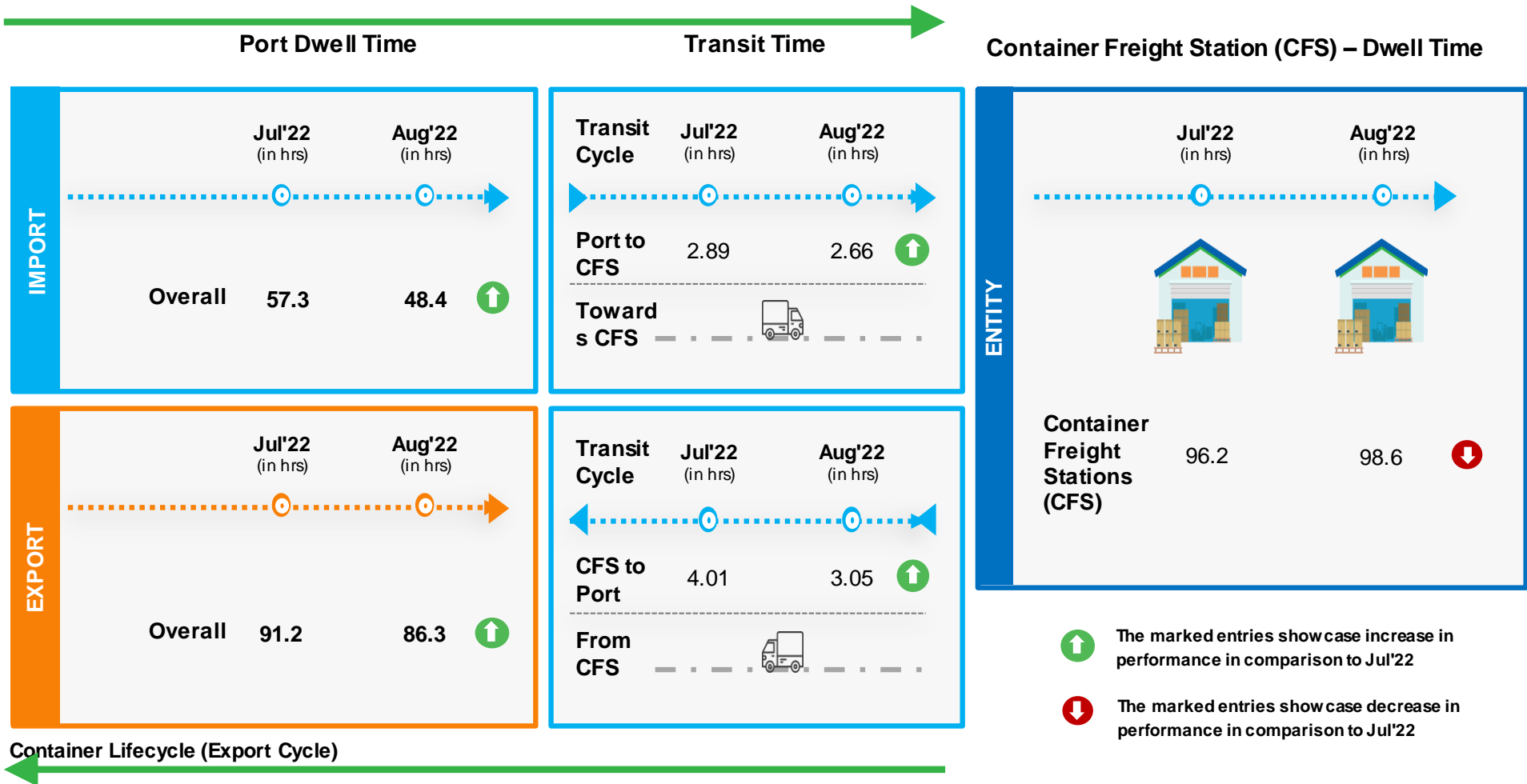
Kochi Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



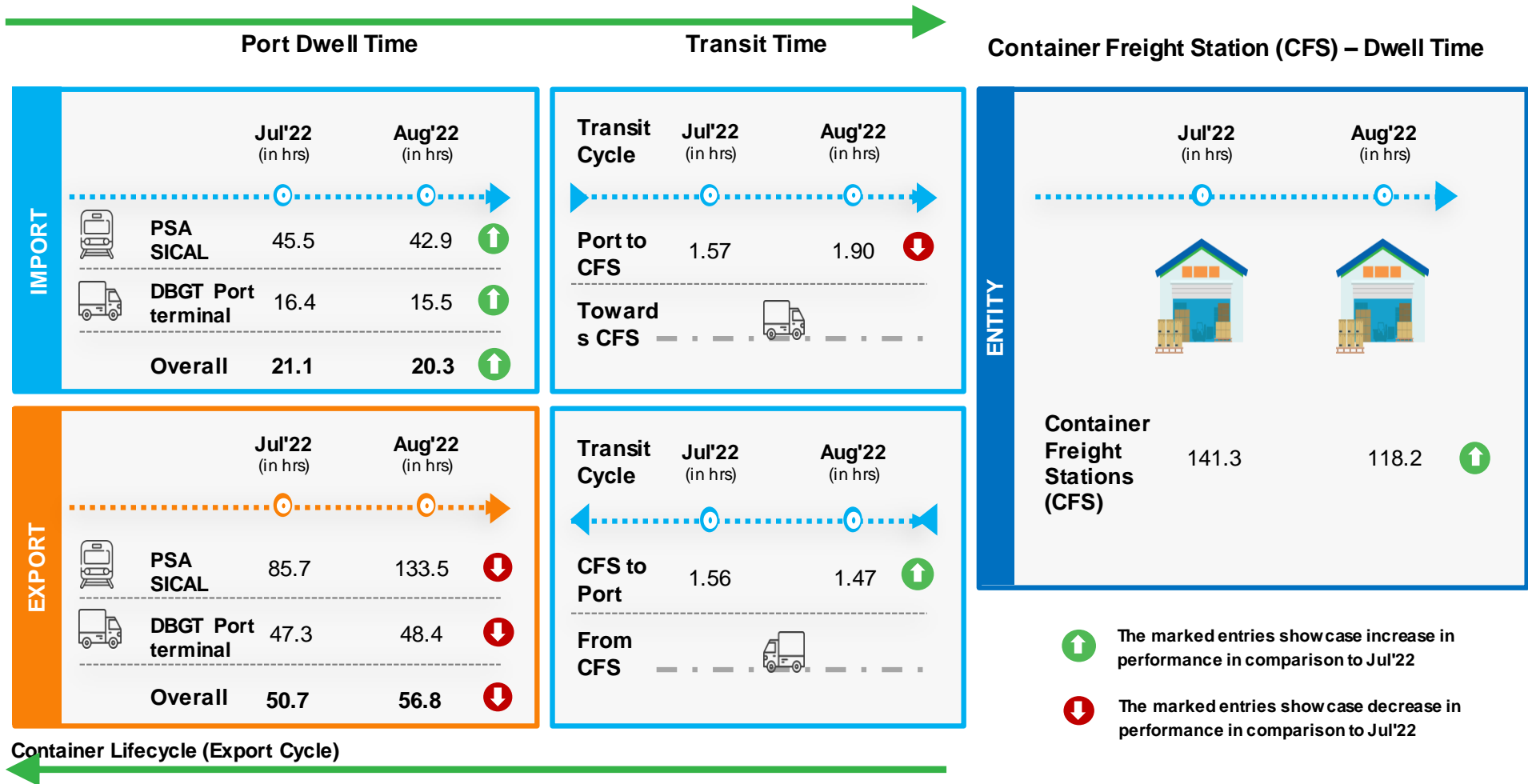
Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



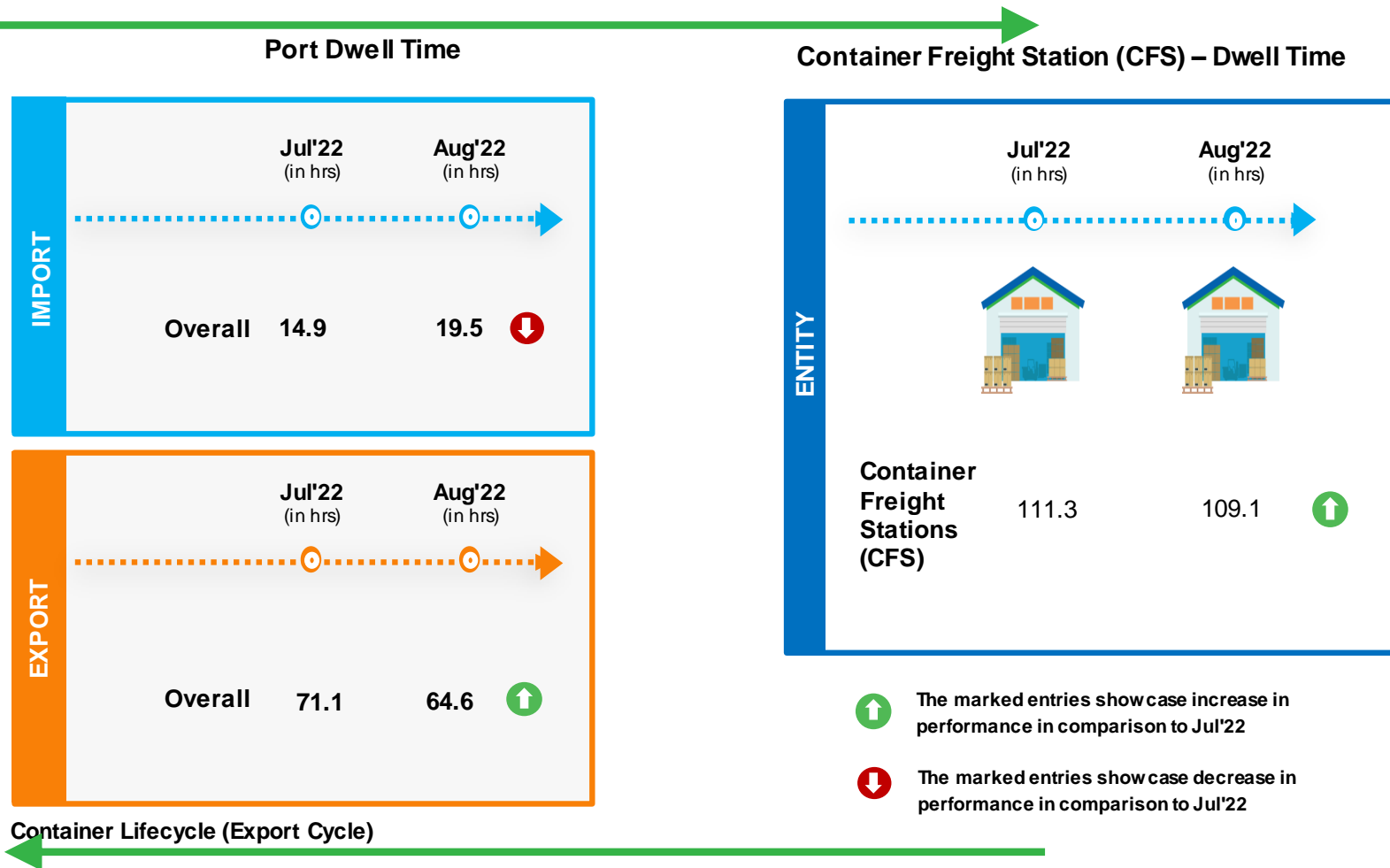
Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT		Jul'22 (in hrs)	Aug'22 (in hrs)	
	Train	22.5	17.0	↑
	Truck	43.7	34.5	↑
	Overall	42.5	33.8	↑

EXPORT		Jul'22 (in hrs)	Aug'22 (in hrs)	
	Train	97.2	159.2	↓
	Truck	95.5	114.9	↓
	Overall	95.6	116.0	↓

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

ENTITY		Jul'22 (in hrs)	Aug'22 (in hrs)	
	Container Freight Stations (CFS)	96.2	98.6	↓

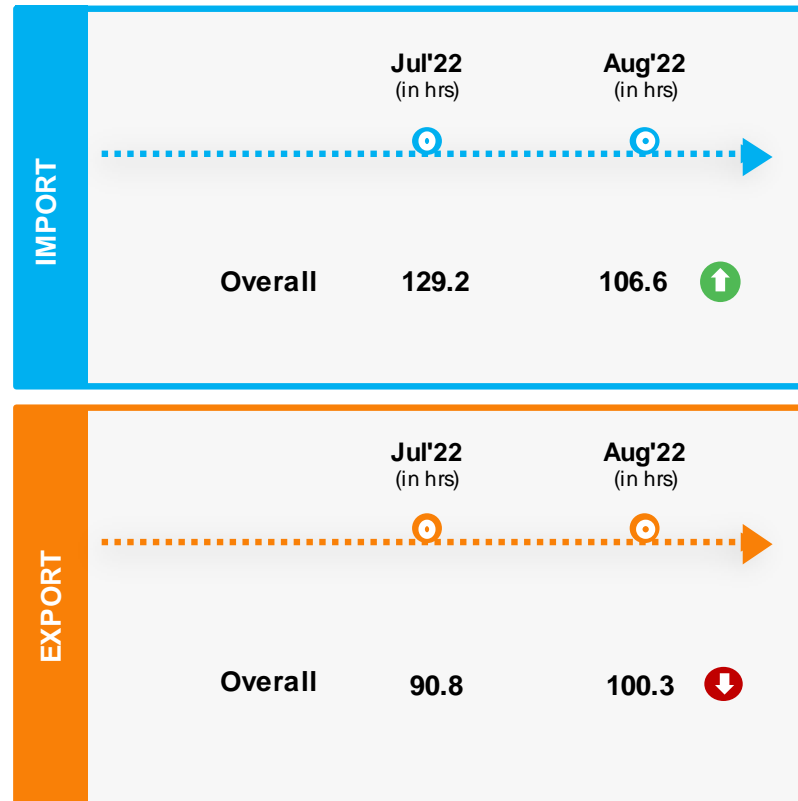


The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

Port Dwell Time



The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

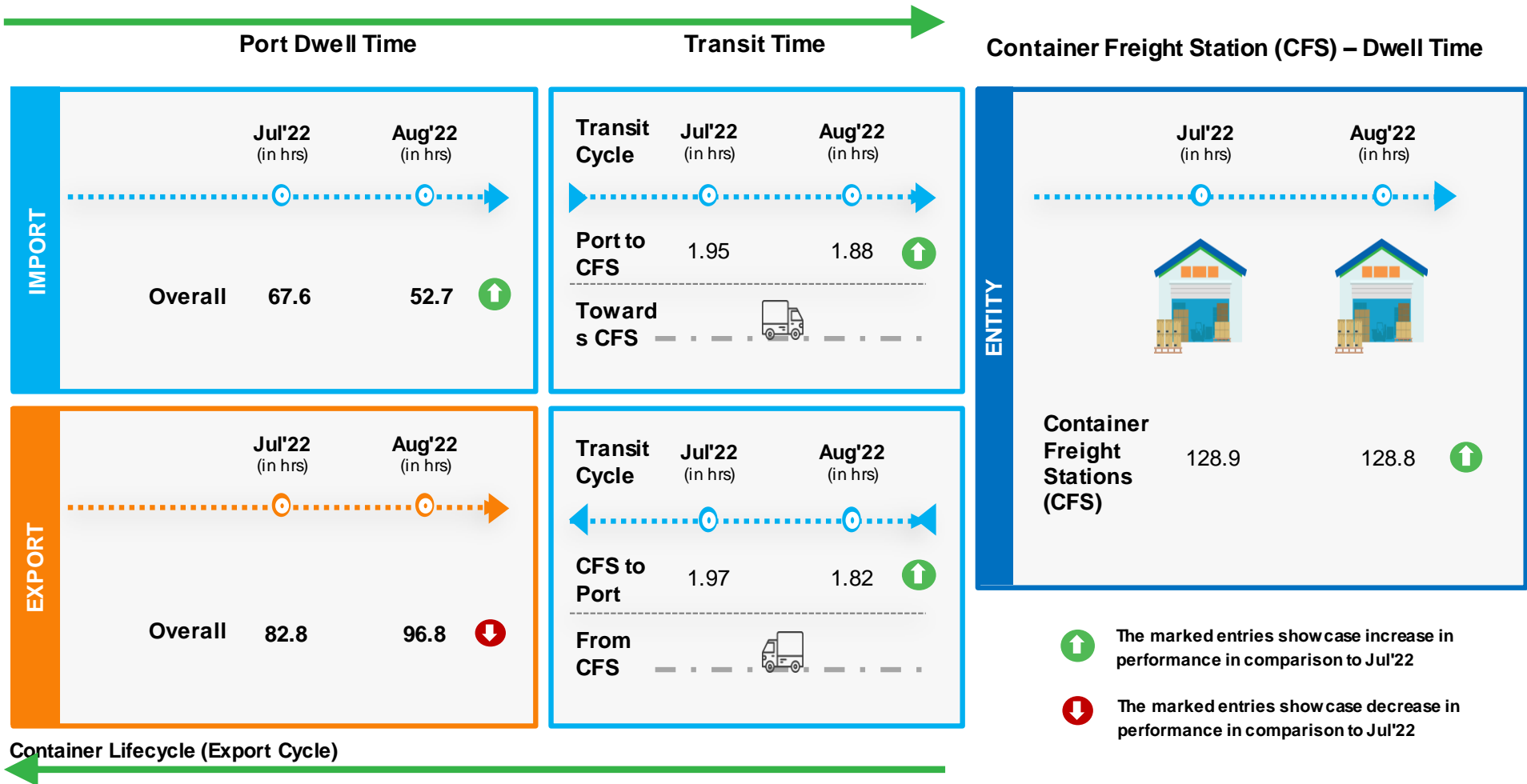


Individual Terminal Performance In Eastern Corridor



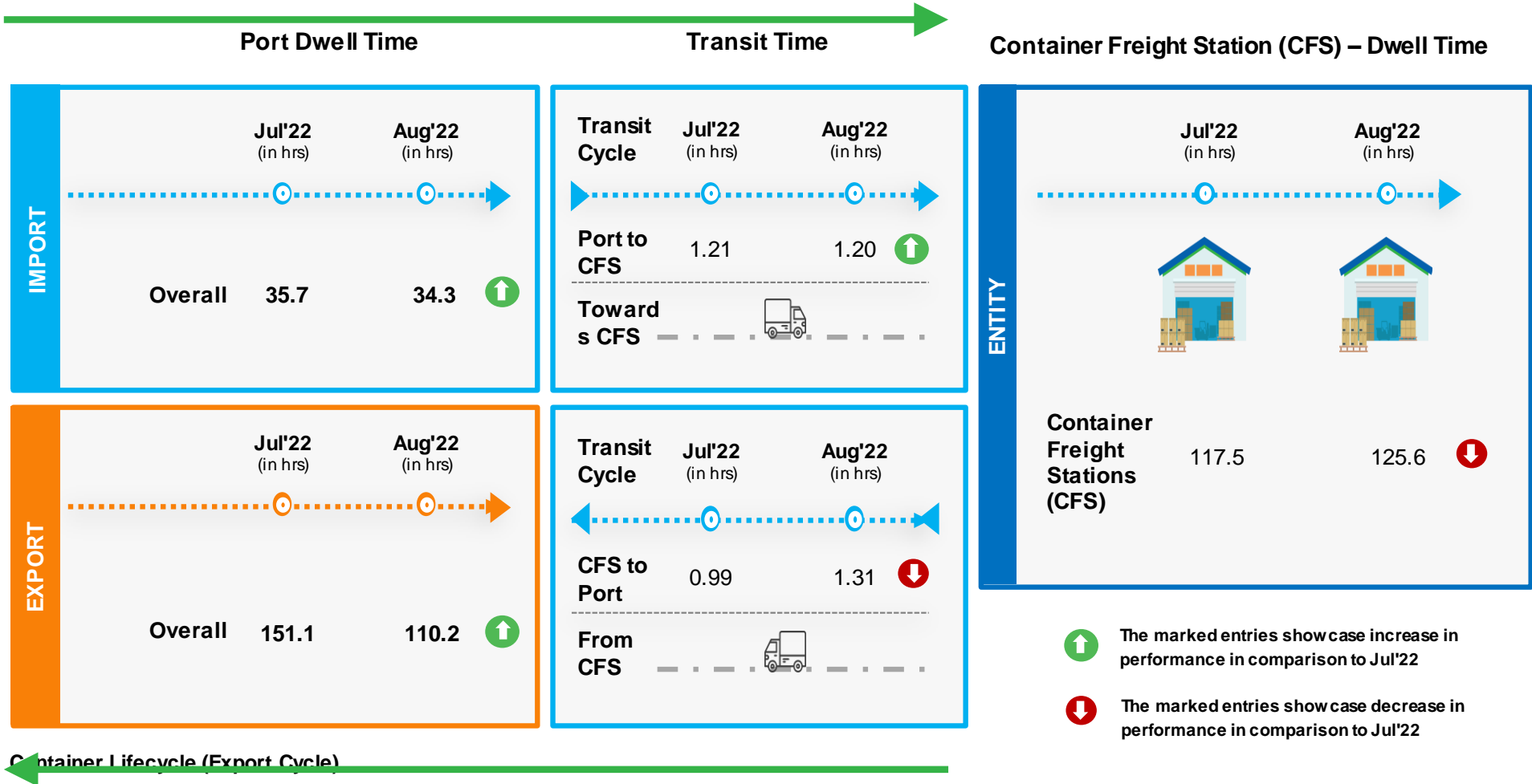
Vishakhapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



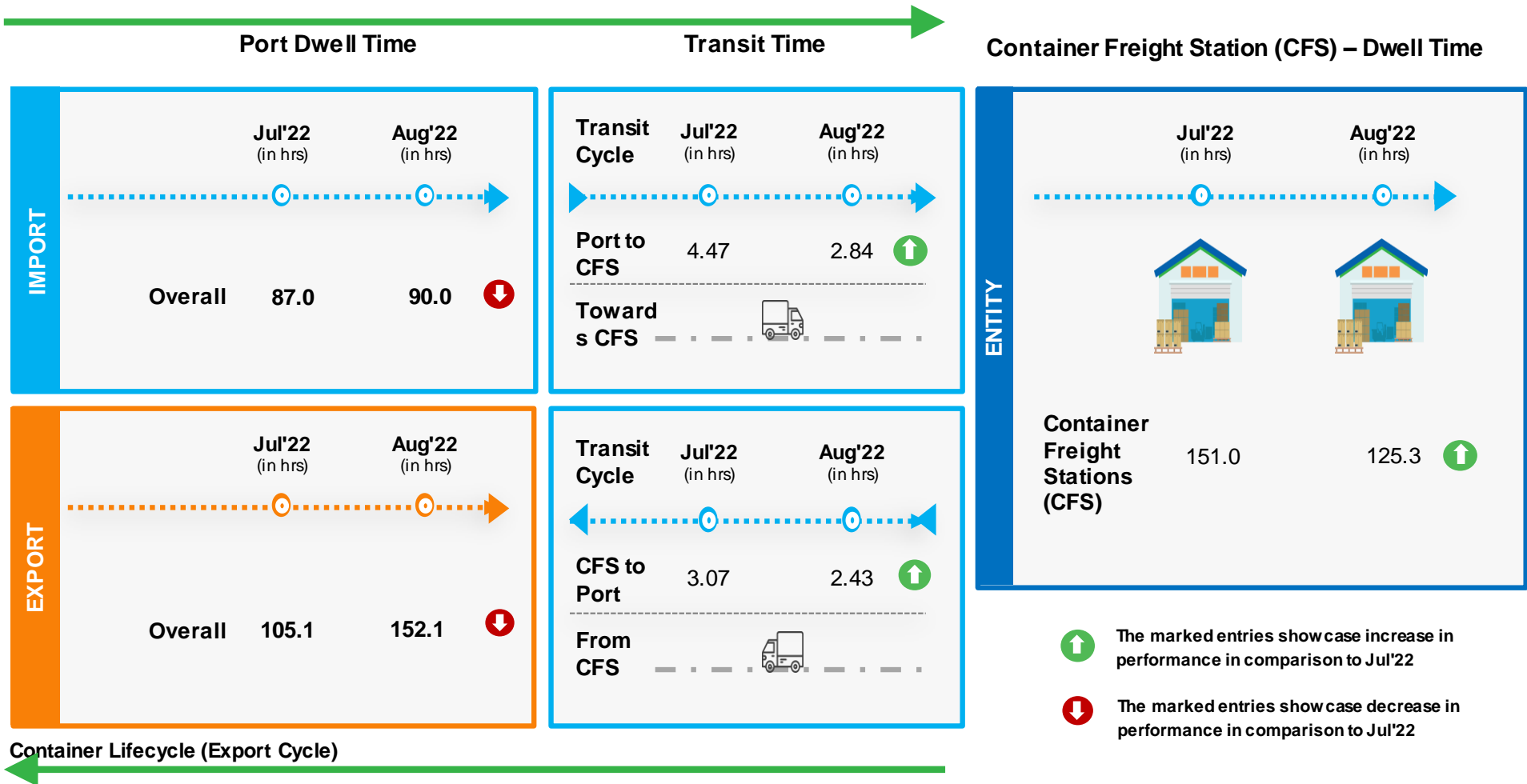
Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



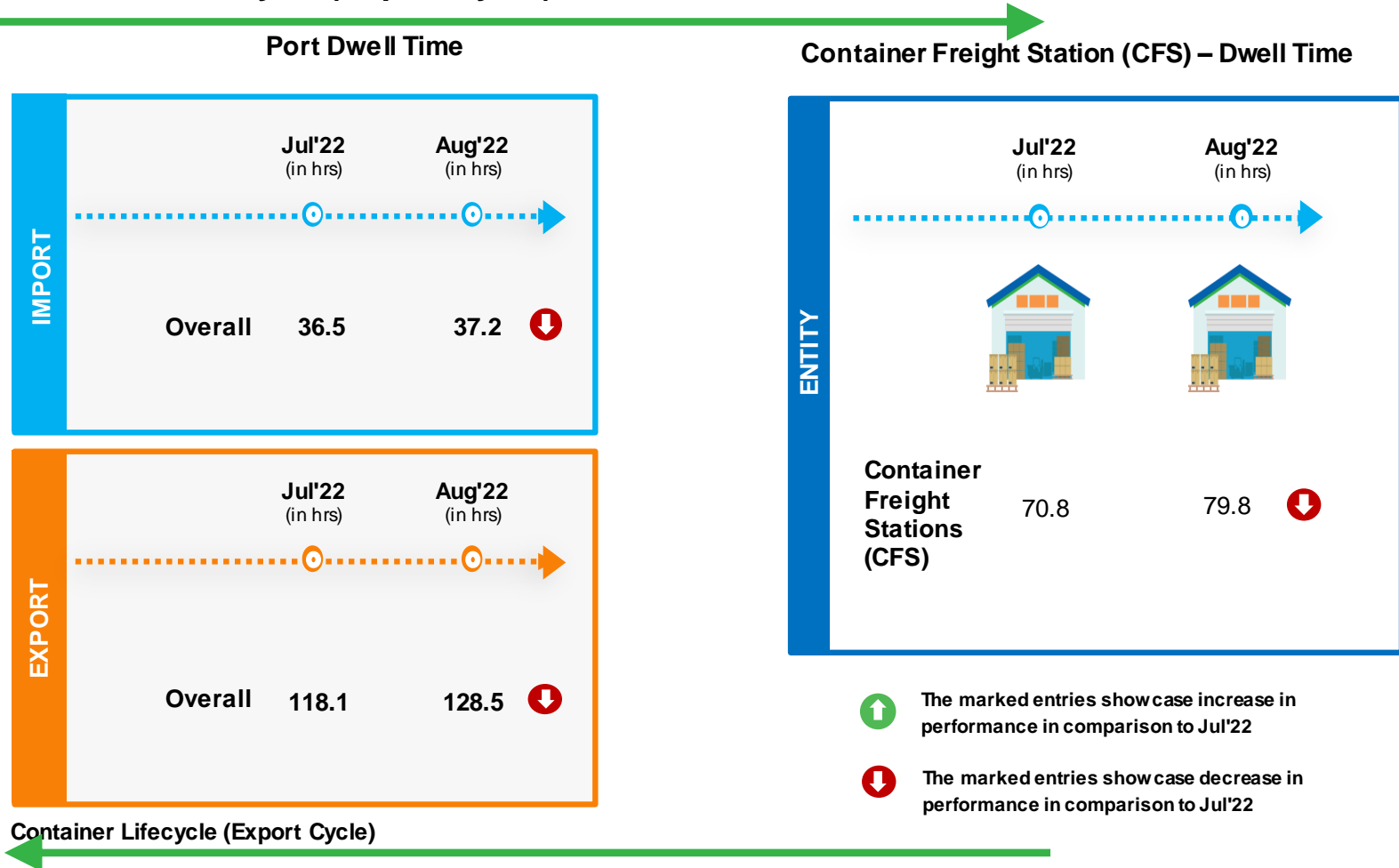


Individual Terminal Performance In Western Corridor



Pipavav Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Port Dwell Time



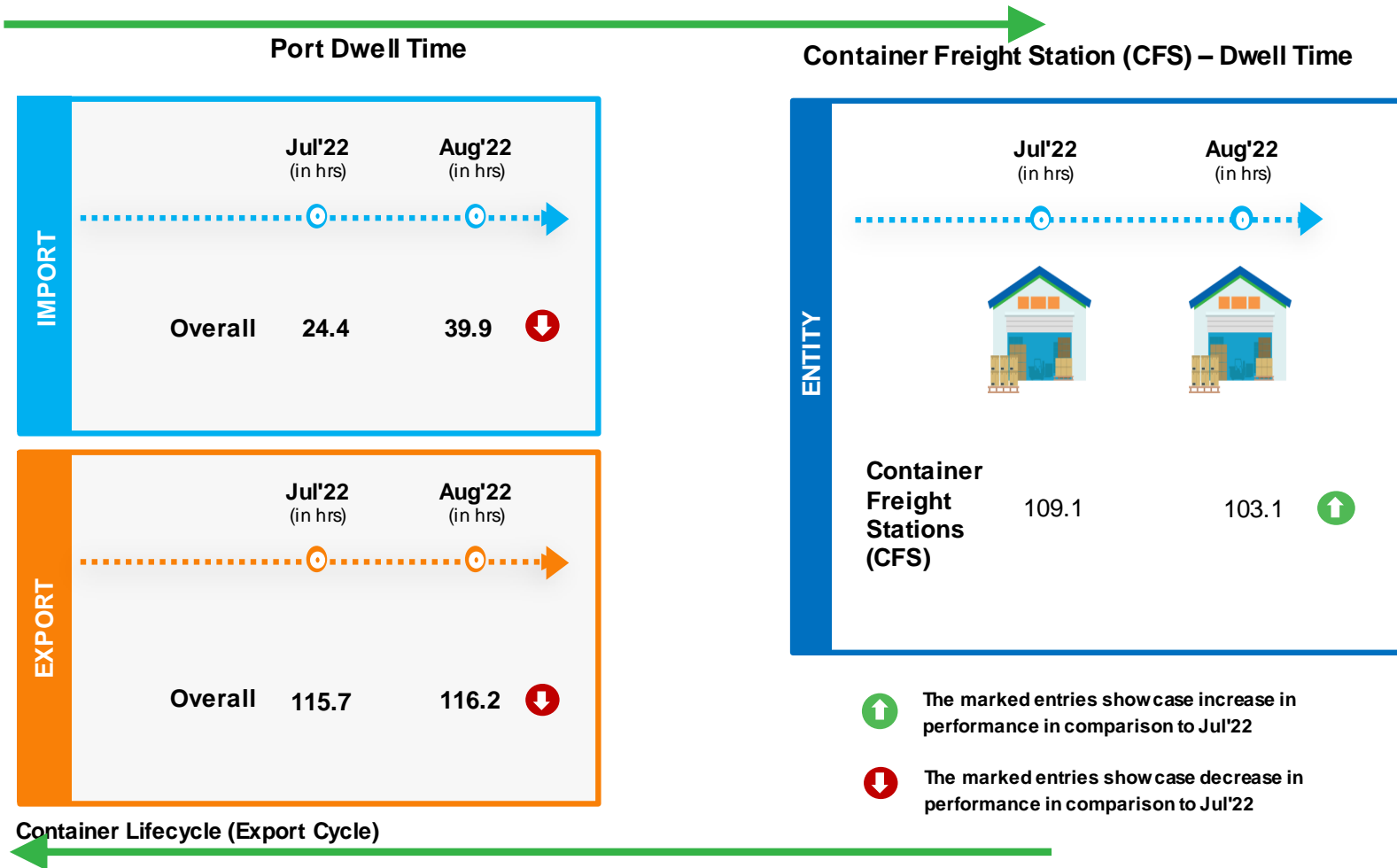
The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

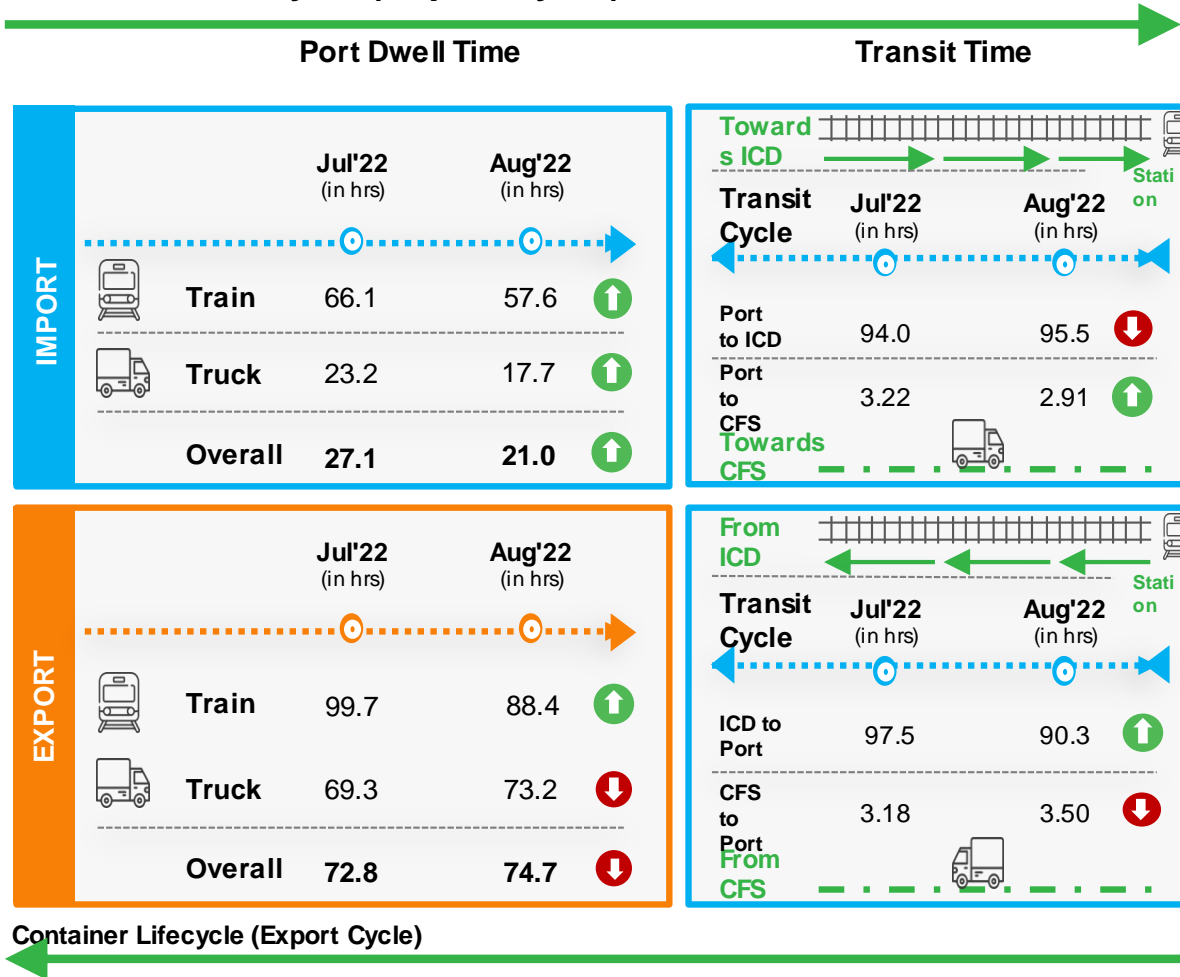
Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

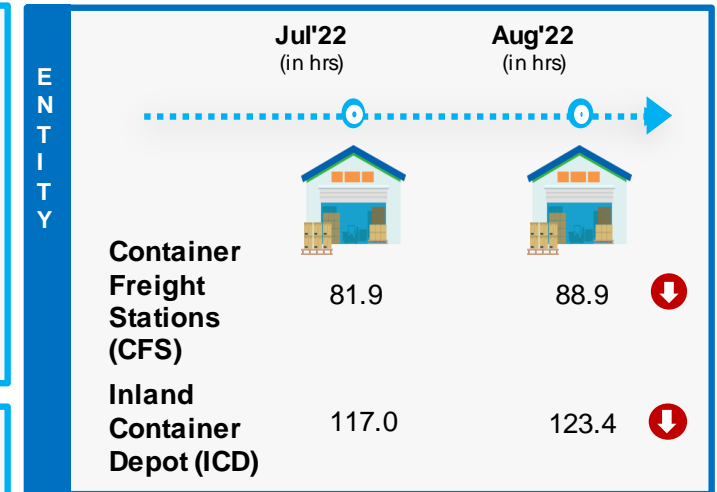


Container Transportation- JNPA Port Terminals

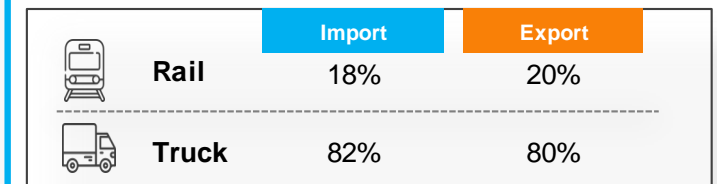
Container Lifecycle (Import Cycle)



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



Volume distribution at port terminal – Truck/Rail



The marked entries show case increase in performance in comparison to Jul'22



The marked entries show case decrease in performance in comparison to Jul'22

Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Aug'22 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	21.0	22.5%	↑
	Port Dwell Time for Truck Bound Containers	17.7	23.7%	↑
	Port Dwell time for Train Bound Containers	57.6	12.9%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	33.2	17.8%	↑
	Port Dwell time Containers bound for CFS	15.8	24.8%	↑
	Port Dwell for Empty Containers	31.7	21.1%	↑
	Port Dwell for Laden Containers	19.0	23.1%	↑
Transit time	Port to ICD	95.5	1.6%	↓
	Port to CFS	2.91	9.6%	↑
EXPORT CYCLE DWELL TIME (Aug'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	74.7	2.6%	↓
	Port Dwell Time for Truck Bound Containers	73.2	5.6%	↓
	Port Dwell time for Train Bound Containers	88.4	11.3%	↑
	Port Dwell time Direct Port Entry (DPE) containers	79.5	1.5%	↓
	Port Dwell time Containers bound from CFS	74.6	7.5%	↓
	Port Dwell for Empty Containers	62.6	3.5%	↓
	Port Dwell for Laden Containers	78.6	2.6%	↓
Transit time	ICD to Port	90.3	7.4%	↑
	CFS to Port	3.50	10.1%	↓

Compared
to Jul'22

Compared
to Jul'22



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

JNPA Region: Parking Plaza Dwell Time Analysis

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

Parking Plaza Gate In – Gate Out

Mode	Jul'22 (in hrs)	Aug'22 (in hrs)
Overall Parking Plaza	5.76	5.60

Container Handled: Day wise (Aug'22)

Parking Plaza	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPA Central Parking Plaza	54%	42%	4%

Parking Plaza Gate Out – Terminal In

Mode	Jul'22 (in hrs)	Aug'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.32	1.31

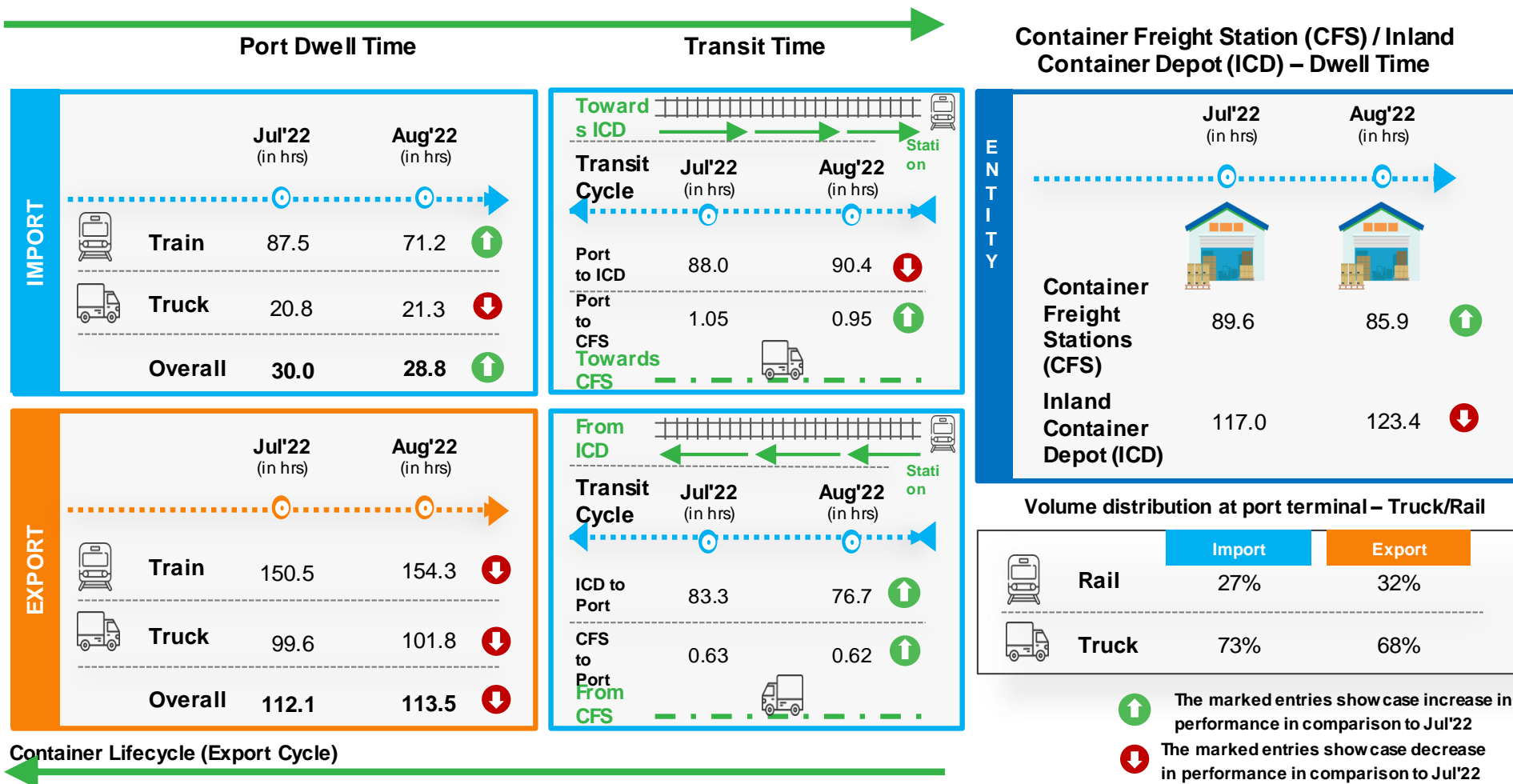
Port	Jul'22 (in hrs)	Aug'22 (in hrs)
JNPCT	1.3	1.0
NSICT	1.2	1.3
GTI	0.7	0.6
NSIGT	1.1	1.2
BMCT	3.1	4.2

Container Handled: Day wise (Aug'22)

Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	97%	3%	0%
NSICT	96%	3%	1%
GTI	99%	1%	0%
NSIGT	98%	2%	0%
BMCT	73%	27%	0%

Mundra Port Terminal : Container Transportation



Container Lifecycle (Import Cycle)



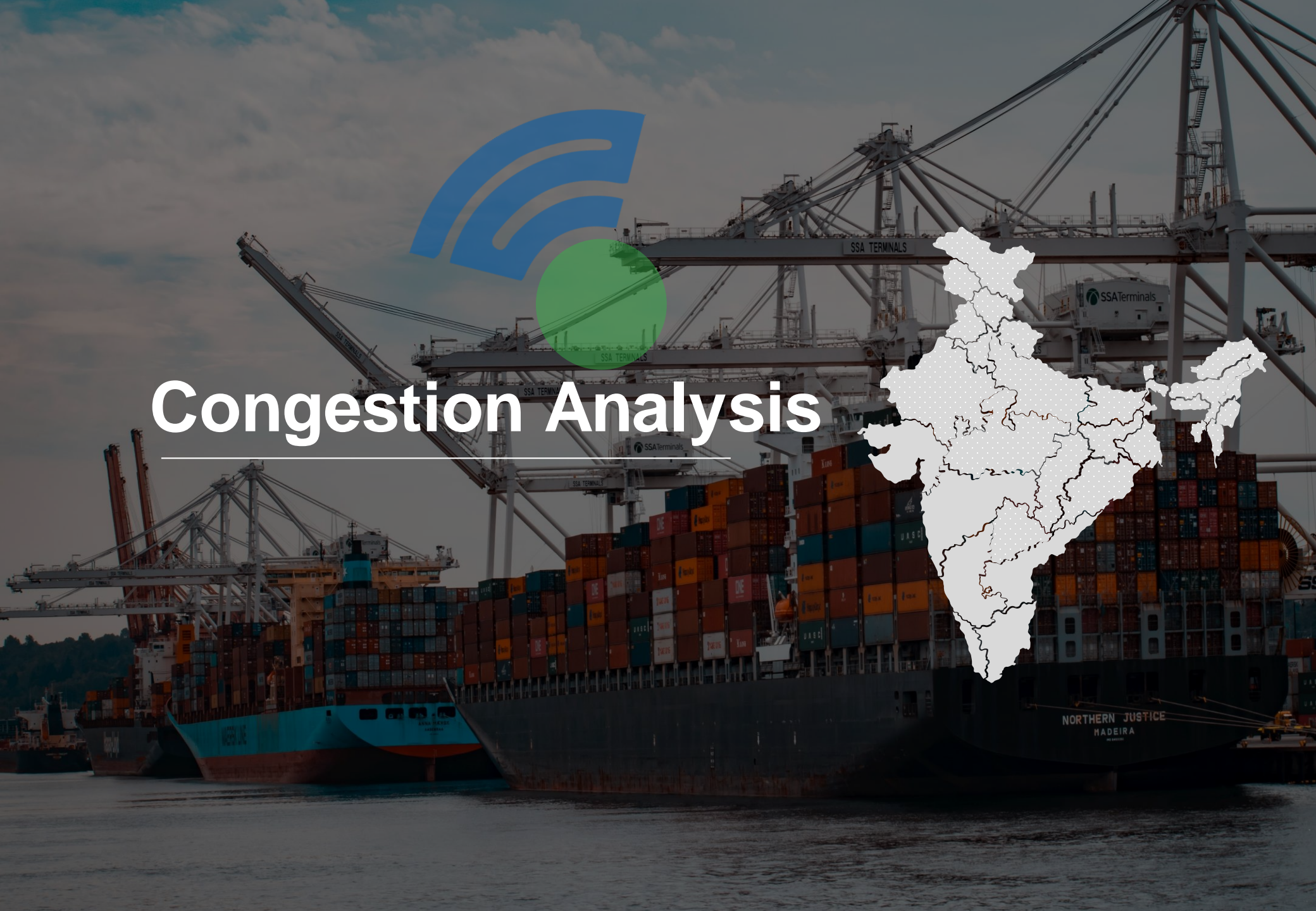
Container Transportation- Mundra Port Terminal

IMPORT CYCLE DWELL TIME (Aug'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	28.8	4.0%	↑
	Port Dwell Time for Truck Bound Containers	21.3	2.4%	↓
	Port Dwell time for Train Bound Containers	71.2	18.6%	↑
Transit time	Port to ICD	90.4	2.7%	↓
	Port to CFS	0.95	9.5%	↑
EXPORT CYCLE DWELL TIME (Aug'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	113.5	1.2%	↓
	Port Dwell Time for Truck Bound Containers	101.8	2.3%	↓
	Port Dwell time for Train Bound Containers	154.3	2.5%	↓
Transit time	ICD to Port	76.7	7.9%	↑
	CFS to Port	0.62	1.6%	↑

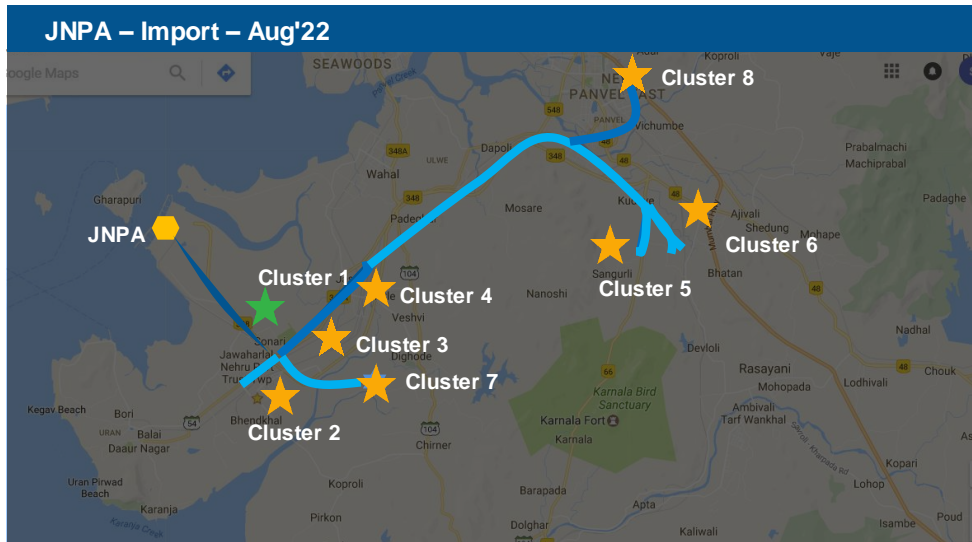
Compared to Jul'22



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

Congestion Analysis



JNPA Region: Congestion Analysis

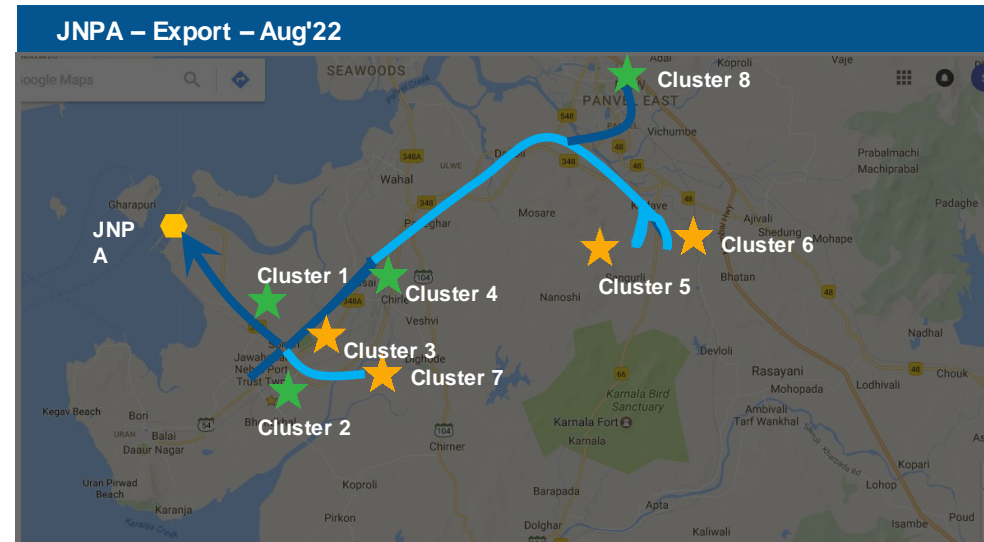


Clusters with bottleneck	
Cluster 1	JNPA area
Clusters without bottleneck	
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area, JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area,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

Legends

- High Congestion
- Medium Congestion
- Low Congestion

★ Cluster with bottleneck
 ★ Cluster without bottleneck



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

Mundra Region: Congestion Analysis



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

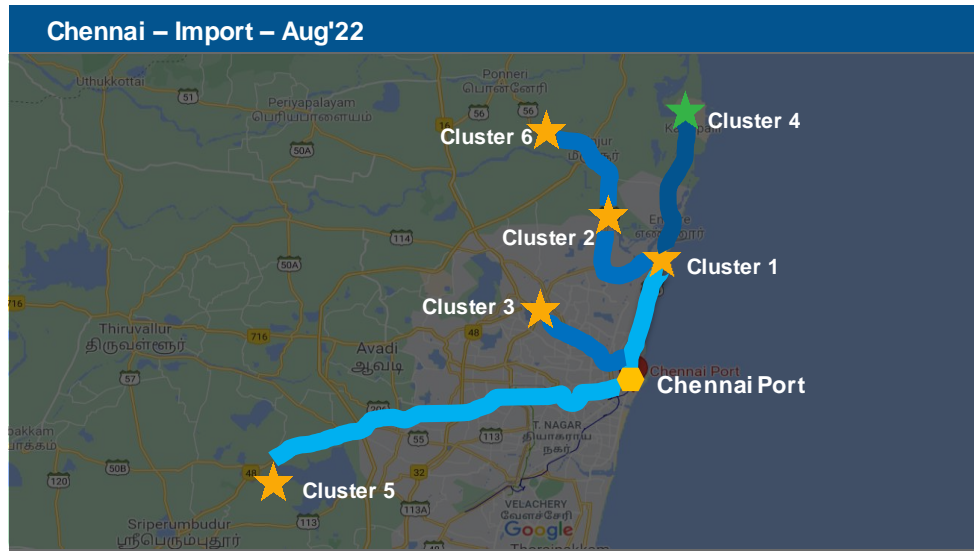


Clusters with bottleneck	
Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

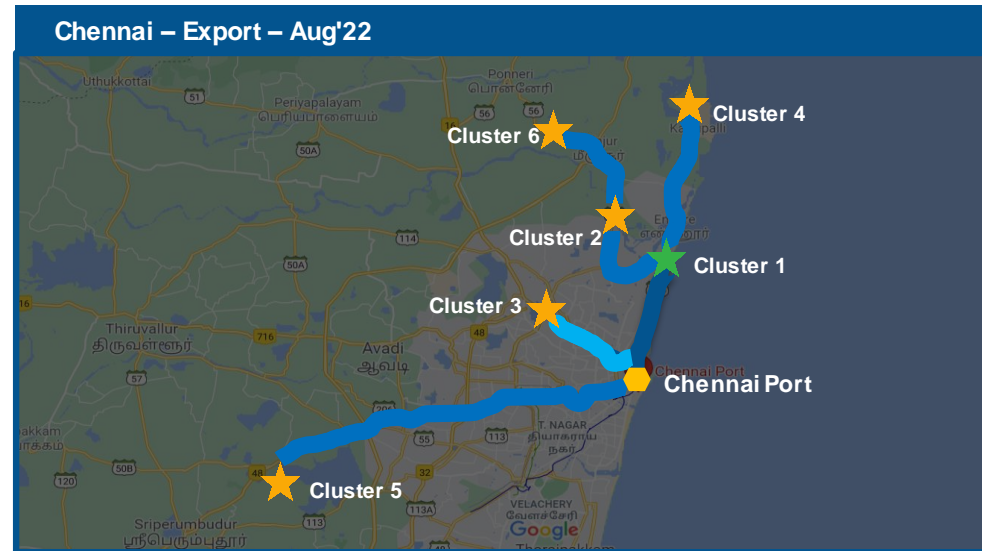
Legends

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

Chennai Region: Congestion Analysis



Clusters with bottleneck	
Cluster 4	Kattupalli port bound area
Clusters without bottleneck	
Cluster 1	Chennai port bound area
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

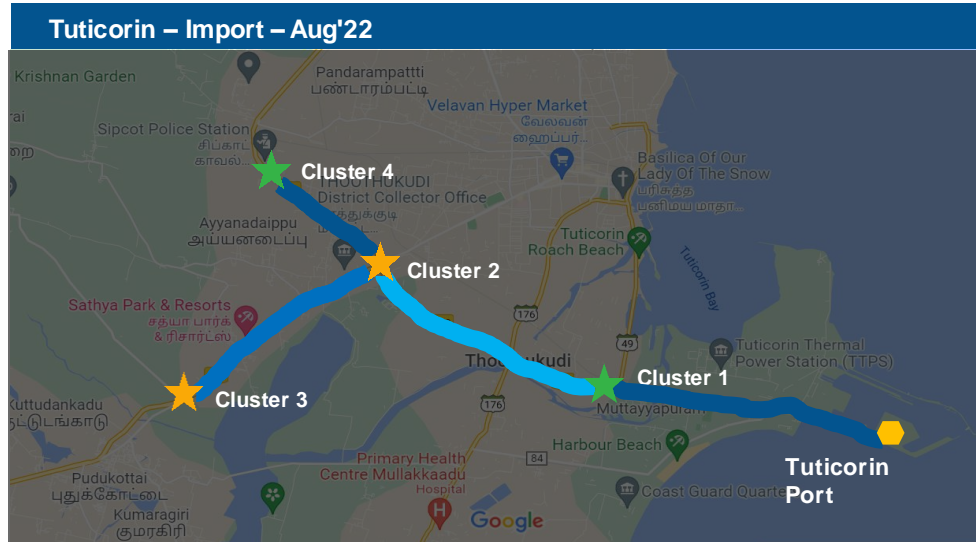


Clusters with bottleneck	
Cluster 1	Chennai port bound area
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

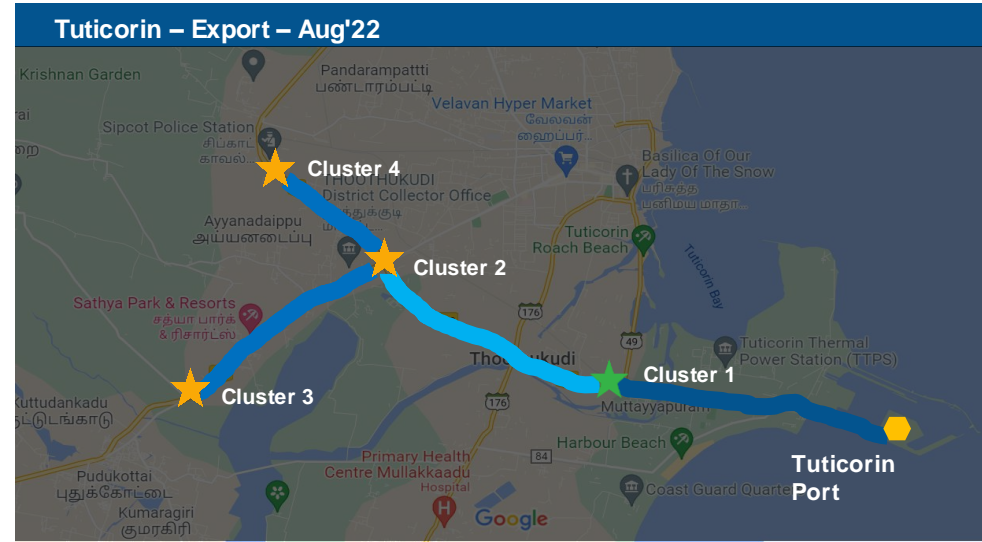
Legends

- High Congestion (thick blue line)
- Medium Congestion (medium blue line)
- Low Congestion (thin blue line)
- Cluster with bottleneck (green star)
- Cluster without bottleneck (yellow star)

Tuticorin Region: Congestion Analysis



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

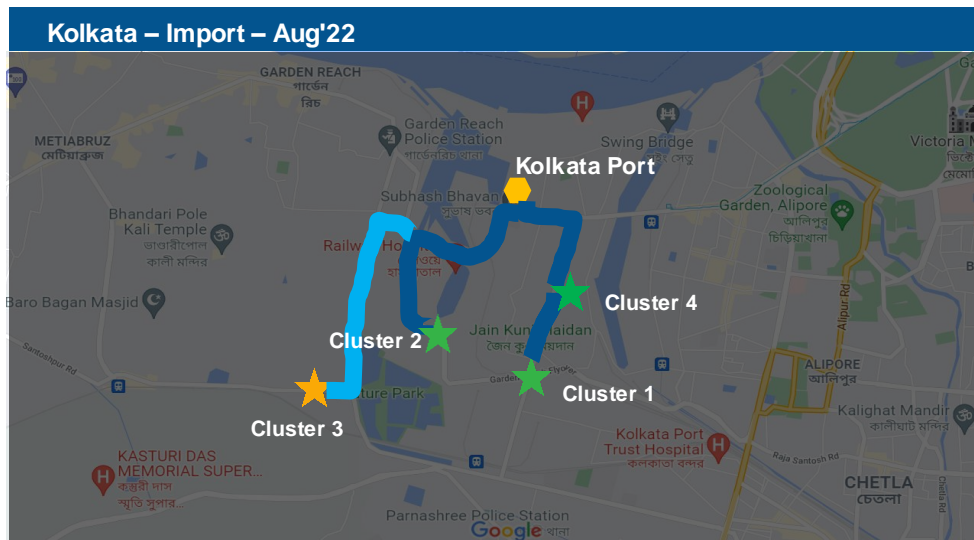


Clusters with bottleneck	
Cluster 1	Near by VOC road
Clusters without bottleneck	
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

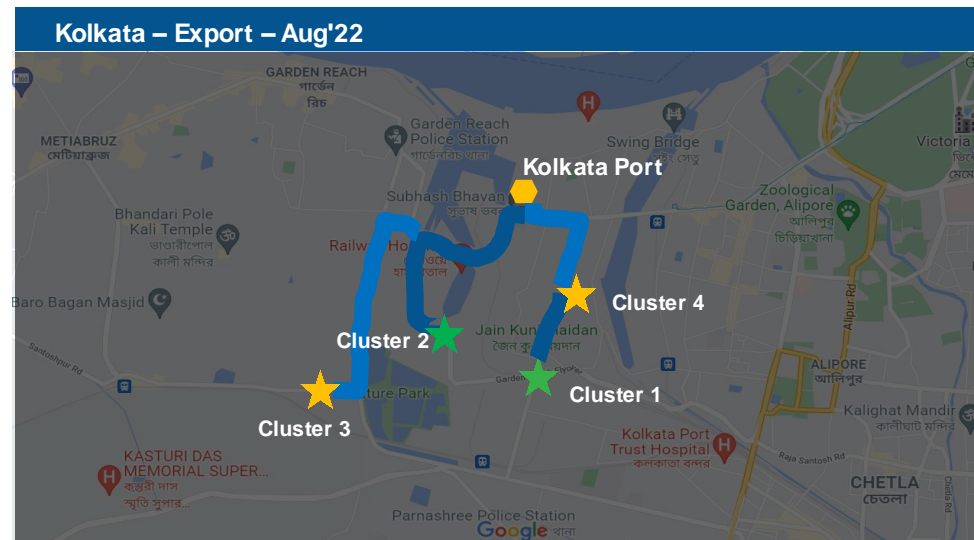
Legends

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

Kolkata Region: Congestion Analysis



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

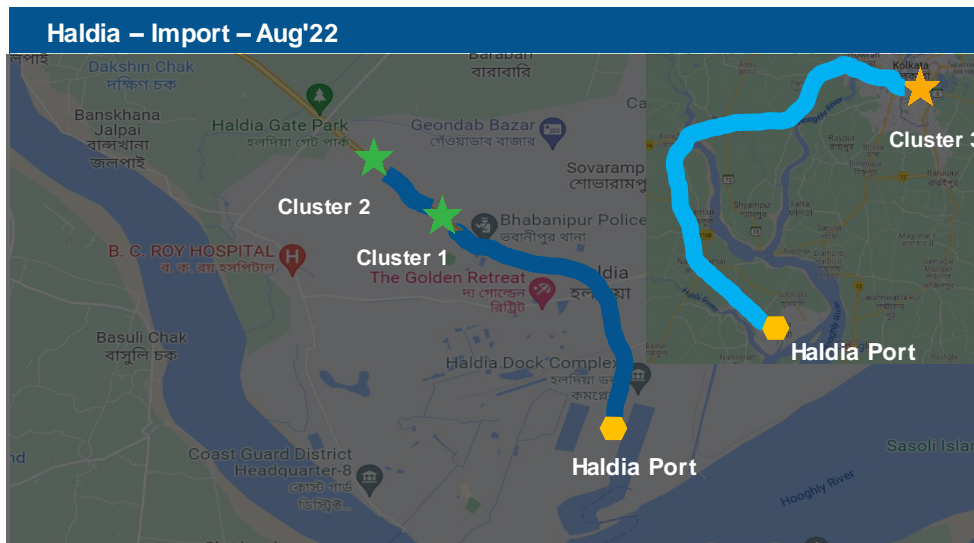


Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Clusters without bottleneck	
Cluster 3	Nature park area
Cluster 4	Babu bazar area

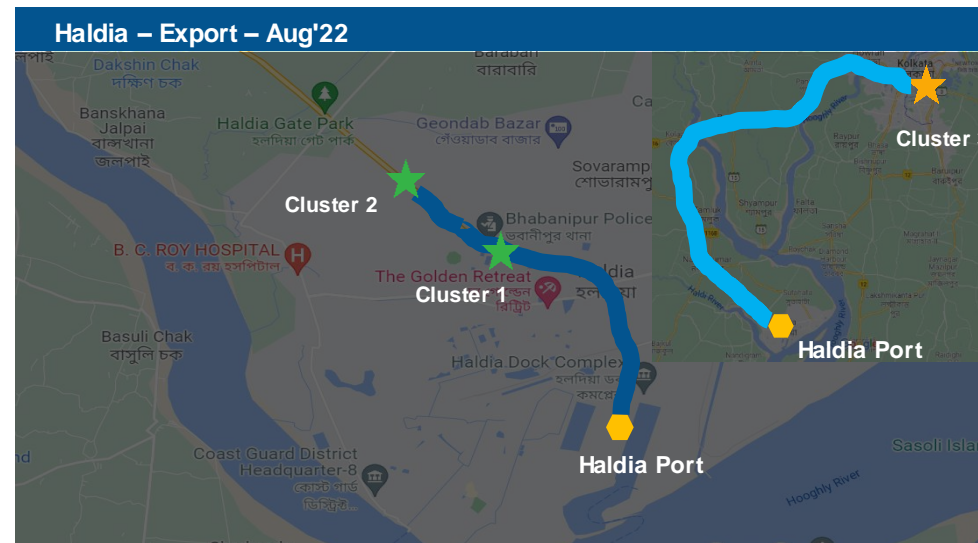
Legends

- High Congestion (Dark Blue)
- Medium Congestion (Medium Blue)
- Low Congestion (Light Blue)
- Cluster with bottleneck (Green Star)
- Cluster without bottleneck (Yellow Star)

Haldia Region: Congestion Analysis



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



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

Legends

High Congestion

Medium Congestion

Low Congestion



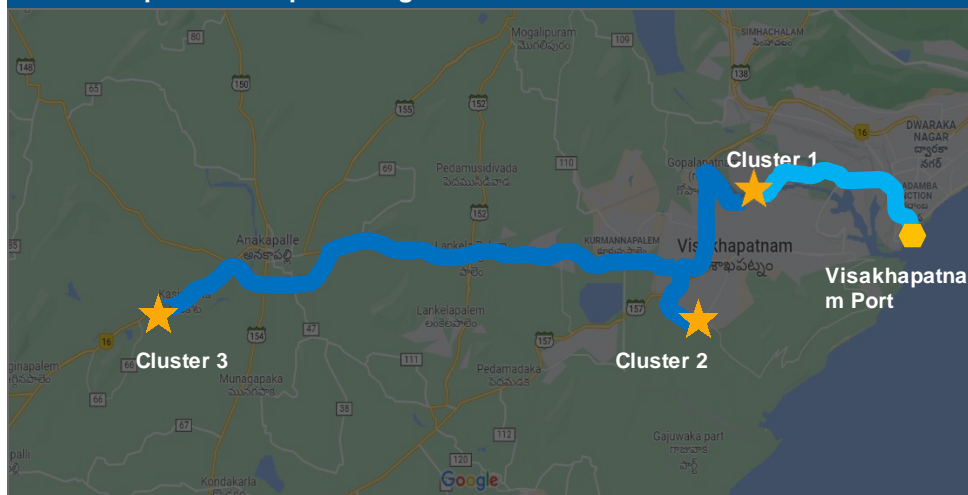
Cluster with bottleneck



Cluster without bottleneck

Visakhapatnam Region: Congestion Analysis

Visakhapatnam – Import – Aug'22

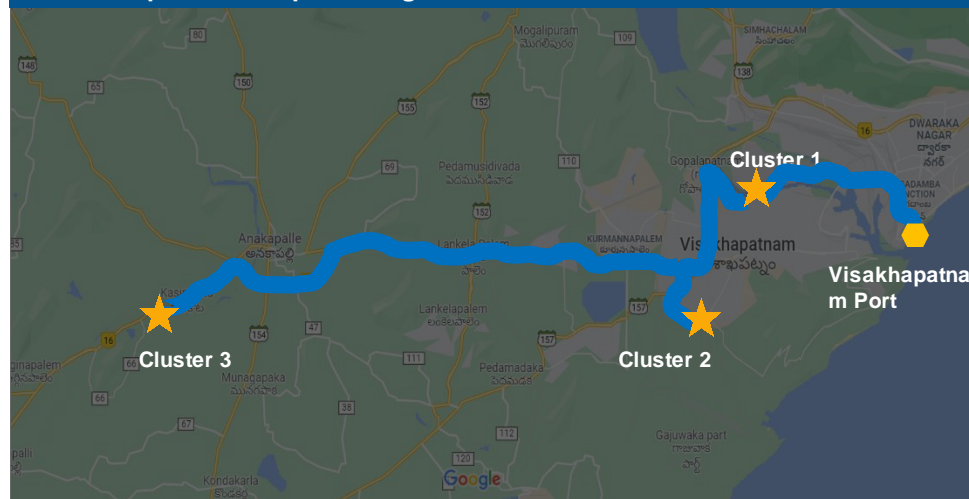


Clusters with bottleneck

Clusters without bottleneck

Cluster 1	Port road, Gopalapatnam area
Cluster 2	Autonagar, Gajuwaka area
Cluster 3	Chennai – Kolkata highway, Bayyavaram area

Visakhapatnam – Export – Aug'22



Clusters with bottleneck

Clusters without bottleneck

Cluster 1	Port road, Gopalapatnam area
Cluster 2	Autonagar, Gajuwaka area
Cluster 3	Chennai – Kolkata highway, Bayyavaram area

Legends

High Congestion

Medium Congestion

Low Congestion



Cluster with bottleneck



Cluster without bottleneck



Container Movement across India

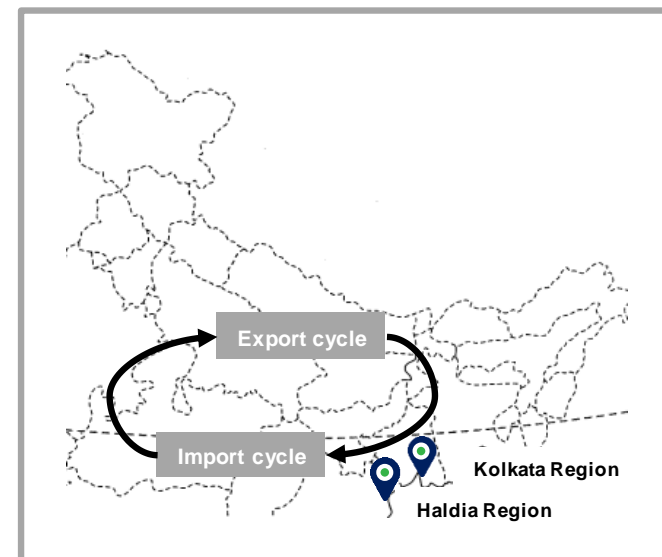


Transit movement across ICPs

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

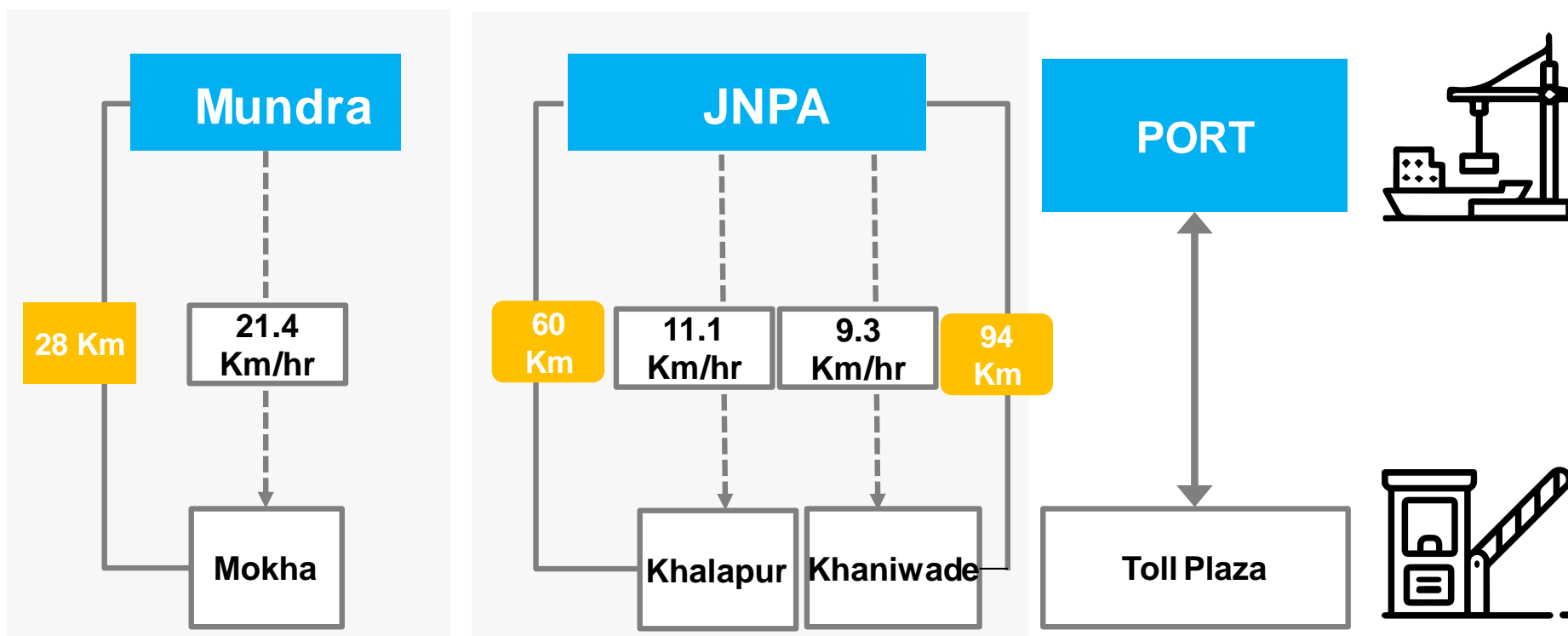
Import Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	80.7 hrs
	Road	118.5 hrs
	Rail	64.2 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	-

Export Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	323.8 hrs
	Road	290.7 hrs
	Rail	327.0 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	376.9 hrs



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)		
				Jun'22	Jul'22	Aug'22
Western	Hazira	Boriach	77	8.2	7.1	4.6
Eastern	KOPT(Kolkata)	Dankuni	24	1.2	2.8	2.5
	HICT(Haldia)	Debra	100	8.6	7.6	8.6
		Jaladhulagori	101	9.4	5.8	6.7
Southern	Chennai	Surapattu	18	-	-	-
		Nallur	23	1.6	1.5	1.5
	Kochi	Kumbalam	13	0.7	0.7	0.7
		GIPL Palayekara	71	8.9	10.2	12.7
	NMPT (New Mangalore)	Brahamarakotlu	25	1.5	1.7	1.6
		Talapady	22.5	2.3	1.4	1.8
		Gundmi	68	4.6	6.5	5.1
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	5.7	3.1	2.5
	Ennore	Surapattu	35	-	-	-
	Tuticron	VoCPT CheckPost1	4.3	14.3	14.5	14.2

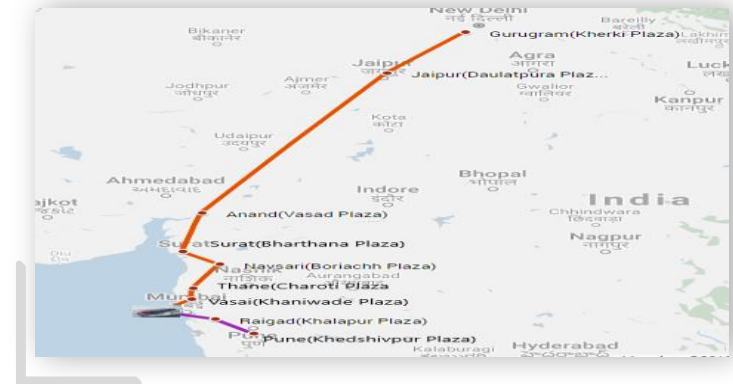
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

Western Corridor Toll Plaza Analysis

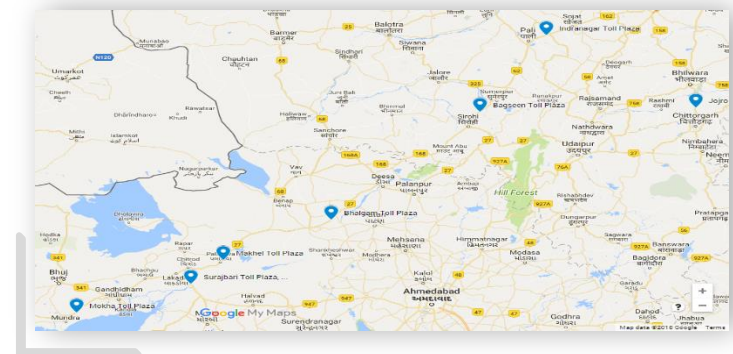
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Jul'22 (in km/hrs)	Aug'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	7.6	9.3
	JNPA	Khalapur	60	8.8	11.1
	Khaniwade	Charoti	50	33.4	34.3
	Charoti	Boriach	126	23.0	25.8
	Boriach	Bharthan	142	29.2	28.1
	Bharthan	Vasad	60	36.8	36.5
MUNDRA	Khalapur	Khedshivpur	105	33.1	32.0
	Mundra	Mokha	28	20.0	21.4
	Mokha	Makhel	150	23.7	24.0
	Mokha	Surajbari	115	24.4	23.2
	Makhel	Bhalgam	108	34.0	30.0

Toll Plaza - JNPA Port



Toll Plaza – Mundra Port



Annexure – Name of the Ports

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

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

Annexure – CFS – Pan India

List of CFS name used in CFS Performance Index

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

Annexure – Western Region

List of CFS name used in CFS Performance Index

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

List of ICD name used in ICD Performance Index

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

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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

THANK
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