



Logistics Databank Analytics Report

September 2022



Report

Section 01

Section 02

Report Inference

This sections depicts the inference and major highlights of the report

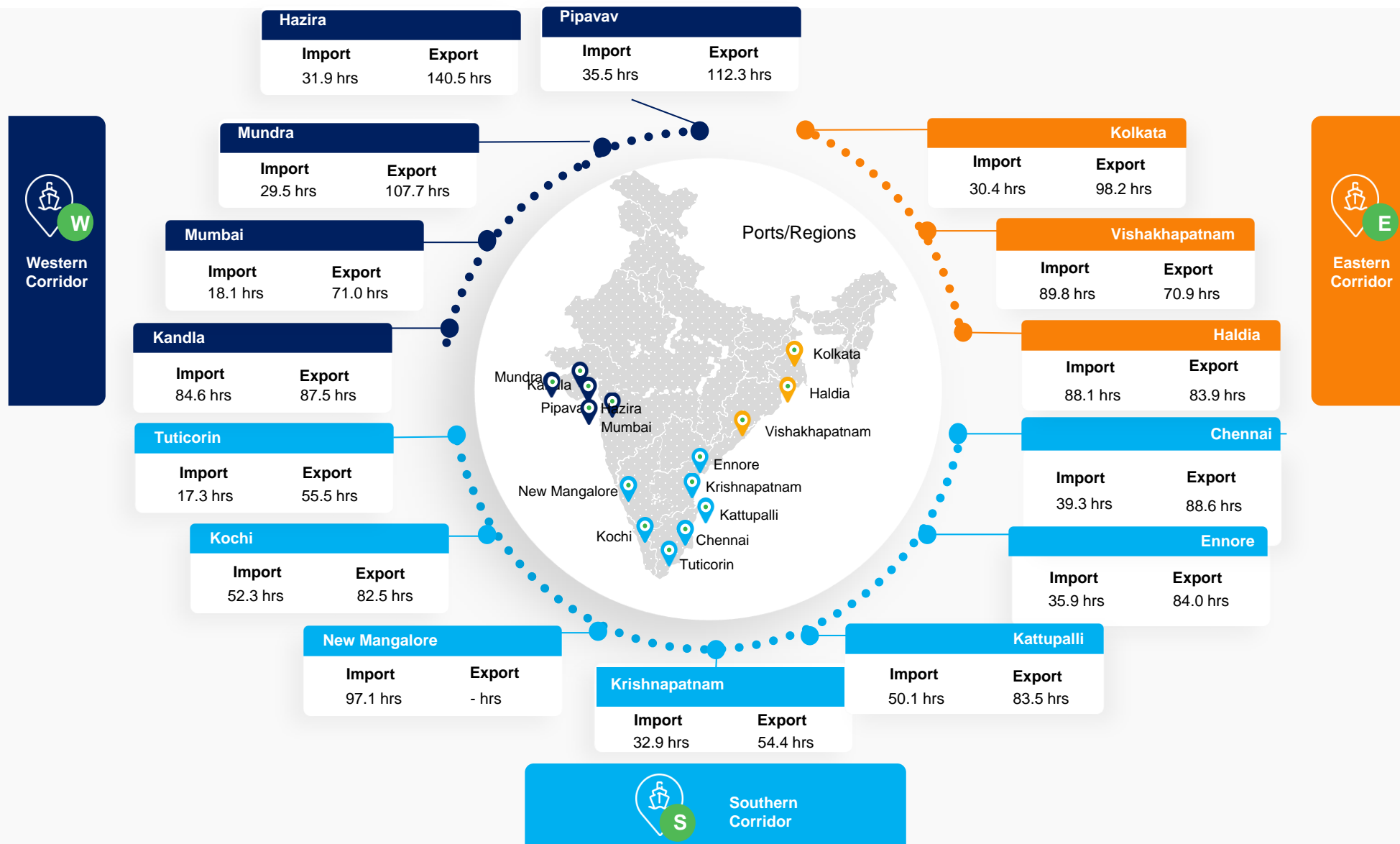
1. [Pan India Performance](#)
2. [Port Dwell Time Performance – Corridor & Terminal wise Performance](#)
3. [Critical Incident Summary](#)
4. [Covid-19 Impact](#)
5. [Pan India - Port Performance Benchmarking & Performance Index](#)
6. [Pan India - CFS Performance Benchmarking & Performance Index](#)
7. [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](#)

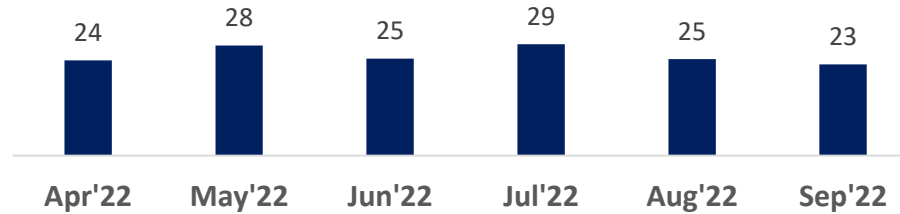
PAN INDIA Performance Snapshot: September 2022 (Dwell Time)



Port Dwell Time Performance – Western Corridor (Import Cycle)

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

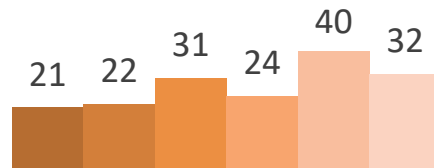
Western Corridor



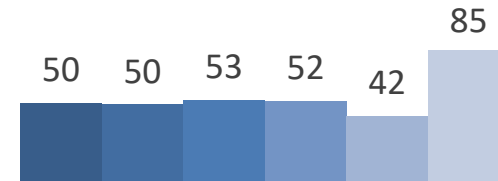
Port - Wise



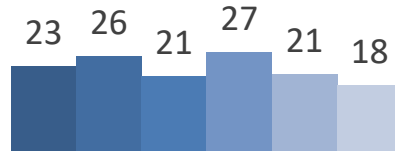
Hazira



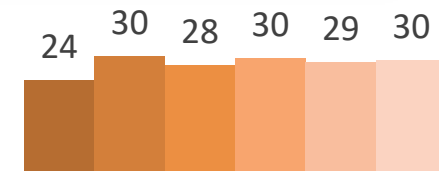
Kandla



JNPA



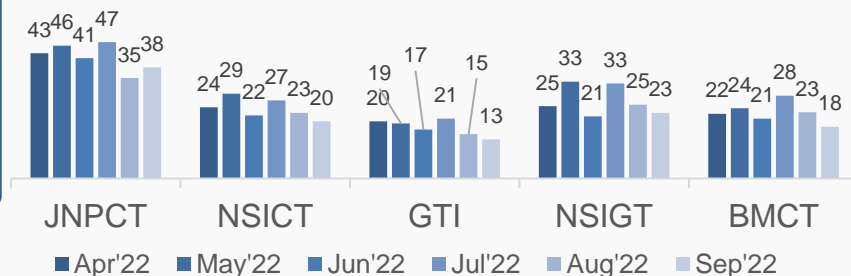
Mundra



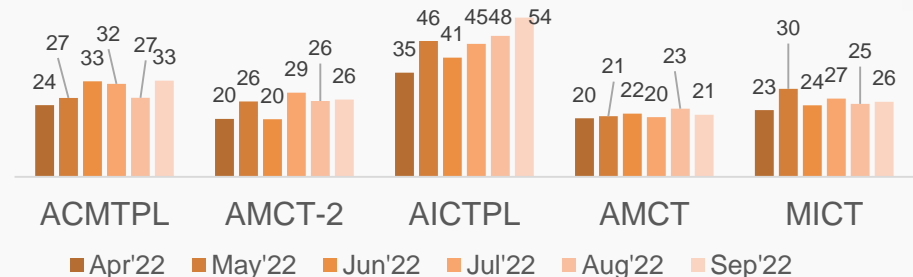
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■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22 ■ Sep'22

JNPA - Terminal



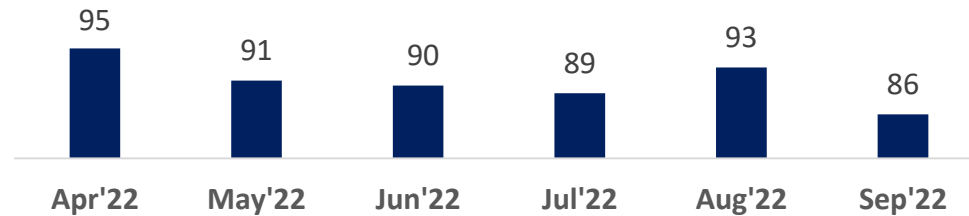
Mundra - Terminal



Port Dwell Time Performance – Western Corridor (Export Cycle)

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

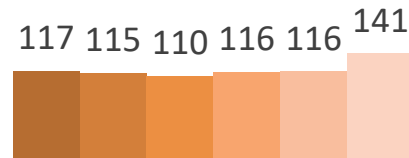
Western Corridor



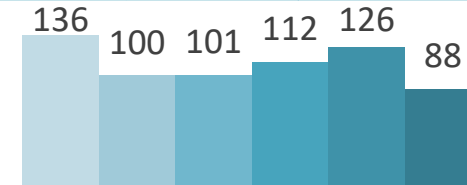
Port - Wise



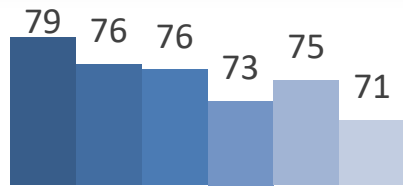
Hazira



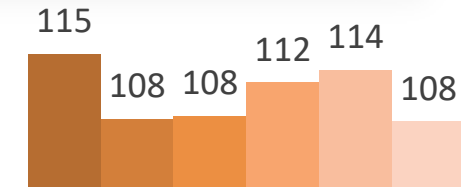
Kandla



JNPA



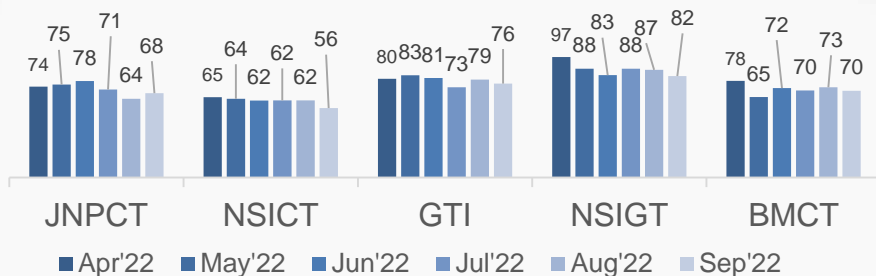
Mundra



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

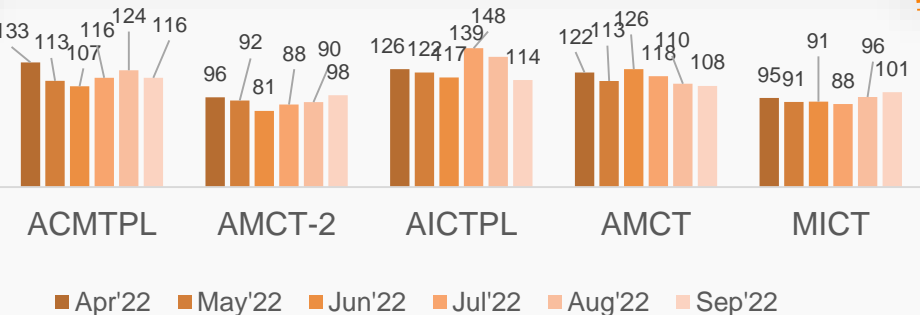
■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22 ■ Sep'22

JNPA - Terminal



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

Mundra - Terminal

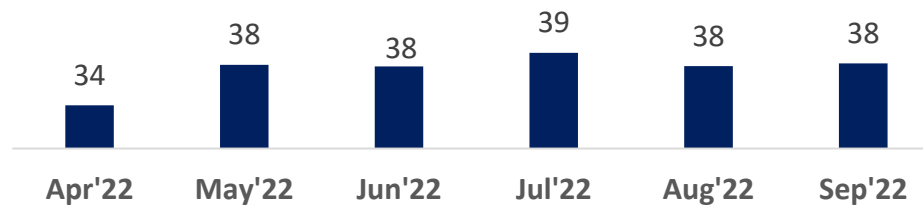


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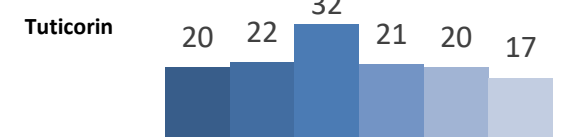
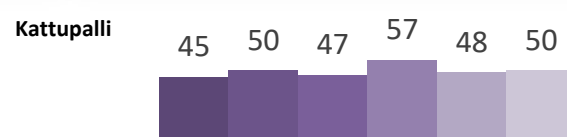
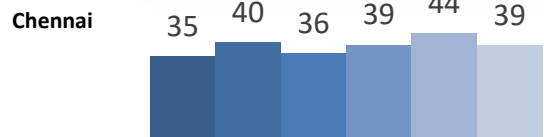
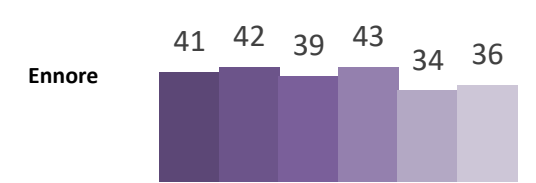
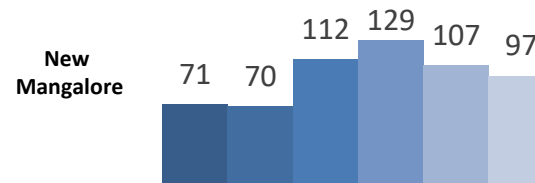
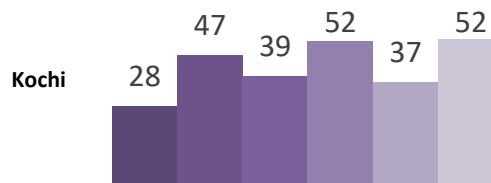
Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

Southern Corridor



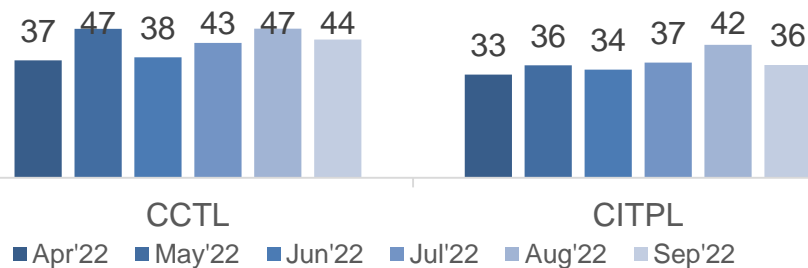
Port - Wise



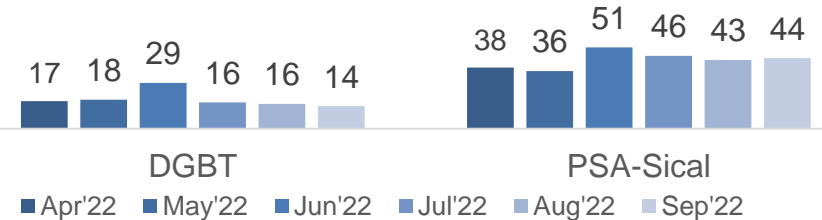
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■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22 ■ Sep'22

Chennai - Terminal



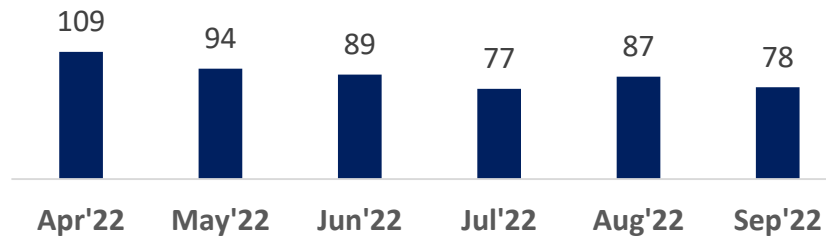
Tuticorin - Terminal



Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

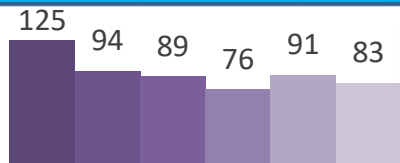
Southern Corridor



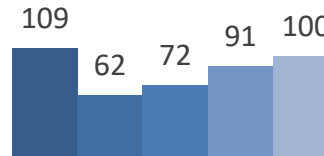
Port - Wise



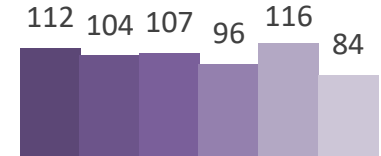
Kochi



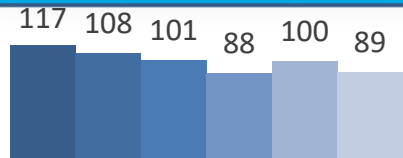
New Mangalore



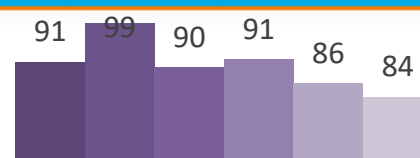
Ennore



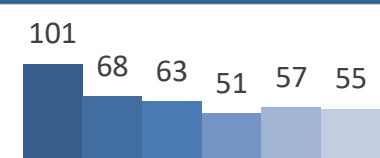
Chennai



Kattupalli



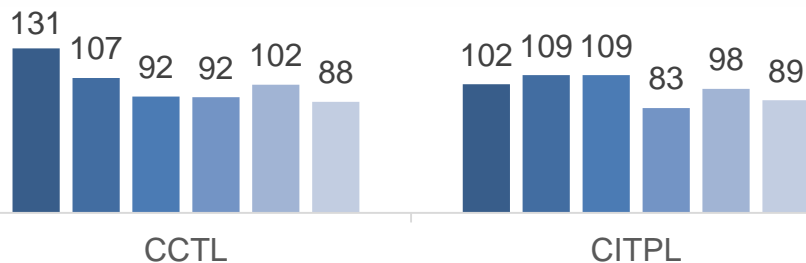
Tuticorin



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

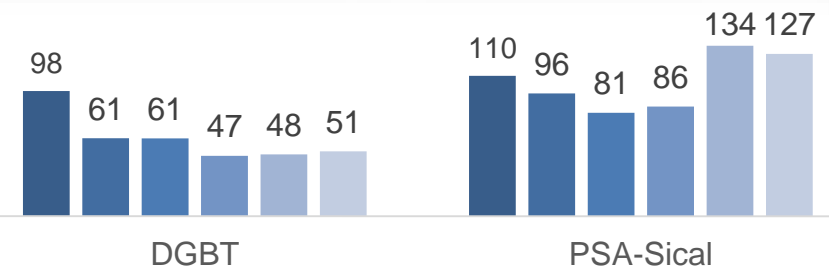
■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22 ■ Sep'22

Chennai - Terminal



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

Tuticorin - Terminal

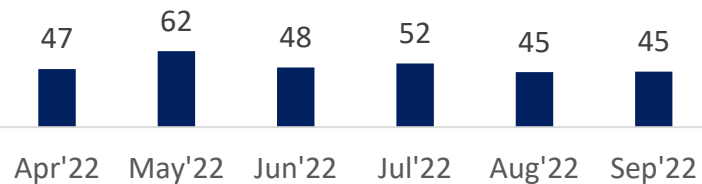


■ Apr'22 ■ May'22 ■ Jun'22 ■ Jul'22 ■ Aug'22 ■ Sep'22

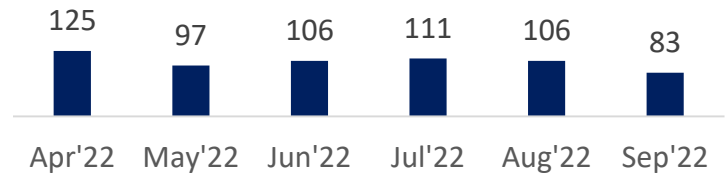
Port Dwell Time Performance – Eastern Corridor

Import Cycle (in hrs)

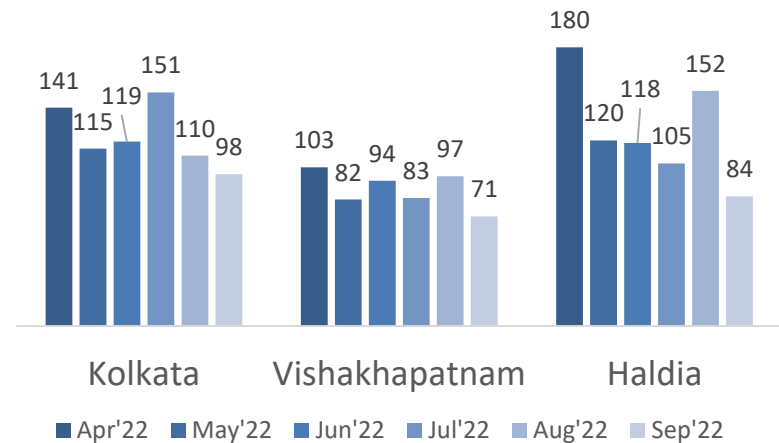
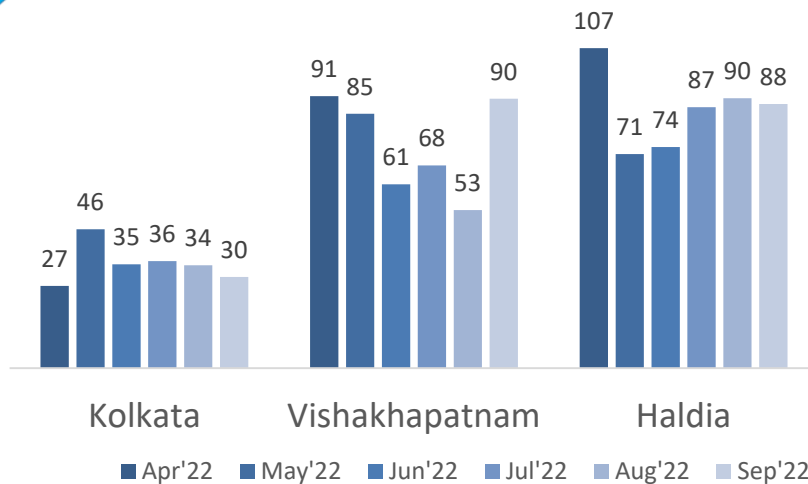
Eastern Corridor



Export Cycle (in hrs)

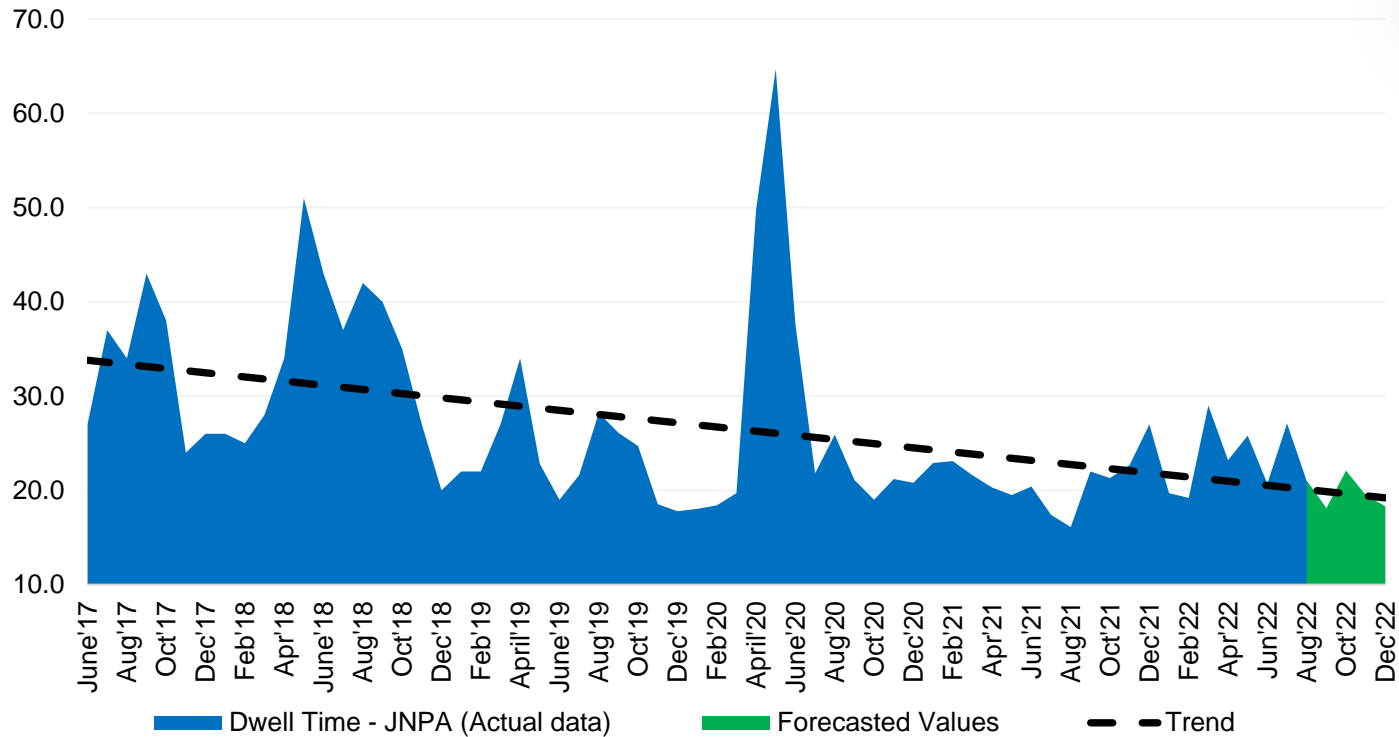


Port - Wise



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 Dec'22.



Predicted
Dwell Time (in hrs)

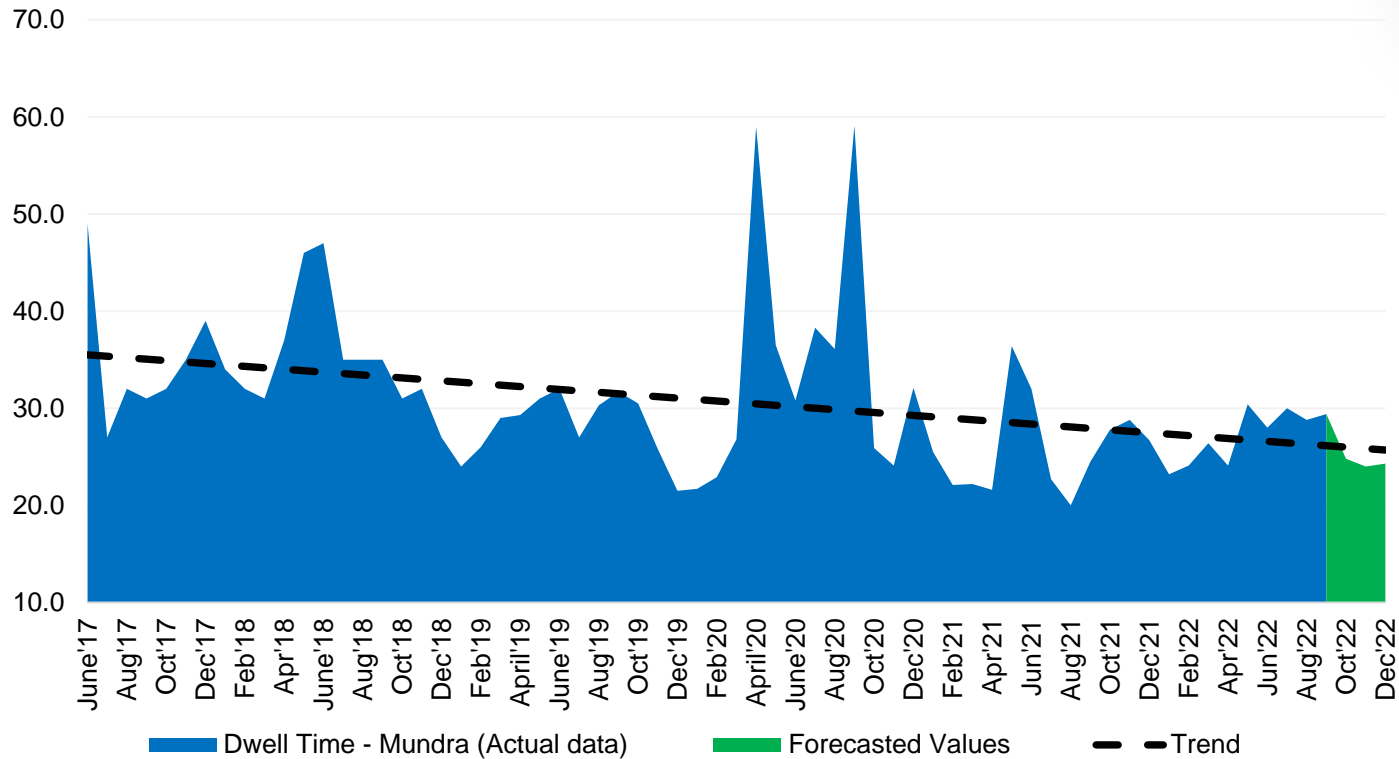
Oct'22
22.1

Nov'22
19.5

Dec'22
18.3

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 vary around 24 hrs. for the next quarter.



Predicted
Dwell Time (in hrs)





Oct'22
24.8

Nov'22
24.0

Dec'22
24.3

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has improved by 5.3% & Export Cycle has improved by 7.1%.
- The container handling performance at CFS has improved by 5.6%. Also, ICD performance has improved by 5.6%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Sep'22	23.4 hrs 	86.1 hrs 	83.5 hrs 	116.5 hrs 
Aug'22	24.7 hrs	92.6 hrs	88.5 hrs	123.4 hrs



Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has deteriorated by 0.5% & in Export Cycle has improved by 10.4%.
- The container handling performance at CFS has improved by 4.4%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Sep'22	38.0 hrs 	78.4 hrs 	97.8 hrs 
Aug'22	37.8 hrs	87.5 hrs	102.3 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 1.1% and Export Cycle has improved by 21.4%.
- The container handling performance at CFS has deteriorated by 12.4%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Sep'22	45.0 hrs 	83.2 hrs 	141.8 hrs 
Aug'22	44.5 hrs	105.9 hrs	126.2 hrs

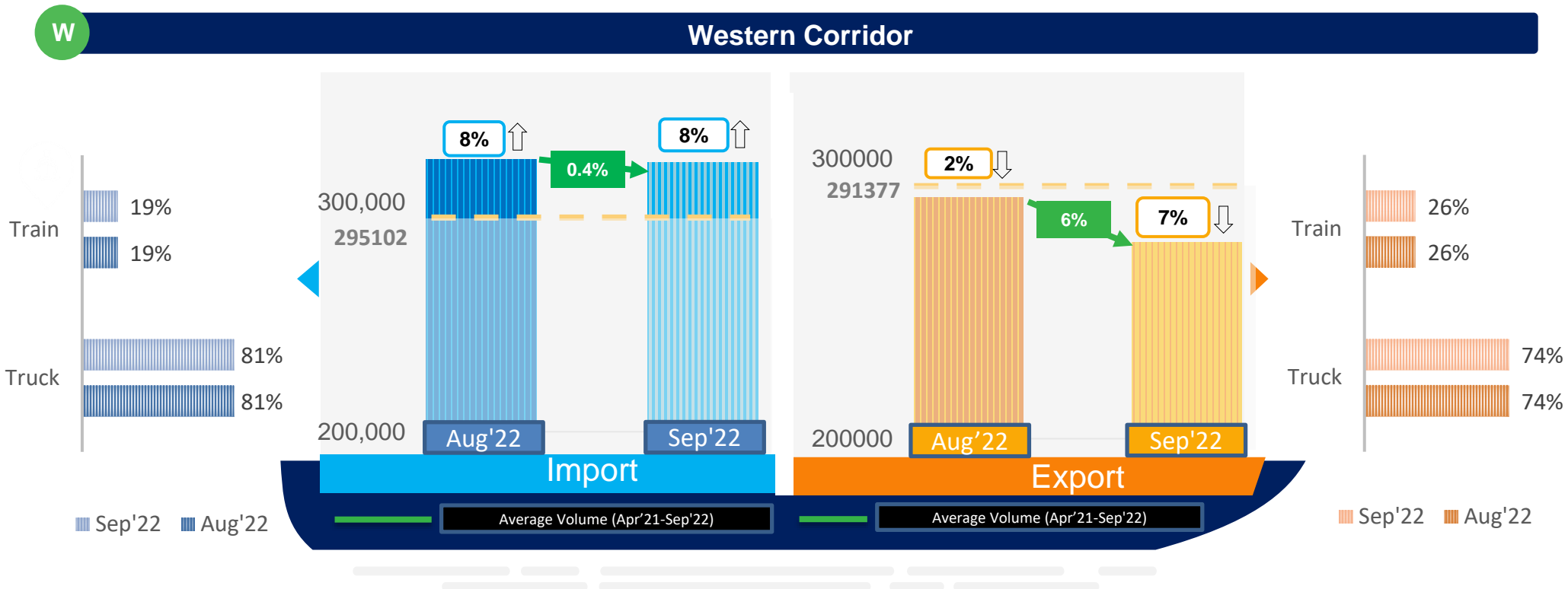


CORONA VIRUS
ALERT

COVID – 19 Impact

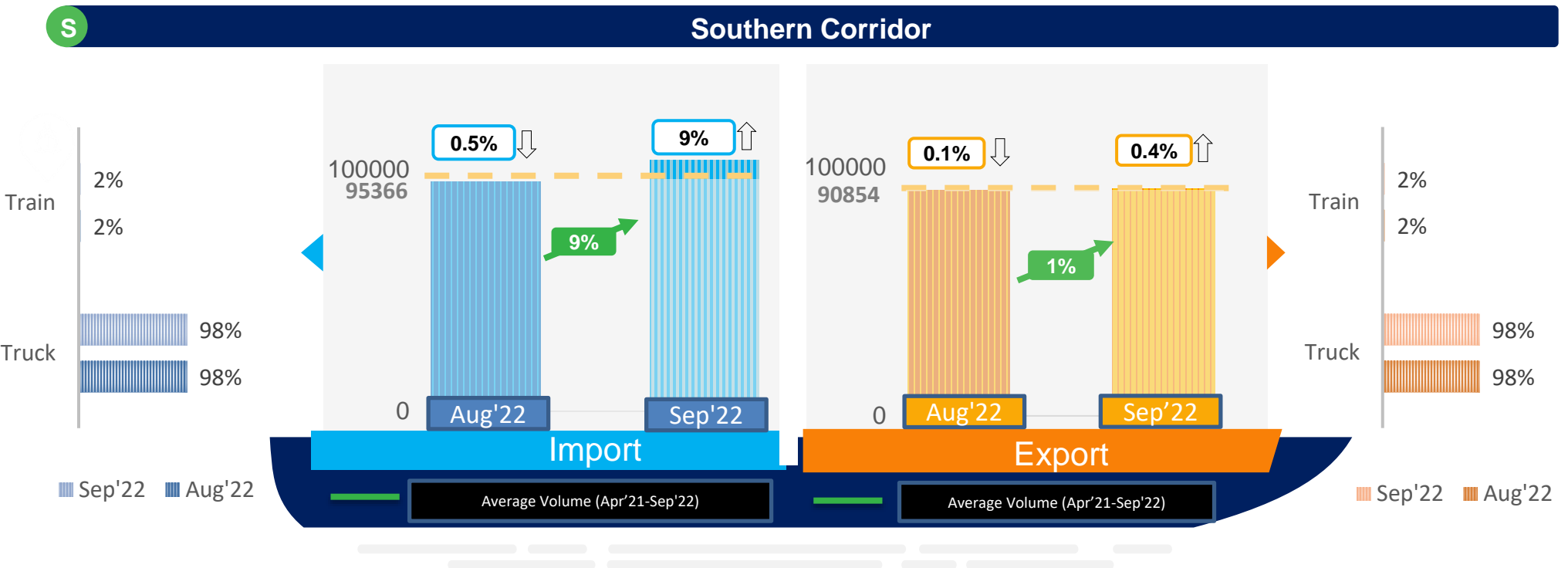
Covid-19 Impact – Western Corridor

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



Covid-19 Impact – Southern Corridor

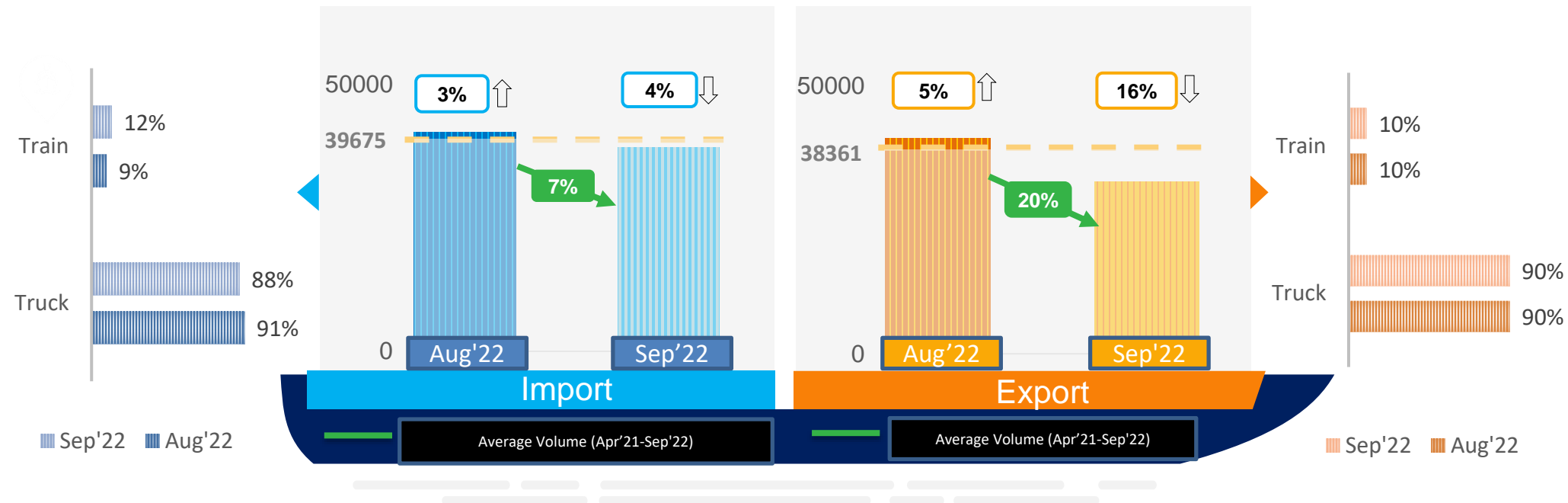
Below graphs depicts the change in volume percentage during the month of September'22 w.r.t the last month i.e., August'22 and the average EXIM corridor wise volume.



Covid-19 Impact – Eastern Corridor

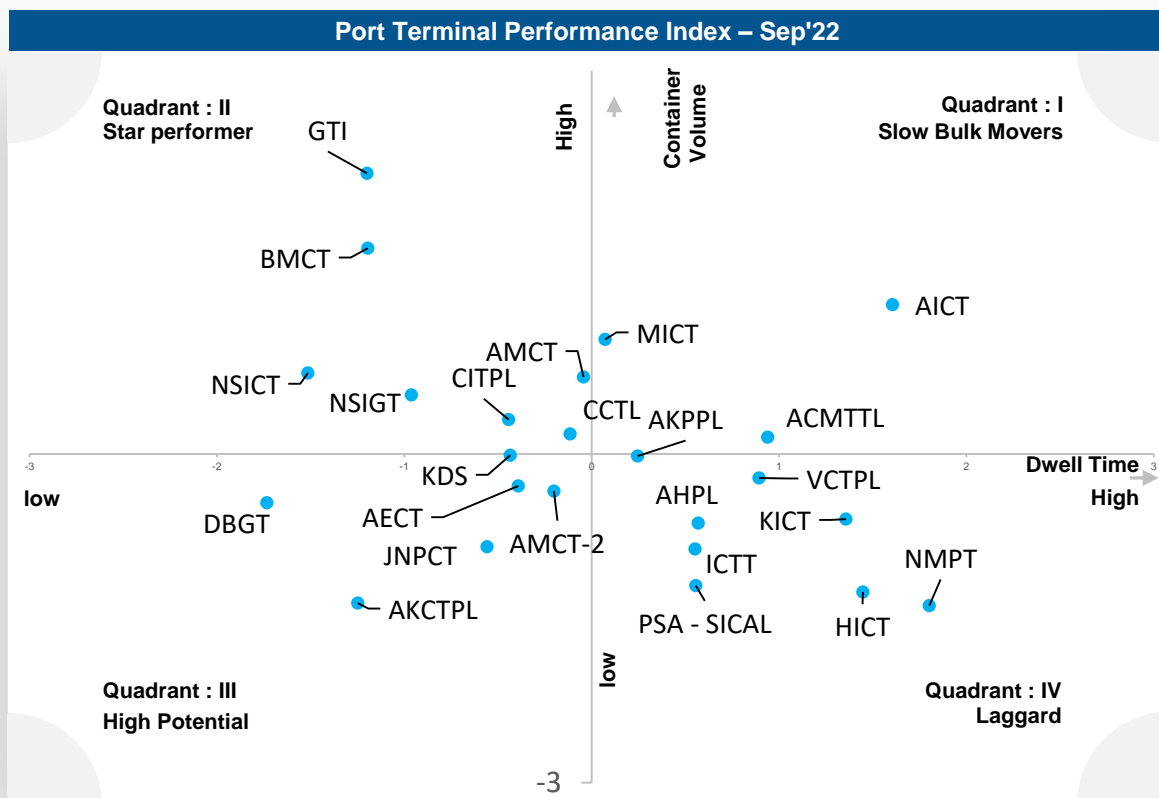
Below graphs depicts the change in volume percentage during the month of September'22 w.r.t the last month i.e., August'22 and the average EXIM corridor wise volume.

E Eastern Corridor



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 Sep'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Aug'22	Sep'22
41.5 Hrs	38.0 Hrs.
Low Performing Terminal	
New Mangalore Port Trust (NMPT)	
Aug'22	Sep'22
103.5 Hrs	94.1 Hrs

Note: The performance benchmarking is based on performance index

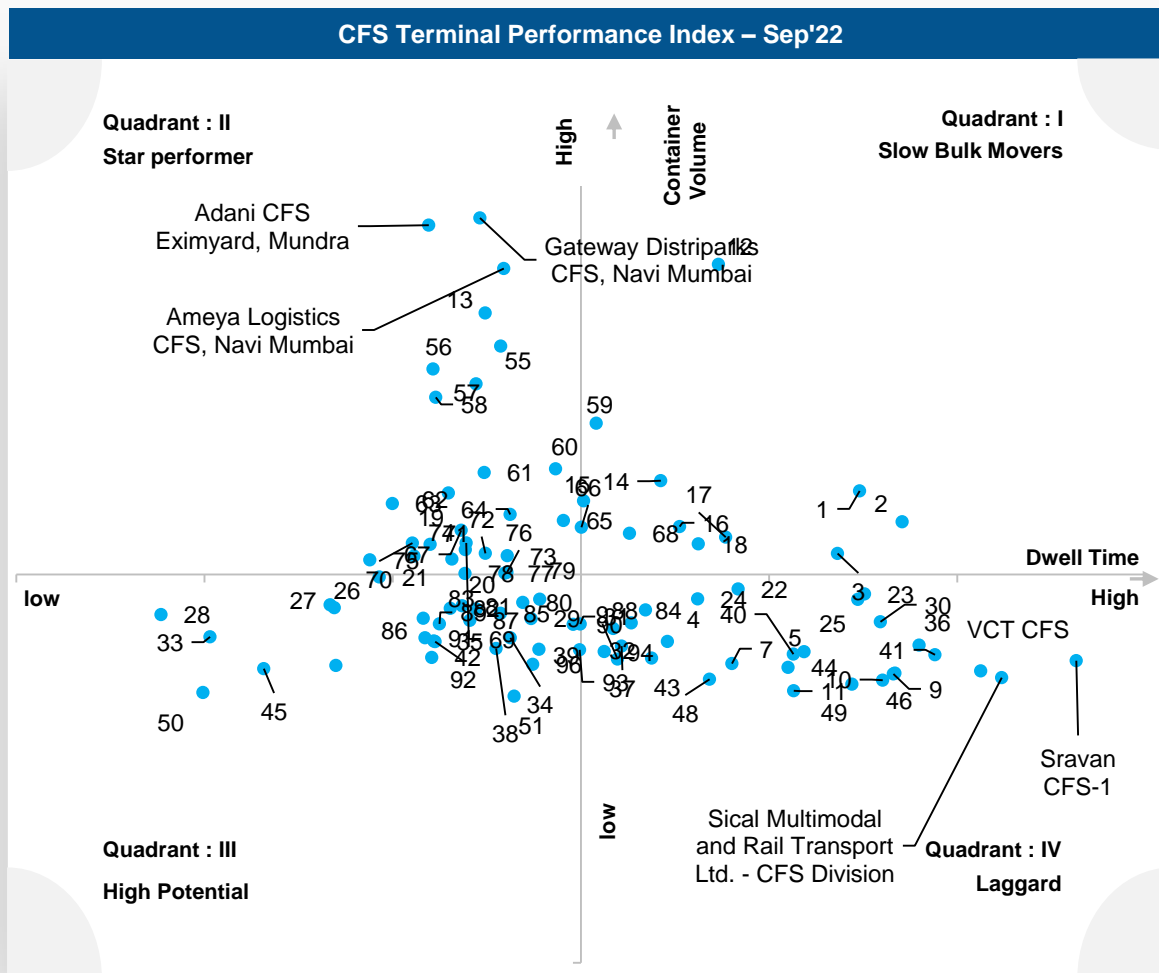
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Aug'22

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 Sep'22

Top Three Performing CFSs			
CFS Name	Aug'22	Sep'22	
Gateway Distriparks CFS, Navi Mumbai	91.3 hrs	82.7 hrs	↑
Adani CFS Eximyard, Mundra	74.5 hrs	74.6 hrs	↓
Ameya Logistics CFS, Navi Mumbai	94.9 hrs	86.5 hrs	↑
Bottom Three Performing CFSs			
CFS Name	Aug'22	Sep'22	
Sravan CFS-1	128.4 hrs	176.9 hrs	↓
Sical Multimodal and Rail Transport Ltd. – CFS Division	172.3 hrs	165.1 hrs	↑
VCT CFS	114.9 hrs	161.8 hrs	↓

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Aug'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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Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT		Aug'22 (in hrs)	Sep'22 (in hrs)	
	Train	64.7	58.3	↑
EXPORT	Truck	20.4	19.3	↑
	Overall	24.7	23.4	↑
EXPORT		Aug'22 (in hrs)	Sep'22 (in hrs)	
	Train	130.3	117.2	↑
EXPORT	Truck	85.7	80.3	↑
	Overall	92.6	86.1	↑

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

ENTITY		Aug'22 (in hrs)	Sep'22 (in hrs)	
	Inland Container Depot (ICD)	123.4	116.5	↑
ENTITY	Container Freight Stations (CFS)	88.5	83.5	↑



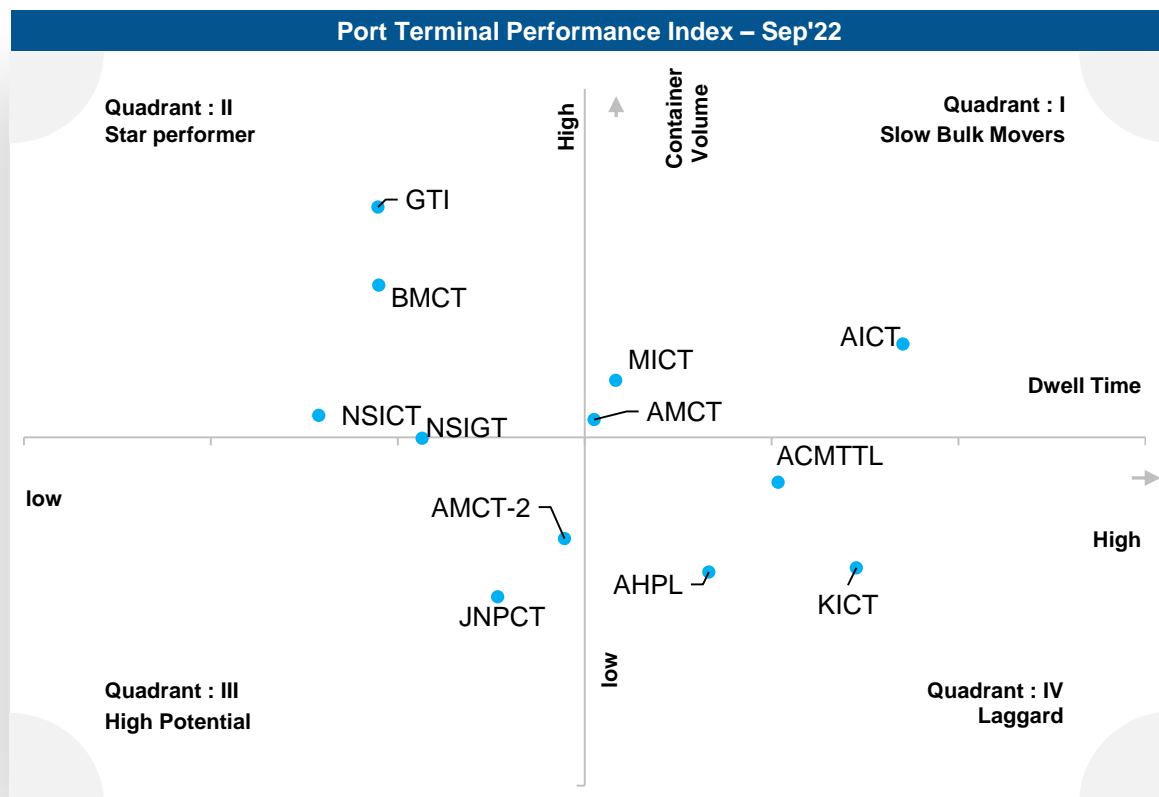
The marked entries showcase increase in performance in comparison to Aug'22



The marked entries showcase decrease in performance in comparison to Aug'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 Sep'22

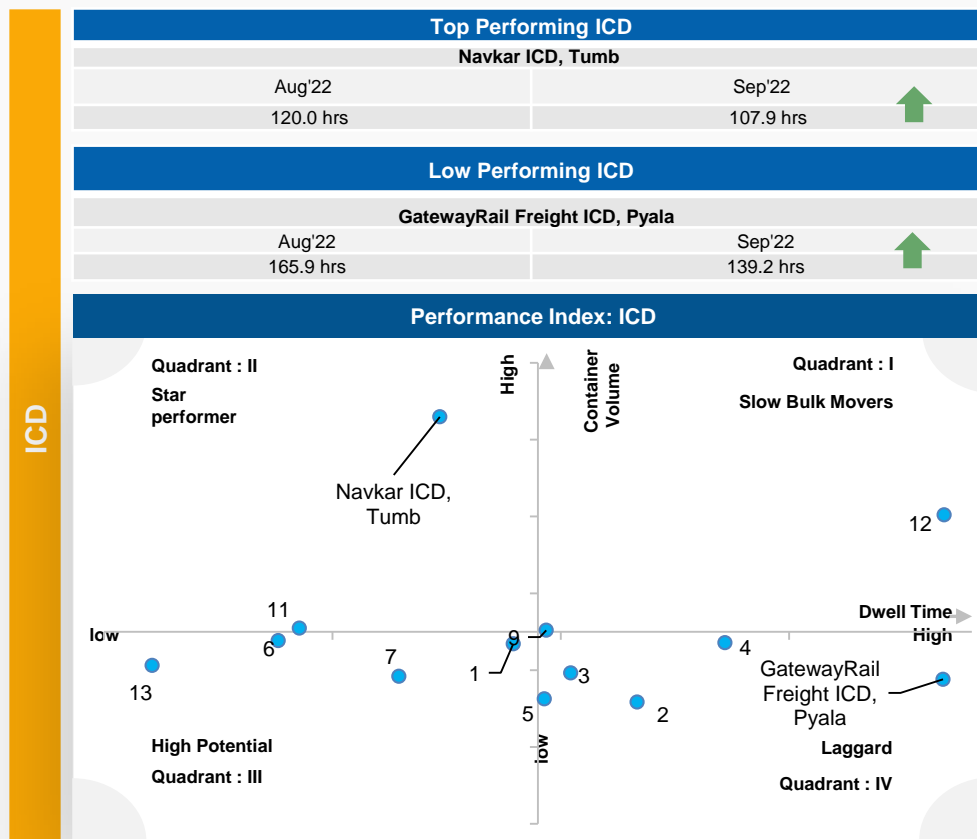
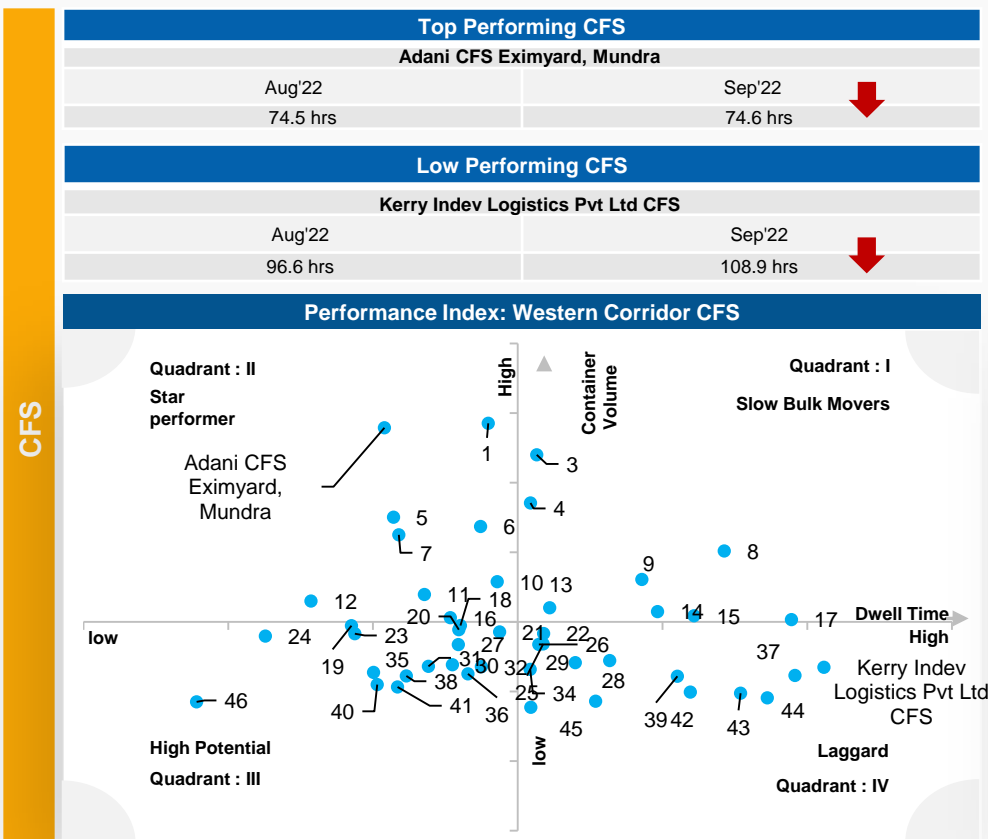
Top Performing Terminal	
Gateway Terminals India (GTI)	
Aug'22	Sep'22
41.5 Hrs	38.0 Hrs.
↑	
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Aug'22	Sep'22
63.5 Hrs	85.8 Hrs.
↓	

Note: The performance benchmarking is based on performance index

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

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

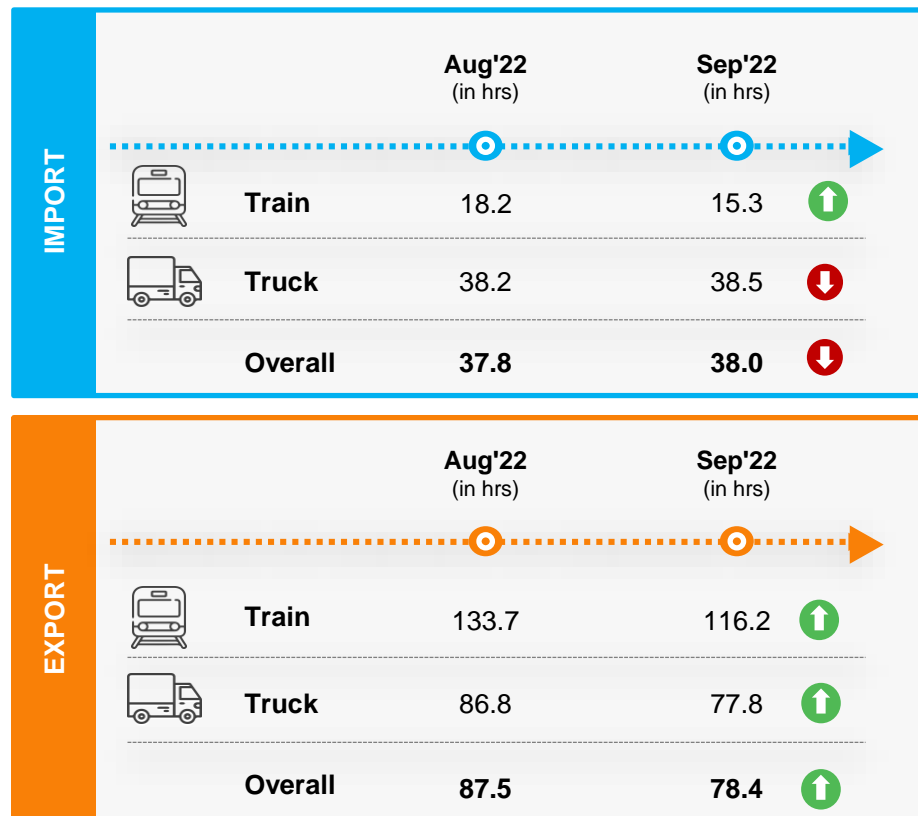


Note: The performance benchmarking is based on performance index

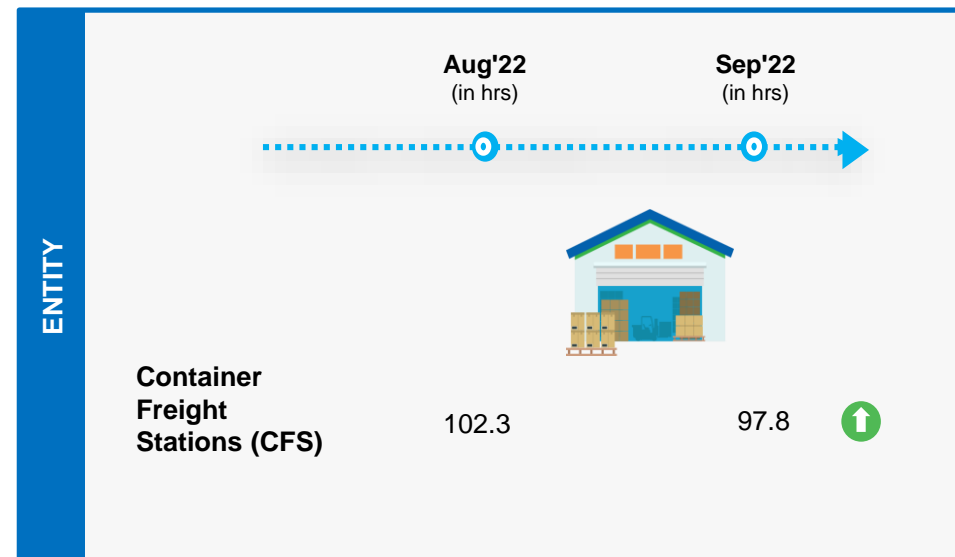
↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Aug'22

Kindly refer to Annexure section for the names of CFS

Port Dwell Time



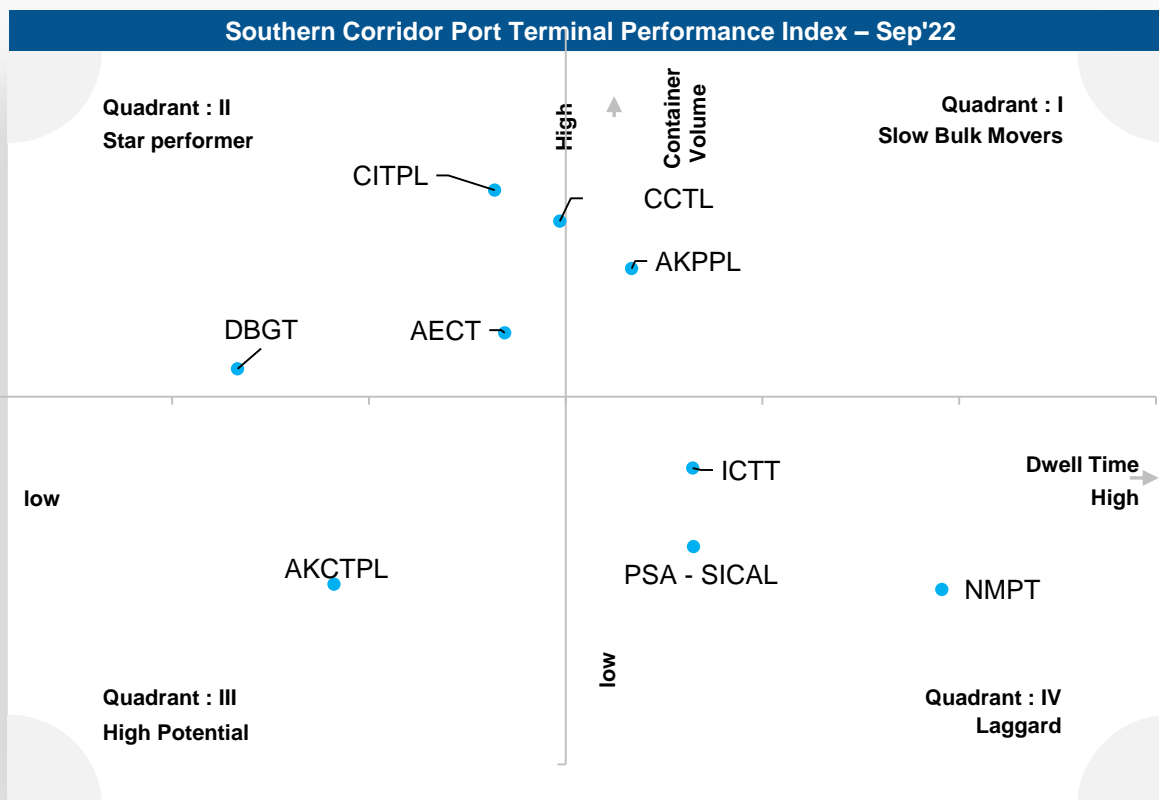
Container Freight Stations(CFS)/ Inland Container Depots(ICD) – Dwell Time



The marked entries showcase increase in performance in comparison to Aug'22
 The marked entries showcase decrease in performance in comparison to Aug'22

Performance Benchmarking – Port Terminals

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



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

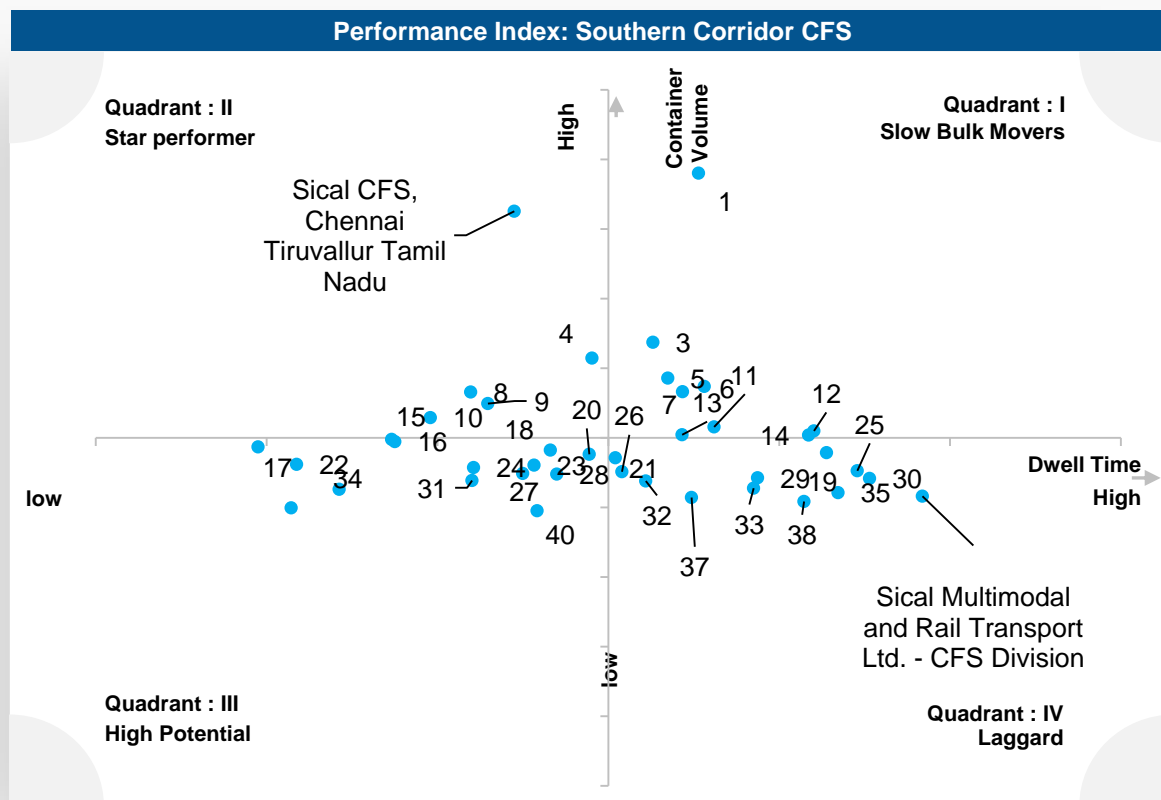
Top Performing Terminal	
Chennai International Terminals Pvt Ltd (CITPL)	
Aug'22	Sep'22
63.9 hrs	52.1 hrs
↑	
Low Performing Terminal	
New Mangalore Port Trust	
Aug'22	Sep'22
103.5 hrs	94.1 hrs
↑	

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary	
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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

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 Sep'22

Top Performing CFS	
Sical CFS, Chennai Tiruvallur Tamil Nadu	
Aug'22	Sep'22
86.5 hrs	83.5 hrs
↑	
Low Performing CFS	
Sical Multimodal and Rail Transport Ltd. - CFS Division	
Aug'22	Sep'22
172.3 hrs	165.1 hrs
↑	

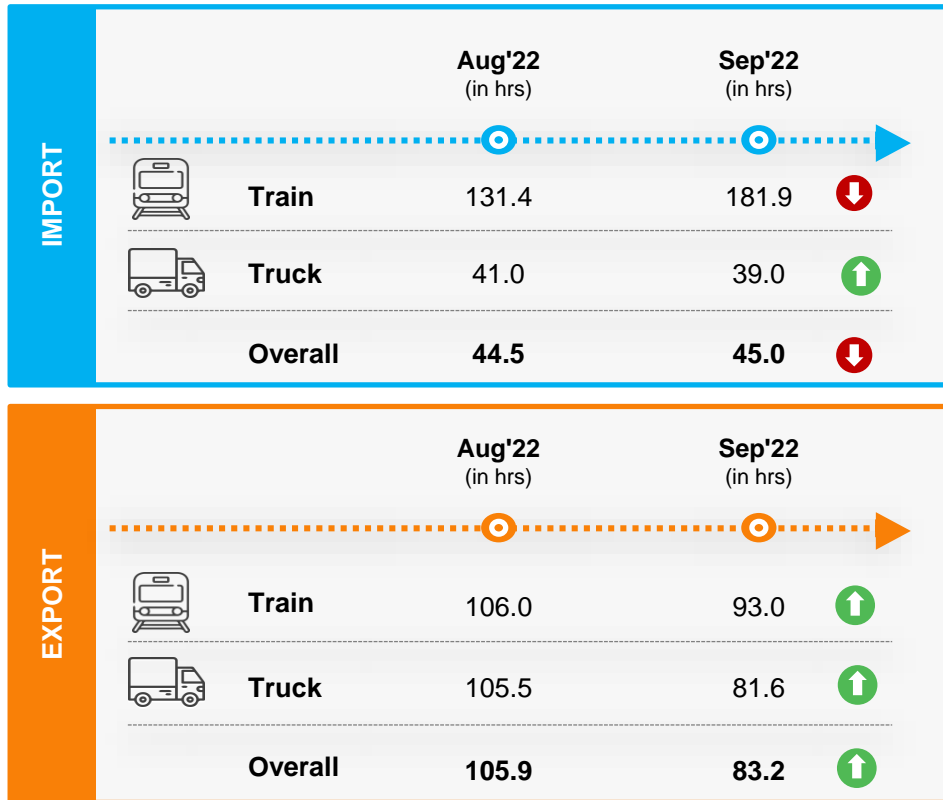
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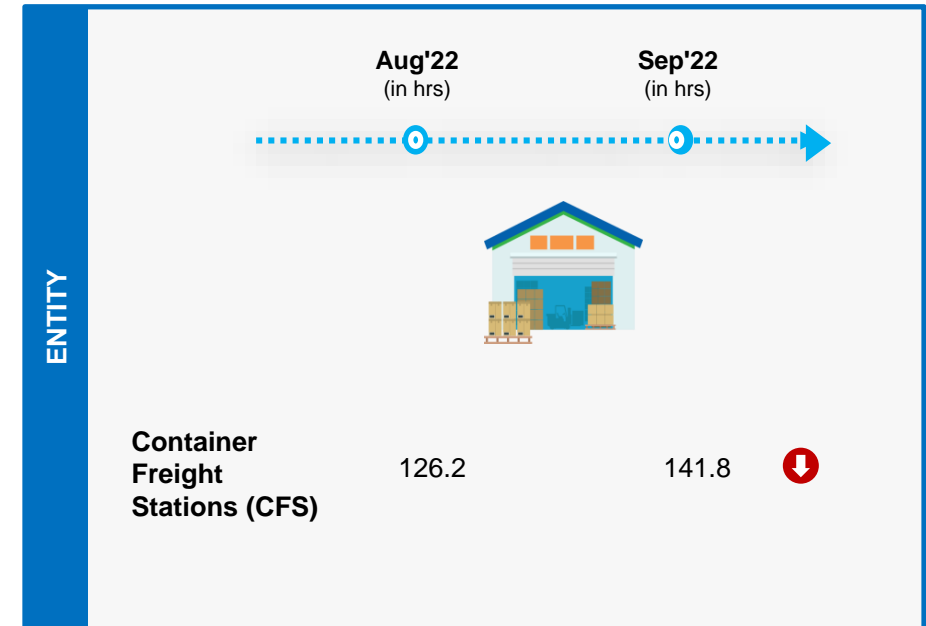
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In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance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

Container Transportation Performance - Eastern Corridor

Port Dwell Time



Container Freight Stations(CFS)– Dwell Time



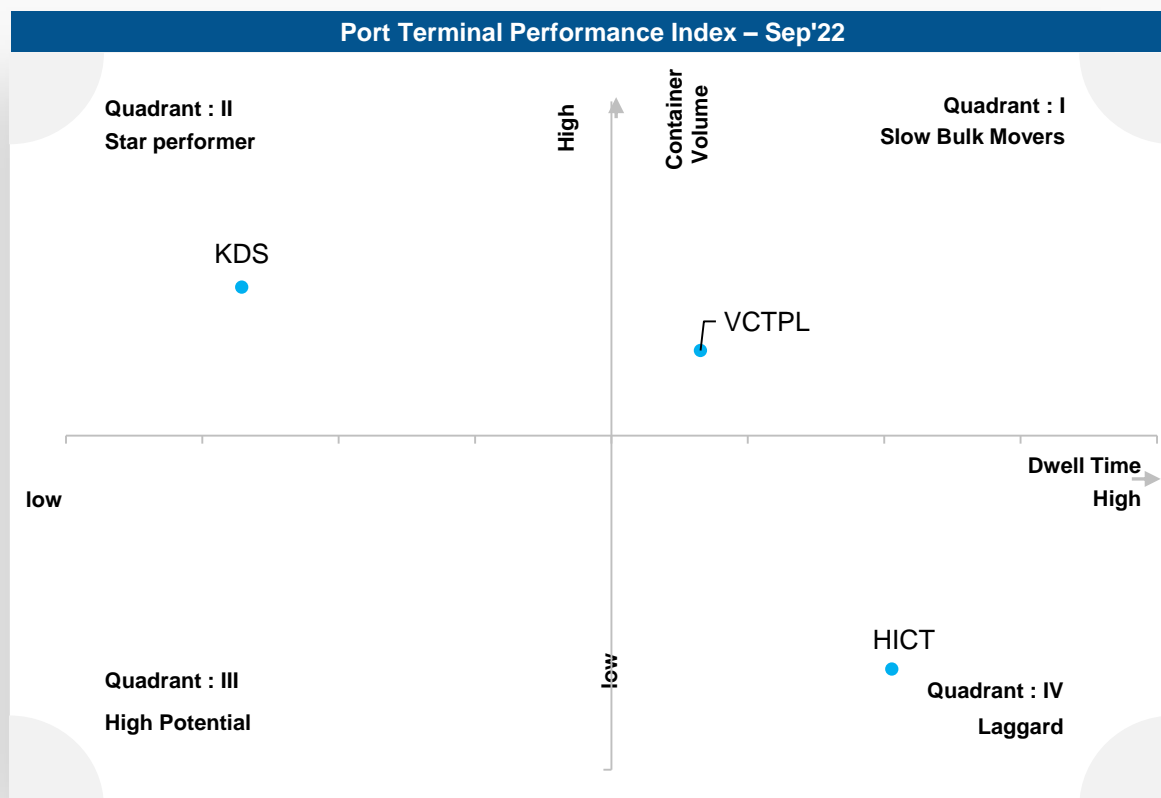
The marked entries showcase increase in performance in comparison to Aug'22



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

Performance Benchmarking - Port Terminals

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



Performance benchmarking for Port Terminals covered under LDB project in Eastern Corridor for Sep'22

Top Performing Terminal		
Kolkata Dock System (KDS) , Kolkata Port		
Aug'22	Sep'22	↑
56.0 hrs	52.2 hrs	

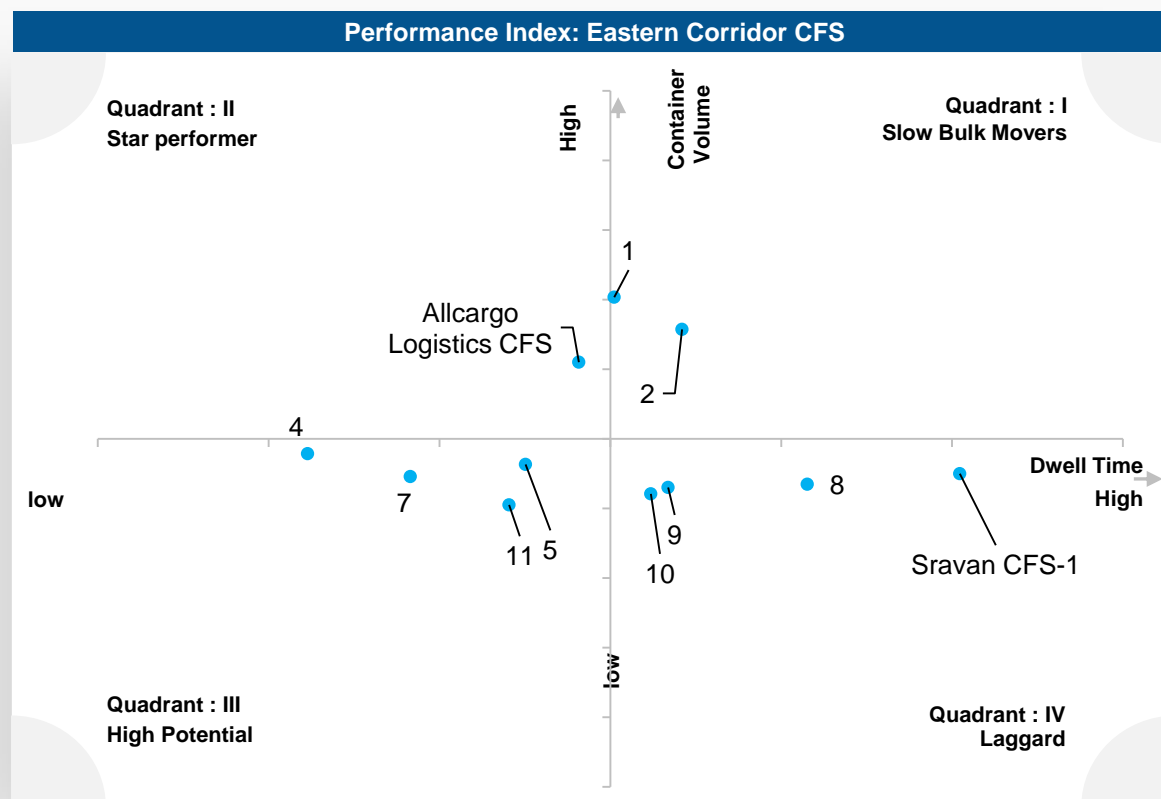
Low Performing Terminal		
Haldia International Container Terminal (HICT)		
Aug'22	Sep'22	↑
115.9 hrs	87.5 hrs	

Note: The performance benchmarking is based on performance index

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

Top Performing CFS	
Allcargo Logistics CFS	
Aug'22	Sep'22
133.3 hrs	139.2 hrs
Low Performing CFS	
Sravan CFS-1	
Aug'22	Sep'22
128.4 hrs	176.9 hrs

Note: The performance benchmarking is based on performance index

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



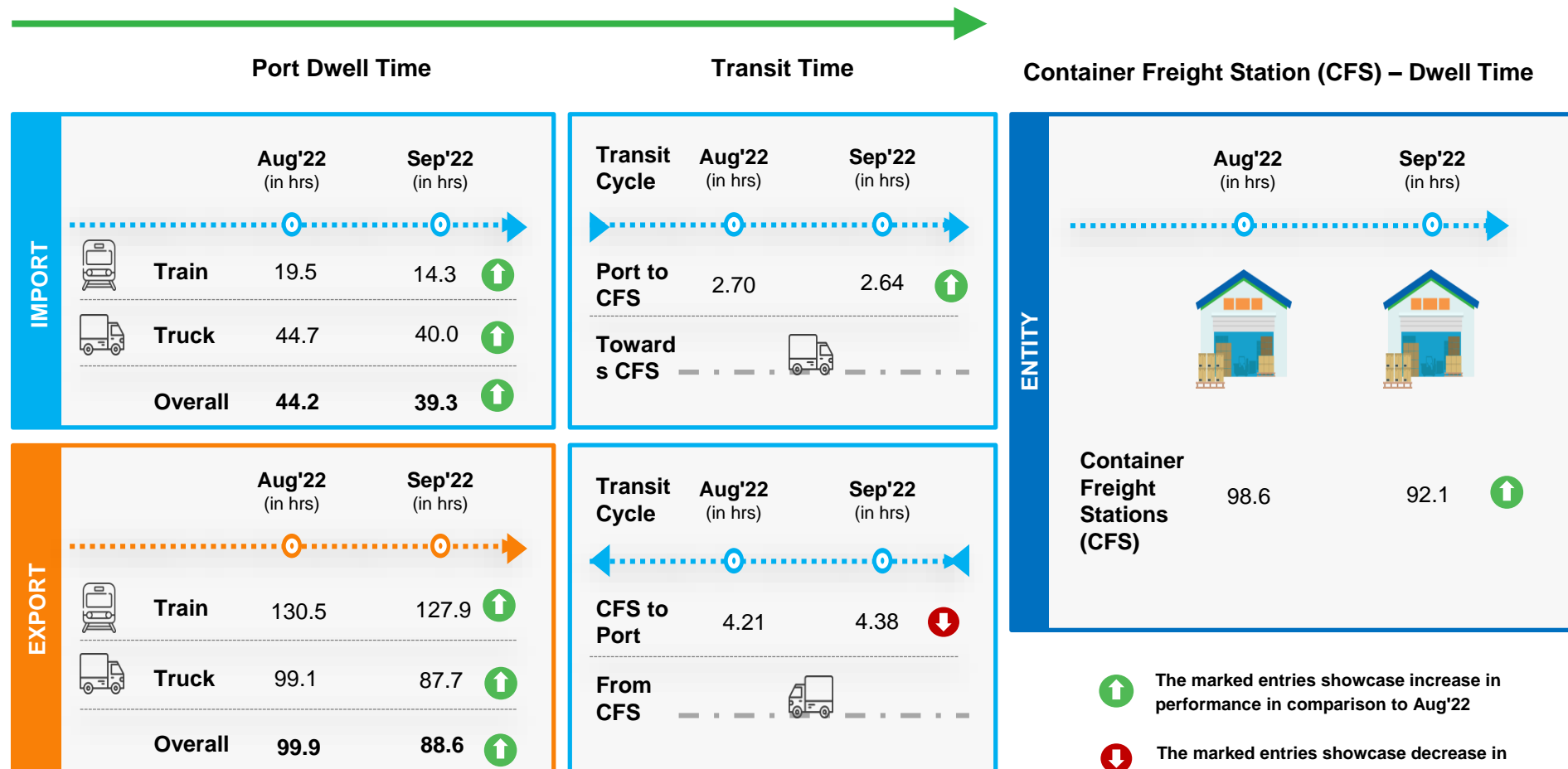


Individual Terminal
Performance In

Southern Corridor

Chennai Port Terminal: Container Transportation

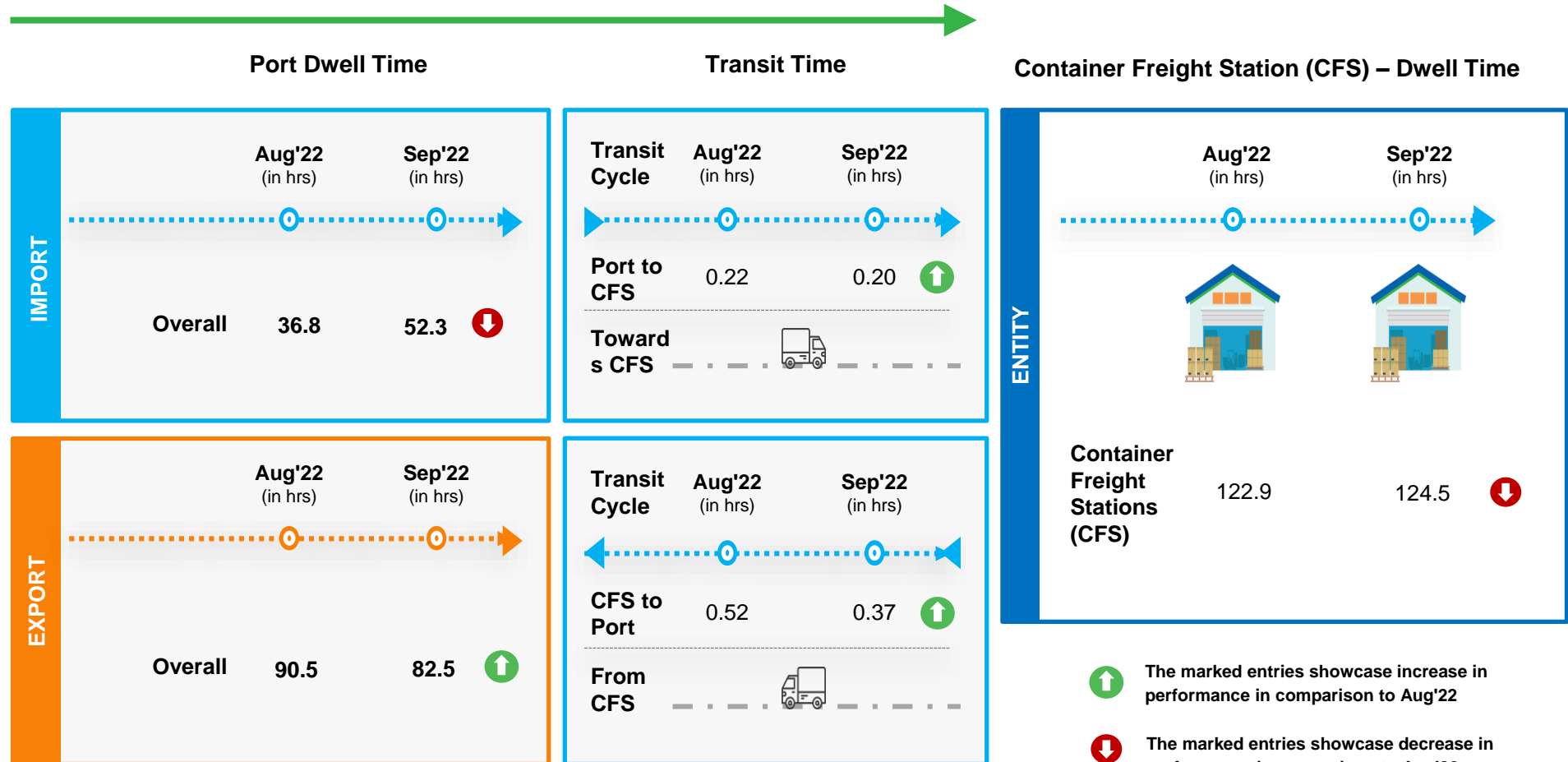
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kochi Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

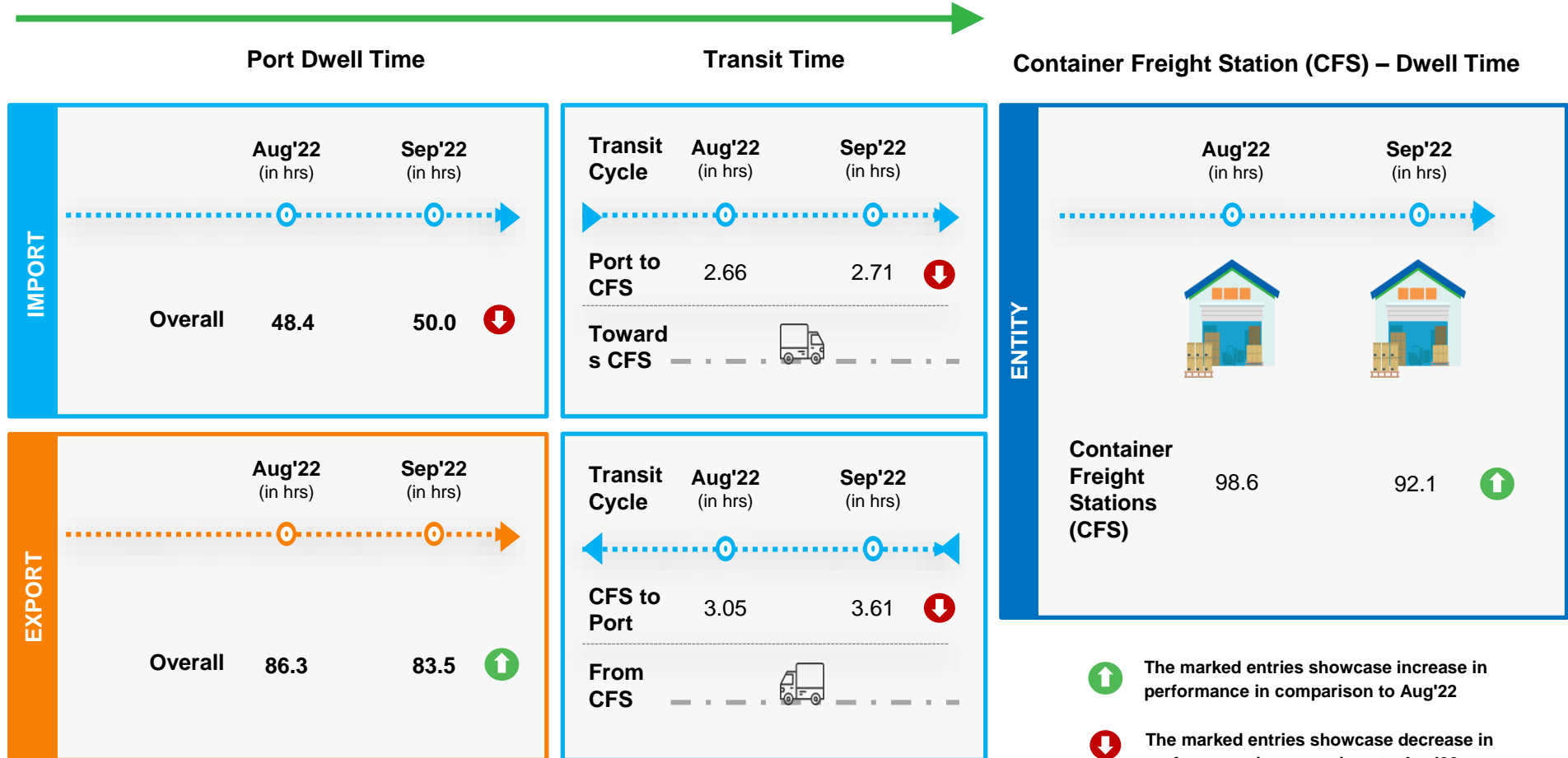


- ↑ The marked entries showcase increase in performance in comparison to Aug'22
- ↓ The marked entries showcase decrease in performance in comparison to Aug'22

Container Lifecycle (Export Cycle)

Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

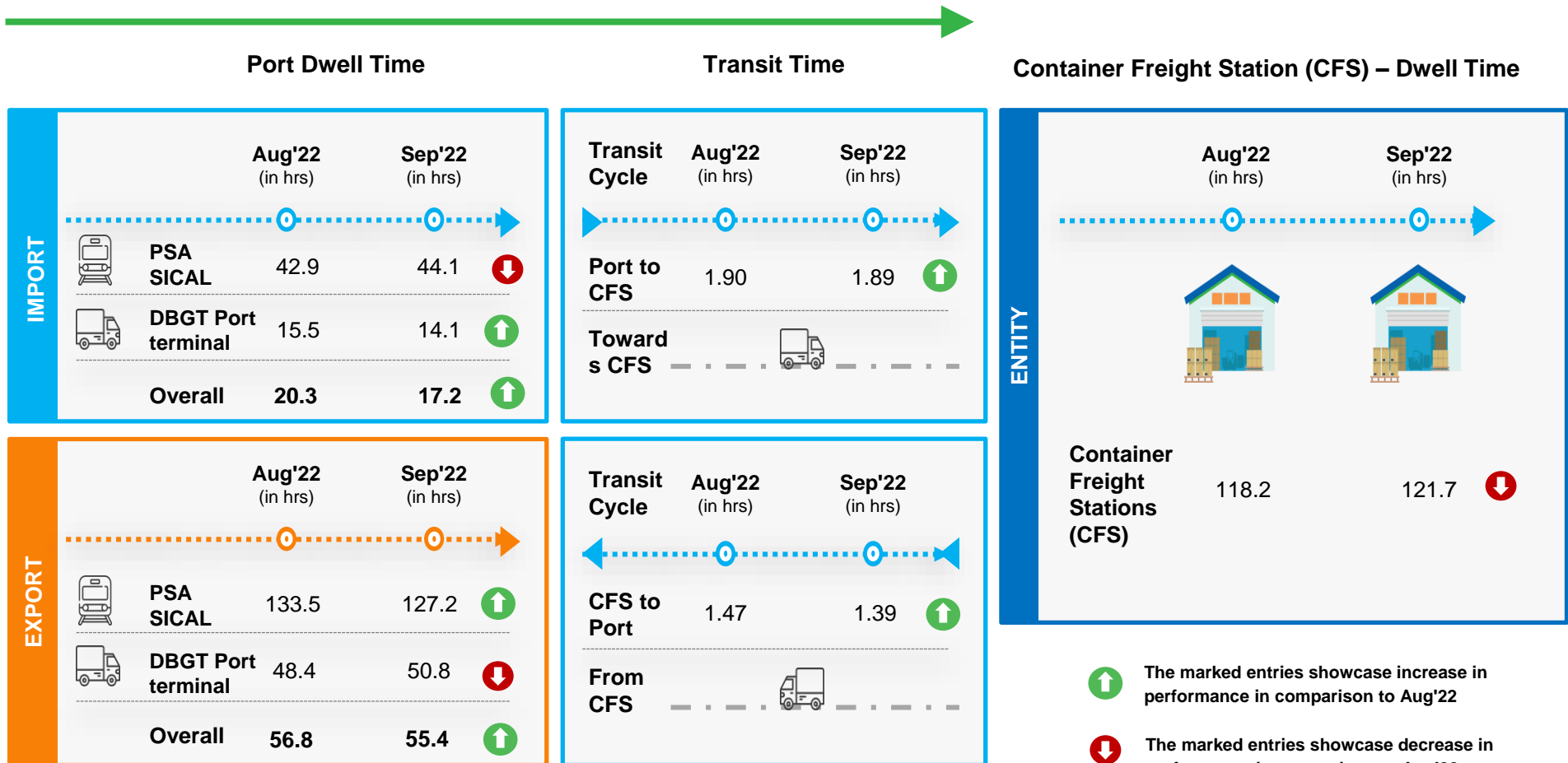


- ↑ The marked entries showcase increase in performance in comparison to Aug'22
- ↓ The marked entries showcase decrease in performance in comparison to Aug'22

Container Lifecycle (Export Cycle)

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



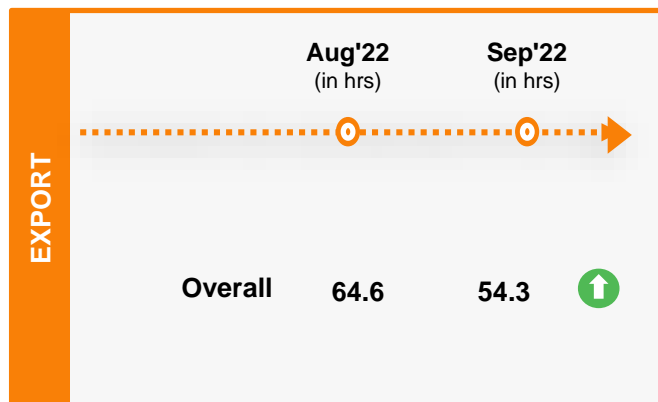
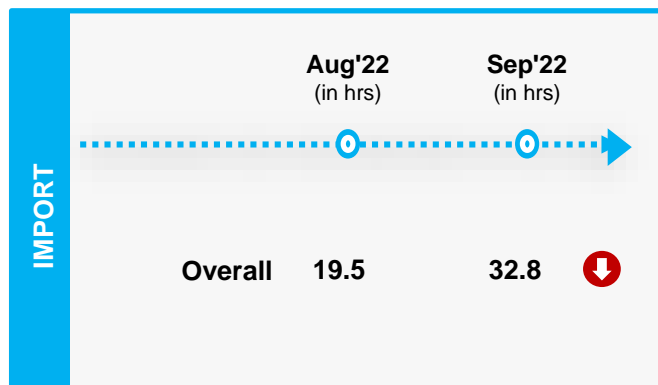
Container Lifecycle (Export Cycle)

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



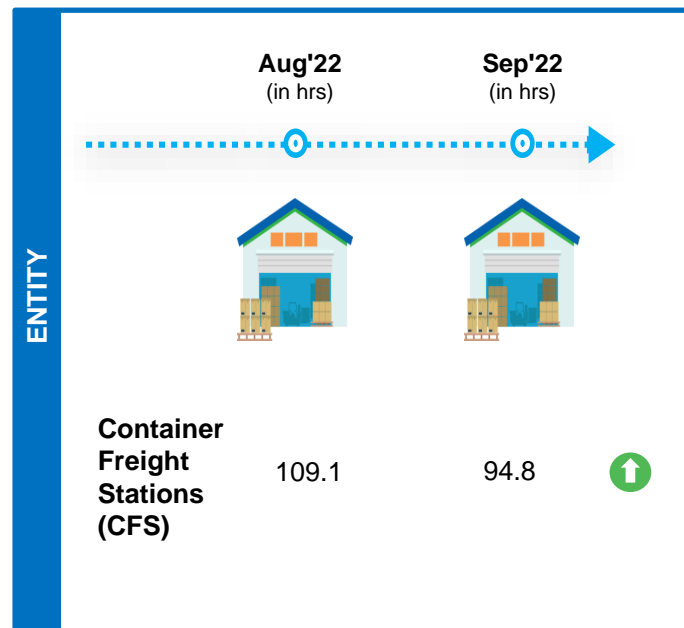
Port Dwell Time



Container Lifecycle (Export Cycle)



Container Freight Station (CFS) – Dwell Time



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

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT		Aug'22 (in hrs)	Sep'22 (in hrs)	
		17.0	17.9	↓
		34.5	36.7	↓
	Overall	33.8	35.8	↓

EXPORT		Aug'22 (in hrs)	Sep'22 (in hrs)	
		159.2	102.1	↑
		114.9	82.6	↑
	Overall	116.0	84.0	↑

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

	Aug'22 (in hrs)	Sep'22 (in hrs)	
Container Freight Stations (CFS)	98.6	92.1	↑



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



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

Port Dwell Time



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



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

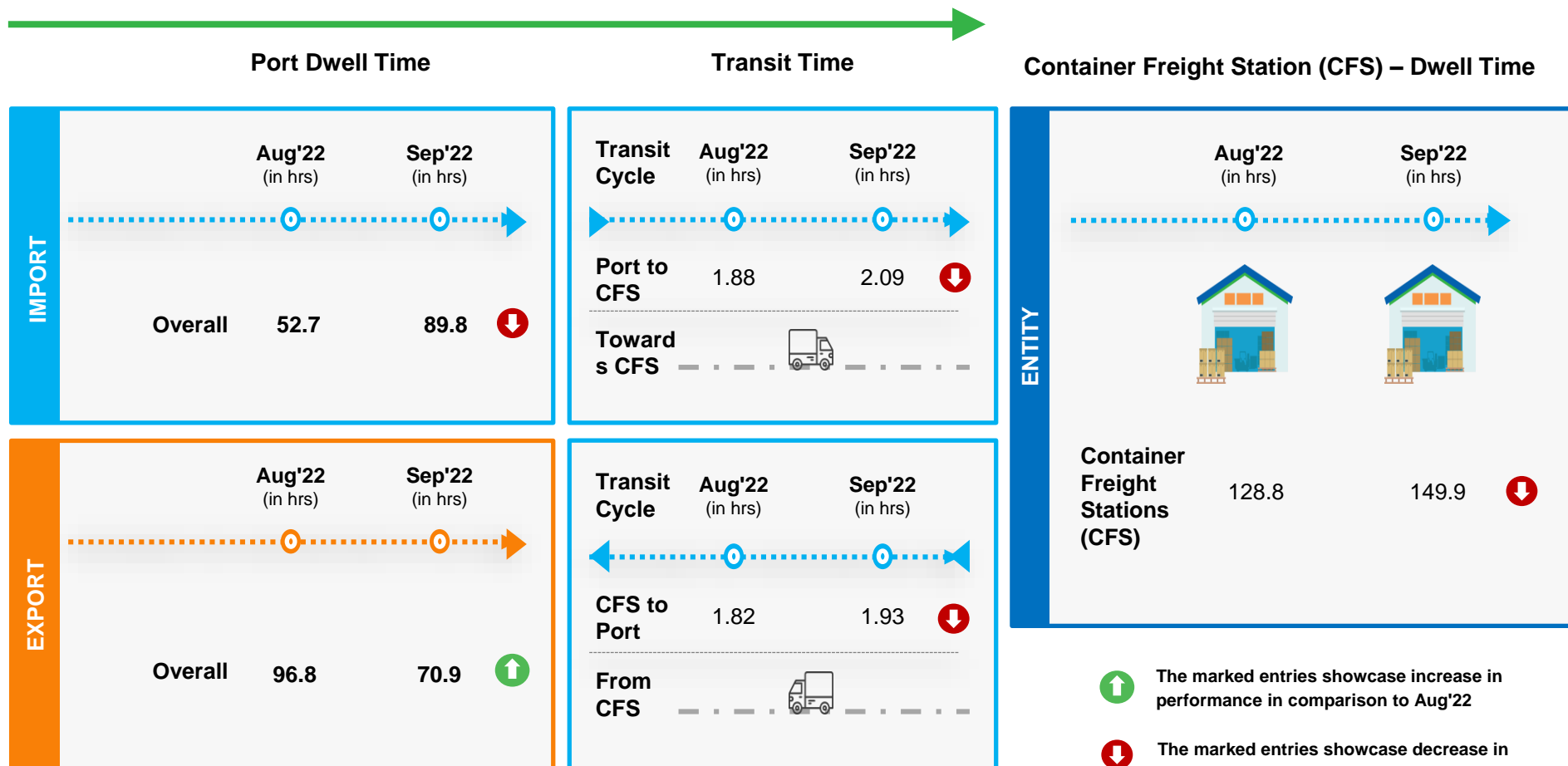


Individual Terminal Performance In Eastern Corridor



Vishakhapatnam Port Terminal: Container Transportation

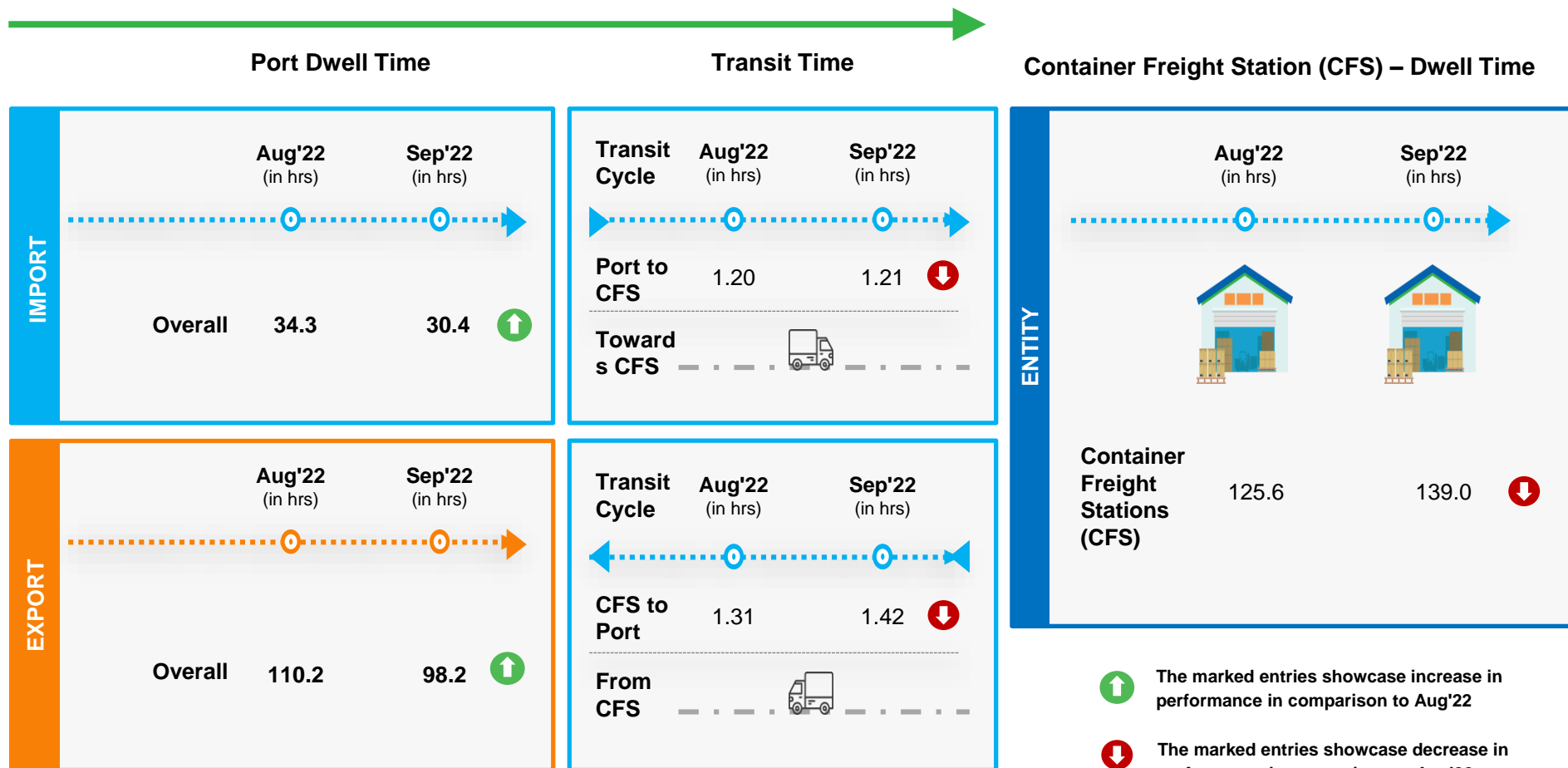
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation

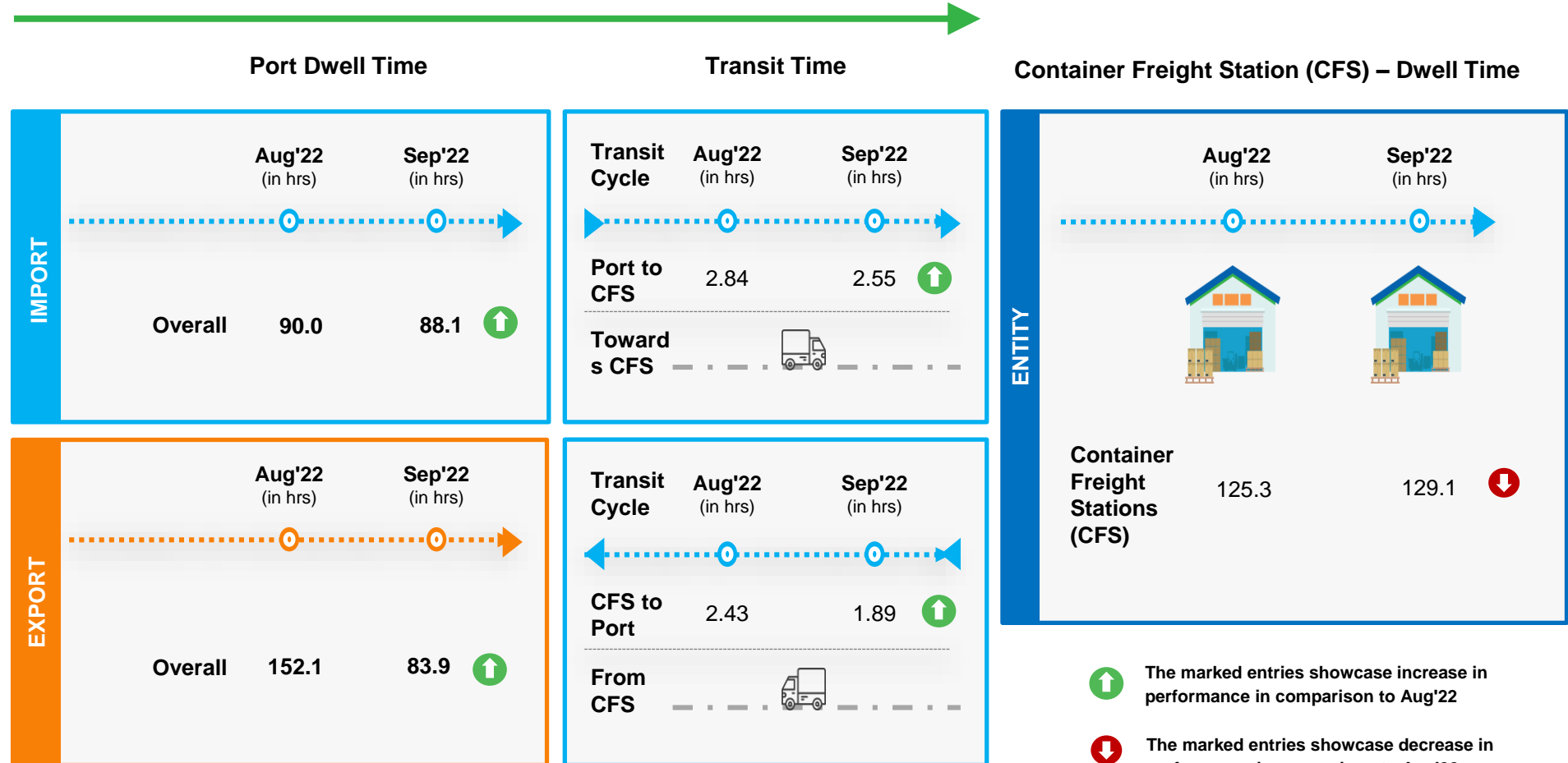
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



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

Container Lifecycle (Export Cycle)



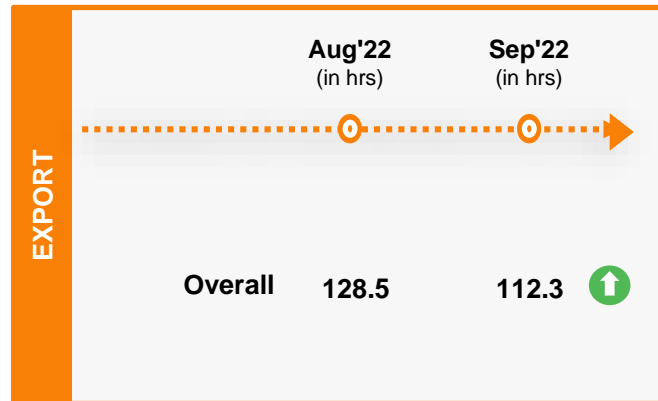
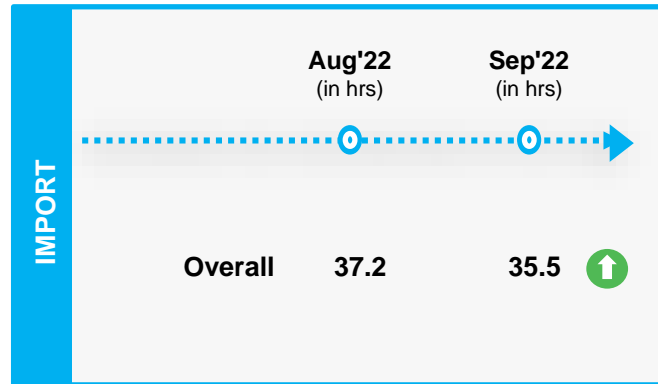
Individual Terminal Performance In Western Corridor

Pipavav Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



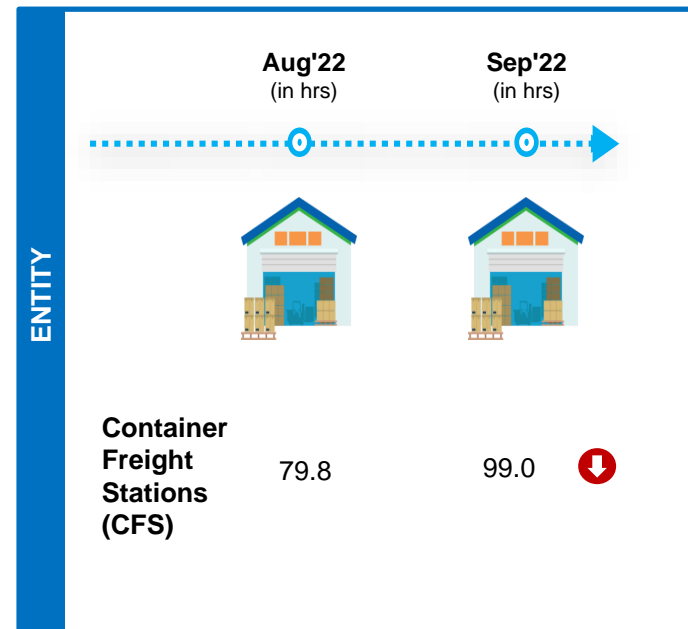
Port Dwell Time



Container Lifecycle (Export Cycle)



Container Freight Station (CFS) – Dwell Time

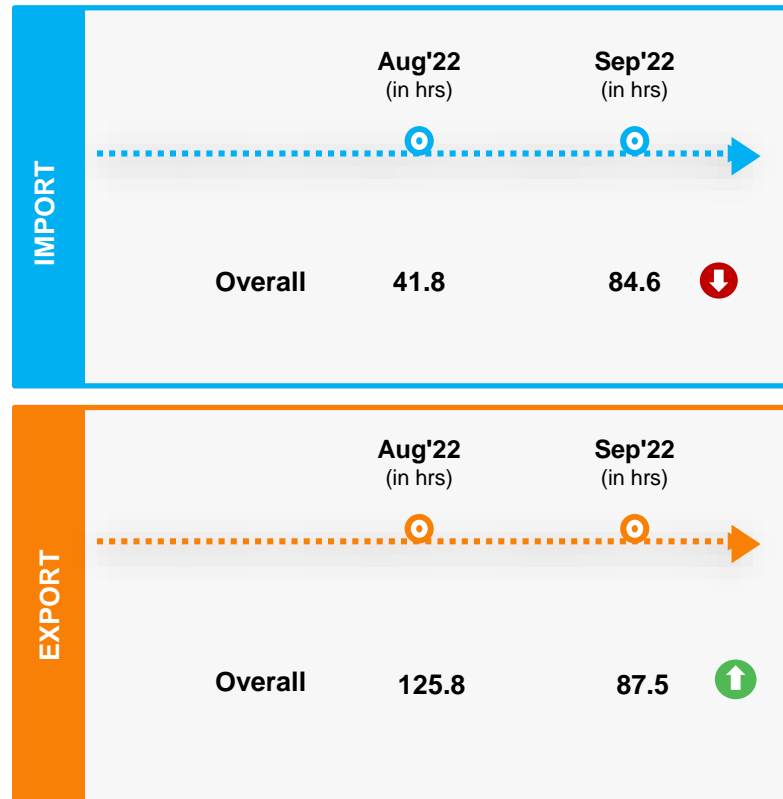


The marked entries showcase increase in performance in comparison to Aug'22



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

Port Dwell Time



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



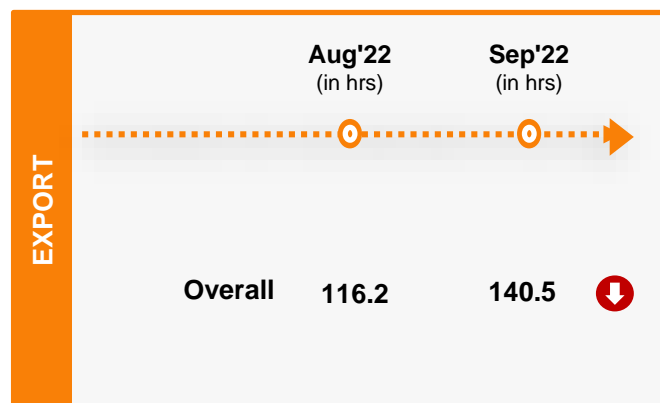
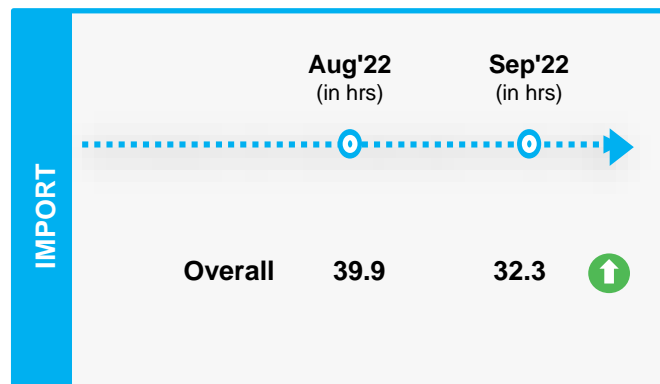
The marked entries showcase decrease in performance in comparison to Aug'22

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



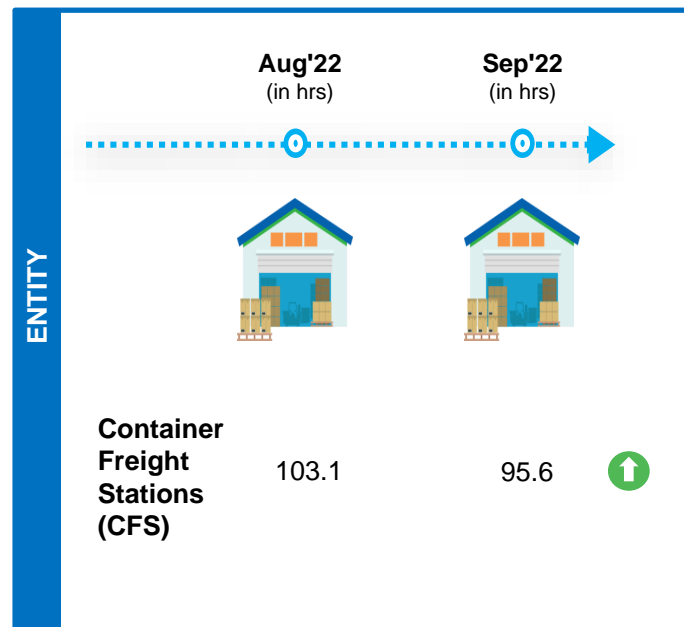
Port Dwell Time



Container Lifecycle (Export Cycle)



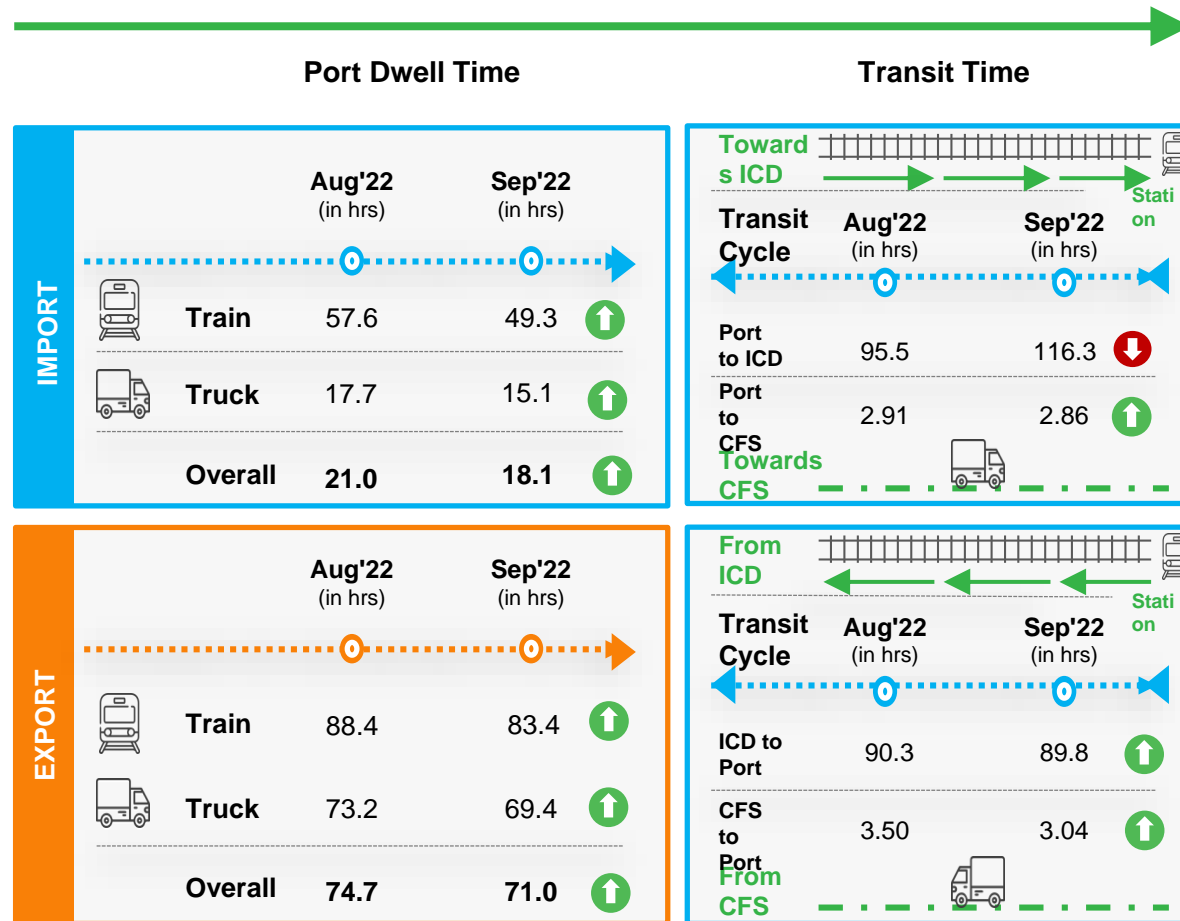
Container Freight Station (CFS) – Dwell Time



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

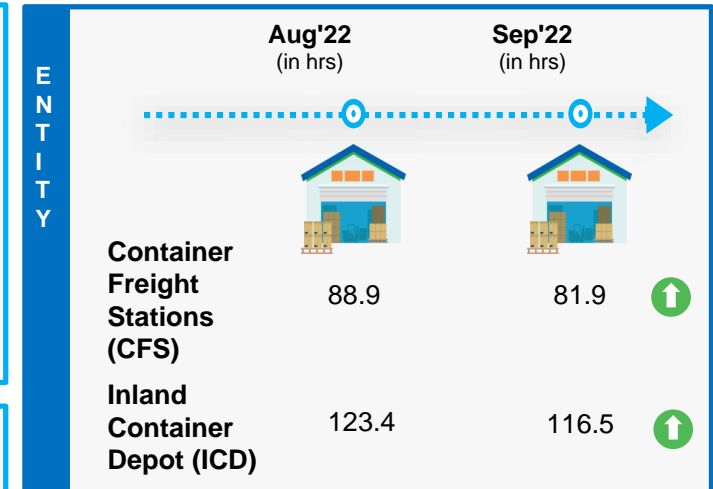
Container Transportation- JNPA Port Terminals

Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

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



Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	19%	22%
Truck	81%	78%



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



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

Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Sep'22 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	18.1	13.8%	↑
	Port Dwell Time for Truck Bound Containers	15.1	14.7%	↑
	Port Dwell time for Train Bound Containers	49.3	14.4%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	32.3	2.7%	↑
	Port Dwell time Containers bound for CFS	13.8	12.7%	↑
	Port Dwell for Empty Containers	24.4	23.0%	↑
	Port Dwell for Laden Containers	16.9	11.1%	↑
Transit time	Port to ICD	116.3	21.8%	↓
	Port to CFS	2.86	1.7%	↑
EXPORT CYCLE DWELL TIME (Sep'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	71.0	5.1%	↑
	Port Dwell Time for Truck Bound Containers	69.4	5.2%	↑
	Port Dwell time for Train Bound Containers	83.4	5.7%	↑
	Port Dwell time Direct Port Entry (DPE) containers	72.8	8.4%	↑
	Port Dwell time Containers bound from CFS	71.1	4.7%	↑
	Port Dwell for Empty Containers	65.2	4.2%	↓
	Port Dwell for Laden Containers	73.1	7.0%	↑
Transit time	ICD to Port	89.8	0.6%	↑
	CFS to Port	3.04	13.1%	↑

Compared
to Aug'22

Compared
to Aug'22



 The arrows depict increase/decrease in performance of the stakeholders in comparison to Aug'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	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall Parking Plaza	5.60	5.56

Container Handled: Day wise (Sep'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	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.31	1.10

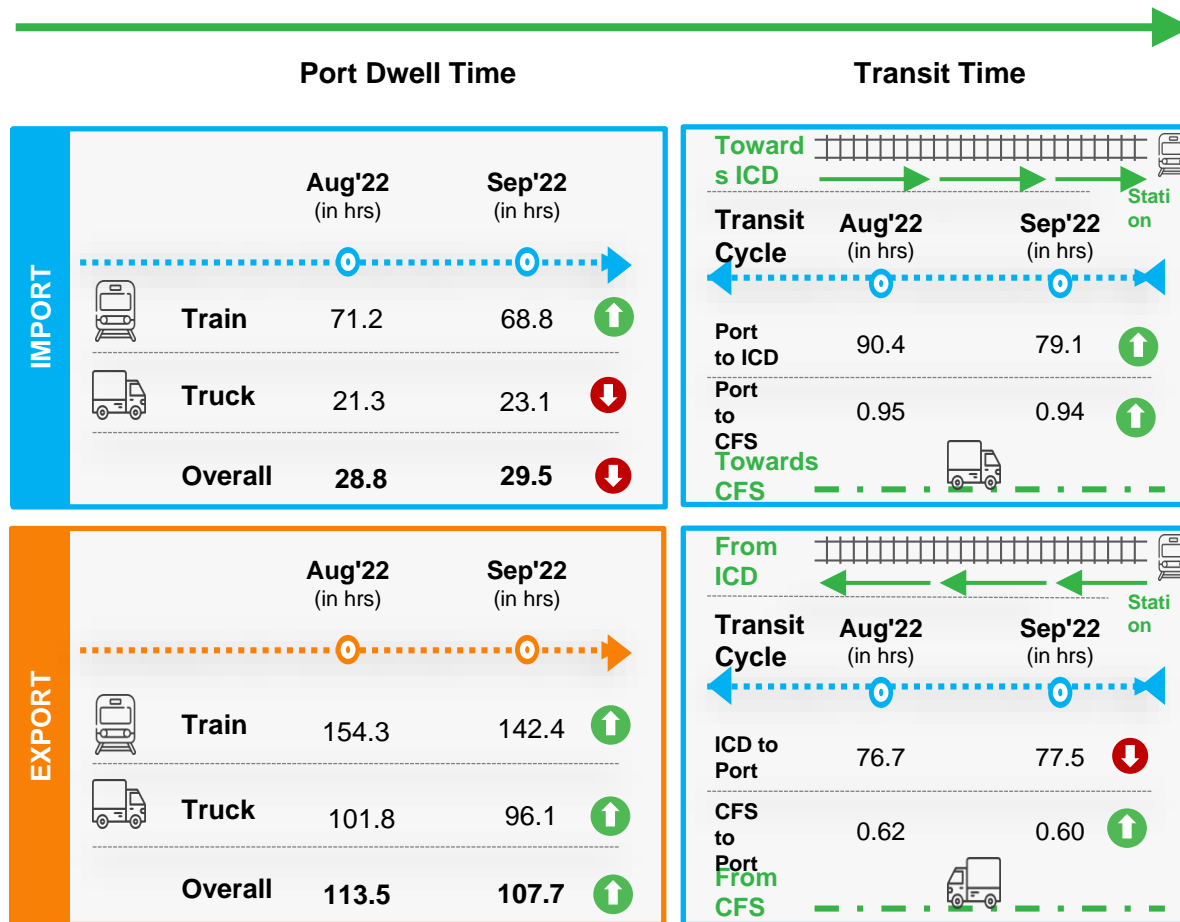
Terminal	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	1.0	1.0
NSICT	1.3	0.9
GTI	0.6	0.7
NSIGT	1.2	0.8
BMCT	4.2	3.1

Container Handled: Day wise (Sep'22)

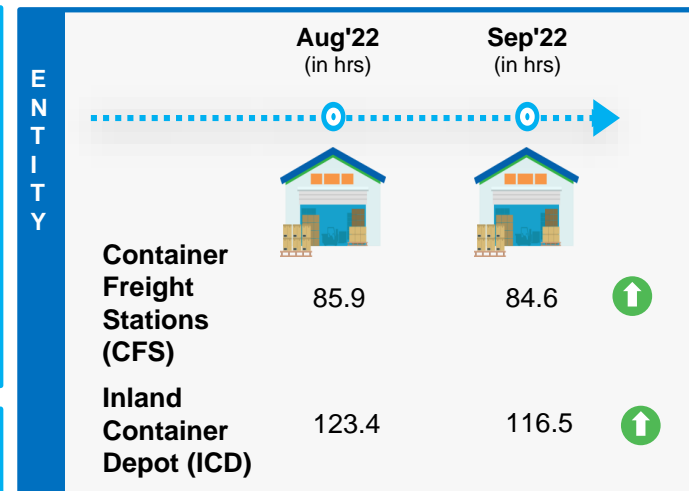
Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	96%	4%	0%
NSICT	97%	3%	0%
GTI	98%	2%	0%
NSIGT	98%	2%	0%
BMCT	87%	13%	0%

Mundra Port Terminal : Container Transportation

Container Lifecycle (Import Cycle)



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



Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	26%	32%
Truck	74%	68%

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

Container Lifecycle (Export Cycle)

Container Transportation- Mundra Port Terminal

IMPORT CYCLE DWELL TIME (Sep'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	29.5	2.1%	↓
	Port Dwell Time for Truck Bound Containers	23.1	8.5%	↓
	Port Dwell time for Train Bound Containers	68.8	3.4%	↑
Transit time	Port to ICD	79.1	12.5%	↑
	Port to CFS	0.94	1.1%	↑

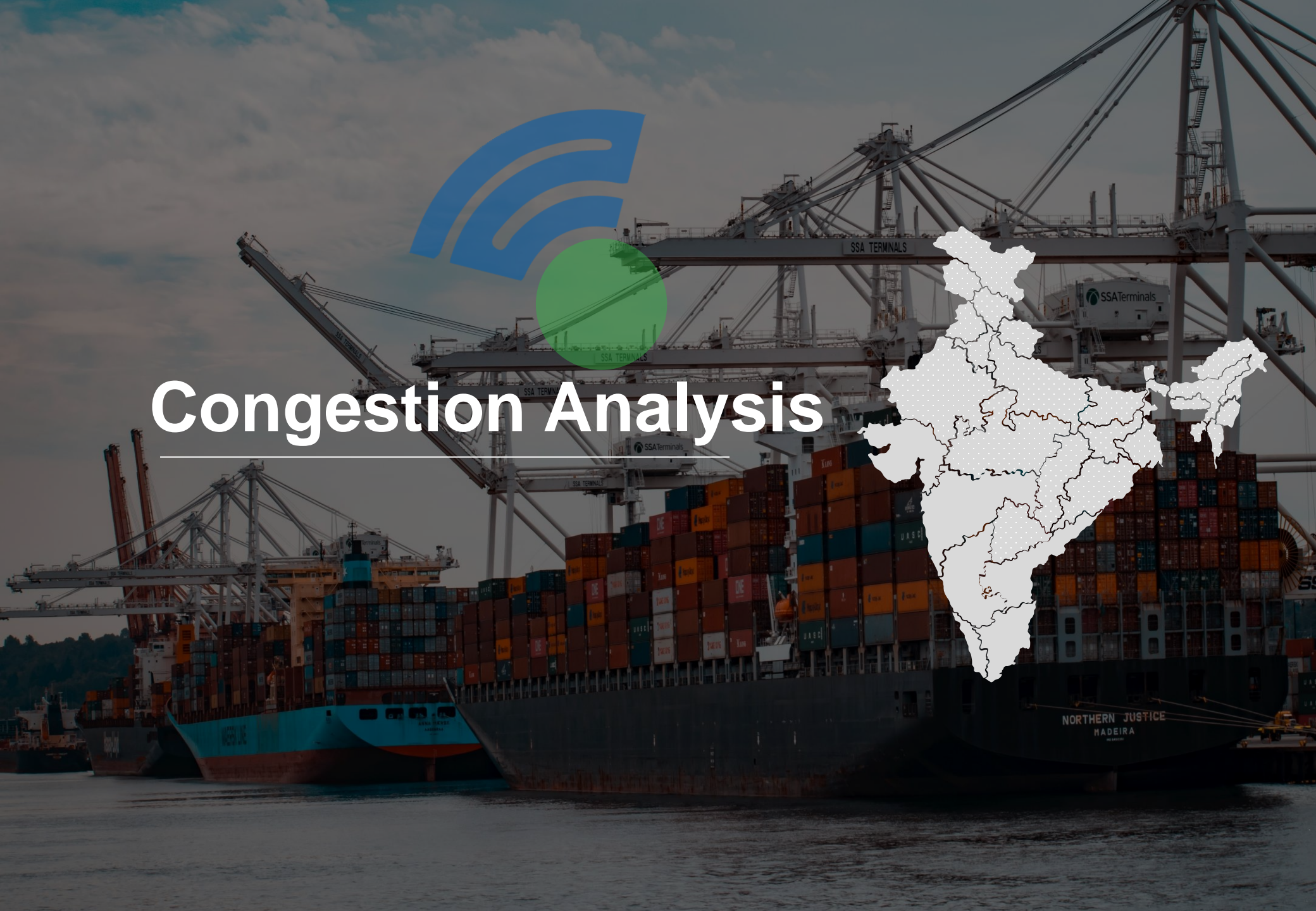
EXPORT CYCLE DWELL TIME (Sep'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	107.7	5.2%	↑
	Port Dwell Time for Truck Bound Containers	96.1	5.6%	↑
	Port Dwell time for Train Bound Containers	142.4	7.7%	↑
Transit time	ICD to Port	77.5	1.0%	↓
	CFS to Port	0.60	3.2%	↑

Compared
to Aug'22

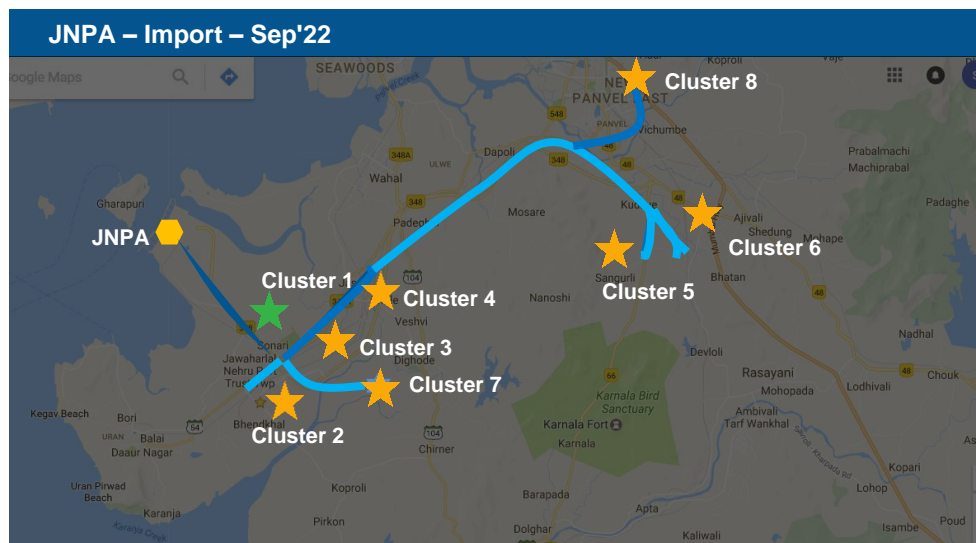


The arrows depict increase/decrease in performance of the stakeholders in comparison to Aug'22

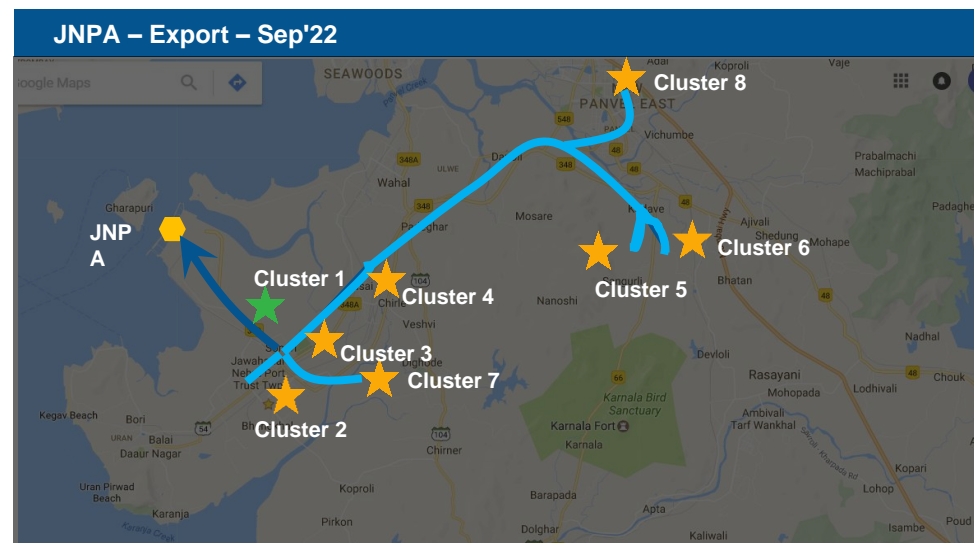
Congestion Analysis



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



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

Mundra Region: Congestion Analysis



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

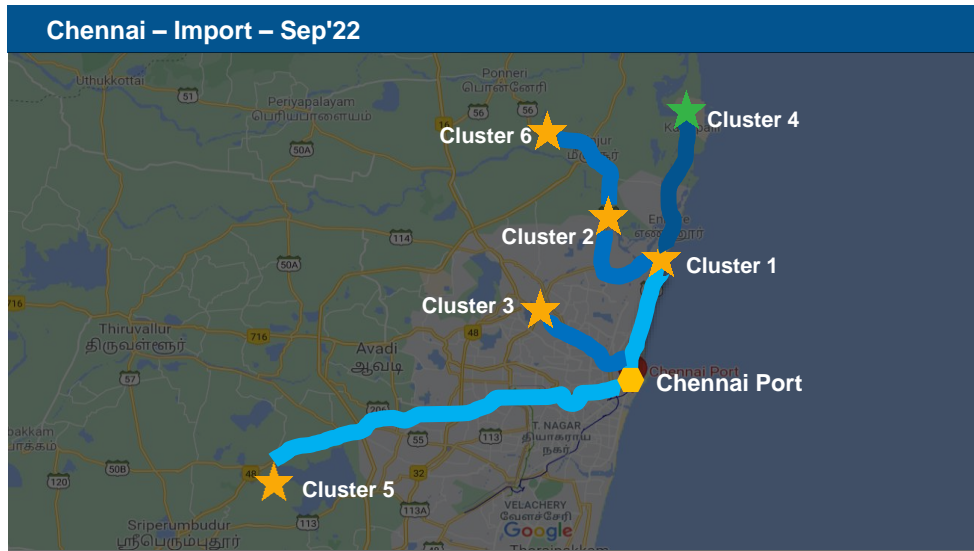


Clusters with bottleneck	
Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

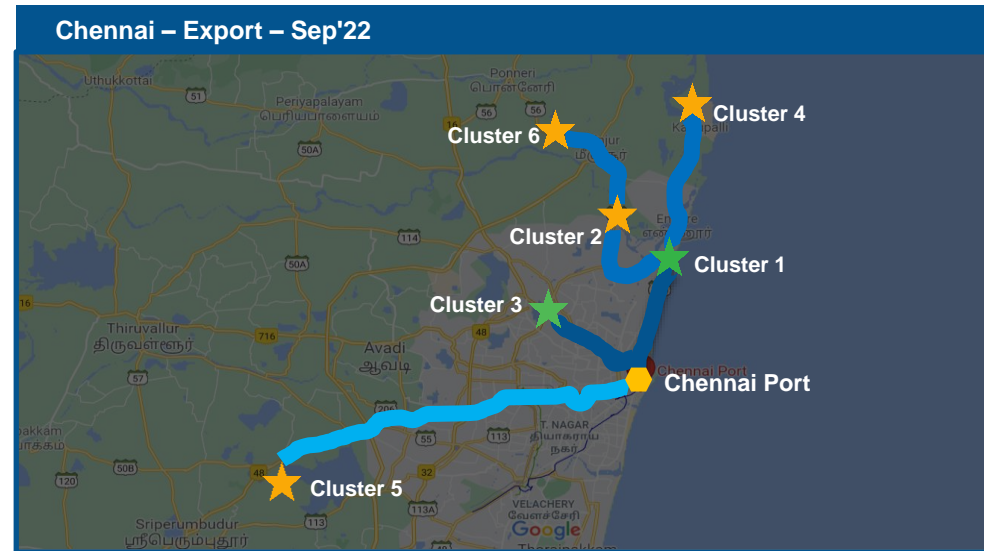
Legends

█ 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

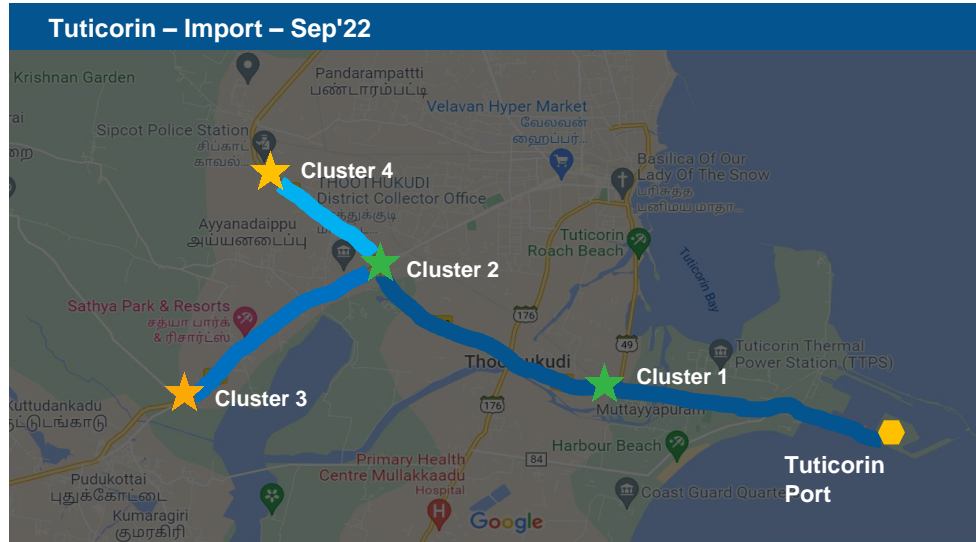


Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 3	Chennai central area
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

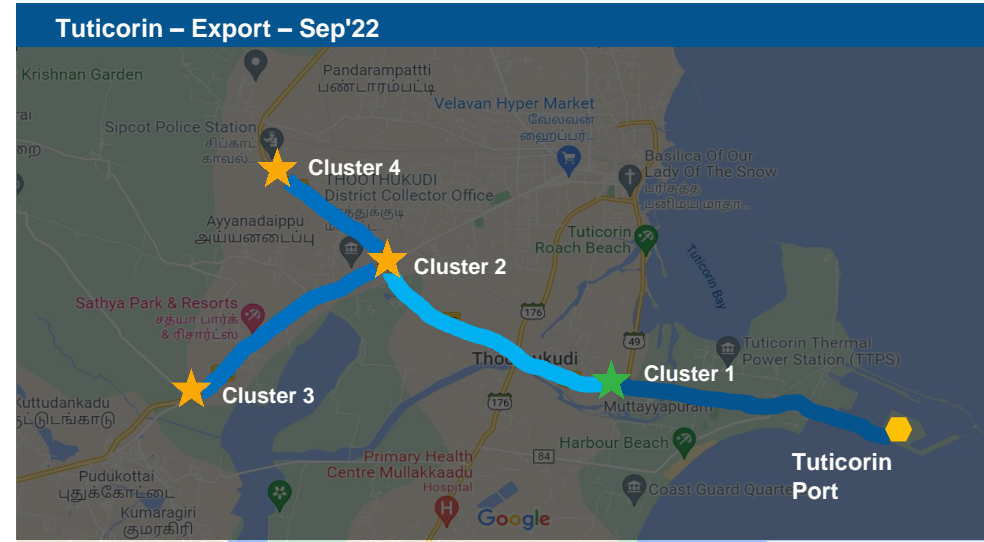
Legends

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

Tuticorin Region: Congestion Analysis



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

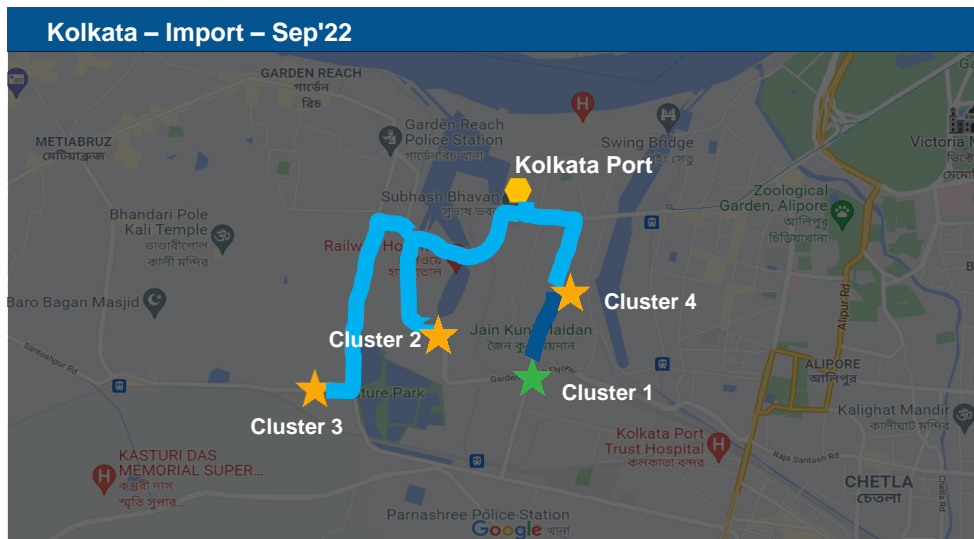


Clusters with bottleneck	
Cluster 1	Near by VOC road
Clusters without bottleneck	
Cluster 2	Perianayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

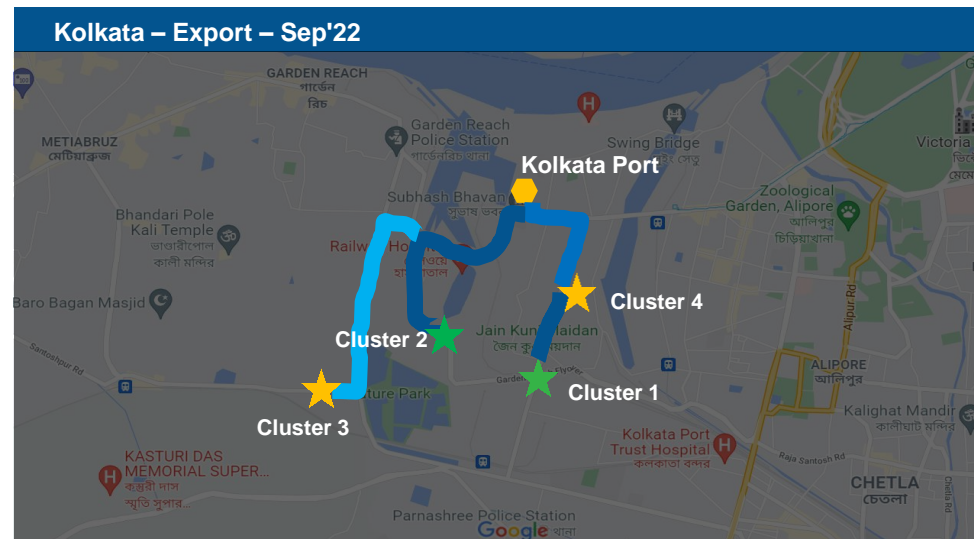
Legends

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

Kolkata Region: Congestion Analysis



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

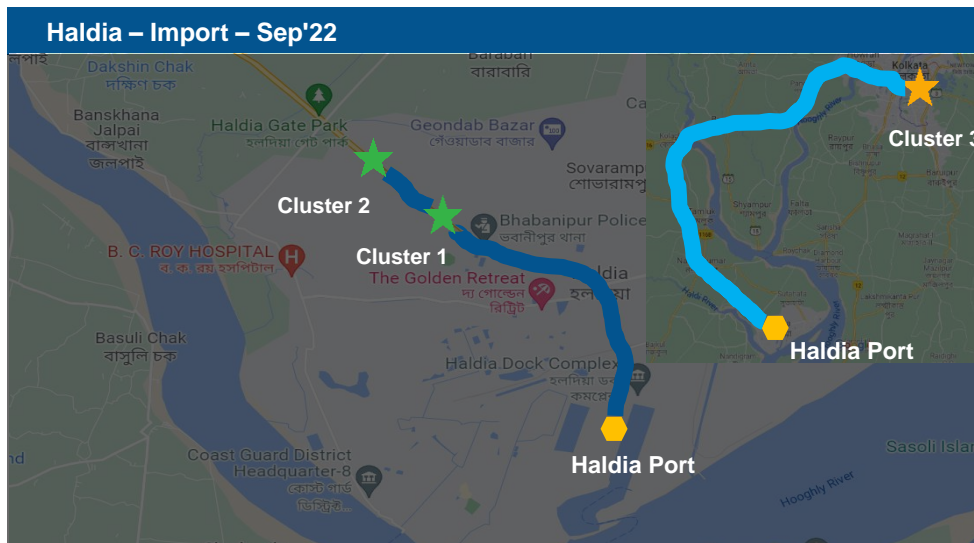


Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Clusters without bottleneck	
Cluster 3	Nature park area
Cluster 4	Babu bazar area

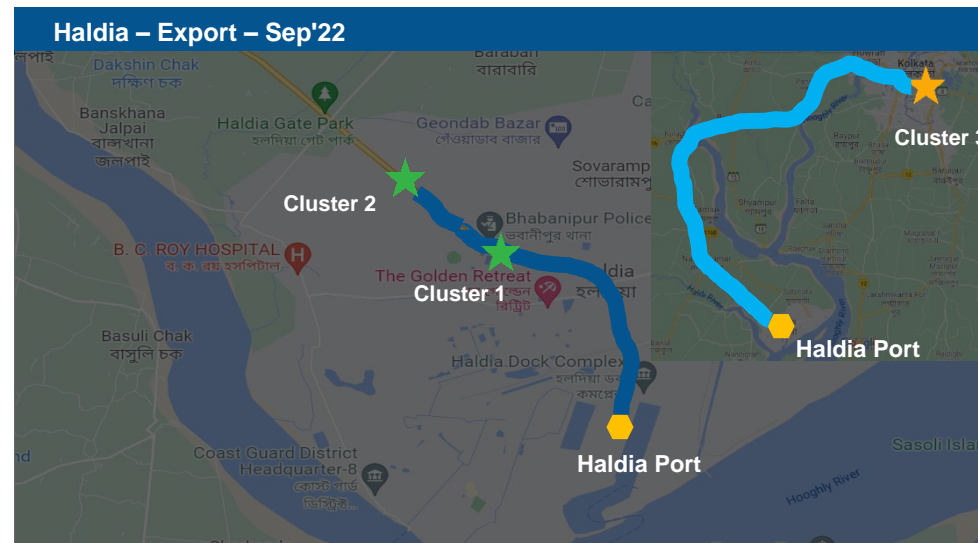
Legends

- High Congestion (Dark Blue line)
- Medium Congestion (Medium Blue line)
- Low Congestion (Light Blue line)
- 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

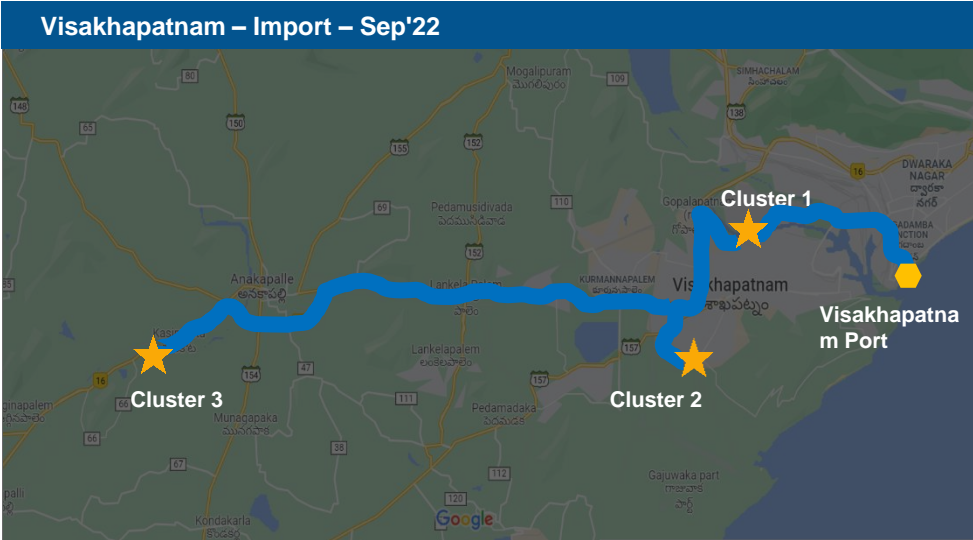


Clusters with bottleneck	
Cluster 1	Talpukur area, Kolkata highway
Cluster 2	City centre area, Kolkata highway
Clusters without bottleneck	
Cluster 3	Silpodanga area

Legends

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

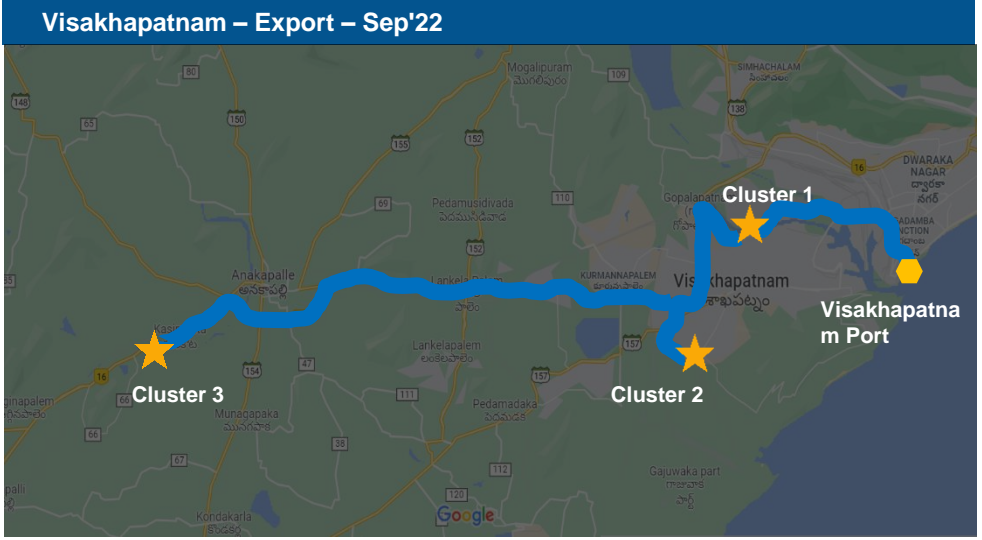
Visakhapatnam Region: Congestion Analysis



Clusters with bottleneck

Clusters without bottleneck

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



Clusters with bottleneck

Clusters without bottleneck

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

Legends

High Congestion

Medium Congestion

Low Congestion



Cluster with bottleneck



Cluster without bottleneck

Container Movement across India

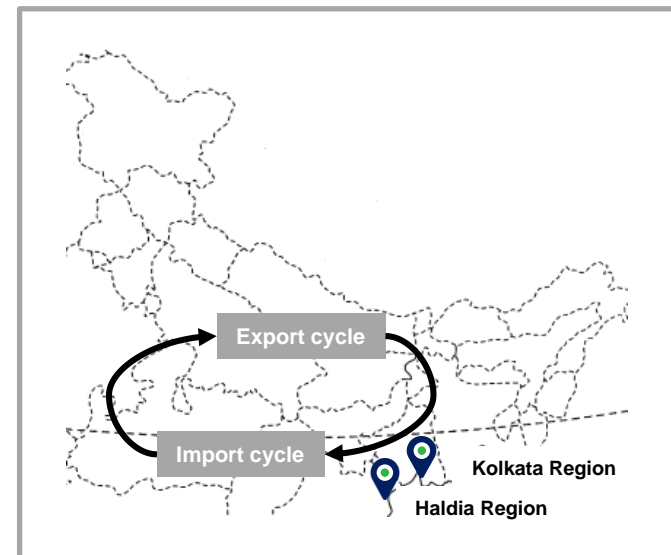


Transit movement across ICPs

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

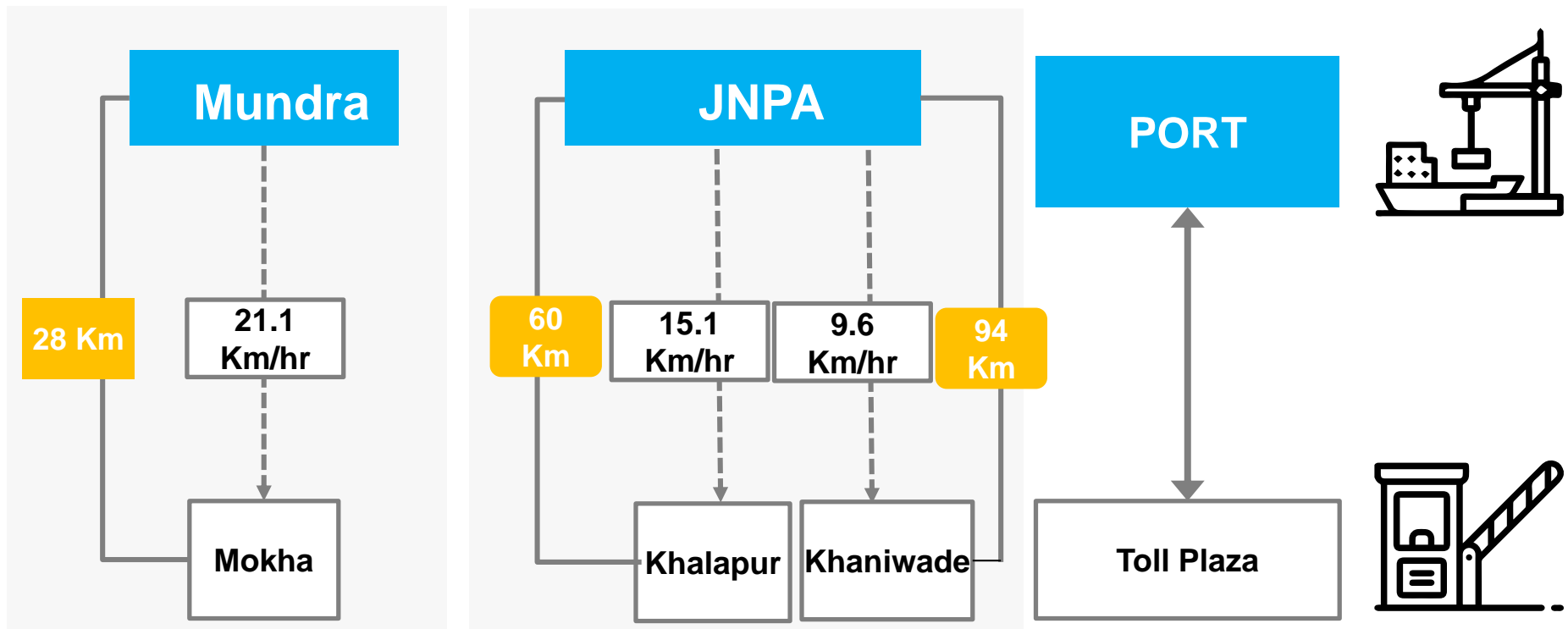
Kolkata Port Terminal		
Import Cycle	Mode	ICP Raxaul
	Overall	83.0 hrs
	Road	118.9 hrs
	Rail	66.4 hrs
Haldia Port Terminal		
	Mode	ICP Raxaul
	Overall	-

Kolkata Port Terminal		
Export Cycle	Mode	ICP Raxaul
	Overall	375.3 hrs
	Road	244.6 hrs
	Rail	386.6 hrs
Haldia Port Terminal		
	Mode	ICP Raxaul
	Overall	707.4 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	Aug'22	Sep'22
Western	Hazira	Boriach	77	7.1	4.6	4.0
Eastern	KOPT(Kolkata)	Dankuni	24	2.8	2.5	2.7
	HICT(Haldia)	Debra	100	7.6	8.6	8.8
		Jaladhulagori	101	5.8	6.7	8.4
Southern	Chennai	Surapattu	18	-	-	-
		Nallur	23	1.5	1.5	1.6
	Kochi	Kumbalam	13	0.7	0.7	0.8
		GIPL Palayekara	71	10.2	12.7	10.4
	NMPT (New Manglore)	Brahamarakotlu	25	1.7	1.6	1.4
		Talapady	22.5	1.4	1.8	1.4
		Gundmi	68	6.5	5.1	4.4
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	3.1	2.5	3.2
	Ennore	Surapattu	35	-	-	-
	Tuticron	VoCPT CheckPost1	4.3	14.5	14.2	14.5

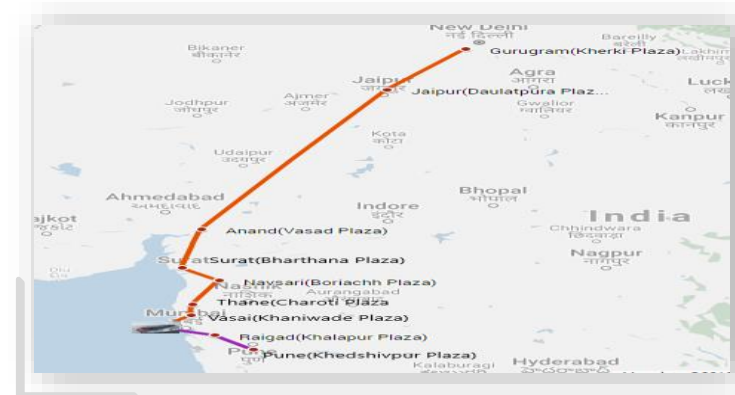
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

Western Corridor Toll Plaza Analysis

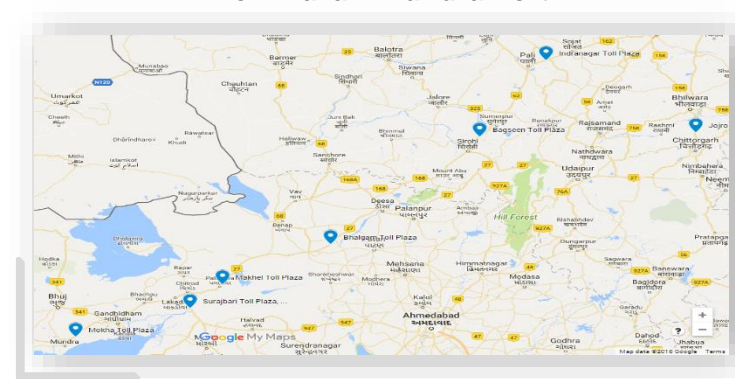
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Aug'22 (in km/hrs)	Sep'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	9.3	9.6
	JNPA	Khalapur	60	11.1	15.1
	Khaniwade	Charoti	50	34.3	33.1
	Charoti	Boriach	126	25.8	25.4
	Boriach	Bharthan	142	28.1	27.8
	Bharthan	Vasad	60	36.5	36.1
MUNDRA	Khalapur	Khedshivpur	105	32.0	32.0
	Mundra	Mokha	28	21.4	21.1
	Mokha	Makhel	150	24.0	23.3
	Mokha	Surajbari	115	23.2	23.4
	Makhel	Bhalgam	108	30.0	28.2

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

Annexure – Western Region

List of CFS name used in CFS Performance Index

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

List of ICD name used in ICD Performance Index

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

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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

THANK

YOU

