



Logistics Databank Analytics Report

March 2022



Section 01

Report Inference

This sections depicts the inference and major highlights of the report

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

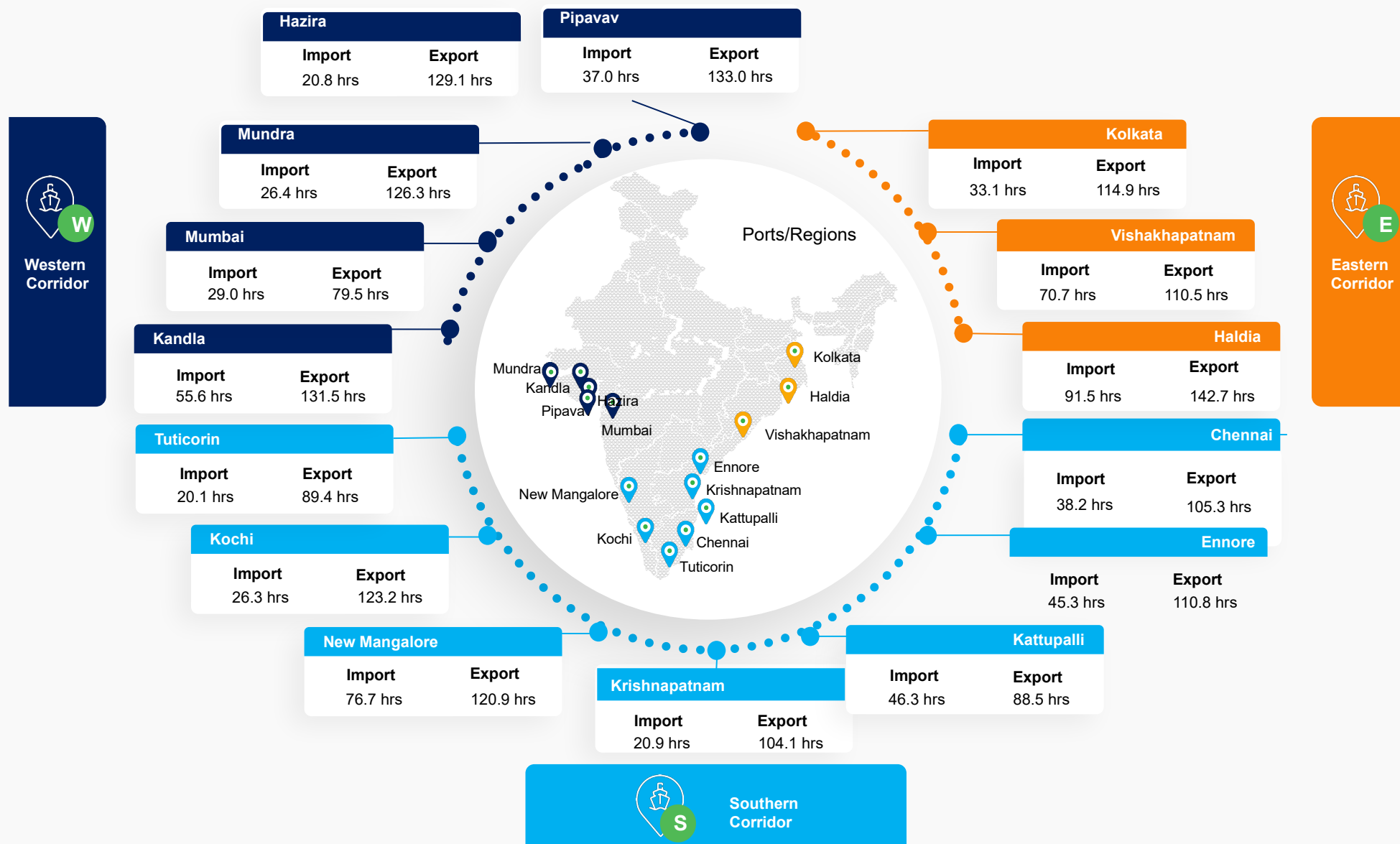
Section 02

Annexure

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

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

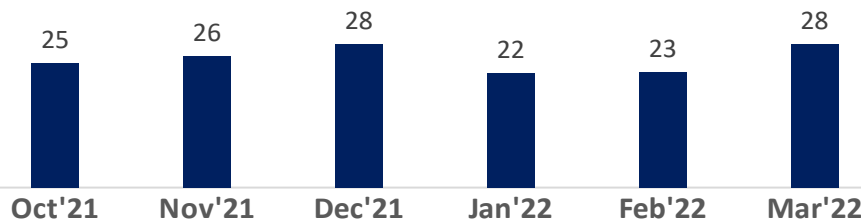
PAN INDIA Performance Snapshot: March 2022 (Dwell Time)



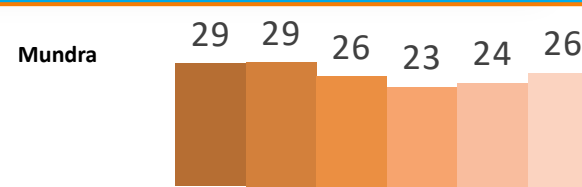
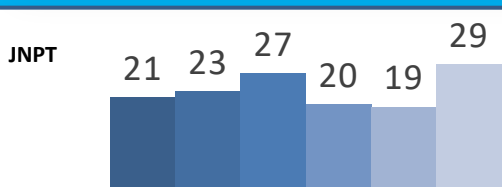
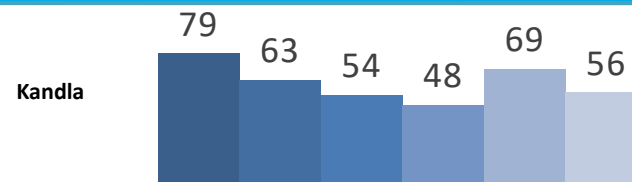
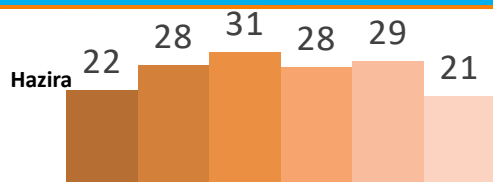
Port Dwell Time Performance – Western Corridor (Import Cycle)

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

Western Corridor



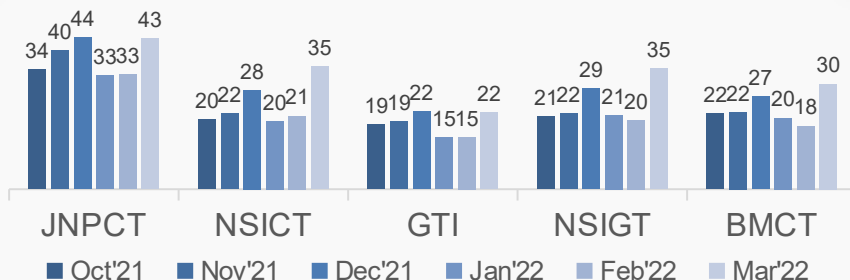
Port - Wise



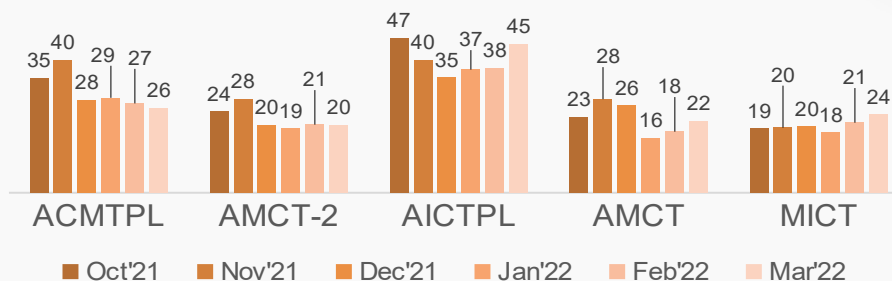
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■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22 ■ Mar'22

JNPT - Terminal



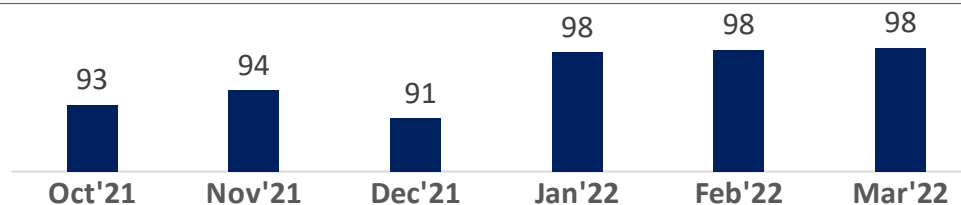
Mundra - Terminal



Port Dwell Time Performance – Western Corridor (Export Cycle)

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

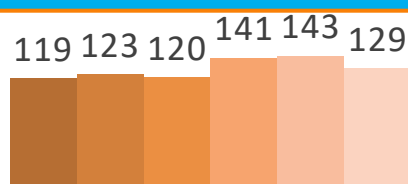
Western Corridor



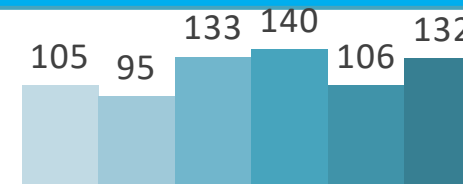
Port - Wise



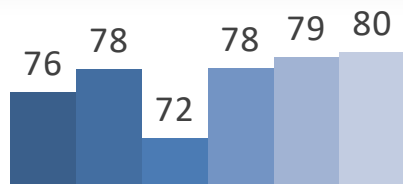
Hazira



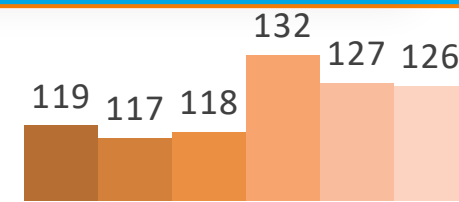
Kandla



JNPT



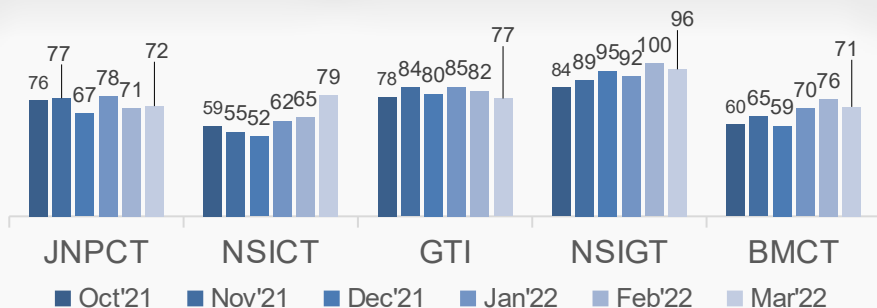
Mundra



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

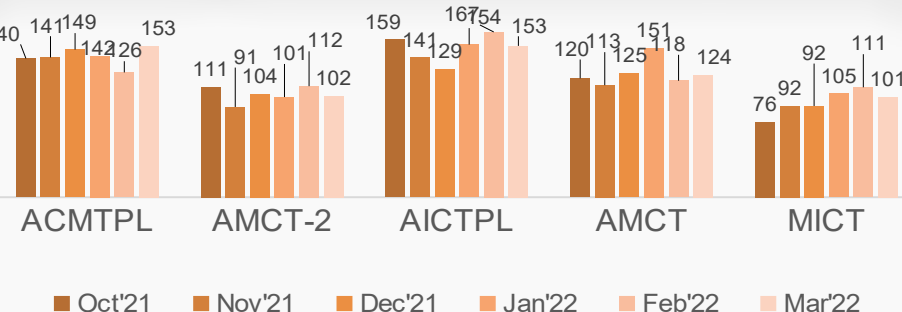
■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22 ■ Mar'22

JNPT - Terminal



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

Mundra - Terminal

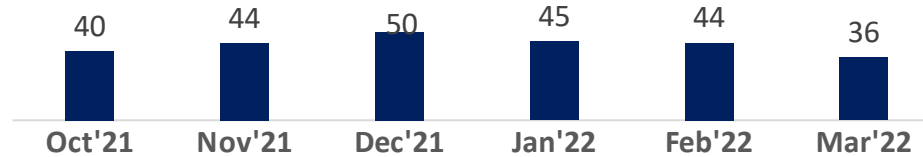


■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22 ■ Mar'22

Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

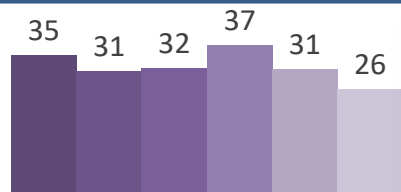
Southern Corridor



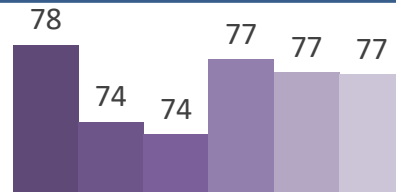
Port - Wise



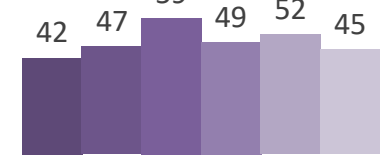
Kochi



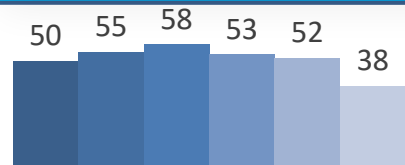
New Mangalore



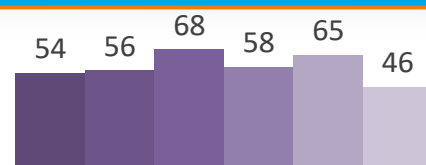
Ennore



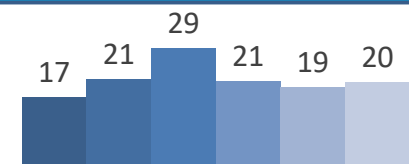
Chennai



Kattupalli



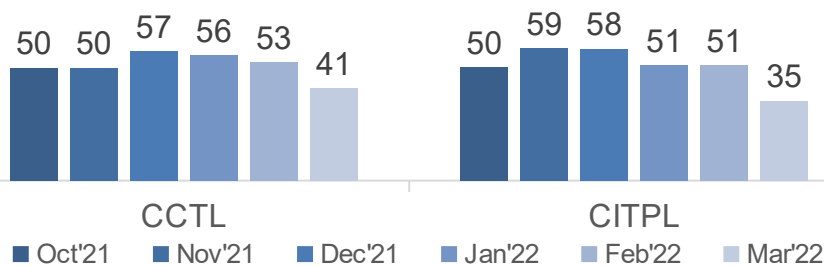
Tuticorin



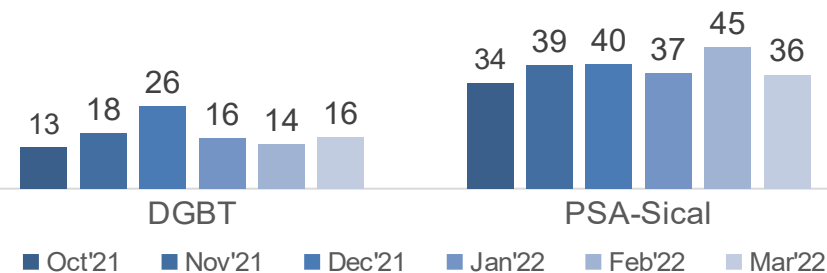
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■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22 ■ Feb'22 ■ Mar'22

Chennai - Terminal



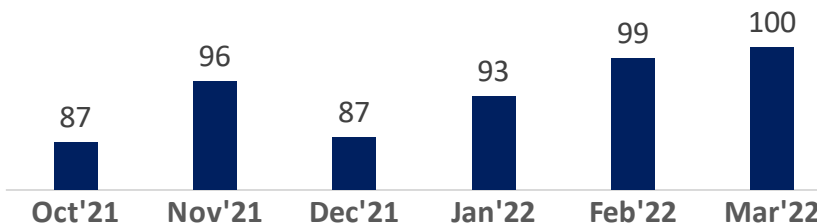
Tuticorin - Terminal



Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

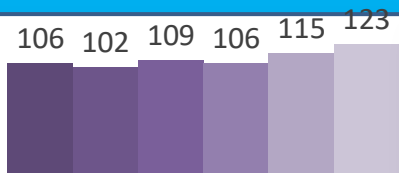
Southern Corridor



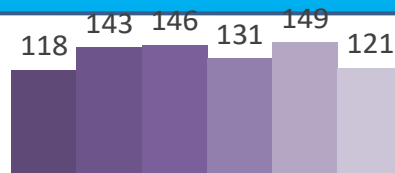
Port - Wise



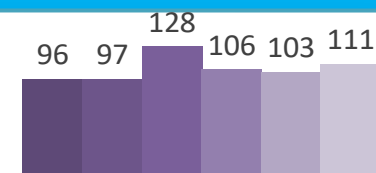
Kochi



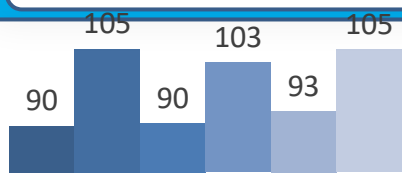
New Mangalore



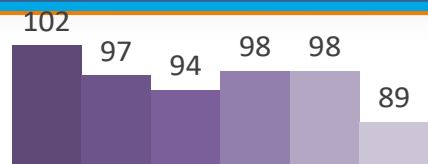
Ennore



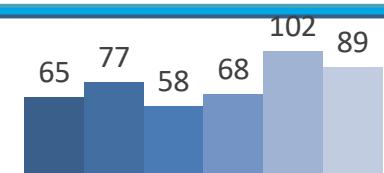
Chennai



Kattupalli



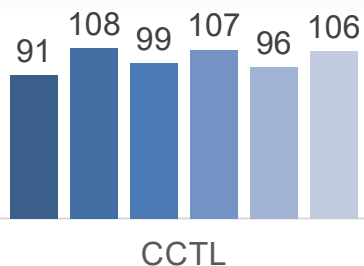
Tuticorin



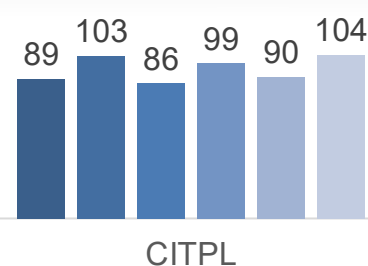
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Chennai - Terminal



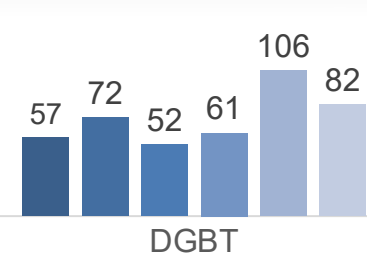
CCTL



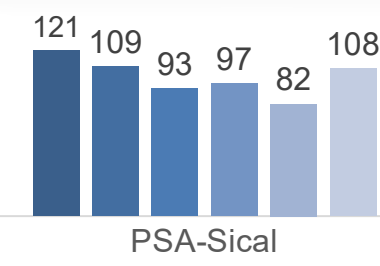
CITPL

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

Tuticorin - Terminal



DGBT



PSA-Sical

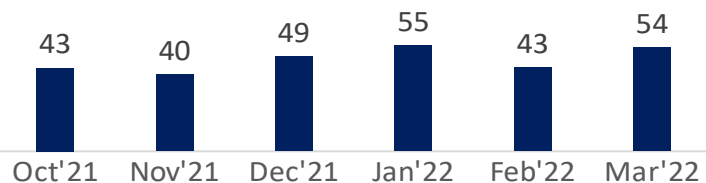
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Port Dwell Time Performance – Eastern Corridor

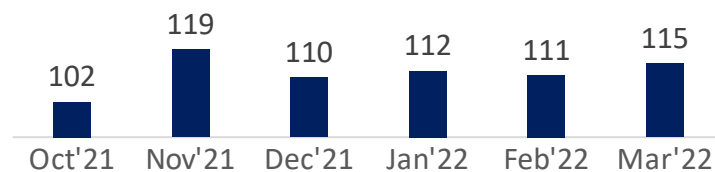
Eastern Corridor



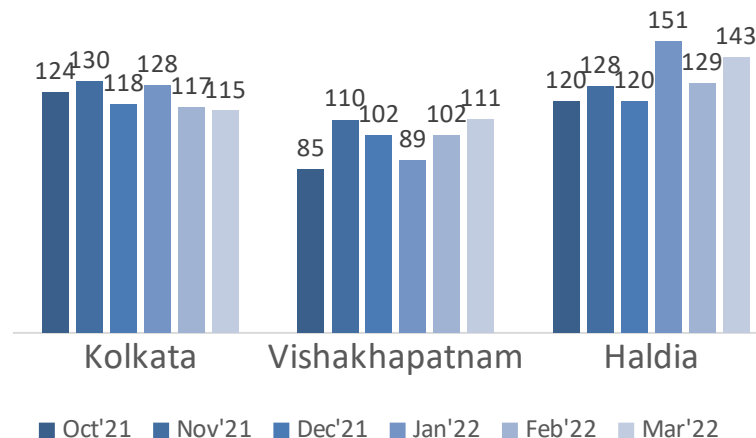
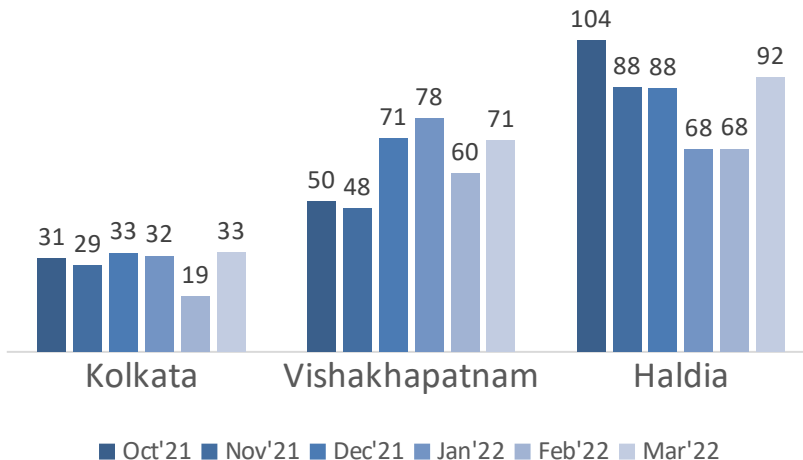
Import Cycle (in hrs)



Export Cycle (in hrs)

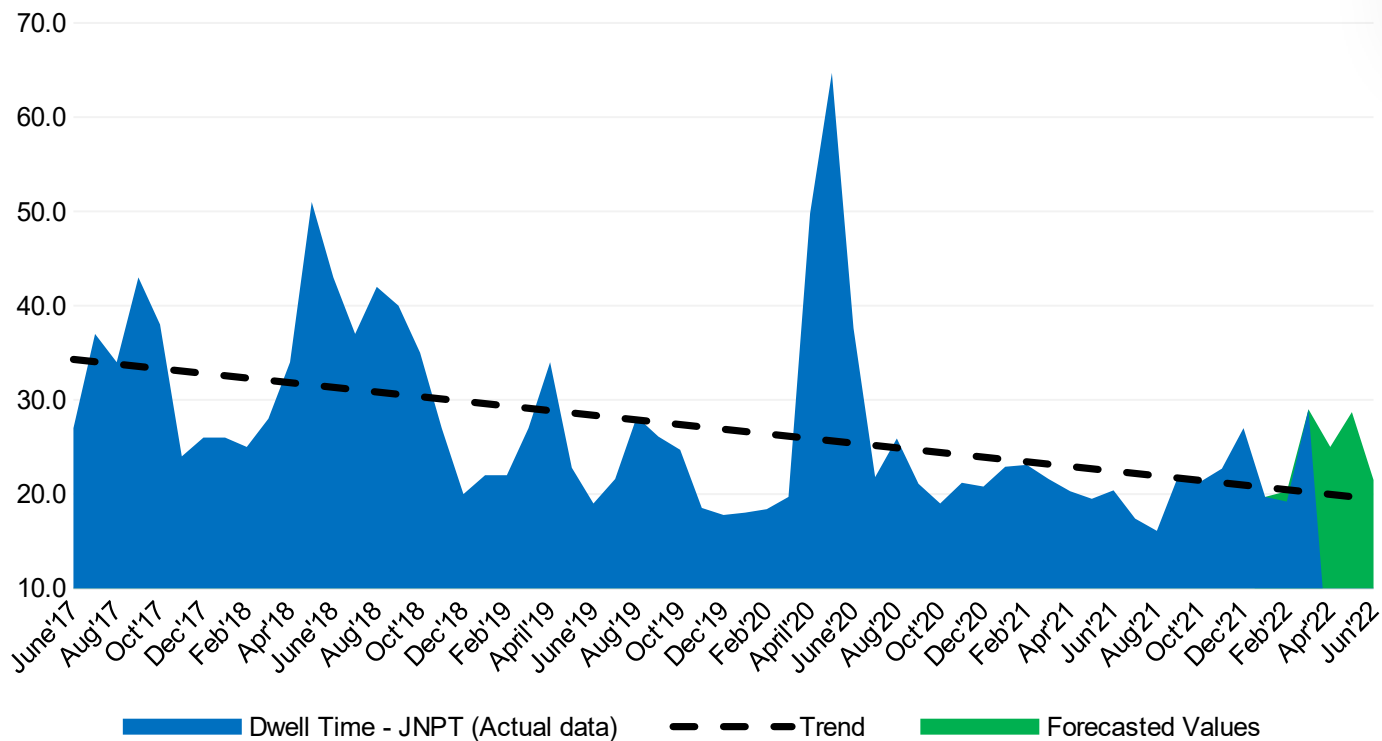


Port - Wise



Predictive Analysis : JNPT Port

JNPT Port – Import Cycle



Observation

Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data it is expected to reach a local maxima in May'22 and decrease from there on till Jun'22.



Predicted
Dwell Time (in hrs)

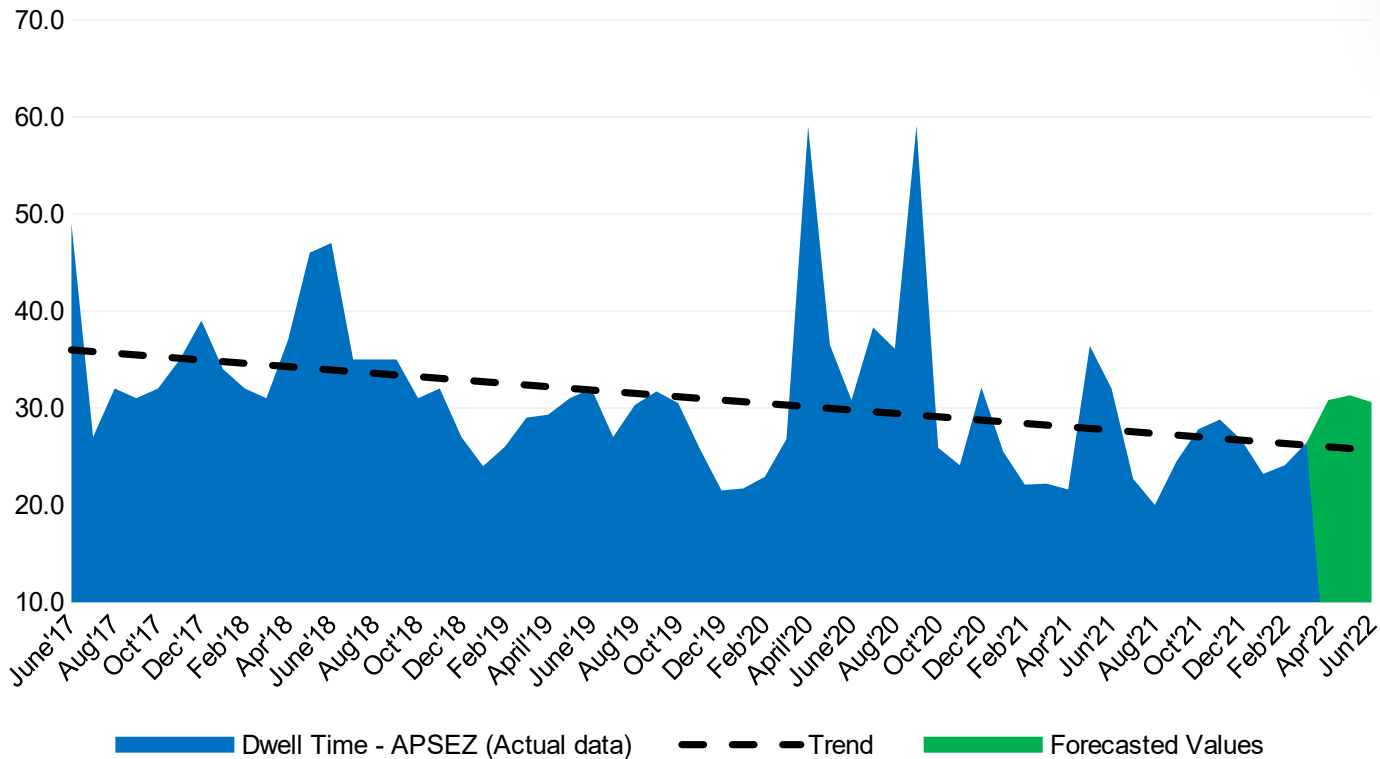
Apr'22
25.4

May'22
28.7

Jun'22
21.4

Predictive Analysis : Mundra Port

Mundra Port – Import Cycle



Observation

Import Cycle

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



Predicted
Dwell Time (in hrs)

Apr'22
30.8

May'22
31.3

Jun'22
30.5

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 24% & Export Cycle deteriorated by 0.3%.
- The container handling performance at CFS has deteriorated by 2%. Also, ICD performance has deteriorated by 2%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Mar'22	28.3 hrs 	98.1 hrs 	85.9 hrs 	120.1 hrs 
Feb'22	22.8 hrs	97.8 hrs	84.4 hrs	117.5 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 19% & in Export Cycle has deteriorated by 2%.
- The container handling performance at CFS has deteriorated by 3%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Mar'22	35.8 hrs 	100.3 hrs 	99.4 hrs 
Feb'22	44.2 hrs	98.7 hrs	96.9 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 24% and Export Cycle has deteriorated by 3%.
- The container handling performance at CFS has deteriorated by 0.2%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Mar'22	53.6 hrs 	114.6 hrs 	124.4 hrs 
Feb'22	43.4 hrs	110.8 hrs	124.2 hrs



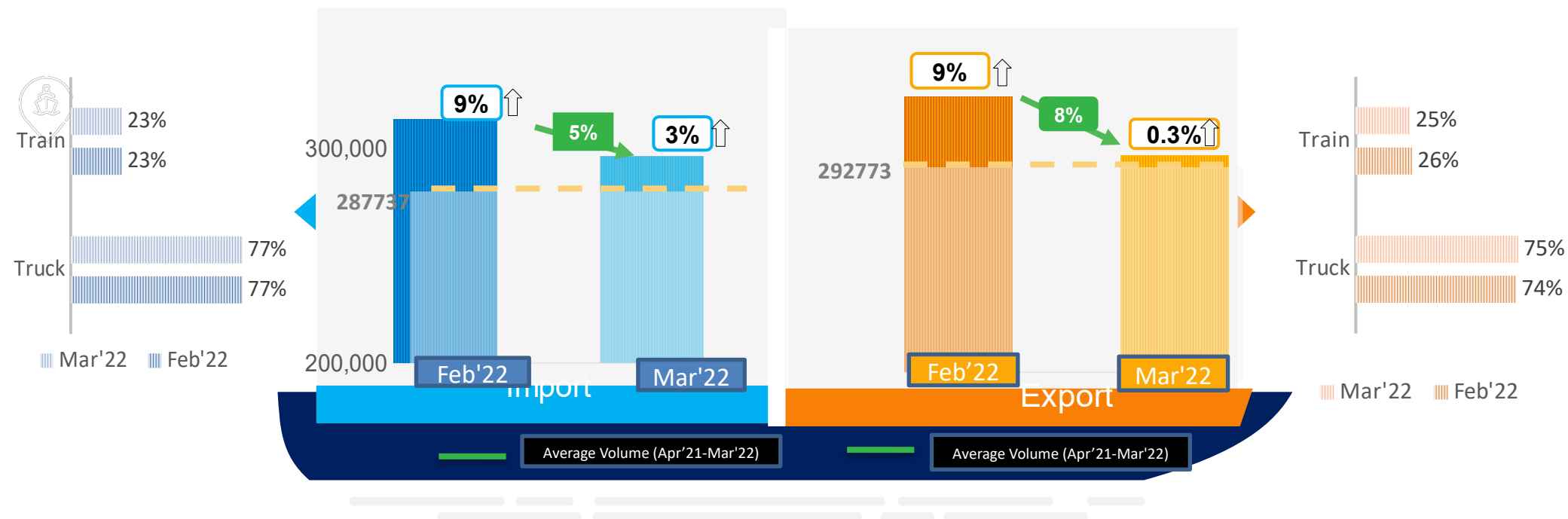
COVID – 19 Impact

Covid-19 Impact – Western Corridor

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

W

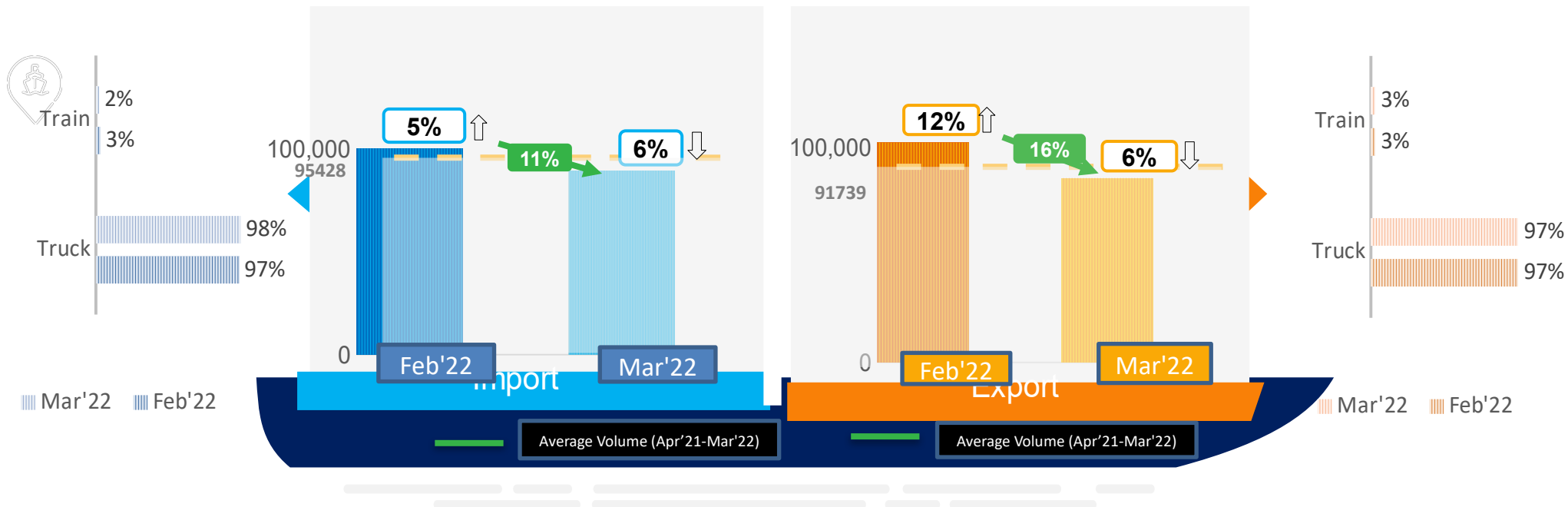
Western Corridor



Covid-19 Impact – Southern Corridor

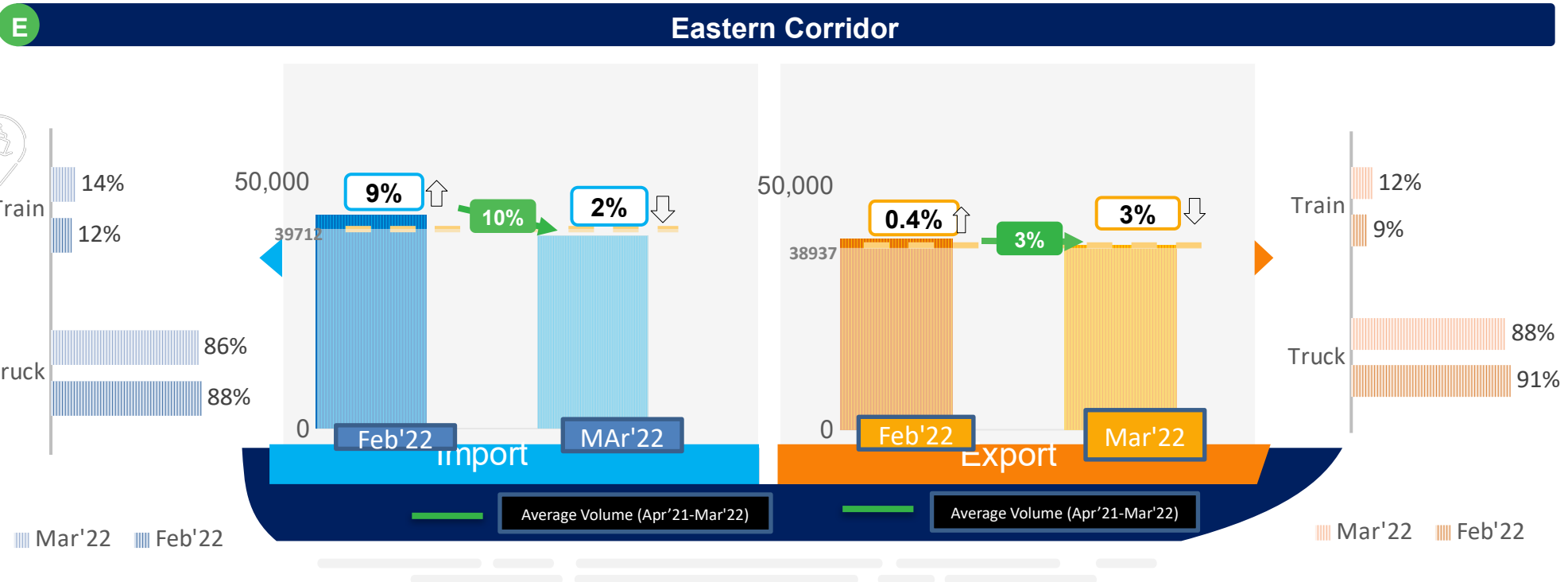
Below graphs depicts the change in volume percentage during the month of Mar'22 w.r.t the last month i.e., Feb'22 and the average EXIM corridor wise volume.

S Southern Corridor



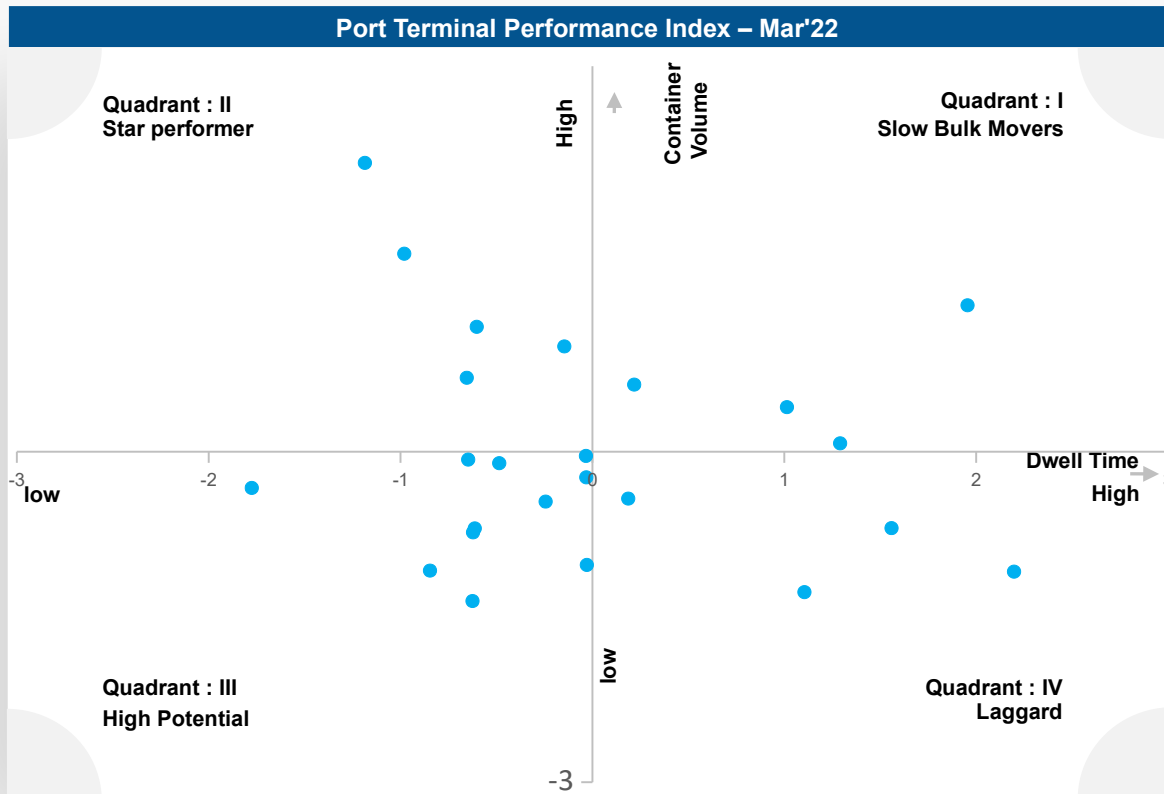
Covid-19 Impact – Eastern Corridor

Below graphs depicts the change in volume percentage during the month of Mar'22 w.r.t the last month i.e., Feb'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 Mar'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Feb'22	Mar'22
45.9 Hrs	49.2 Hrs. 
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Feb'22	Mar'22
100.9 Hrs	109.3 Hrs 

Note: The performance benchmarking is based on performance index

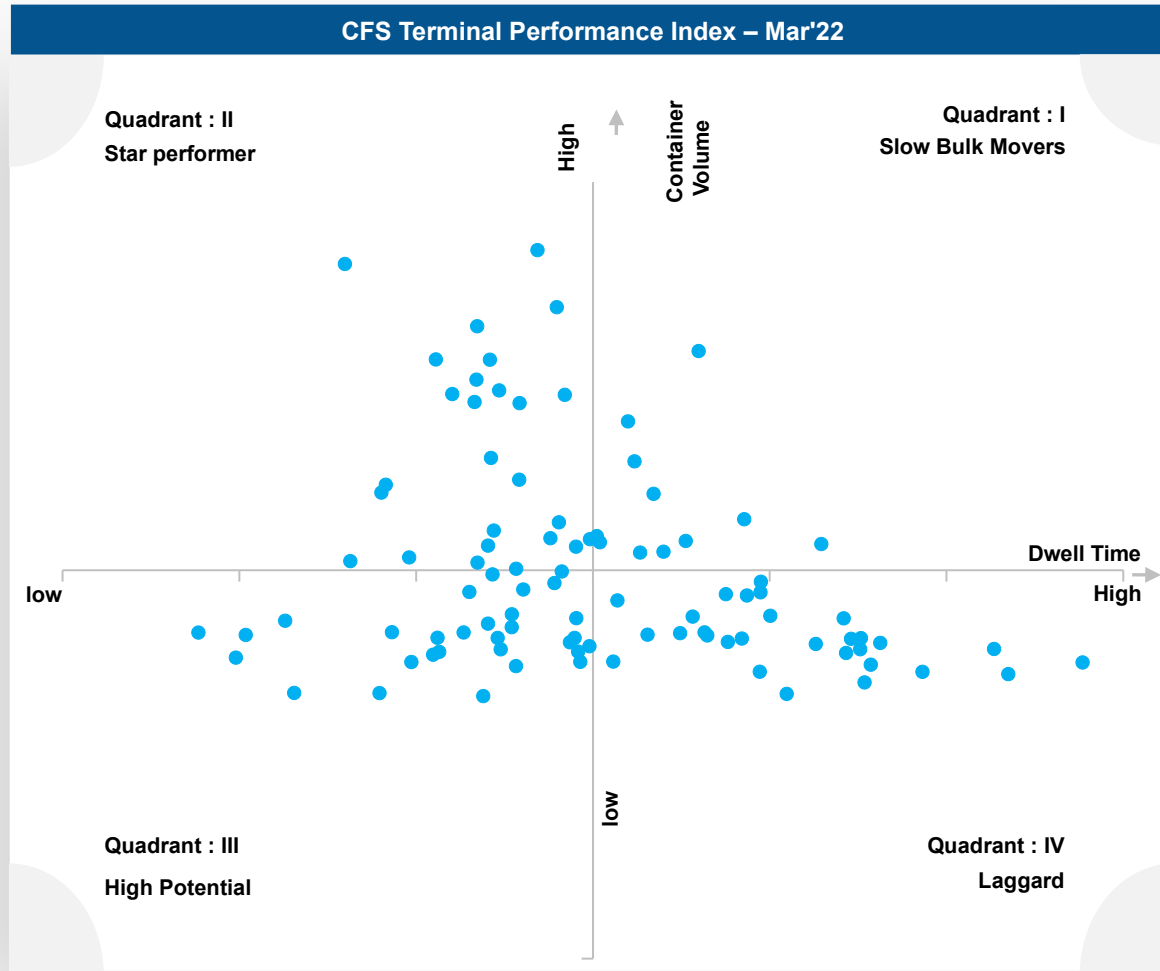
  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'22

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 Mar'22

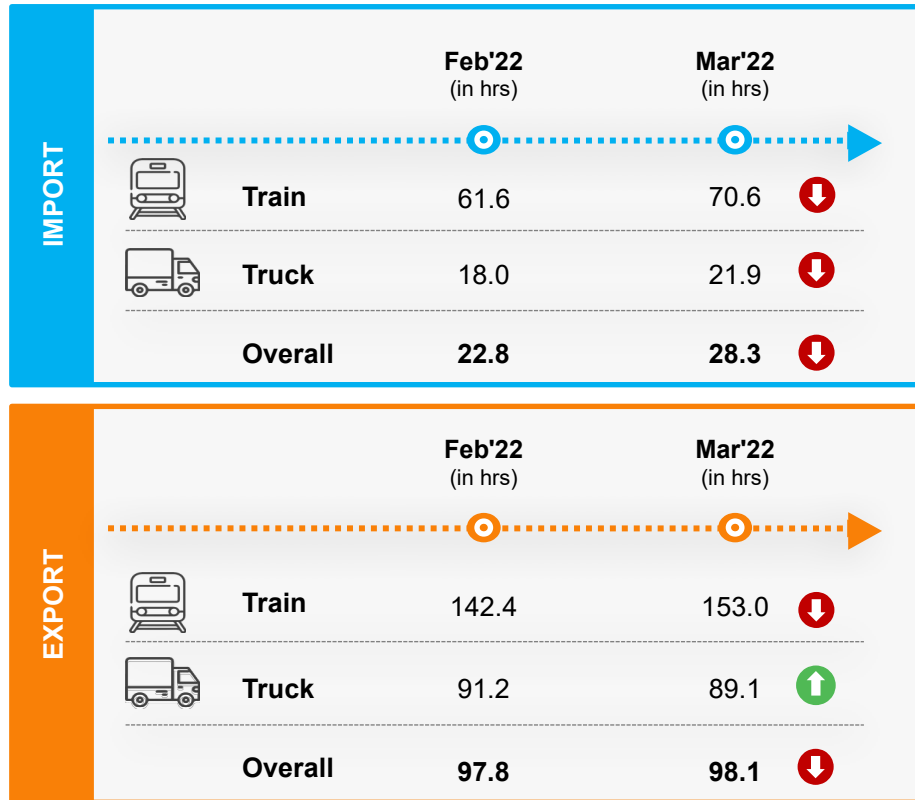
Top Three Performing CFSs			
CFS Name	Feb'22	Mar'22	
Adani CFS Eximyard, Mundra	67.2 hrs	64.6 hrs	↑
Gateway Distriparks CFS, Navi Mumbai	87.0 hrs	90.5 hrs	↓
Saurashtra CFS, Mundra	83.1 hrs	93.1 hrs	↓
Bottom Three Performing CFSs			
CFS Name	Feb'22	Mar'22	
A L Logistics CFS	130.4 hrs	163.8 hrs	↓
CWC CFS, Kolkata	90.8 hrs	153.8 hrs	↓
VPL Integrals CFS	150.5 hrs	151.9 hrs	↓

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

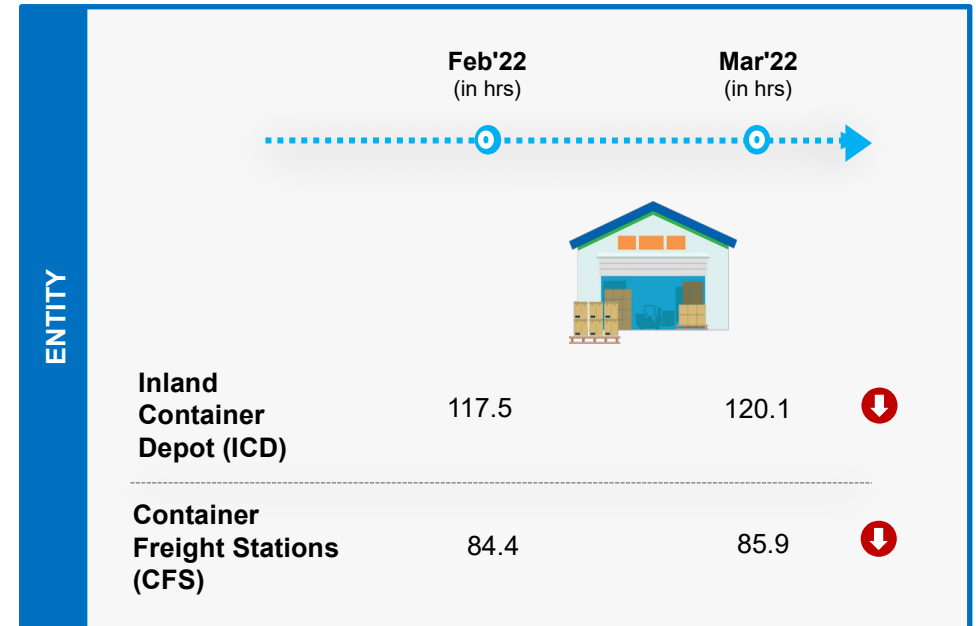
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Container Transportation Performance - Western Corridor

Port Dwell Time



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



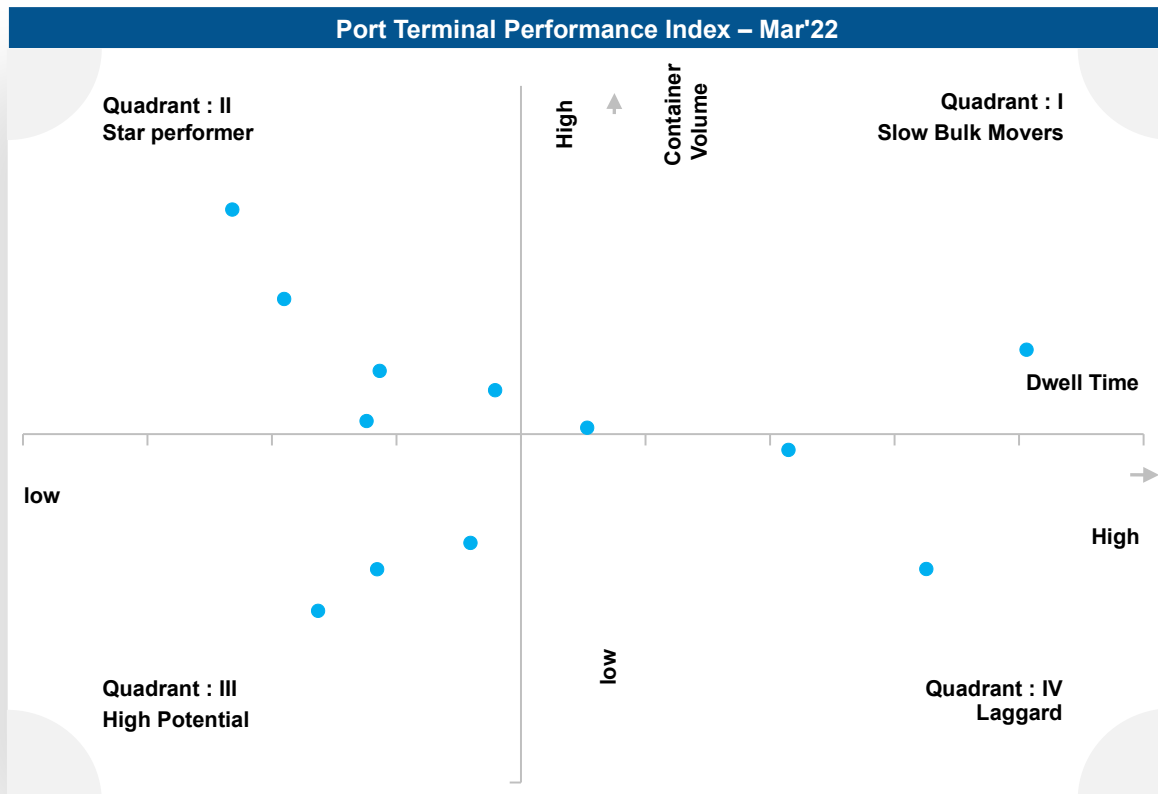
The marked entries showcase increase in performance in comparison to Feb'22



The marked entries showcase decrease in performance in comparison to Feb'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 Mar'22

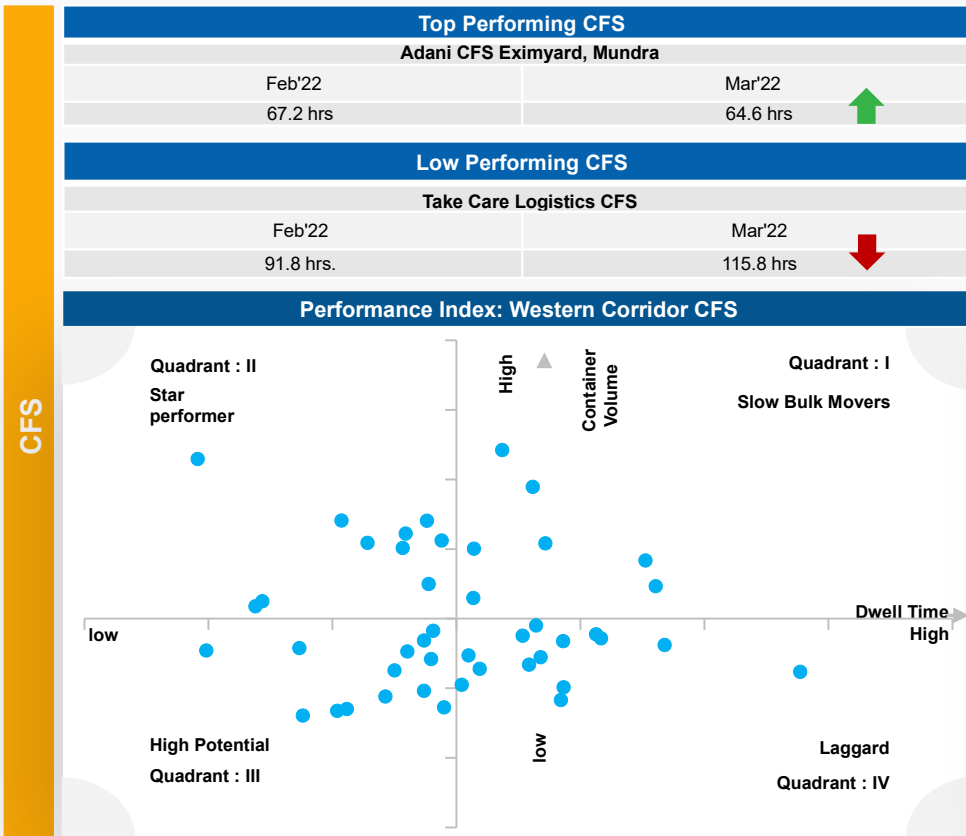
Top Performing Terminal		
Gateway Terminals India (GTI)		
Feb'22	Mar'22	
45.9 Hrs	49.2 Hrs.	
Low Performing Terminal		
Kandla International Container Terminal (KICT)		
Feb'22	Mar'22	
88.3 Hrs	97.9 Hrs.	

Note: The performance benchmarking is based on performance index

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

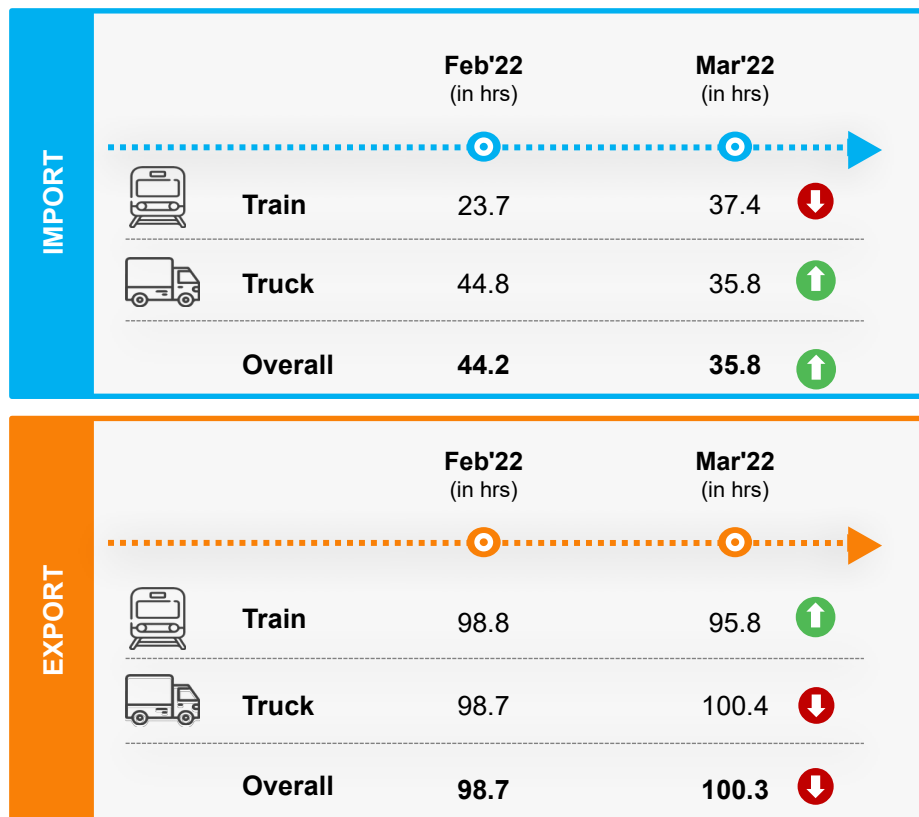


The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'22

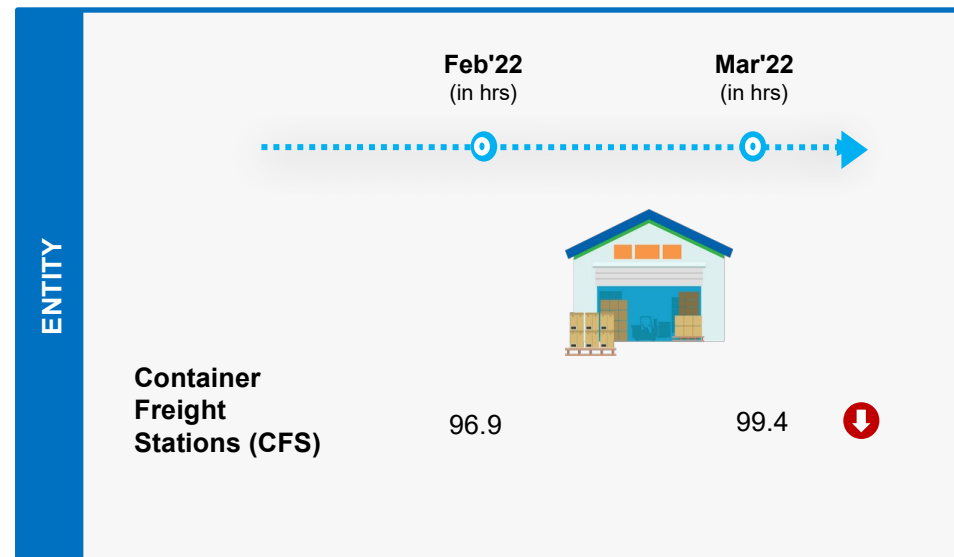
Kindly refer to Annexure section for the names of CFS

Container Transportation Performance - Southern Corridor

Port Dwell Time



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



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

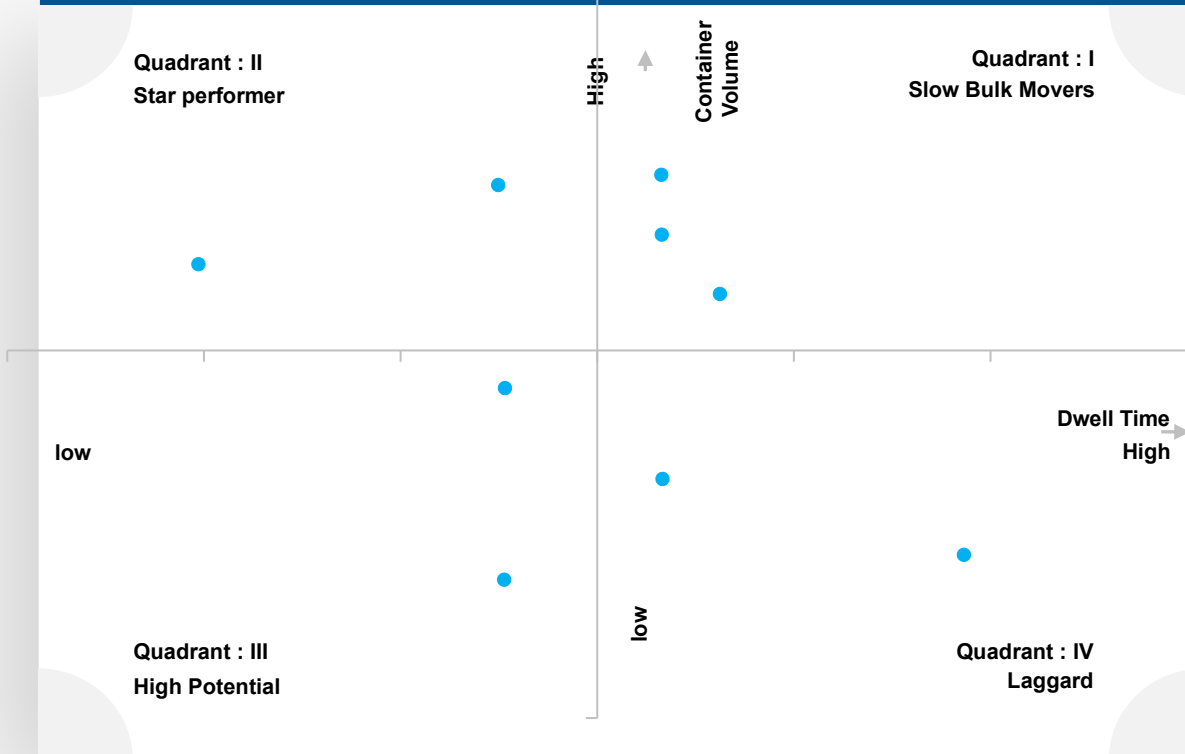


The marked entries showcase decrease in performance in comparison to Feb'22

Performance Benchmarking – Port Terminals

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

Southern Corridor Port Terminal Performance Index – Mar'22



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

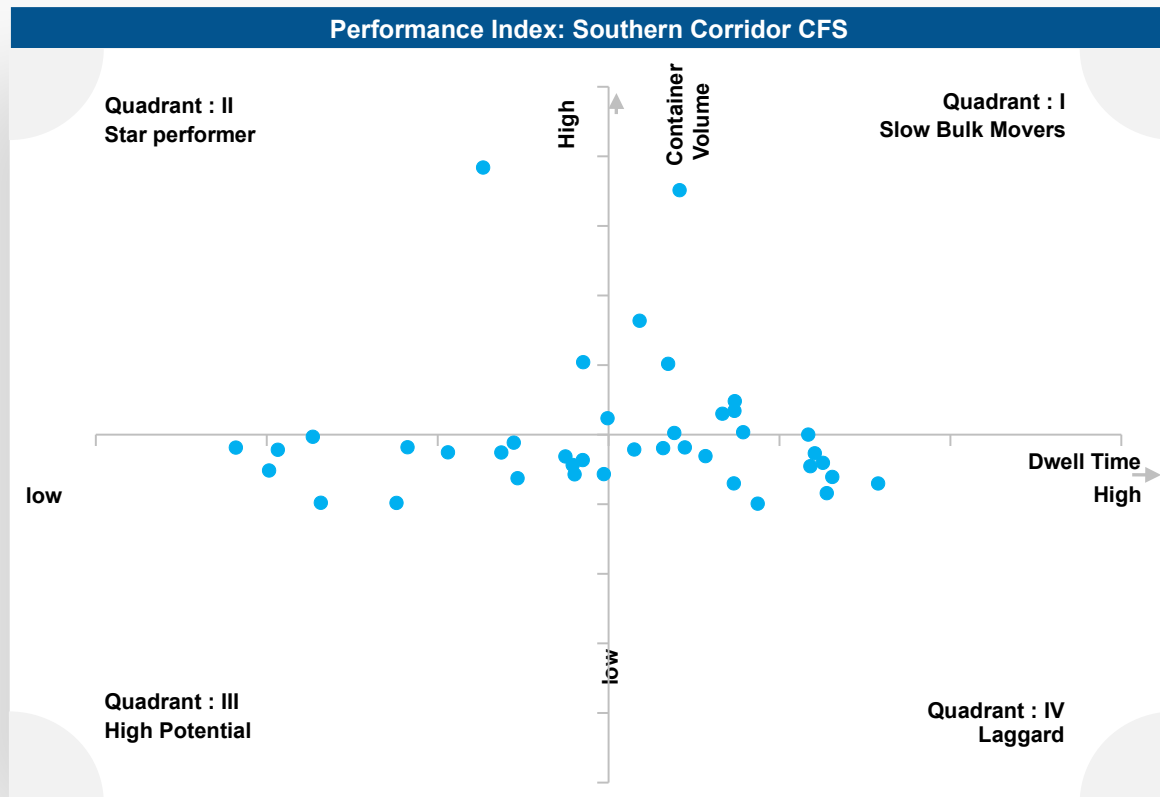
Top Performing Terminal	
Dakshin Bharat Gateway Terminal (DGBT)	
Feb'22	Mar'22
41.3 hrs	38.8 hrs
↑	
Low Performing Terminal	
New Mangalore Port Trust	
Feb'22	Mar'22
98.3 hrs	89.9 hrs
↑	

Note: The performance benchmarking is based on performance index

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

Top Performing Terminal	
Sical CFS, Chennai Tiruvallur Tamil Nadu	
Feb'22	Mar'22
83.7 hrs	82.4 hrs
Low Performing Terminal	
Kerry Indev Logistics Private Limited/Continental Container Freight Station	
Feb'22	Mar'22
134.2 hrs	142.3 hrs

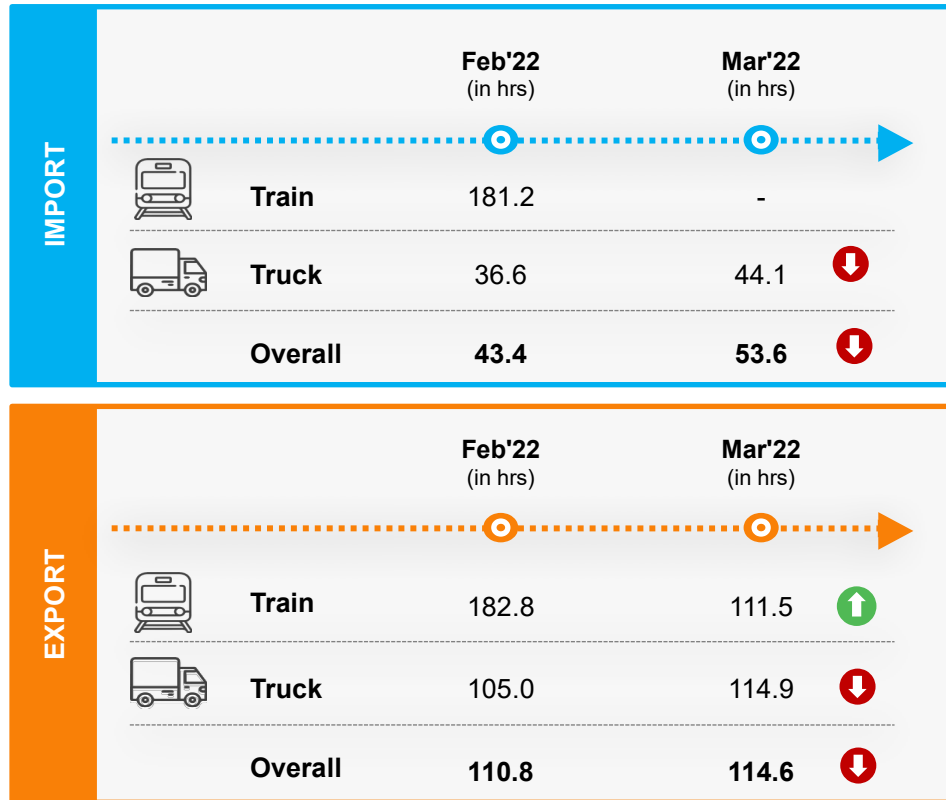
Note: The performance benchmarking is based on performance index

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

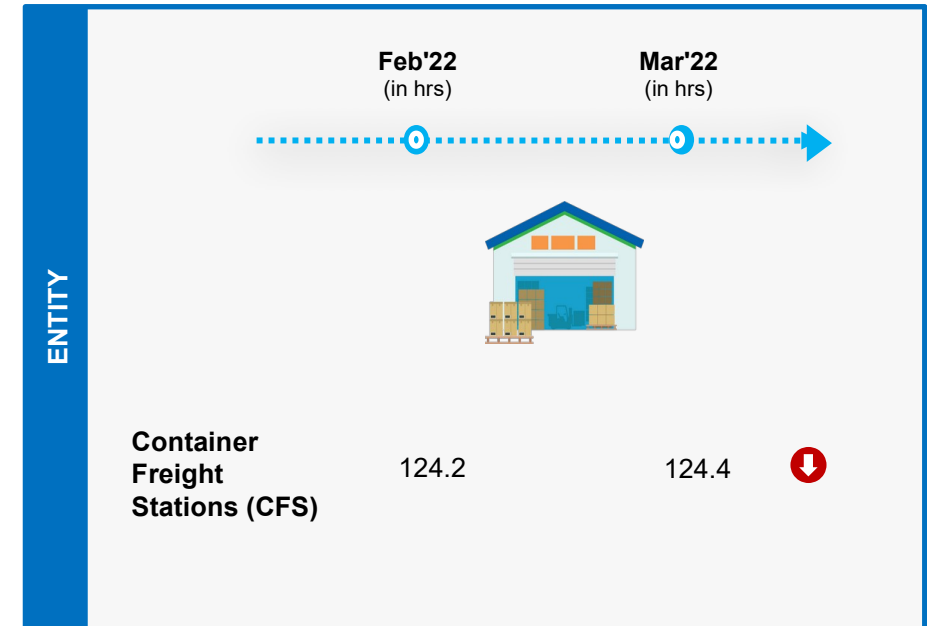
Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular 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

Container Transportation Performance - Eastern Corridor

Port Dwell Time



Container Freight Stations(CFS)– Dwell Time



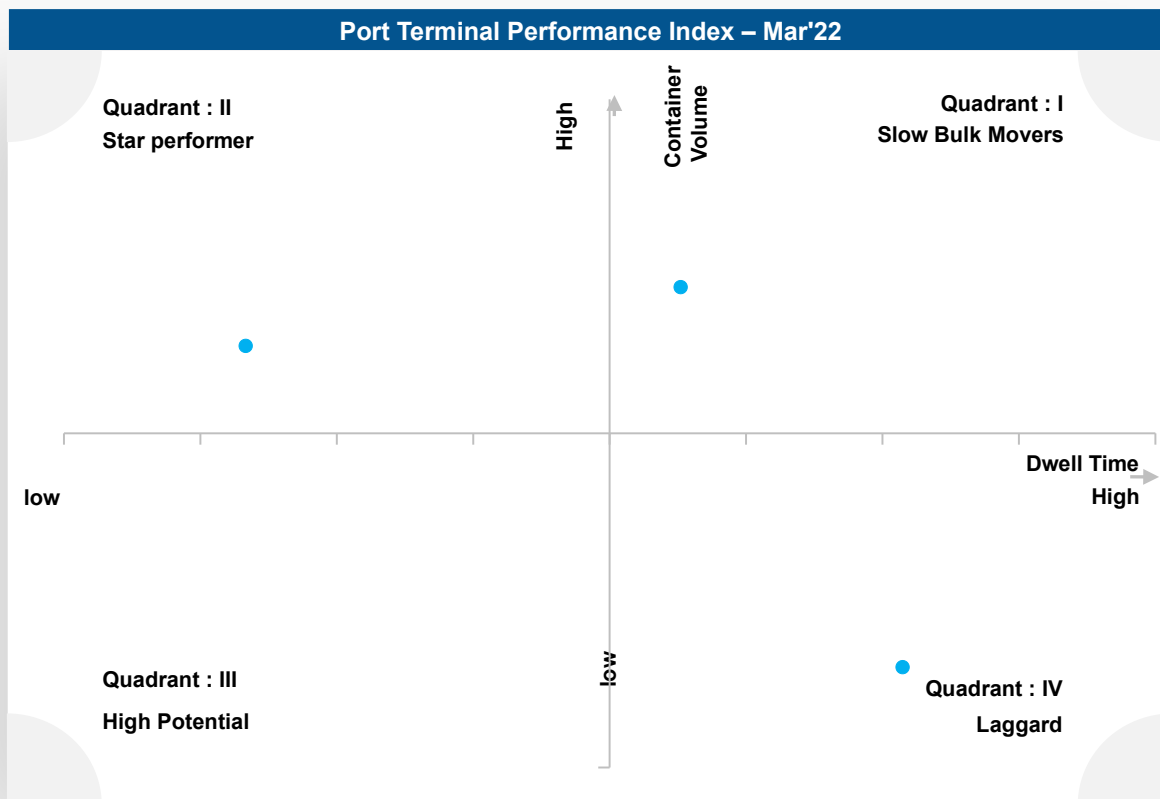
The marked entries showcase increase in performance in comparison to Feb'22



The marked entries showcase decrease in performance in comparison to Feb'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 Mar'22

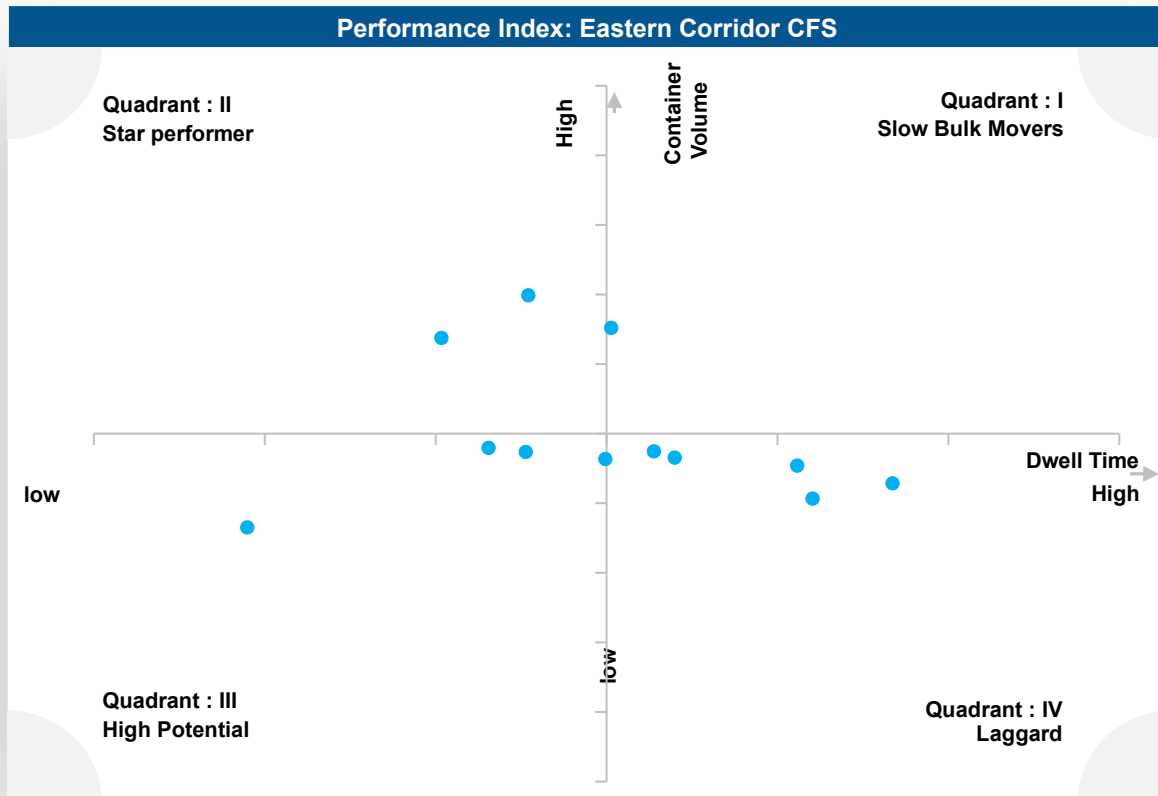
Top Performing Terminal	
Kolkata Dock System (KDS)	
Feb'22	Mar'22
56.2 hrs	61.7 hrs
	↓
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Feb'22	Mar'22
100.9 hrs	109.3 hrs
	↓

Note: The performance benchmarking is based on performance index

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

Top Performing Terminal	
Century Plyboards CFS, JJP	
Feb'22	Mar'22
118.2 hrs	118.3 hrs
Low Performing Terminal	
A L Logistics CFS	
Feb'22	Mar'22
130.4 hrs	163.8 hrs

Note: The performance benchmarking is based on performance index

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



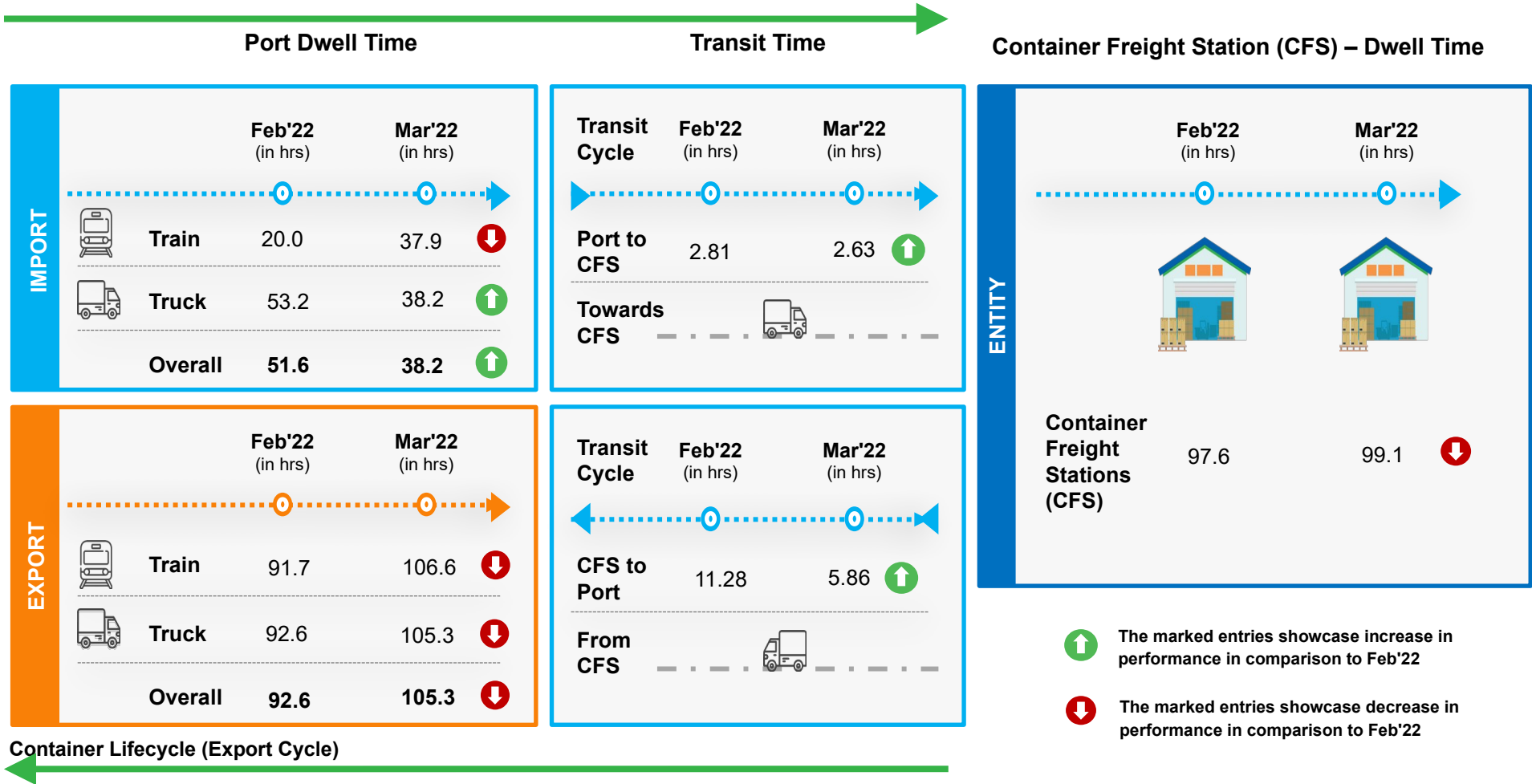


Individual Terminal Performance In

Southern Corridor

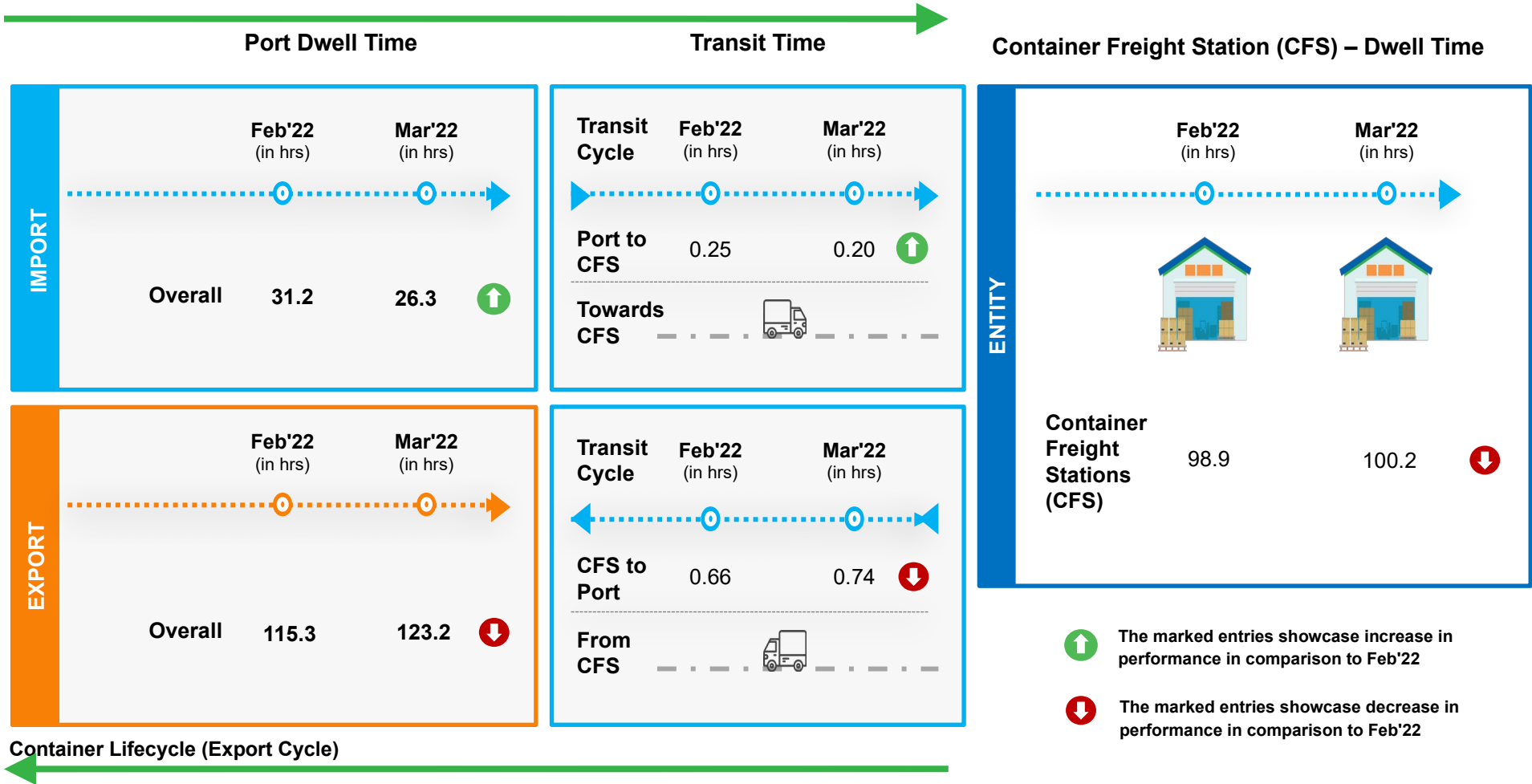
Chennai Port Terminals: Container Transportation

Container Lifecycle (Import Cycle)



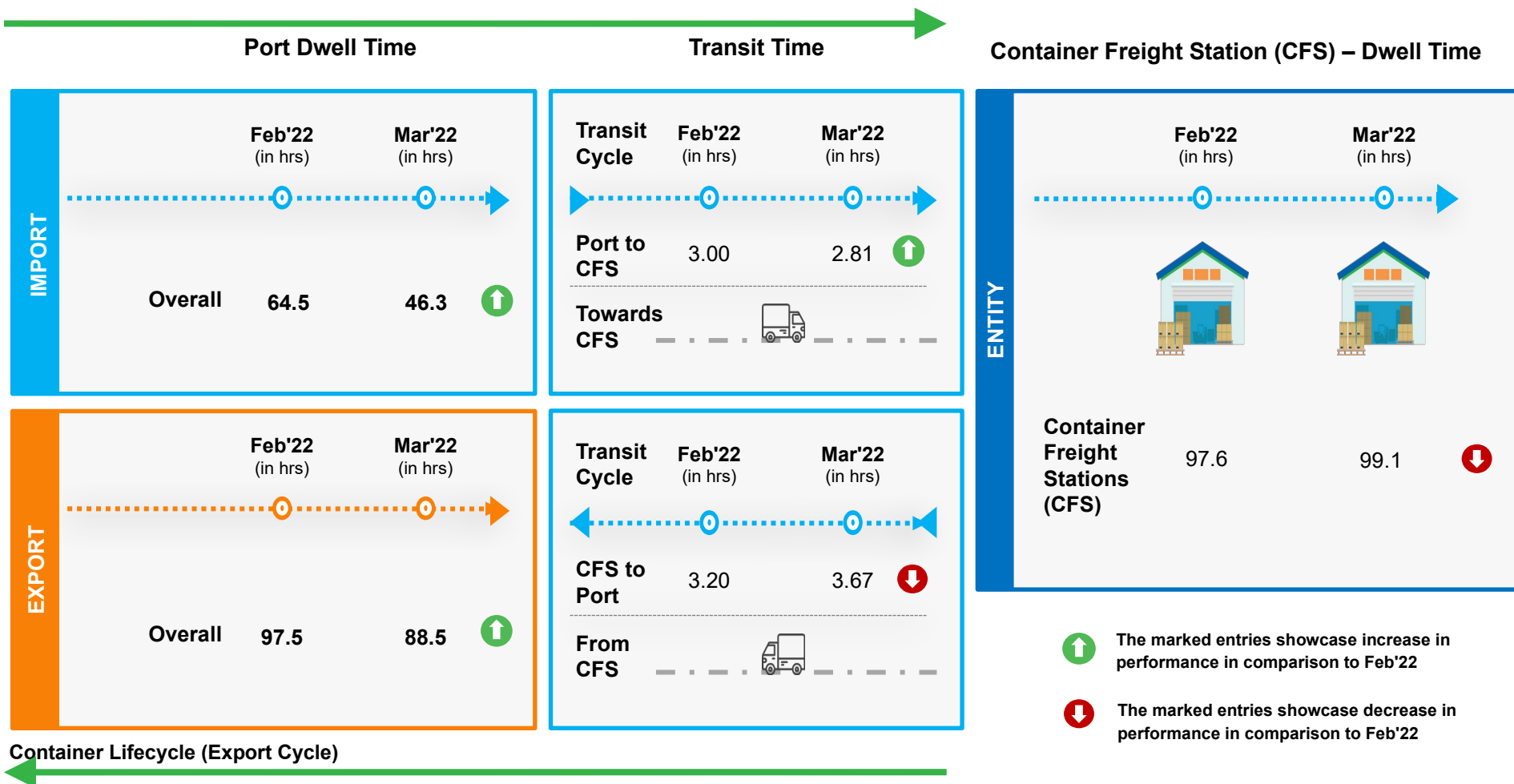
Kochi Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



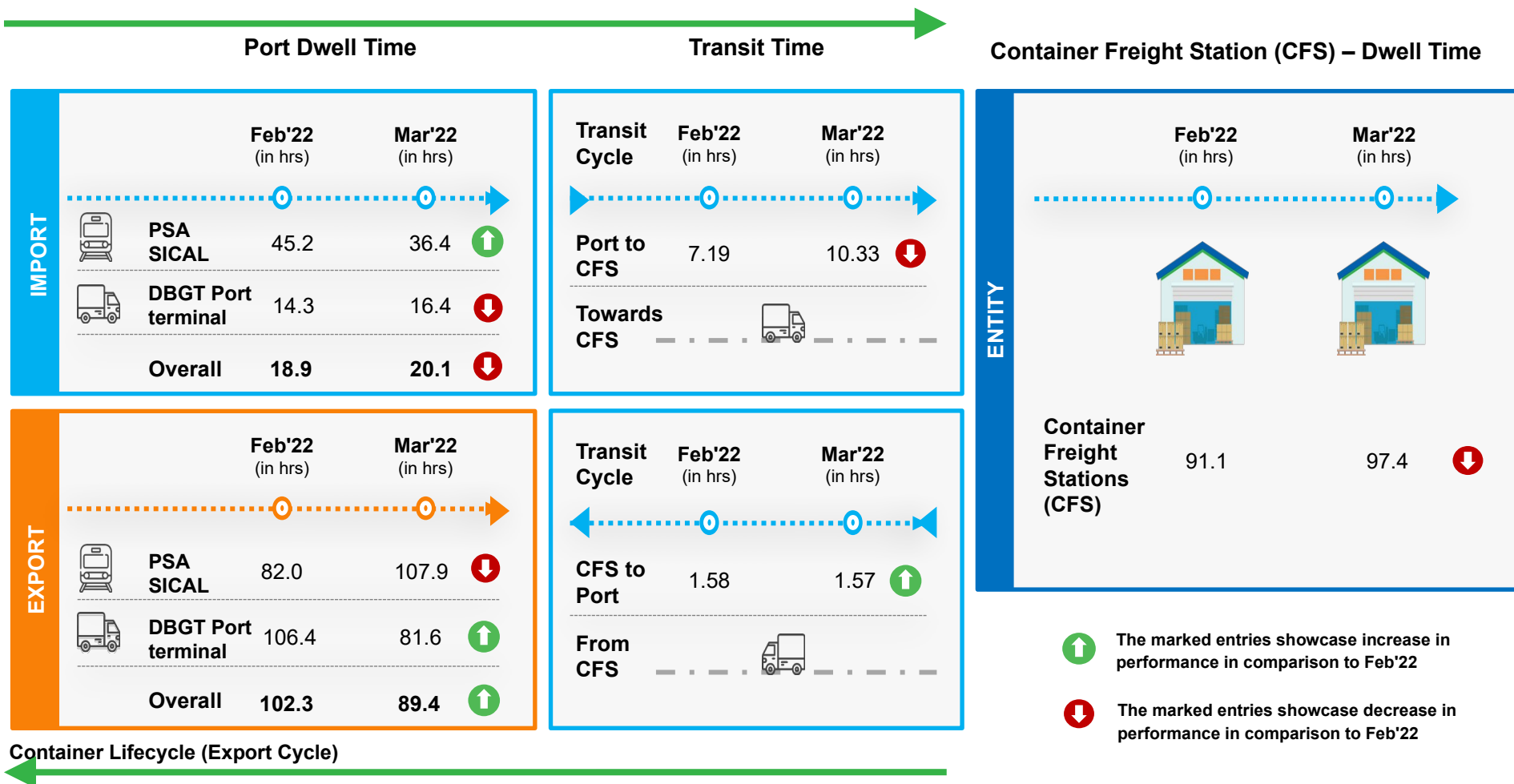
Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



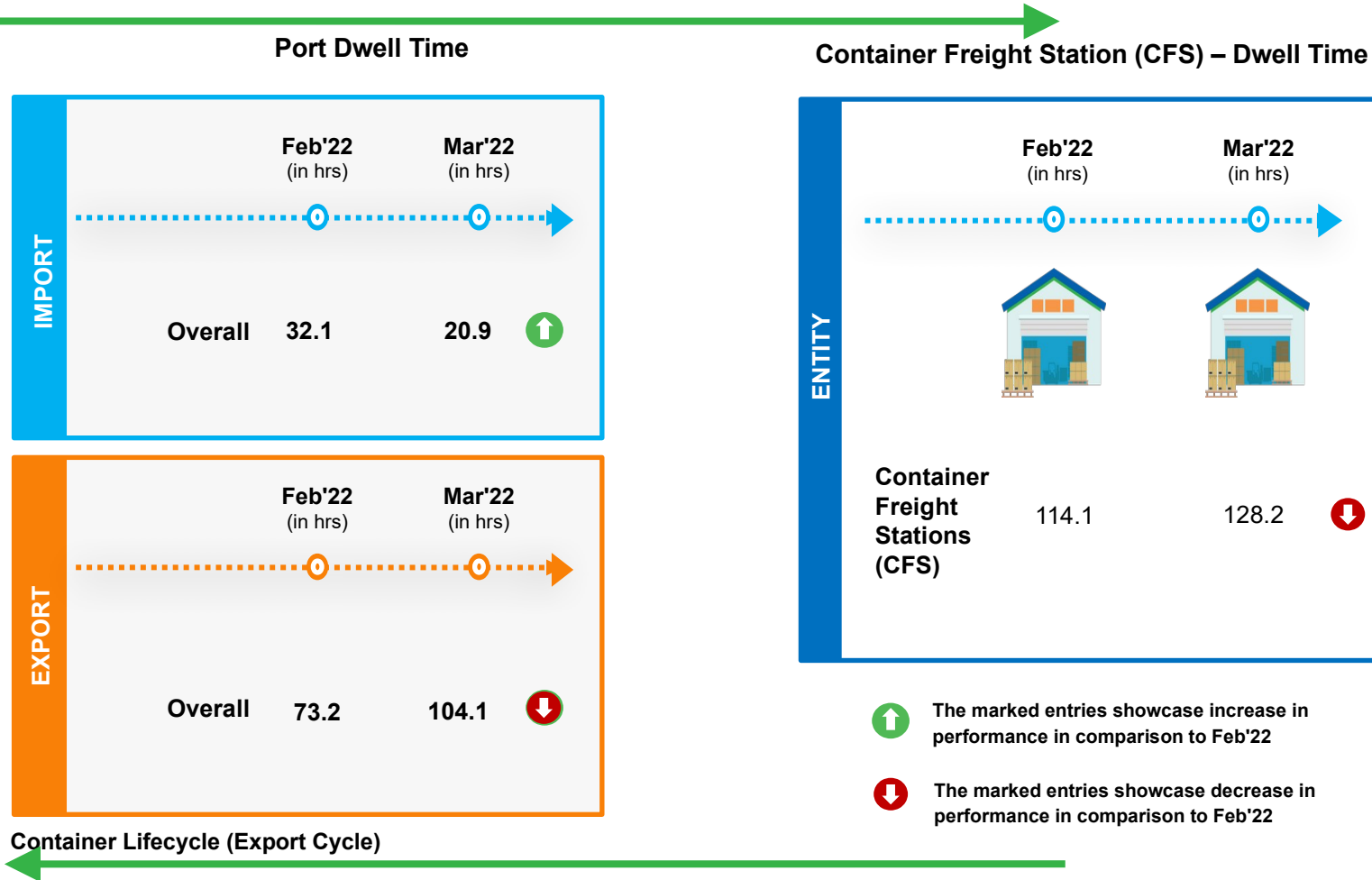
Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT		Feb'22 (in hrs)	Mar'22 (in hrs)	
				
	Train	39.7	38.1	↑
				
	Truck	52.1	45.5	↑
	Overall	51.7	45.3	↑

EXPORT		Feb'22 (in hrs)	Mar'22 (in hrs)	
				
	Train	104.3	84.7	↑
				
	Truck	102.7	112.8	↓
	Overall	102.8	110.8	↓

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

ENTITY		Feb'22 (in hrs)	Mar'22 (in hrs)	
				
	Container Freight Stations (CFS)	97.6	99.1	↓

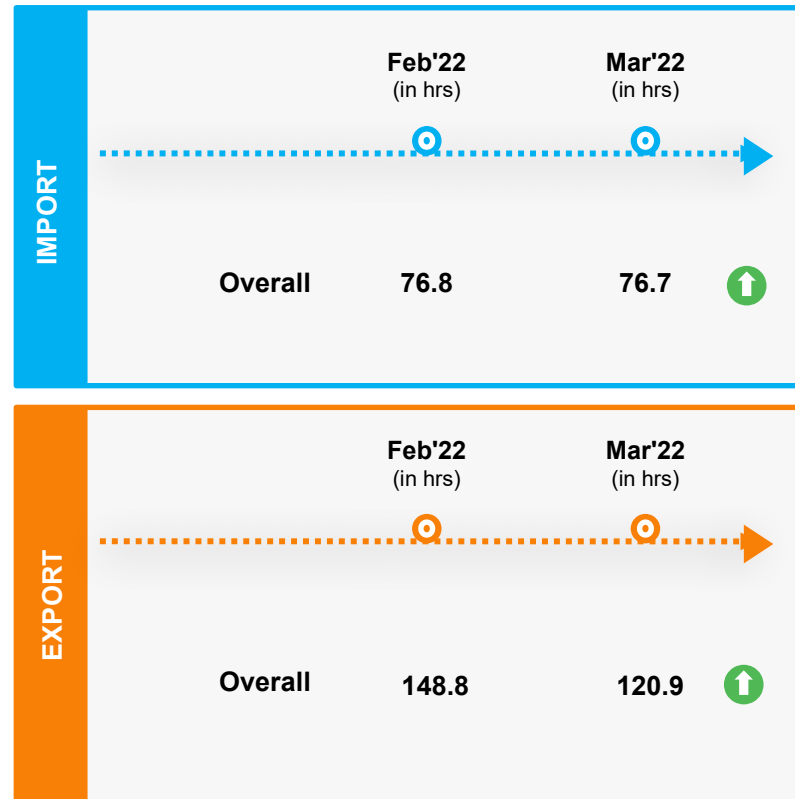


The marked entries showcase increase in performance in comparison to Feb'22



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

Port Dwell Time



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

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



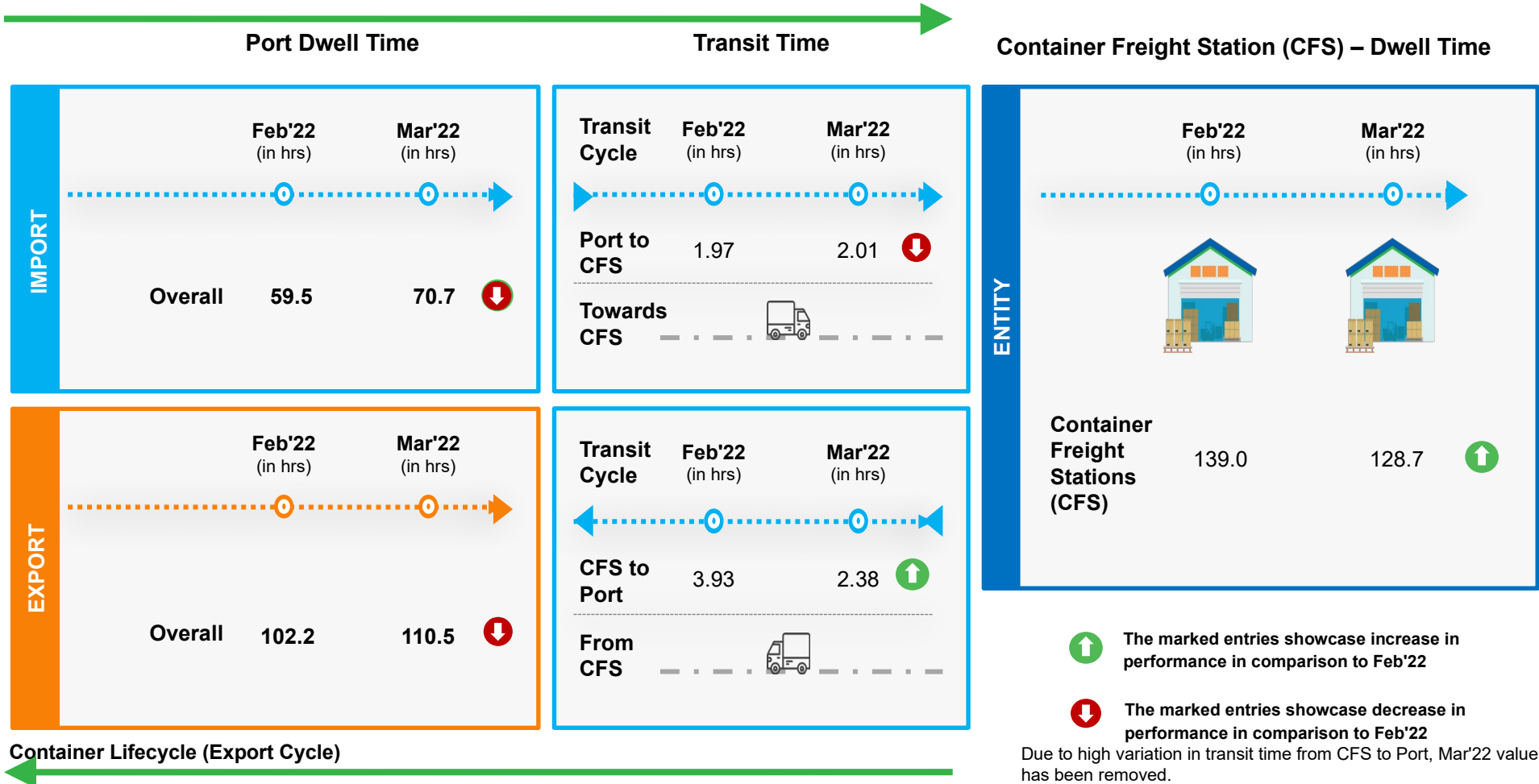
The background image shows a large container ship, the AGAMEMNON, docked at a port. The ship is blue and white, with the name 'AGAMEMNON' and 'MONROVIA' visible on its side. It is surrounded by numerous yellow container cranes and stacks of colorful shipping containers. The sky is overcast, and the water is calm.

Individual Terminal Performance In Eastern Corridor



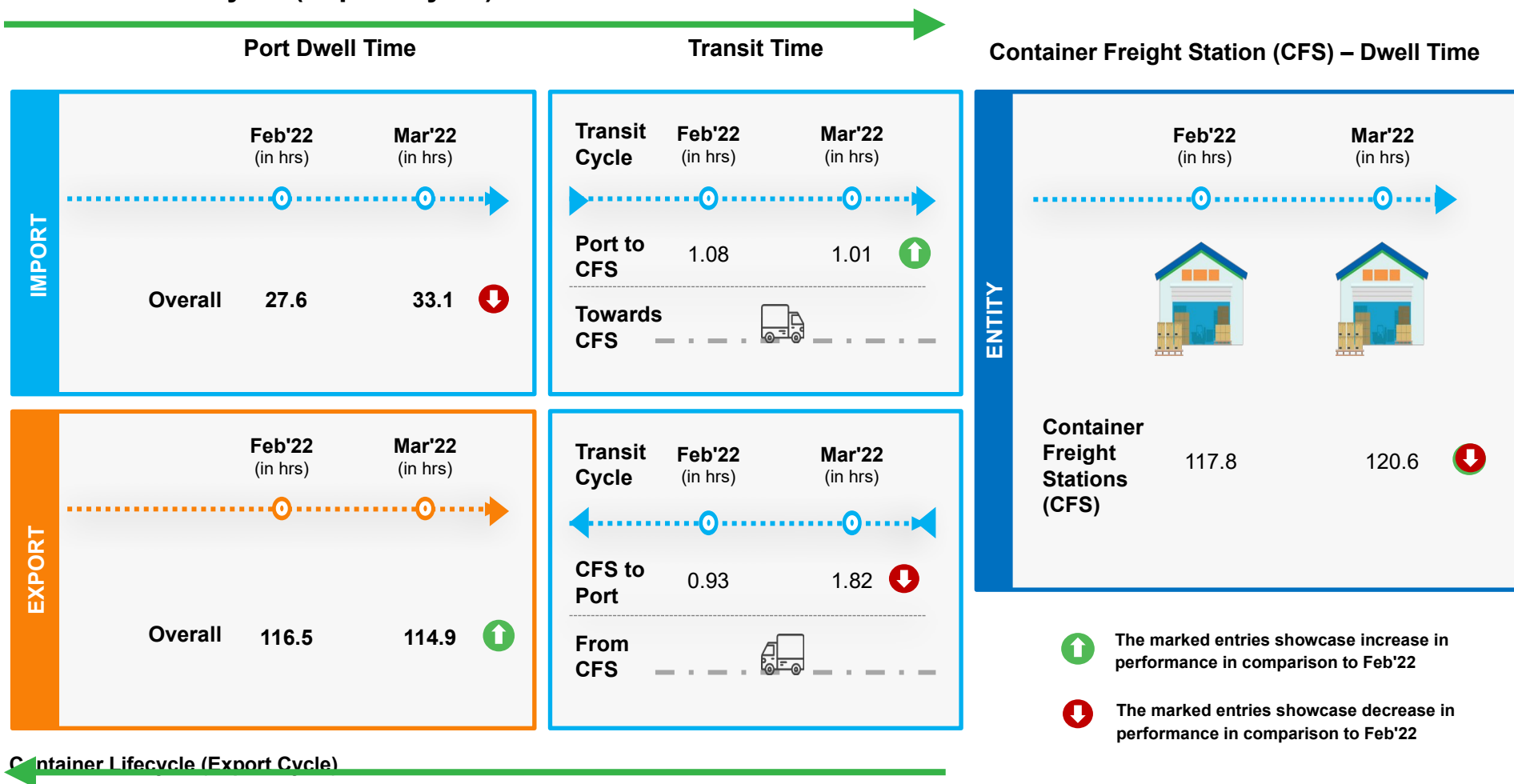
Vishakhapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



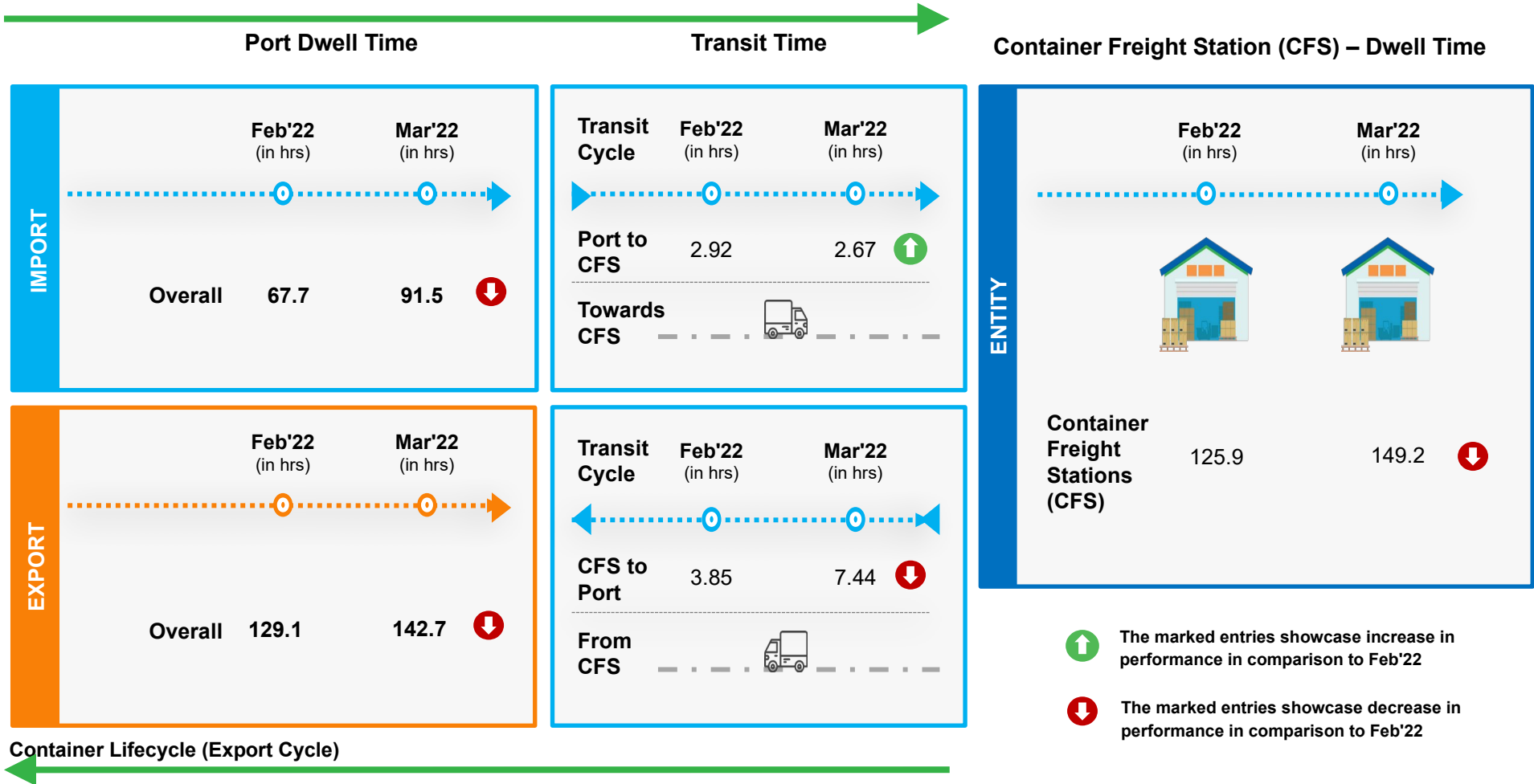
Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



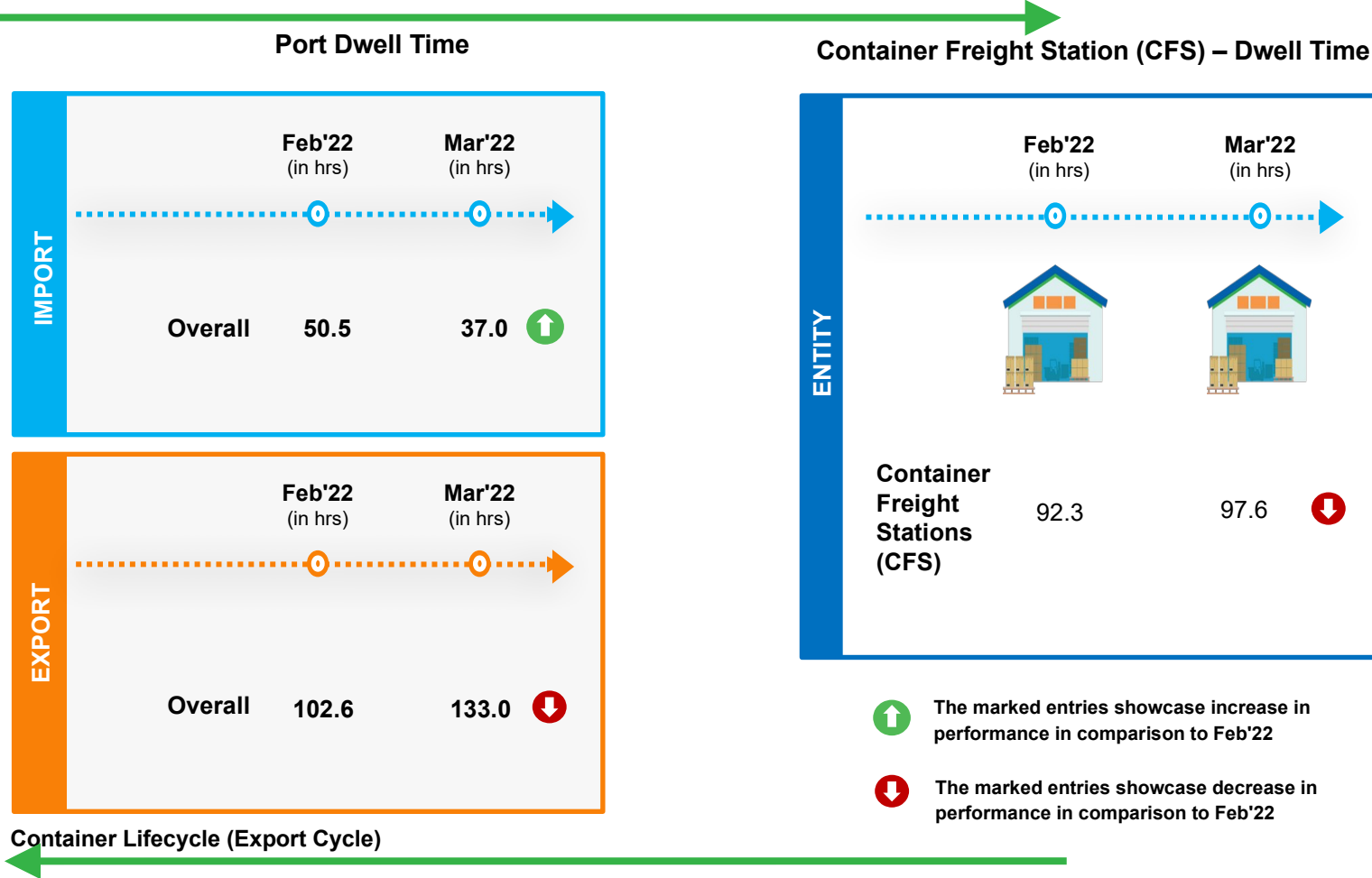


Individual Terminal Performance In Western Corridor

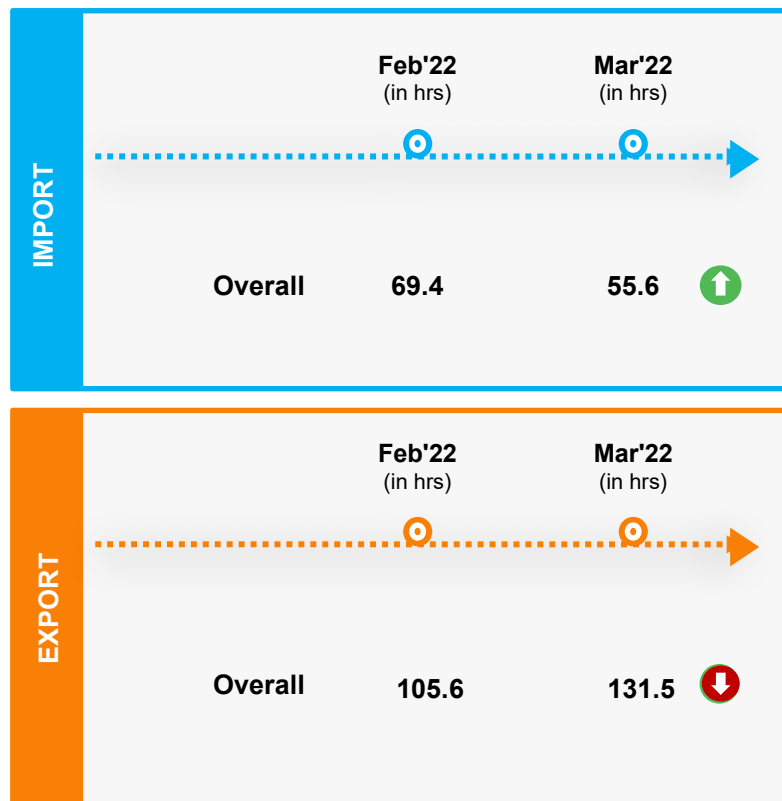


Pipavav Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Port Dwell Time

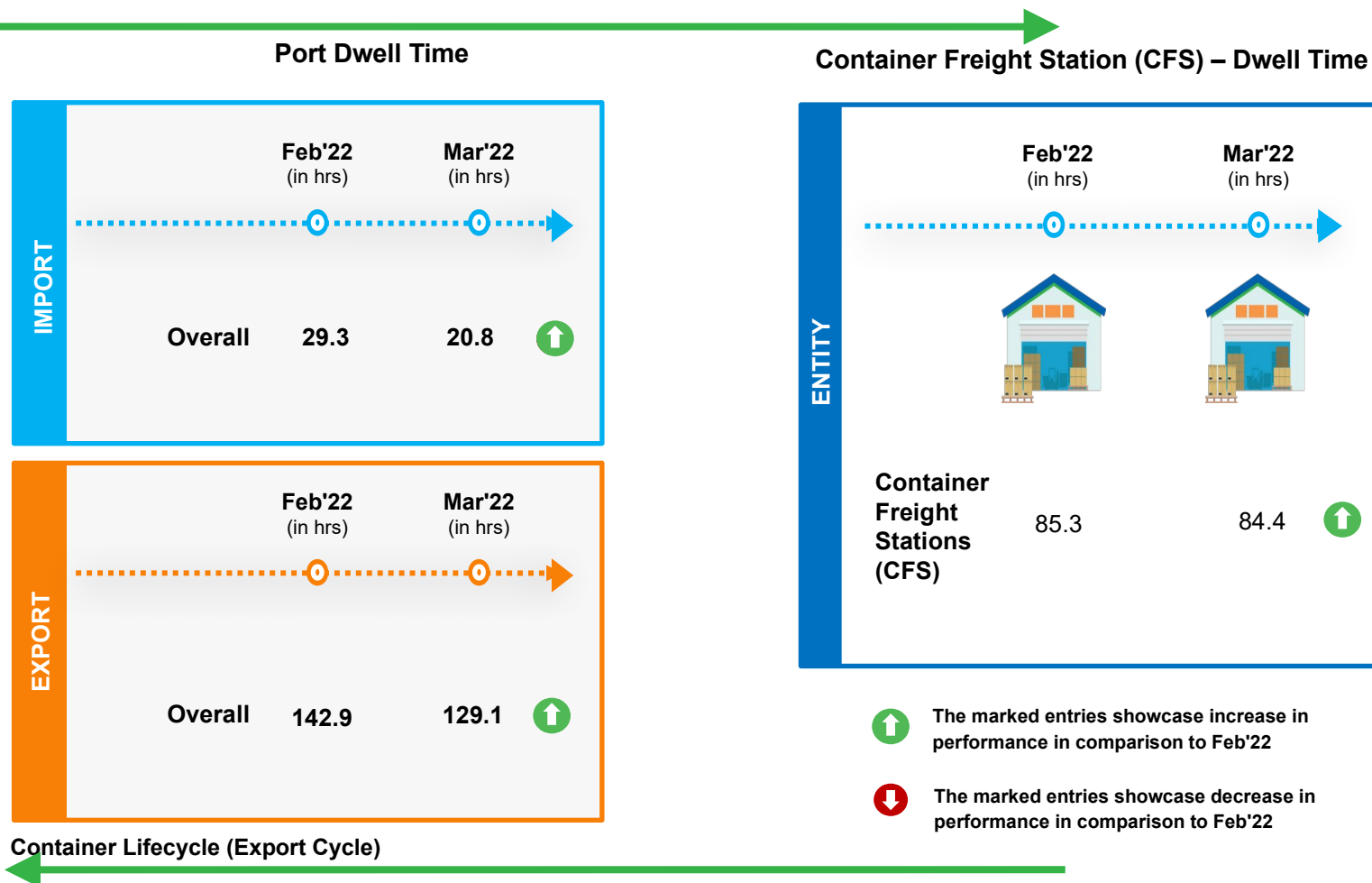


↑ The marked entries showcase increase in performance in comparison to Feb'22

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

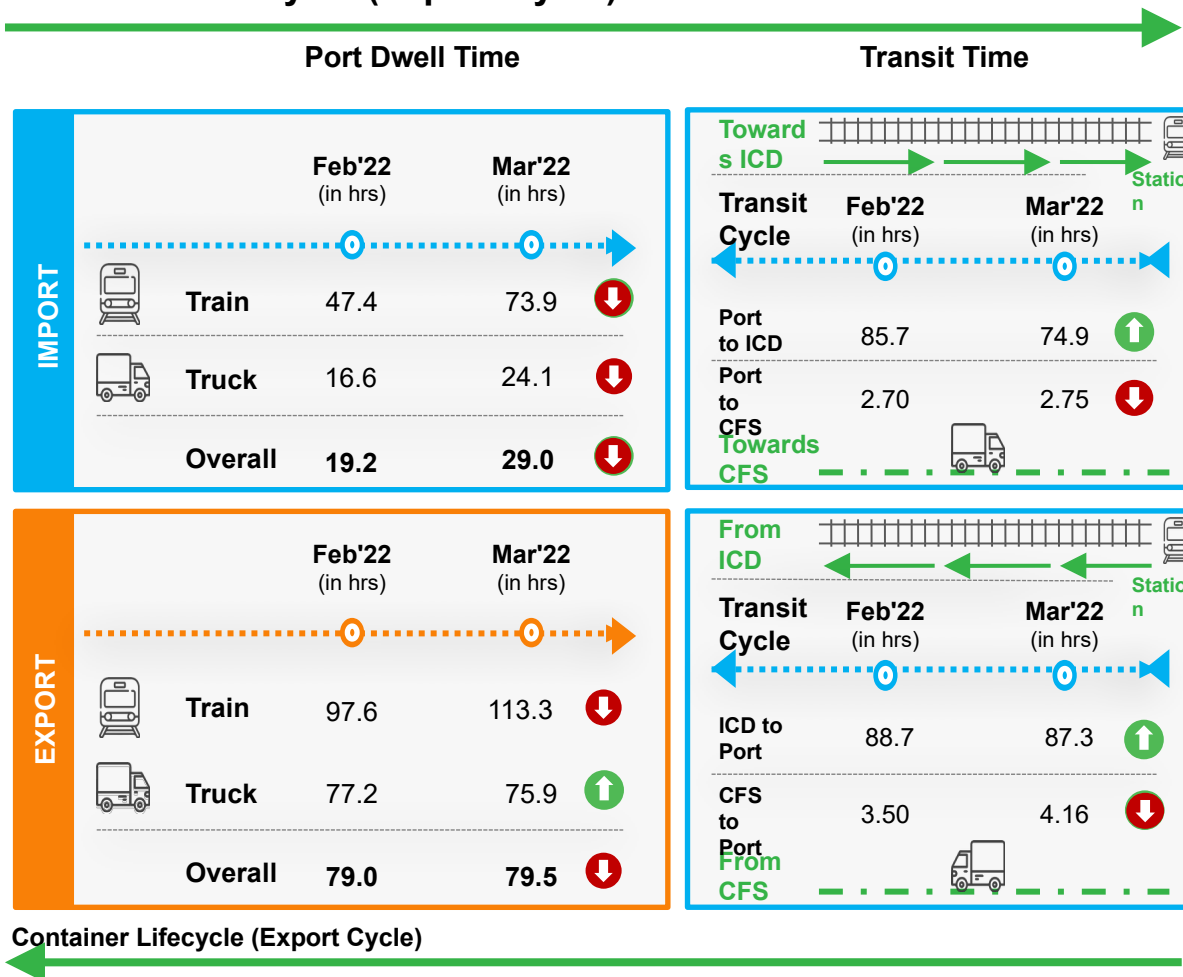
Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

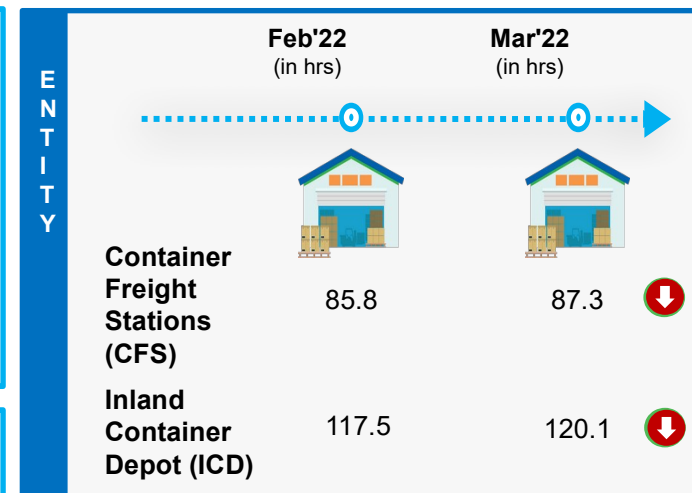


Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle)



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



Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	18%	17%
Truck	82%	83%



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



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

Container Transportation- JNPT Port Terminals

IMPORT CYCLE DWELL TIME (Mar'22 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	29.0	51%	↓
	Port Dwell Time for Truck Bound Containers	24.1	45%	↓
	Port Dwell time for Train Bound Containers	73.9	56%	↓
	Port Dwell time Direct Port Delivery (DPD) containers	32.8	8%	↓
	Port Dwell time Containers bound for CFS	21.8	43%	↓
	Port Dwell for Empty Containers	48.9	85%	↓
	Port Dwell for Laden Containers	23.4	35%	↓
Transit time	Port to ICD	74.9	13%	↑
	Port to CFS	2.75	2%	↓
EXPORT CYCLE DWELL TIME (Mar'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	79.5	1%	↓
	Port Dwell Time for Truck Bound Containers	75.9	2%	↑
	Port Dwell time for Train Bound Containers	113.3	16%	↓
	Port Dwell time Direct Port Entry (DPE) containers	83.4	0.4%	↑
	Port Dwell time Containers bound from CFS	70.9	7%	↑
	Port Dwell for Empty Containers	66.2	5%	↓
	Port Dwell for Laden Containers	81.4	1%	↑
Transit time	ICD to Port	87.3	2%	↑
	CFS to Port	4.16	19%	↓

Compared
to Feb'22

Compared
to Feb'22



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

JNPT Region: Parking Plaza Dwell Time Analysis

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

Parking Plaza Gate In – Gate Out

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall Parking Plaza	5.46	6.20

Container Handled: Day wise (Mar'22)

Parking Plaza	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	48%	48%	4%

Parking Plaza Gate Out – Terminal In

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall Parking Plaza to JNPT Port	1.59	1.87

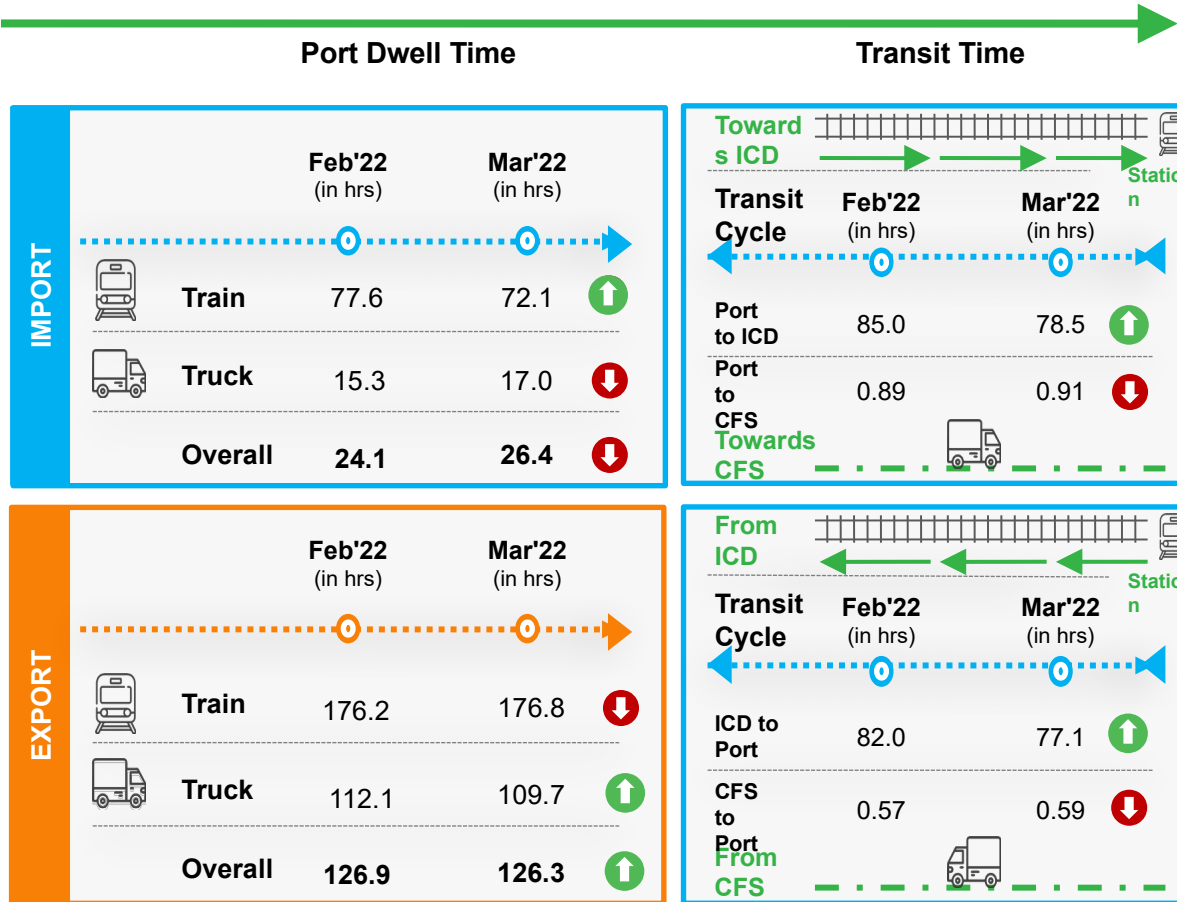
Port	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	1.3	1.9
NSICT	2.0	1.9
GTI	0.9	1.8
NSIGT	1.1	1.7
BMCT	3.7	2.1

Container Handled: Day wise (Mar'22)

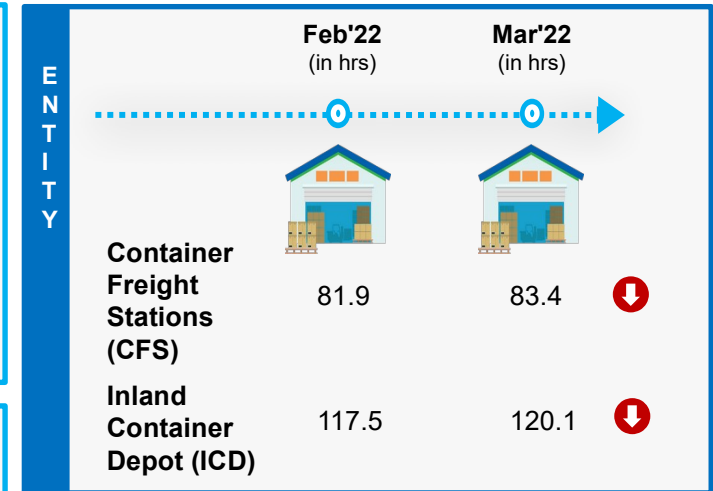
Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	87%	12%	1%
NSICT	90%	10%	0%
GTI	91%	8%	1%
NSIGT	91%	8%	1%
BMCT	90%	10%	0%

Mundra Port Terminal : Container Transportation

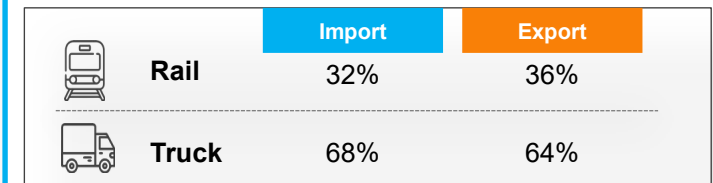
Container Lifecycle (Import Cycle)



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



Volume distribution at port terminal – Truck/Rail



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

Container Lifecycle (Export Cycle)

Container Transportation- Mundra Port Terminal

IMPORT CYCLE DWELL TIME (Mar'22– in hrs)

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	26.4	10%	↓
	Port Dwell Time for Truck Bound Containers	17.0	11%	↓
	Port Dwell time for Train Bound Containers	72.1	7%	↑
Transit time	Port to ICD	78.5	8%	↑
	Port to CFS	0.91	2%	↓

Compared
to Feb'22

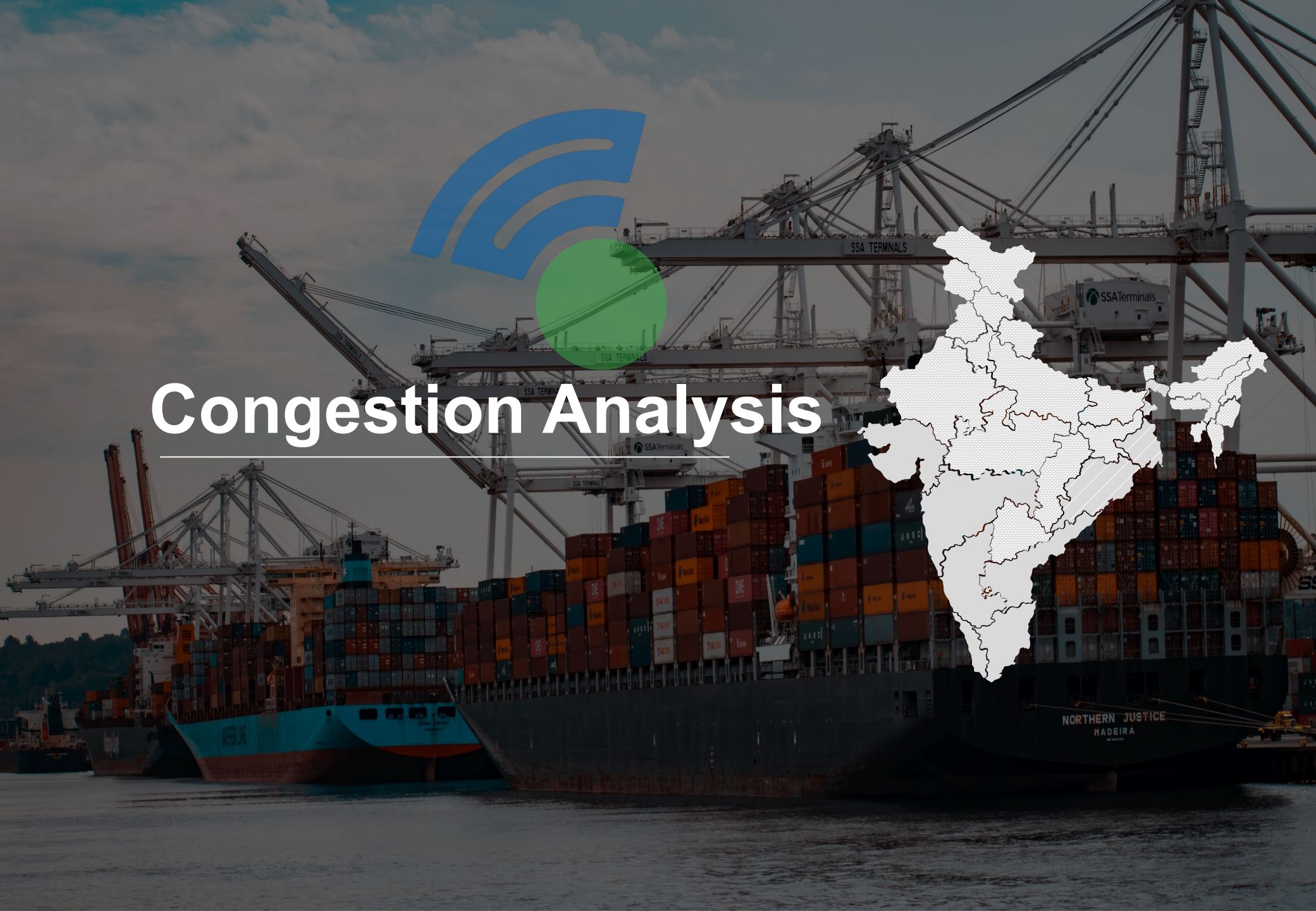
EXPORT CYCLE DWELL TIME (Mar'22– in hrs)

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	126.3	0.5%	↑
	Port Dwell Time for Truck Bound Containers	109.7	2%	↑
	Port Dwell time for Train Bound Containers	176.8	0.3%	↓
Transit time	ICD to Port	77.1	6%	↑
	CFS to Port	0.59	4%	↓

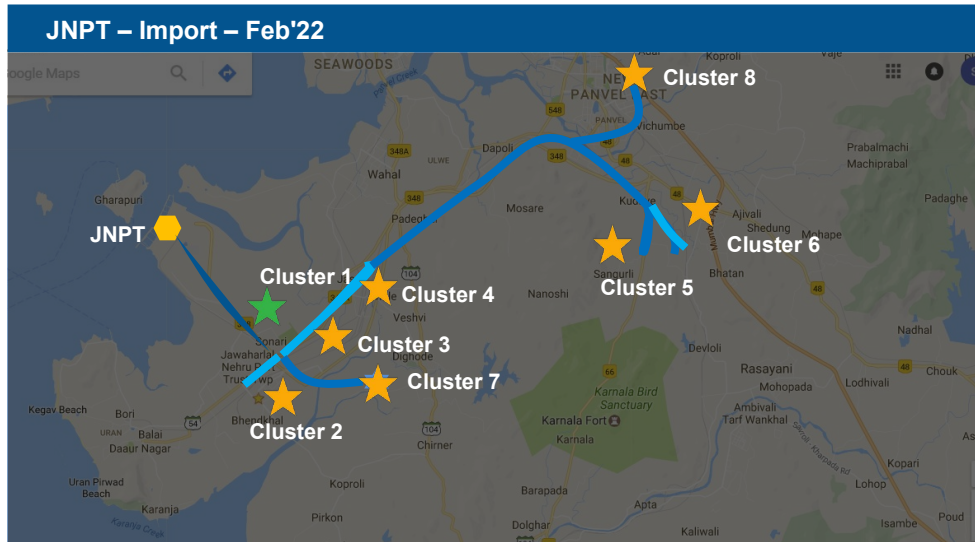


The arrows depict increase/decrease in performance of the stakeholders in comparison to Feb'22

Congestion Analysis



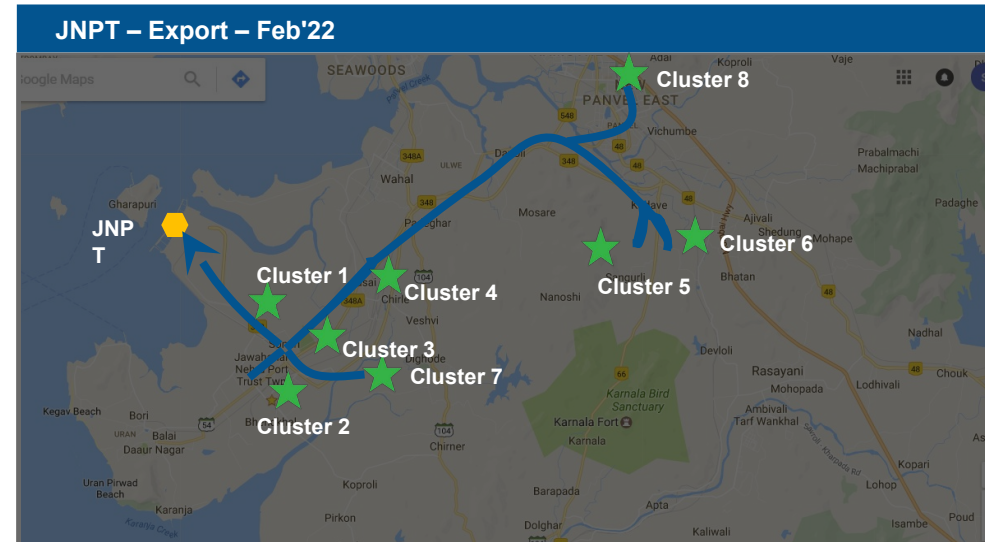
JNPT Region: Congestion Analysis



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

Legends

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



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

Mundra Region: Congestion Analysis



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

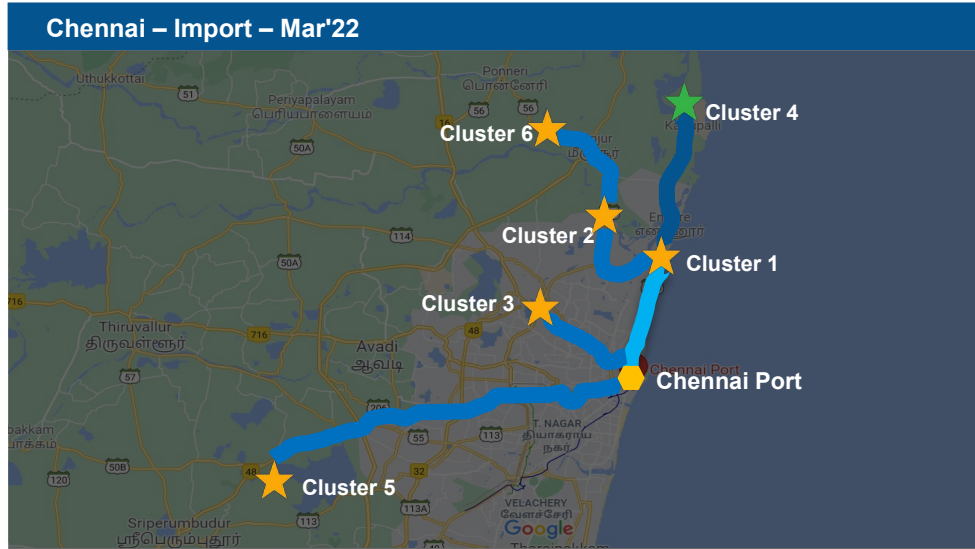


Clusters with bottleneck	
Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

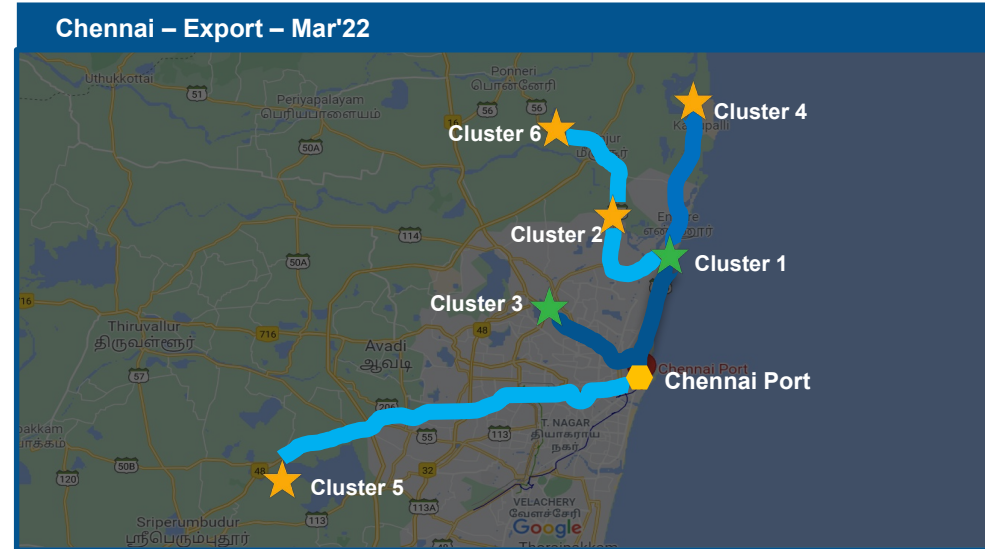
Legends

■ 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

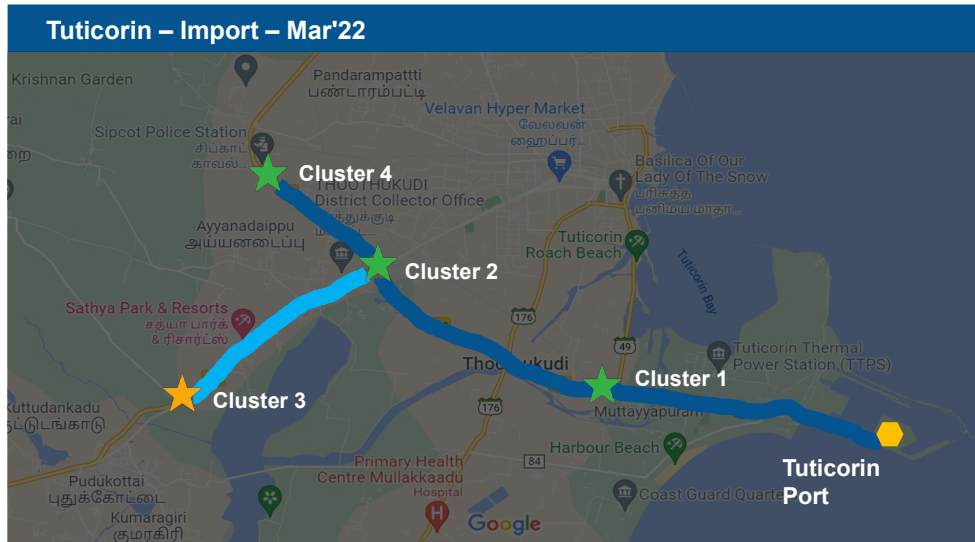


Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 3	Chennai central area
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

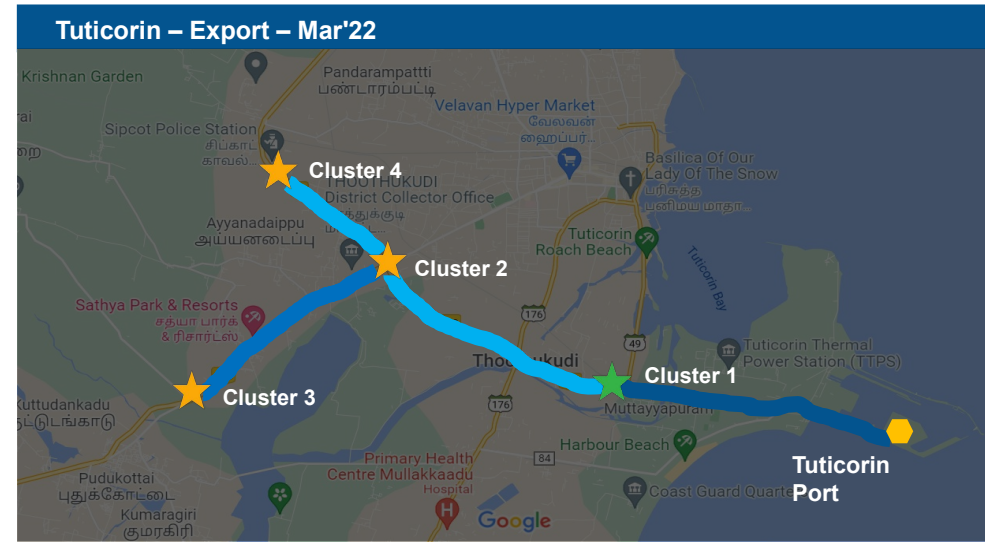
Legends

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

Tuticorin Region: Congestion Analysis



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

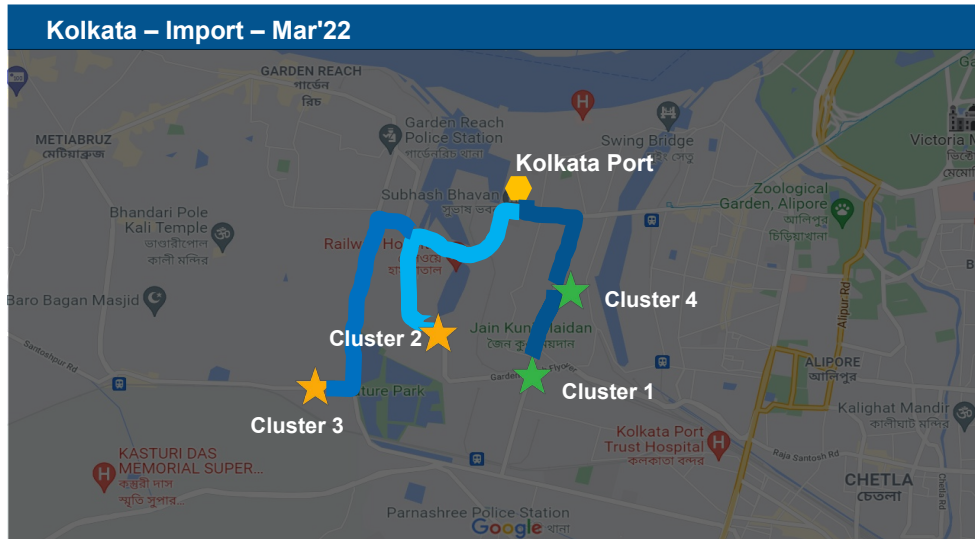


Clusters with bottleneck	
Cluster 1	Near by VOC road
Clusters without bottleneck	
Cluster 2	Periyannayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

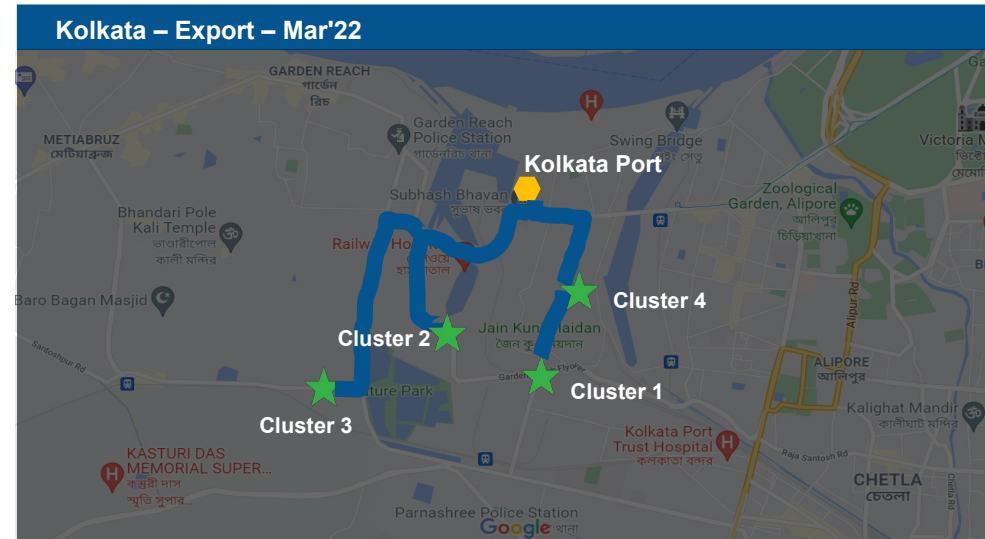
Legends

- 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)

Kolkata Region: Congestion Analysis



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

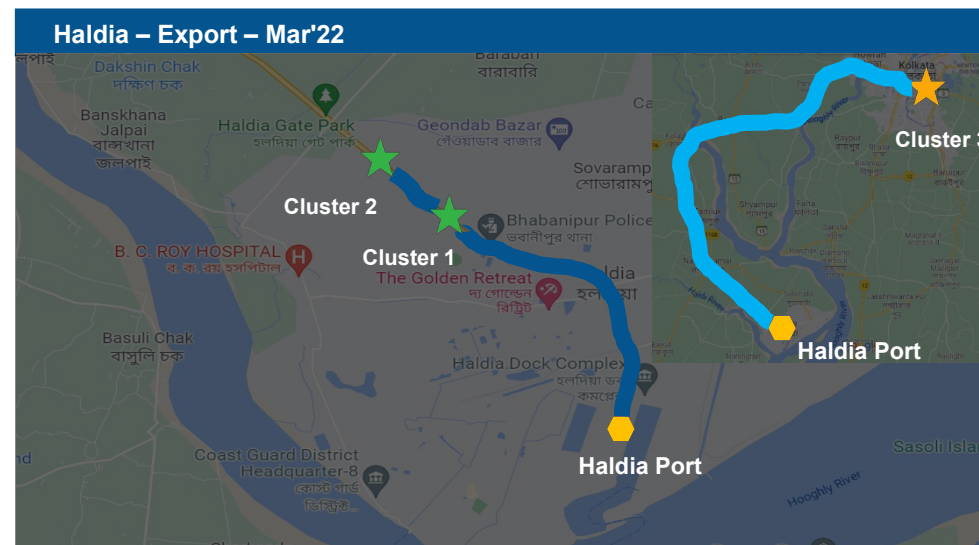
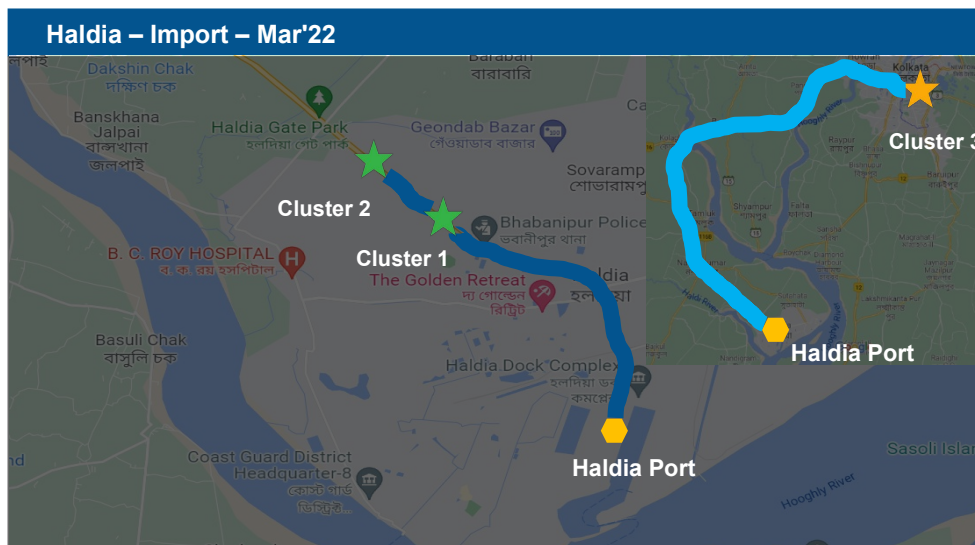


Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Cluster 3	Nature park area
Cluster 4	Babu bazar area
Clusters without bottleneck	

Legends

- High Congestion (Dark Blue line)
- Medium Congestion (Medium Blue line)
- Low Congestion (Light Blue line)
- Cluster with bottleneck (Green star)
- Cluster without bottleneck (Orange 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

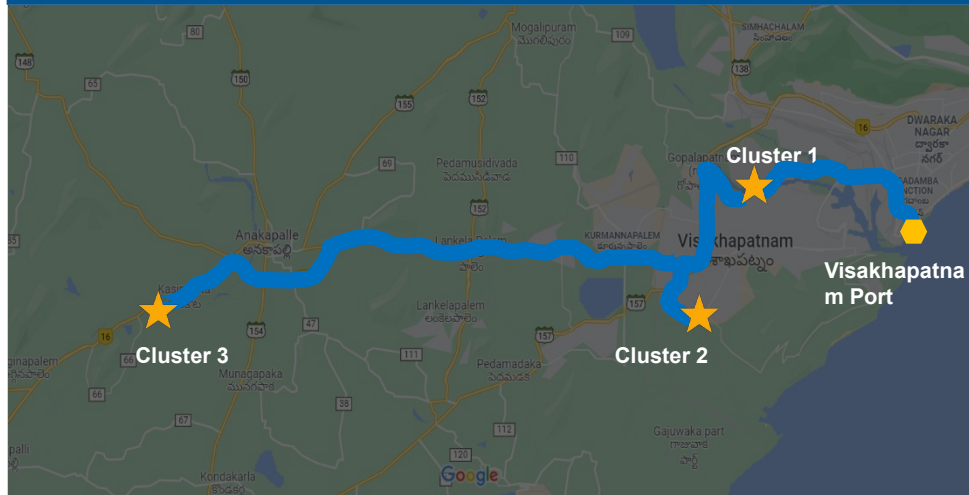
Low Congestion

Cluster with bottleneck

Cluster without bottleneck

Visakhapatnam Region: Congestion Analysis

Visakhapatnam – Import – Mar'22

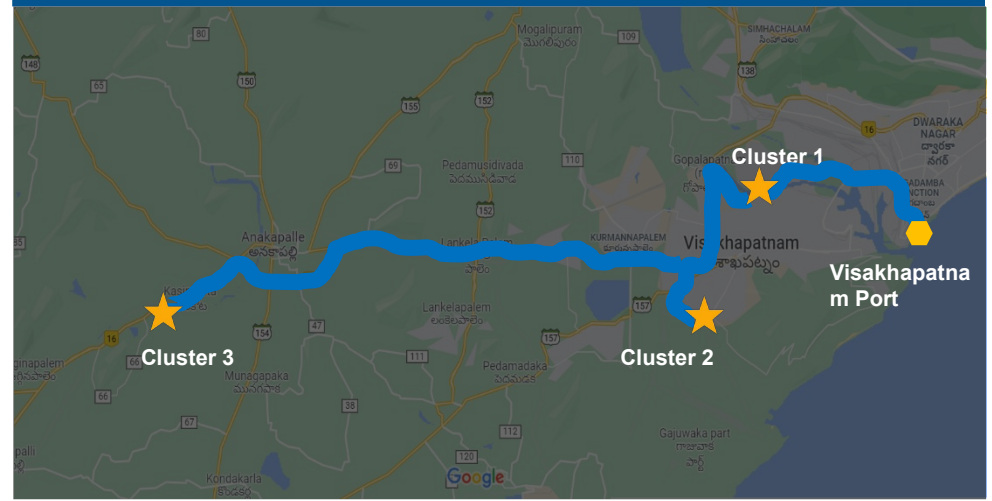


Clusters with bottleneck

Clusters without bottleneck

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

Visakhapatnam – Export – Mar'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

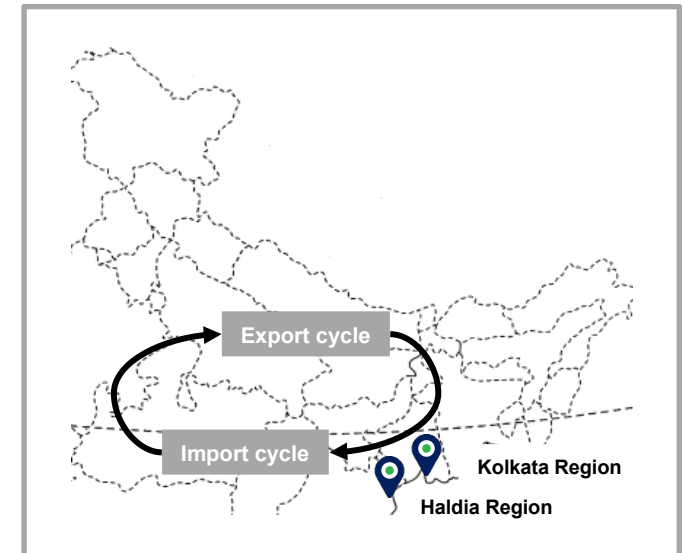


Transit movement across ICPs

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

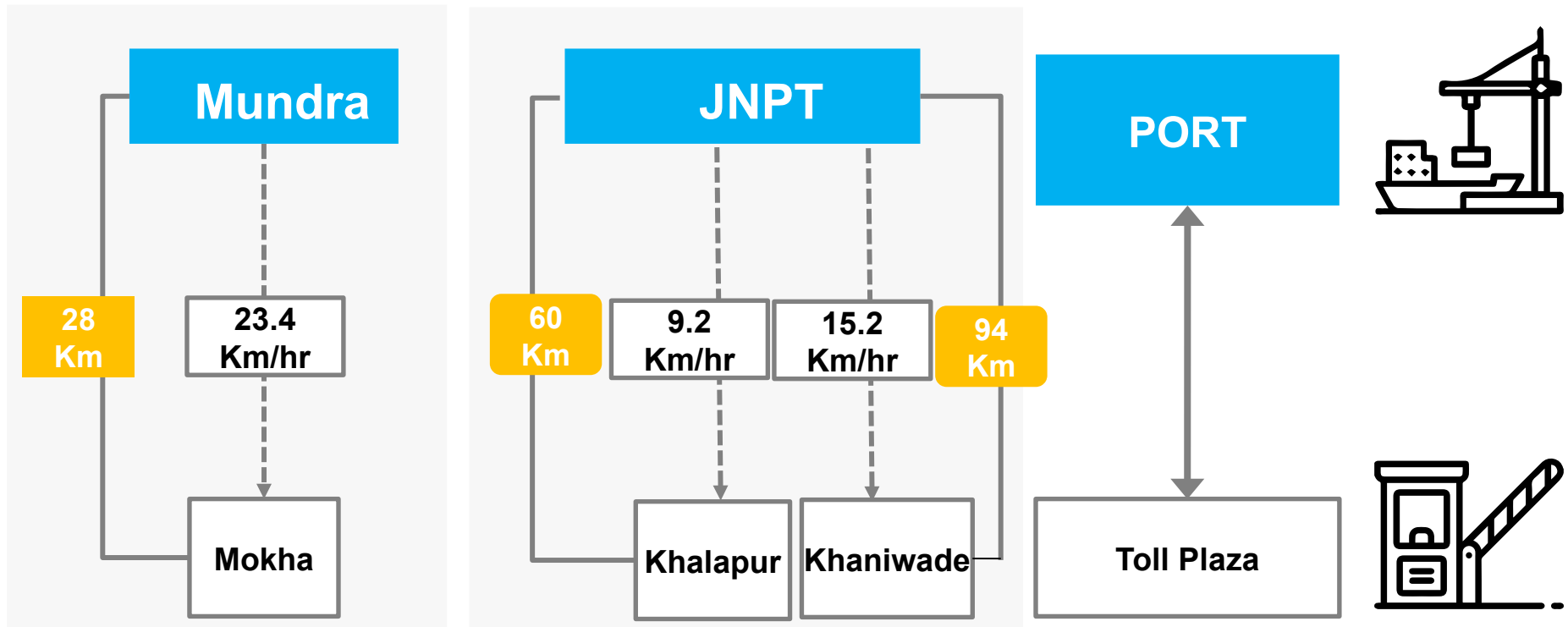
Import Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	80.0 hrs
	Road	120.9 hrs
	Rail	71.2 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	89.1

Export Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	532.4 hrs
	Road	363.8 hrs
	Rail	545.8 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	1078.5 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)		
				Jan'22	Feb'22	Mar'22
Western	Hazira	Boriach	77	4.0	4.7	7.5
Eastern	KOPT(Kolkata)	Dankuni	24	2.4	2.3	2.5
	HICT(Haldia)	Debra	100	5.3	7.2	8.2
		Jaladhulagori	101	7.9	9.2	8.1
Southern	Chennai	Surapattu	18	-	-	-
		Nallur	23	1.6	1.6	1.5
	Kochi	Kumbalam	13	0.7	0.6	0.7
		GIPL Palayekara	71	11.0	13.5	11.4
	NMPT (New Manglore)	Brahamarakotlu	25	2.9	2.5	1.5
		Talapady	22.5	2.3	2.0	1.3
		Gundmi	68	5.7	5.6	5.6
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	4.1	2.7	3.1
	Ennore	Surapattu	35	-	-	-
	Tuticron	VoCPT CheckPost1	4.3	12.9	13.1	13.9

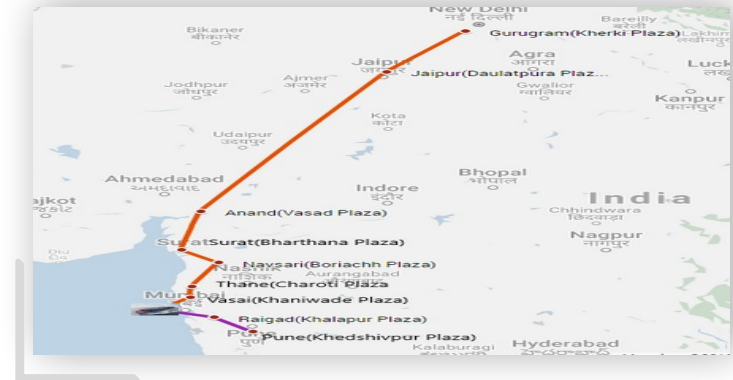
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

Western Corridor Toll Plaza Analysis

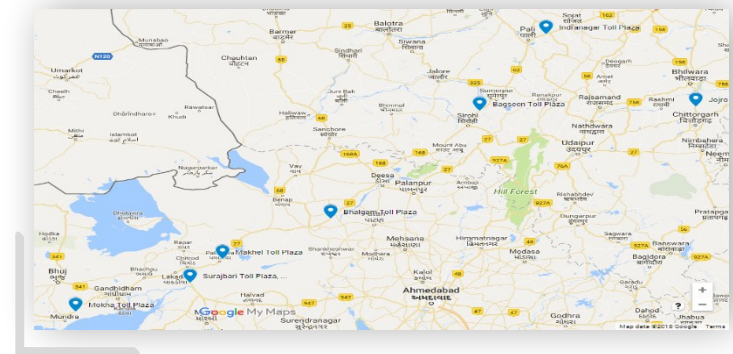
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Feb'22 (in km/hrs)	Mar'22 (in km/hrs)
JNPT	JNPT	Khaniwade	94	16.3	15.2
	JNPT	Khalapur	60	13.5	9.2
	Khaniwade	Charoti	50	38.5	37.9
	Charoti	Boriach	126	28.0	28.9
	Boriach	Bharthan	142	33.1	33.6
	Bharthan	Vasad	60	37.8	38.2
MUNDRA	Khalapur	Khedshivpur	105	35.6	33.9
	Mundra	Mokha	28	22.9	23.4
	Mokha	Makhel	150	24.9	21.5
	Mokha	Surajbari	115	26.7	26.0
	Makhel	Bhalgam	108	34.6	34.3

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

Annexure – Western Region

List of CFS name used in CFS Performance Index

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

List of ICD name used in ICD Performance Index

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

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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

THANK
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