



Logistics Databank Analytics

Annual Report
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. 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

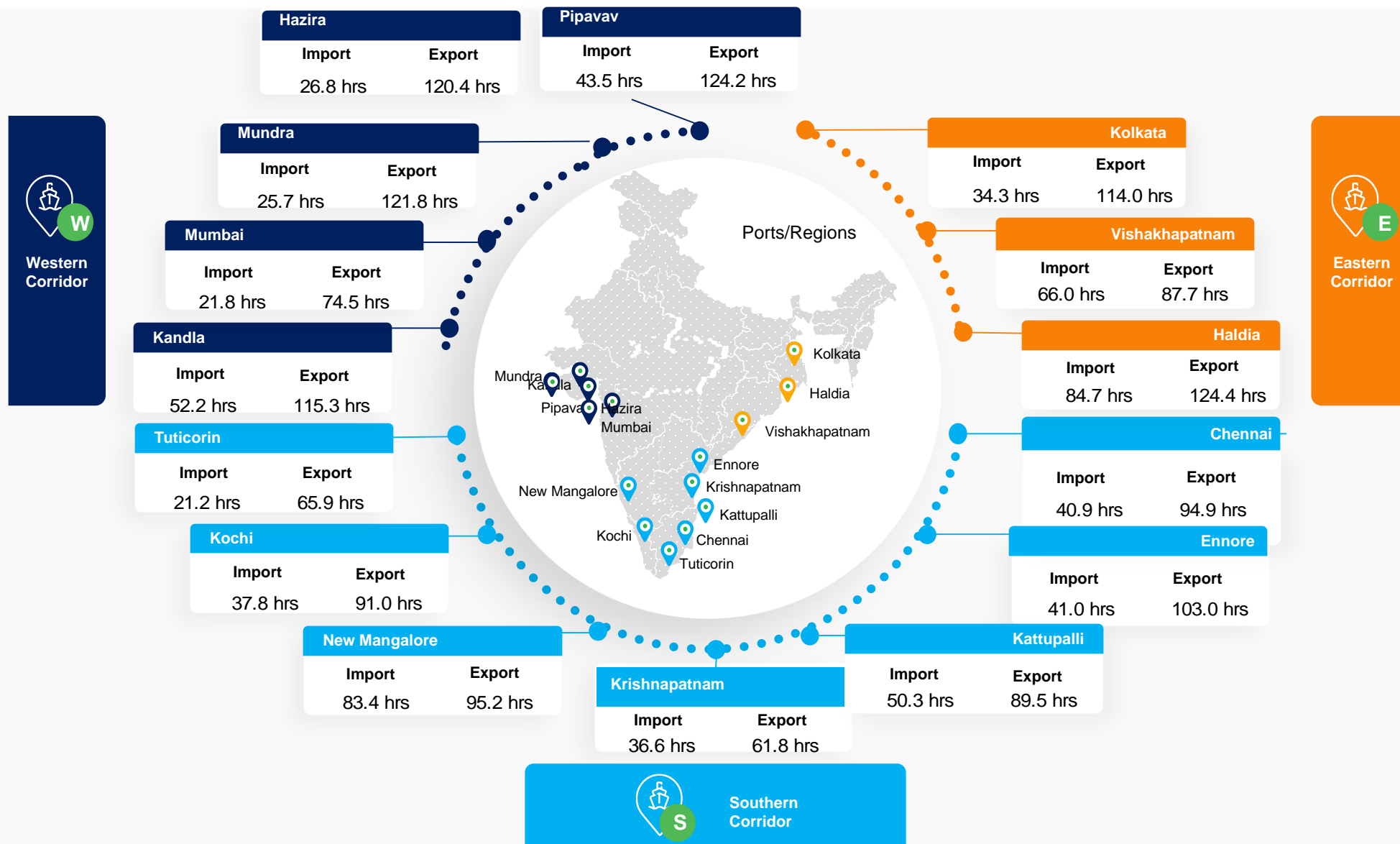
Section 02

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

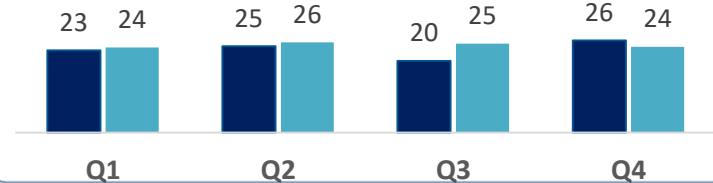
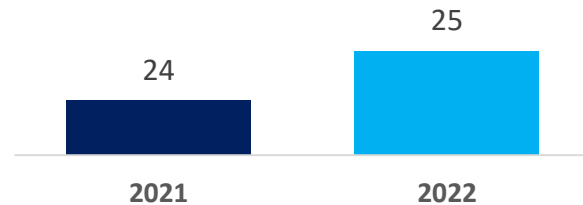
PAN INDIA Performance Snapshot: CY 2022 (Dwell Time)



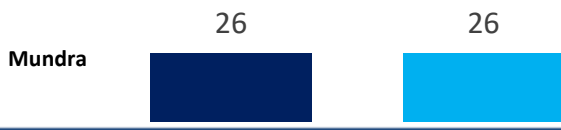
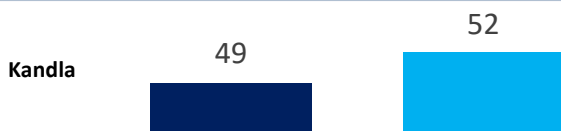
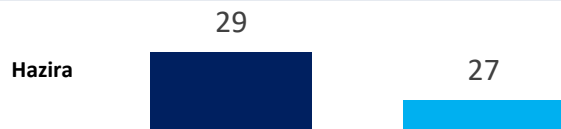
Port Dwell Time Performance – Western Corridor (Import Cycle)

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

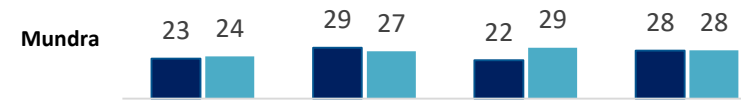
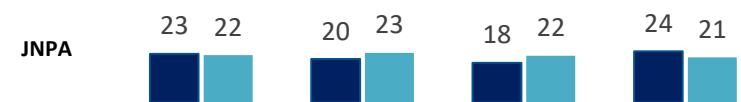
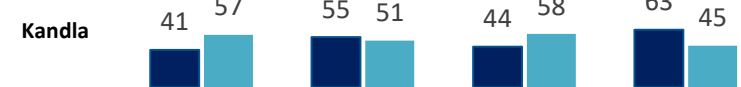
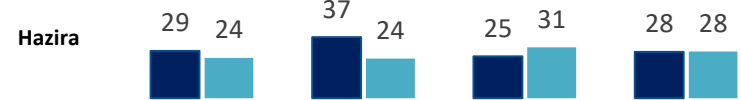
Western Corridor



Import Port - Wise



■ 2021 ■ 2022

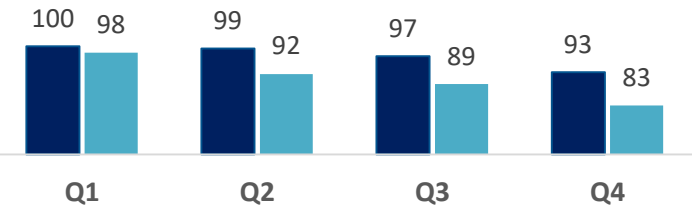
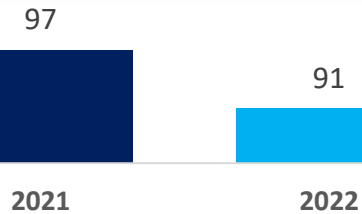


Q1 Q2 Q3 Q4

Port Dwell Time Performance – Western Corridor (Export Cycle)

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

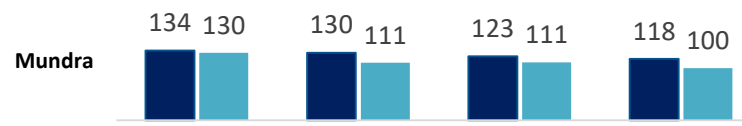
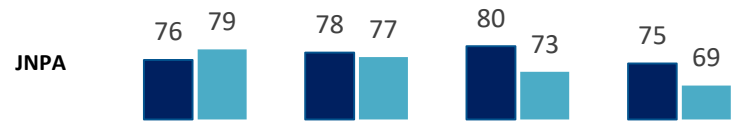
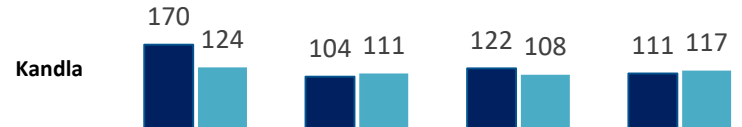
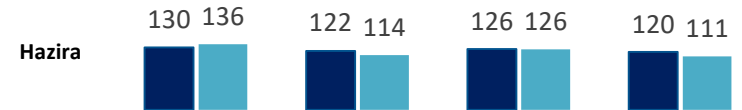
Western Corridor



Export Port - Wise



■ 2021 ■ 2022



Q1 Q2 Q3 Q4

Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

Southern Corridor



44



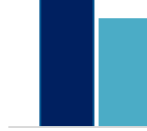
2021

39



2022

54

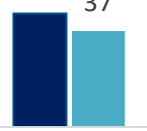


Q1

42



43

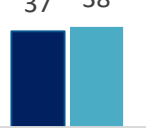


Q2

37



37

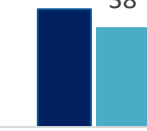


Q3

38



45



Q4

38



Import Port - Wise



40



Kochi

38



90



New Mangalore

83



54



Krishnapatnam

37



51



Chennai

41



64



Kattupalli

50



22



Tuticorin

21



■ 2021 ■ 2022

52



Kochi



42



38



32



80



New Mangalore

77



104



83



104



107



75



79



55



Krishnapatnam

24



57



28



51



25



39



37



63



Chennai

48



48



37



39



41



54



39



76



Kattupalli

54



63



47



50



52



59



50



24



Tuticorin

20



23



24



20



19



21



20



Q1

Q2

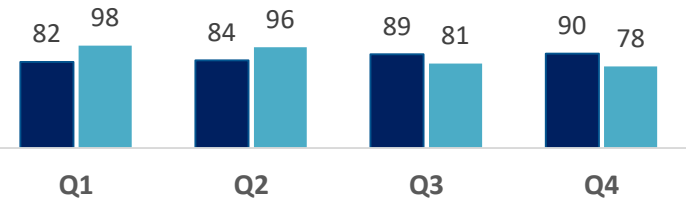
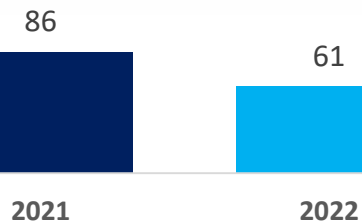
Q3

Q4

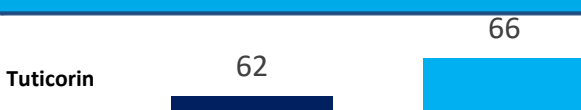
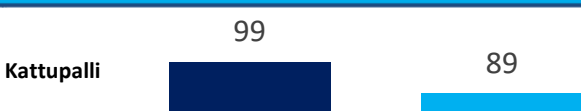
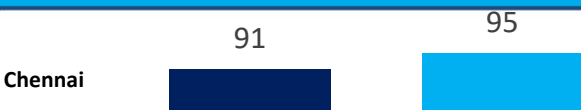
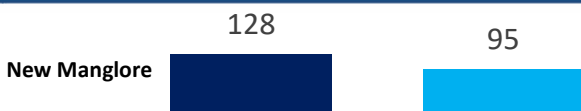
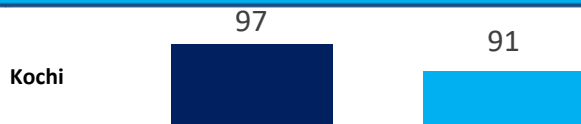
Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

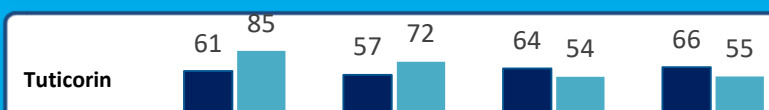
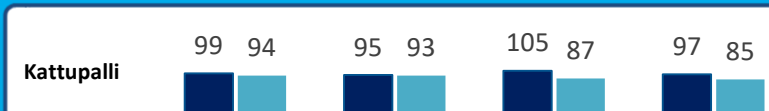
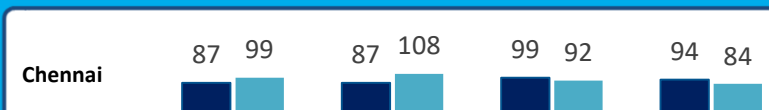
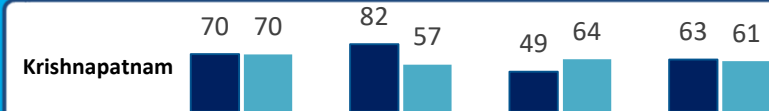
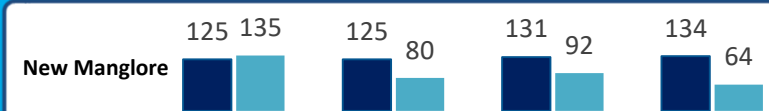
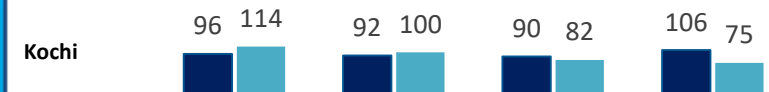
Southern Corridor



Export Port - Wise



■ 2021 ■ 2022

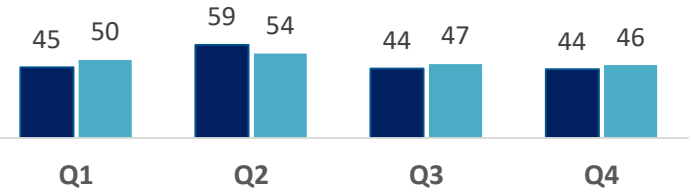
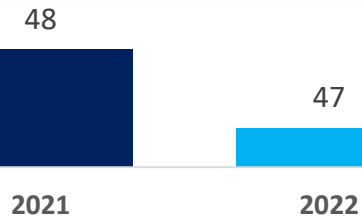


■ 2021 ■ 2022

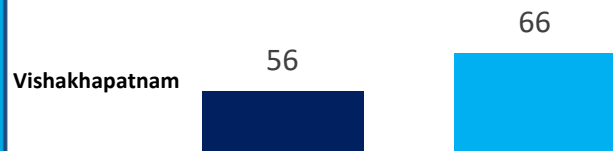
Port Dwell Time Performance – Eastern Corridor (Import Cycle)

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

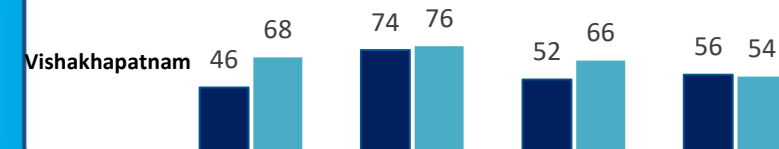
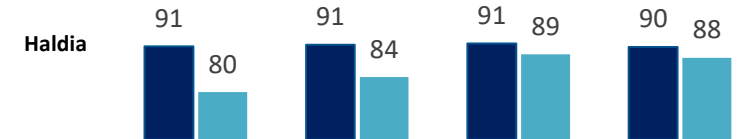
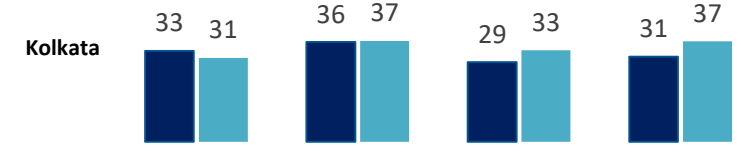
Eastern Corridor



Import Port - Wise



■ 2021 ■ 2022



■ 2021 ■ 2022

Port Dwell Time Performance – Eastern Corridor (Export Cycle)

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

Eastern Corridor



118

101

2021

2022

117

113

120

107

122

100

110

85

Q1

Q2

Q3

Q4

Export Port - Wise



Kolkata

133

114

Haldia

131

124

Vishakhapatnam

103

88

■ 2021 ■ 2022

Kolkata

123

119

143

123

145

120

123

96

Haldia

135

144

144

136

143

117

120

96

Vishakhapatnam

108

102

101

92

104

83

98

73

Q1

Q2

Q3

Q4

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 5.9% & Export Cycle has improved by 6.4%.
- The container handling performance at CFS has improved by 4.4%. Also, ICD performance has improved by 4.4%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
CY'22	25.0 hrs	90.8 hrs	85.5 hrs	118.5 hrs
CY'21	23.6 hrs	97.0 hrs	89.4 hrs	124.0 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 12.9% & in Export Cycle has improved by 28.7%.
- The container handling performance at CFS has improved by 5.9%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
CY'22	38.5 hrs	61.4 hrs	102.8 hrs
CY'21	44.2 hrs	86.1 hrs	109.3 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has improved by 0.4% and Export Cycle has improved by 14.0%.
- The container handling performance at CFS has deteriorated by 1.4%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
CY'22	47.3 hrs	101.3 hrs	127.9 hrs
CY'21	47.5 hrs	117.8 hrs	126.1 hrs

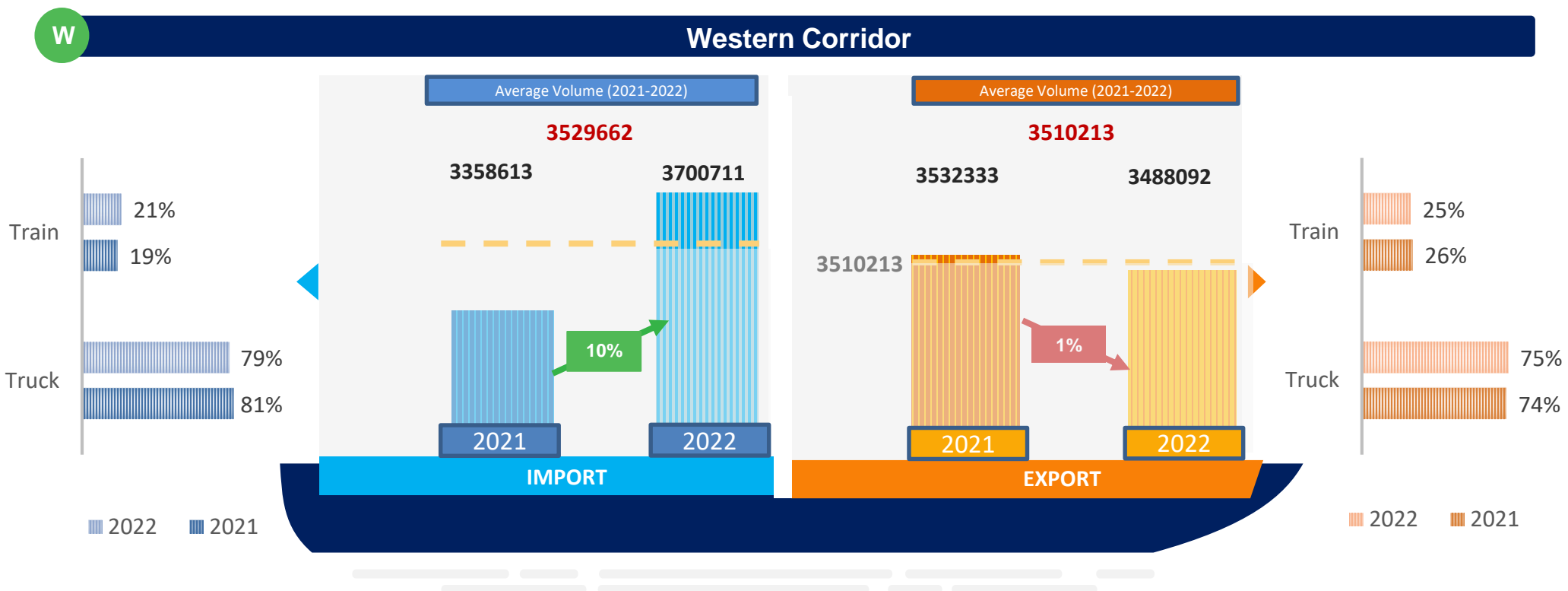


CORONA VIRUS
ALERT

COVID – 19 Impact

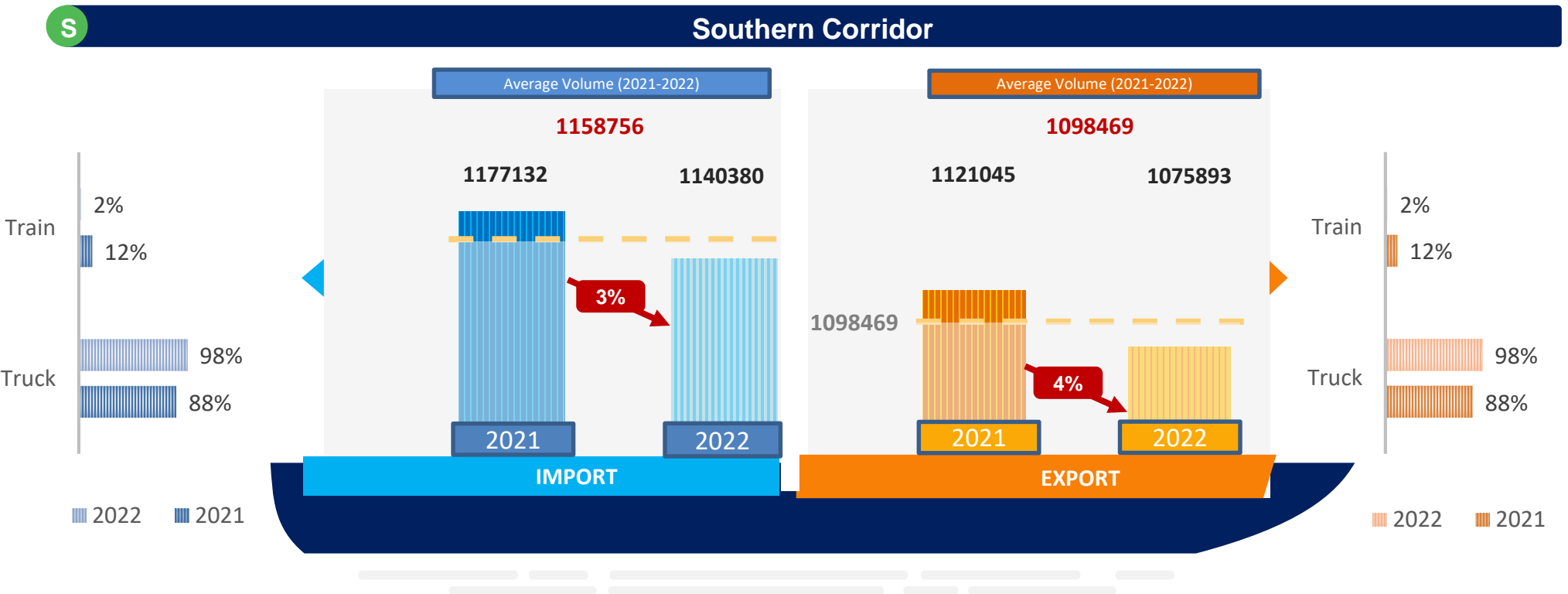
Volume Impact – Western Corridor

Below graphs depicts the change in volume percentage during the year of 2022(Jan'22-Dec'22) w.r.t the last year i.e., 2021(Jan'21-Dec'21) and the average EXIM corridor wise volume.



Volume Impact – Southern Corridor

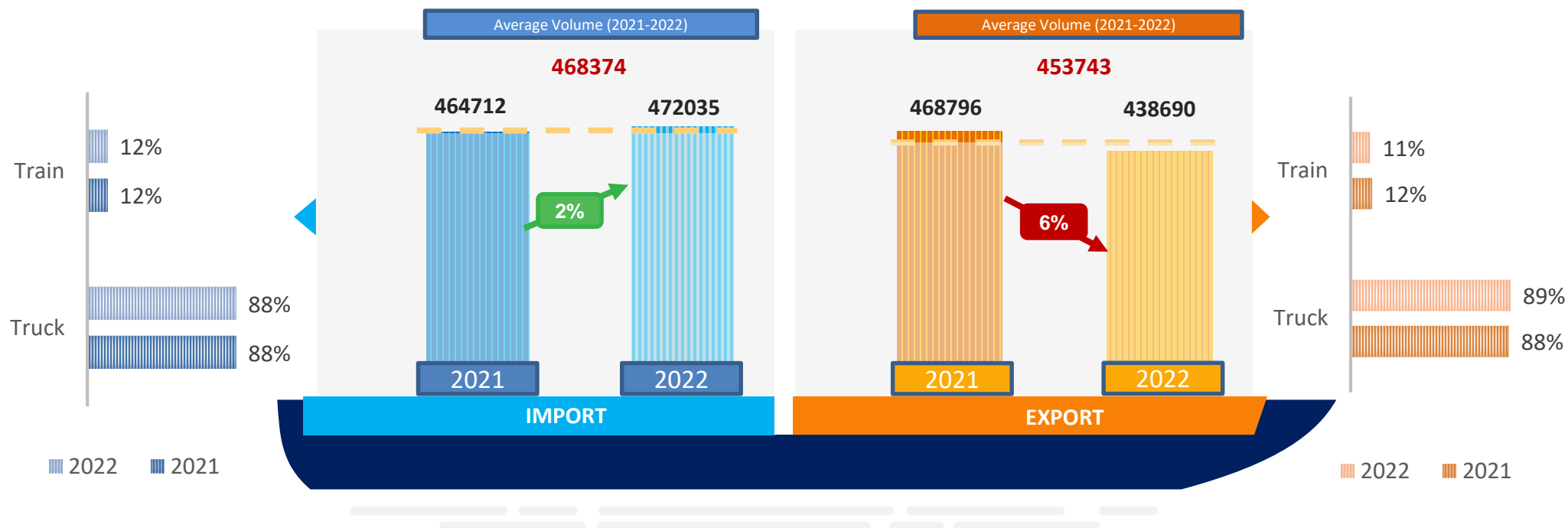
Below graphs depicts the change in volume percentage during the year of 2022(Jan'22-Dec'22) w.r.t the last year i.e., 2021(Jan'21-Dec'21) and the average EXIM corridor wise volume.



Volume Impact – Eastern Corridor

Below graphs depicts the change in volume percentage during the year of 2022(Jan'22-Dec'22) w.r.t the last year i.e., 2021(Jan'21-Dec'21) and the average EXIM corridor wise volume.

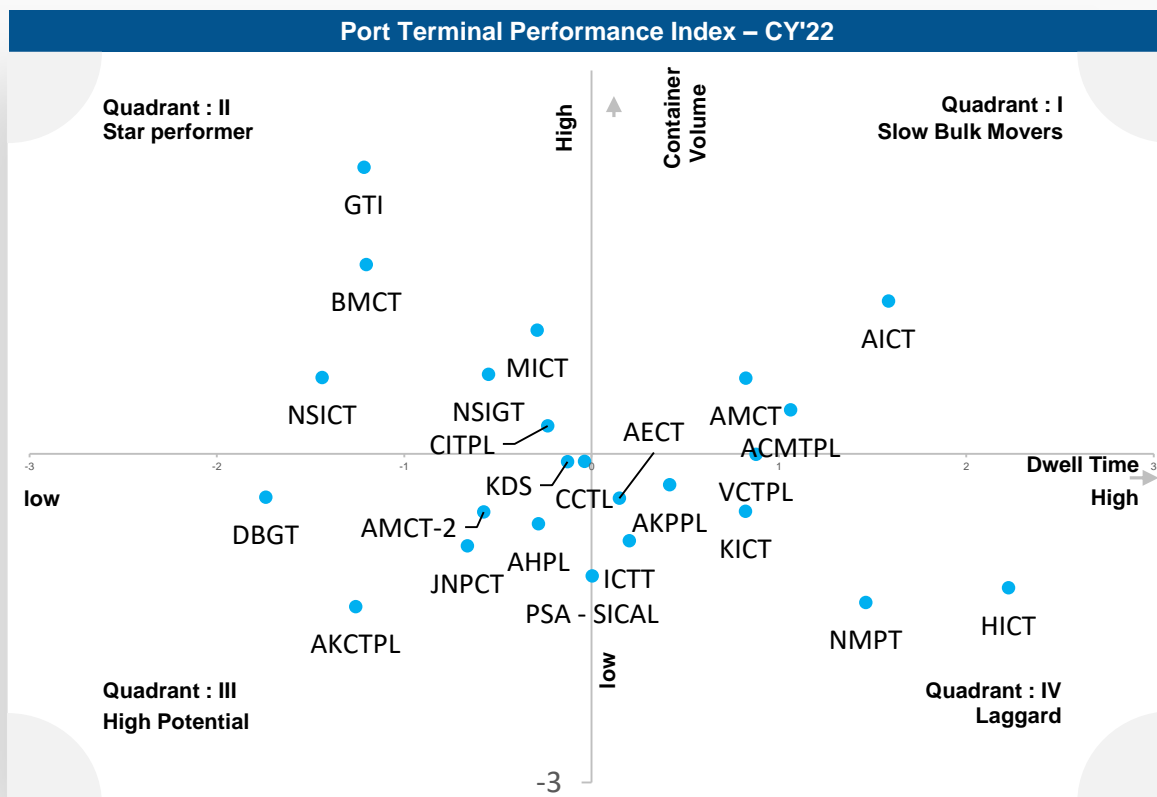
E Eastern Corridor



Pan India - Port Performance Benchmarking & Performance Index

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 CY'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
CY'21	CY'22
41.8 hrs	42.2 hrs
	↓
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
CY'21	CY'22
108.6 hrs	100.6 hrs
	↑

Note: The performance benchmarking is based on performance index

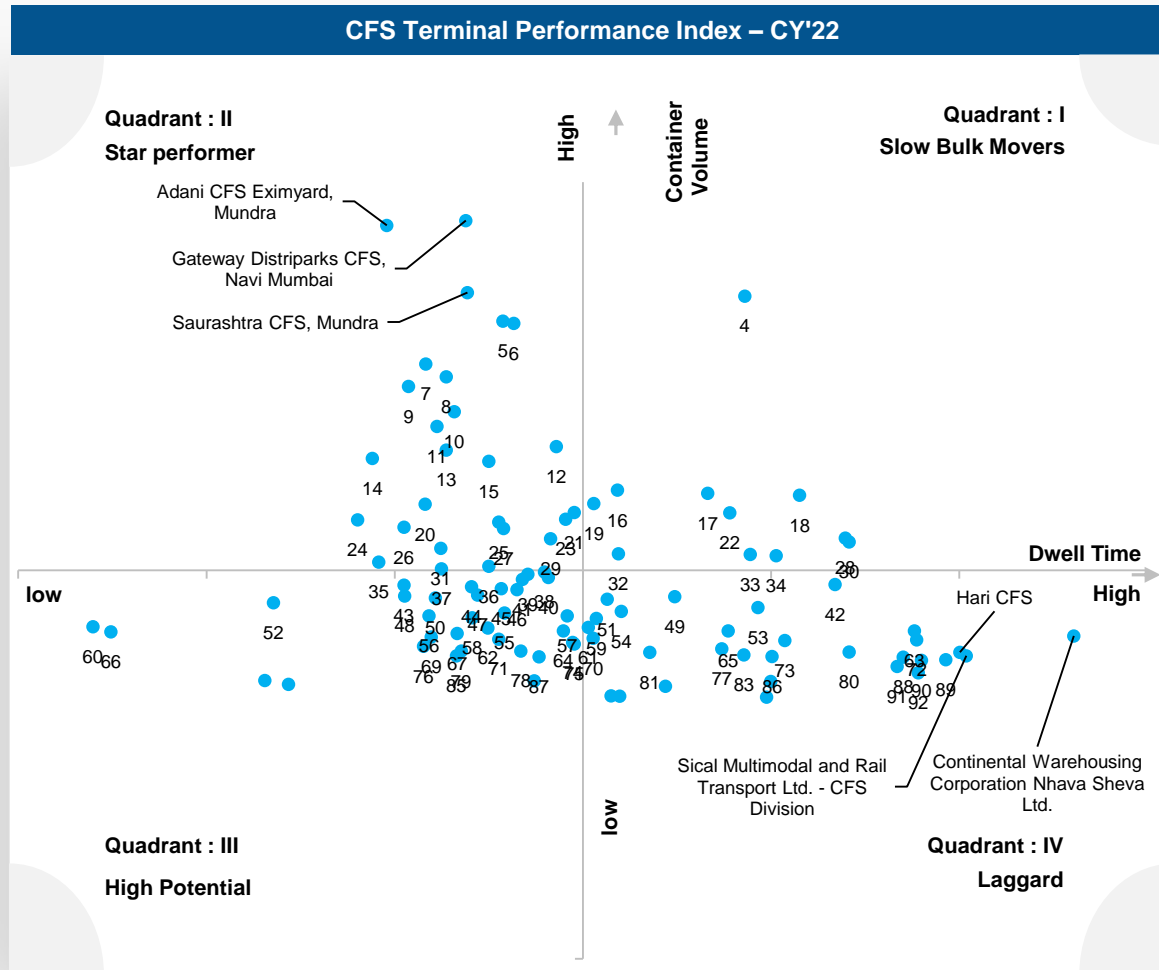
↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to CY'21

Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume	
Star Performer Consist of entities which have catered relatively high container volume in lower dwell time	Slow Bulk Movers Consist of entities which have catered higher container volume 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 CY'22

Top Three Performing CFSs			
CFS Name	CY'21	CY'22	
Adani CFS Eximyard, Mundra	55.9 hrs	74.7 hrs	↓
Gateway Distriparks CFS, Navi Mumbai	82.4 hrs	84.8 hrs	↓
Saurashtra CFS, Mundra	89.2 hrs	85.0 hrs	↑
Bottom Three Performing CFSs			
CFS Name	CY'21	CY'22	
Continental Warehousing Corporation Nhava Sheva Ltd.	146.9 hrs	162.2 hrs	↓
Sical Multimodal and Rail Transport Ltd. - CFS Division	149.0 hrs	148.5 hrs	↑
Hari CFS	158.4 hrs	147.7 hrs	↑

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

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

Port Dwell Time

IMPORT		CY'21 (in hrs)	CY'22 (in hrs)	
	Train	55.8	67.2	↓
EXPORT	Truck	20.1	20.3	↓
	Overall	23.6	25.0	↓
EXPORT		CY'21 (in hrs)	CY'22 (in hrs)	
	Train	118.8	129.0	↓
EXPORT	Truck	93.2	84.3	↑
	Overall	97.0	90.8	↑

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

ENTITY		CY'21 (in hrs)	CY'22 (in hrs)	
	Inland Container Depot (ICD)	124.0	118.5	↑
ENTITY	Container Freight Stations (CFS)	89.4	85.5	↑



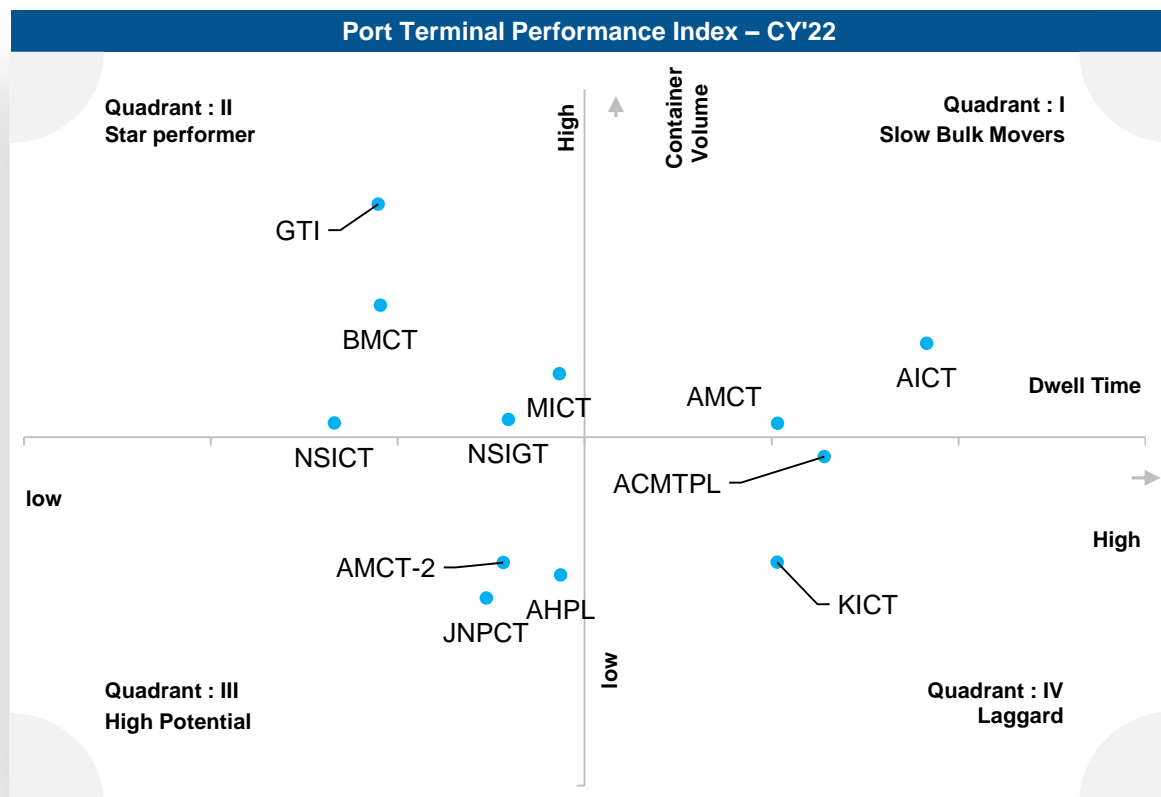
The marked entries showcase increase in performance in comparison to CY'21



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

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 CY'22

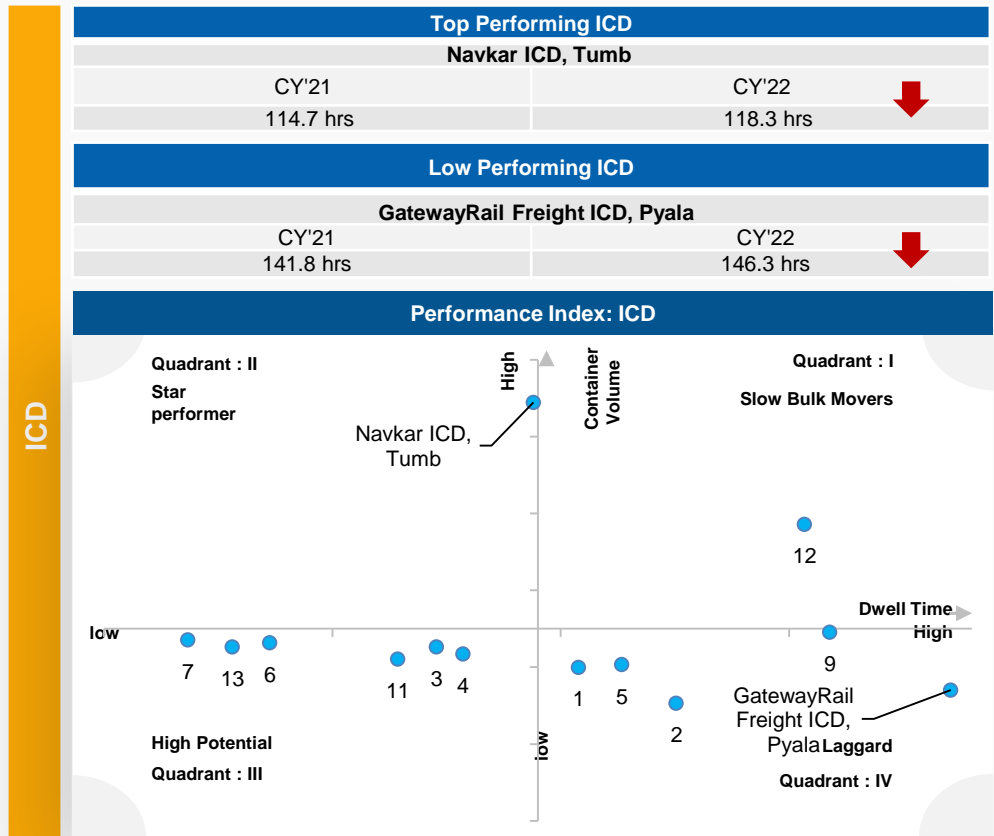
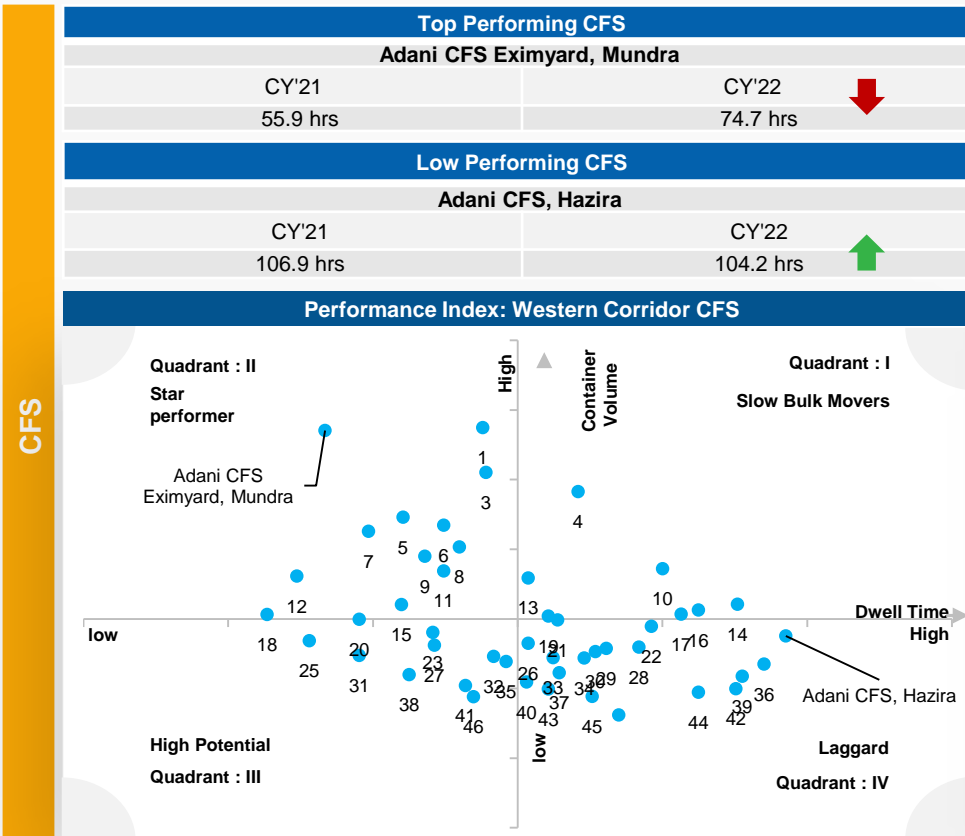
Top Performing Terminal	
Gateway Terminals India (GTI)	
CY'21	CY'22
41.8 hrs	42.2 hrs
	↓
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
CY'21	CY'22
75.6 hrs	76.8 hrs
	↓

Note: The performance benchmarking is based on performance index

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

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



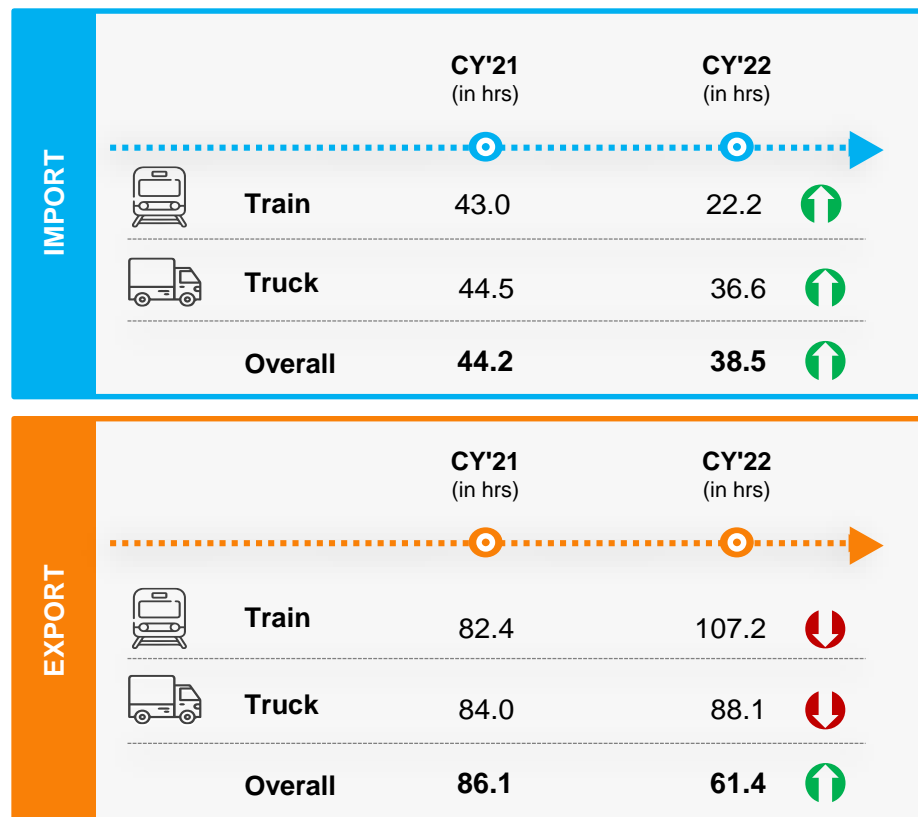
Note: The performance benchmarking is based on performance index



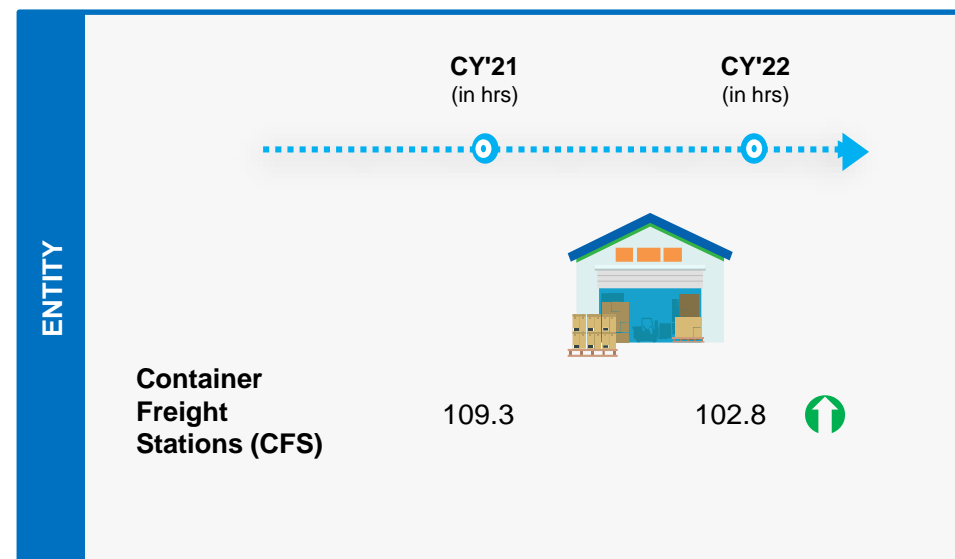
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to CY'21

Kindly refer to Annexure section for the names of CFS

Port Dwell Time



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



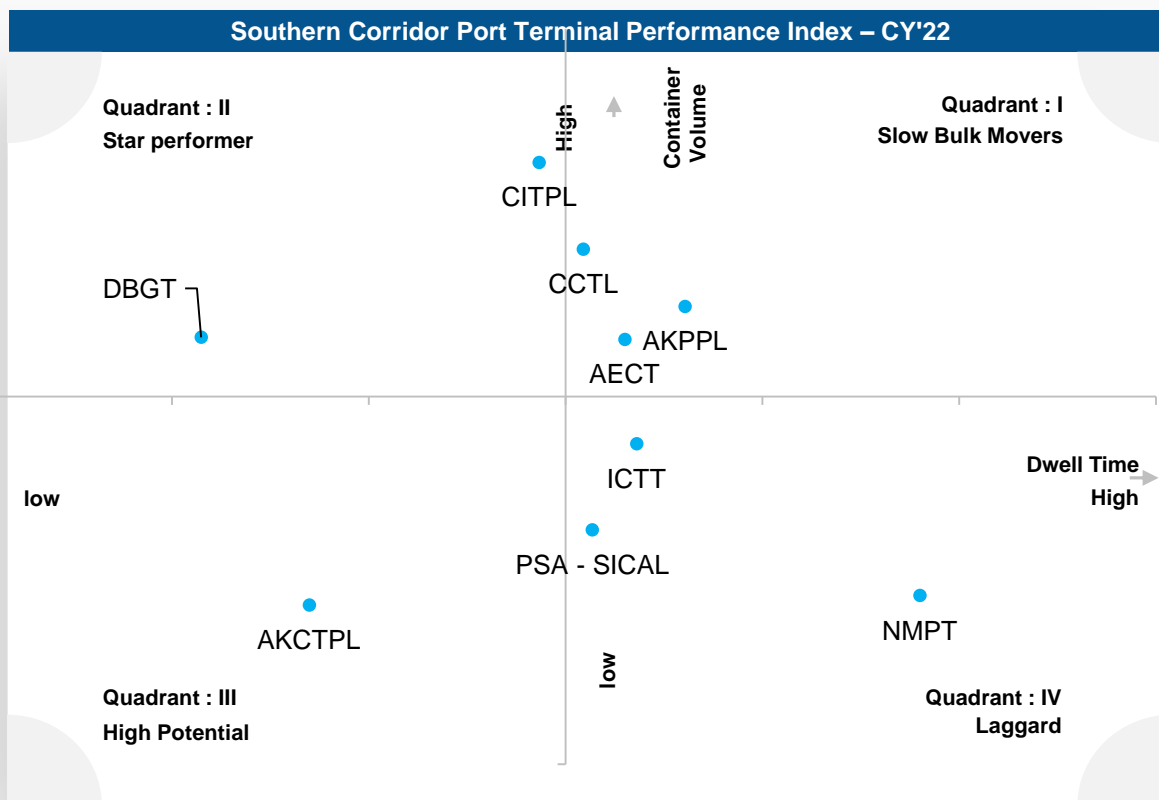
The marked entries showcase increase in performance in comparison to CY'21



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

Performance Benchmarking – Port Terminals

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



Performance benchmarking for Port Terminal covered under LDB project for CY'22

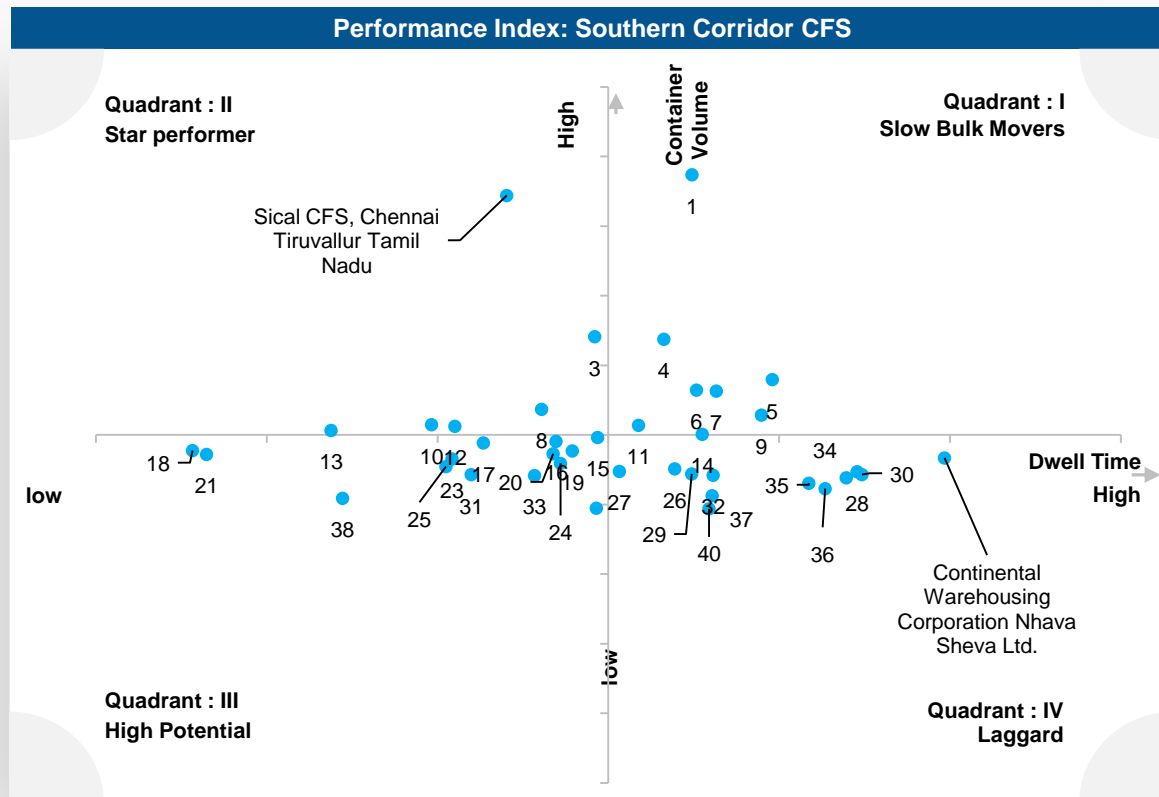
Top Performing Terminal	
Dakshin Bharat Gateway Terminal (DBGT)	
CY'21	CY'22
34.4 hrs	33.3 hrs
↑	
Low Performing Terminal	
New Mangalore Port Trust	
CY'21	CY'22
100.9 hrs	87.7 hrs
↑	

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume	
Star Performer Consist of entities which have catered relatively high container volume in lower dwell time	Slow Bulk Movers Consist of entities which have catered higher container volume 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 Southern Corridor for CY'22

Top Performing CFS	
Sical CFS, Chennai Tiruvallur Tamil Nadu	
CY'21	CY'22
102.3 hrs	89.5 hrs
	↑
Low Performing CFS	
Continental Warehousing Corporation Nhava Sheva Ltd.	
CY'21	CY'22
146.9 hrs	162.2 hrs
	↓

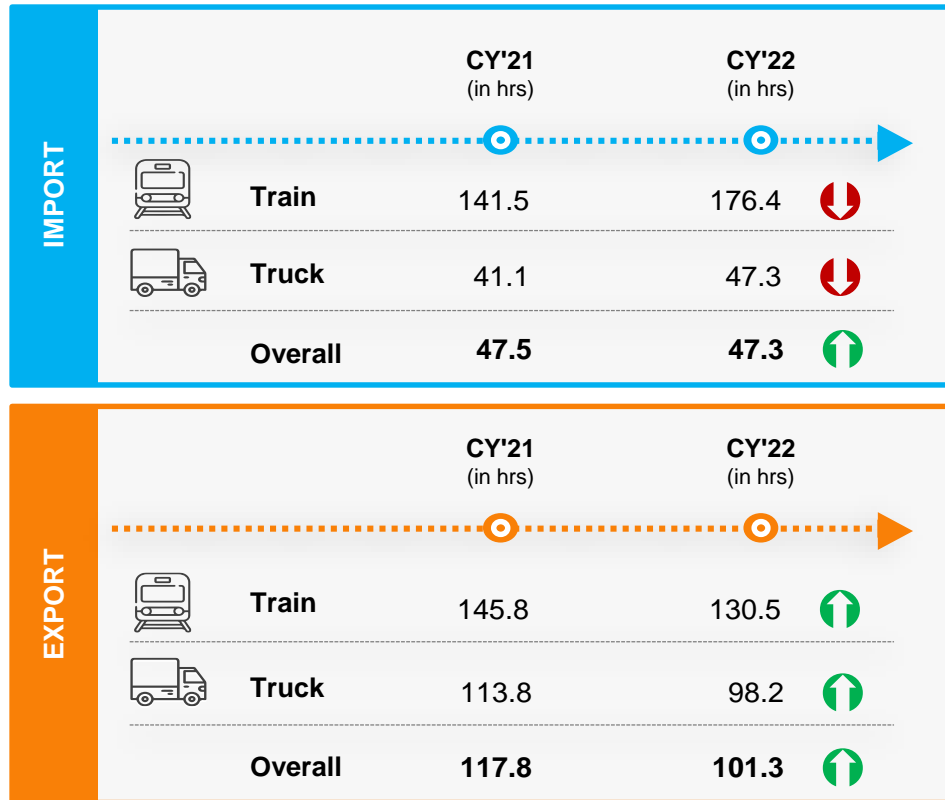
Note: The performance benchmarking is based on performance index

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

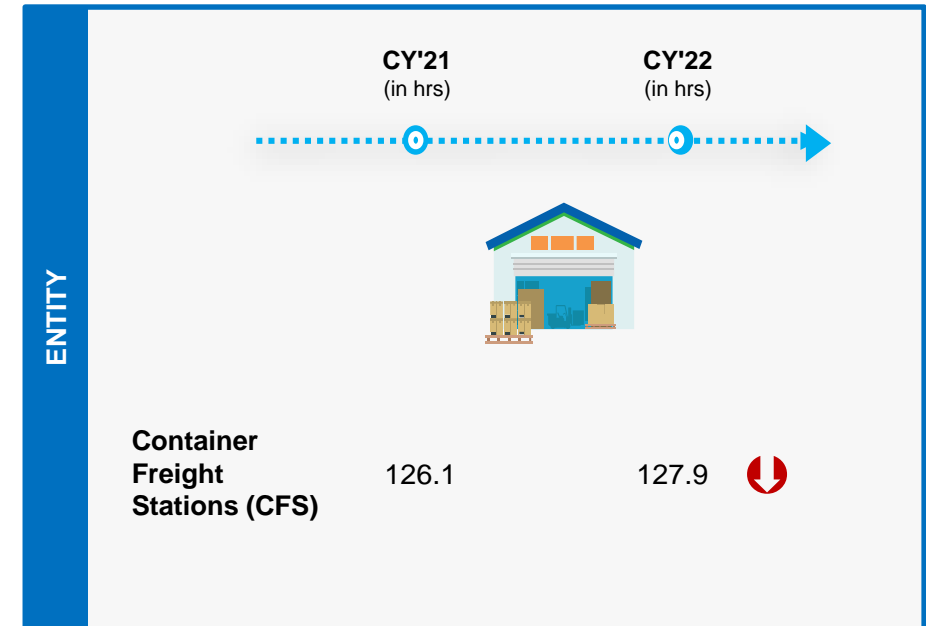
Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular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



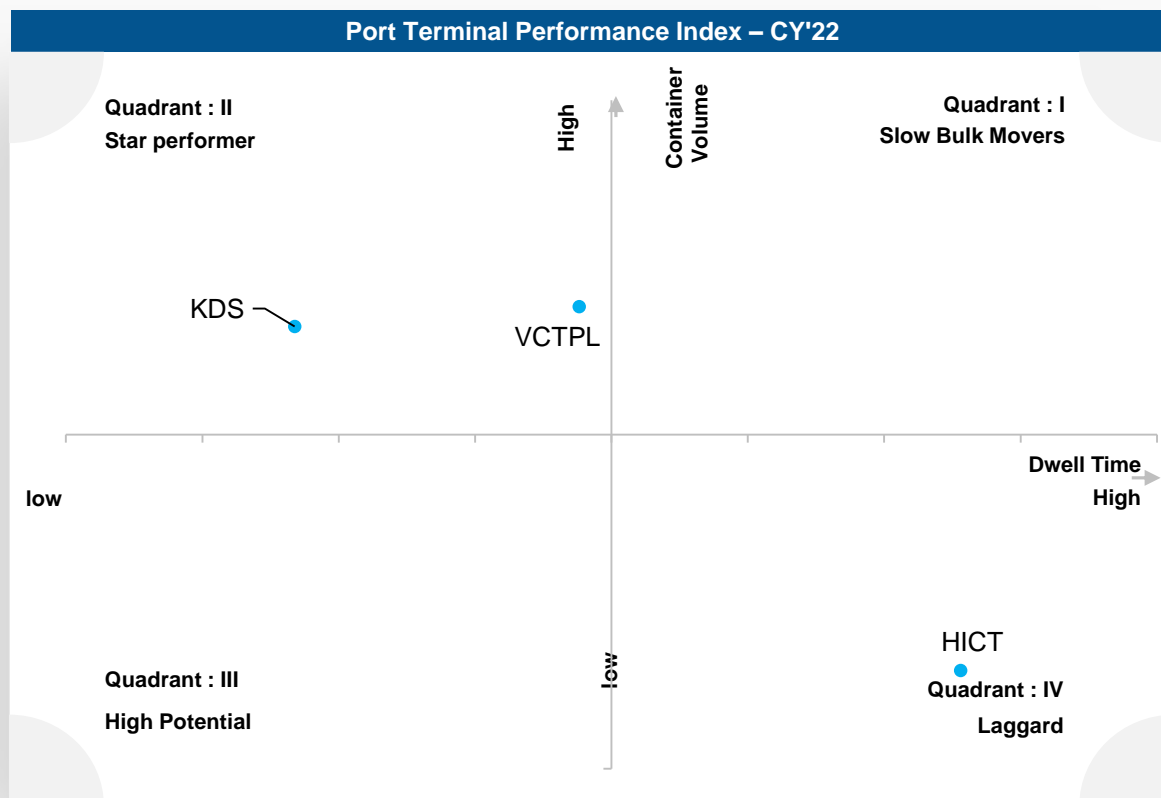
The marked entries showcase increase in performance in comparison to CY'21




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


Performance Benchmarking - Port Terminals

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





Performance benchmarking for Port Terminal covered under LDB project in Eastern Corridor for CY'22

Top Performing Terminal	
Kolkata Dock System (KDS) , Kolkata Port	
CY'21	CY'22
68.1 hrs	60.7 hrs 

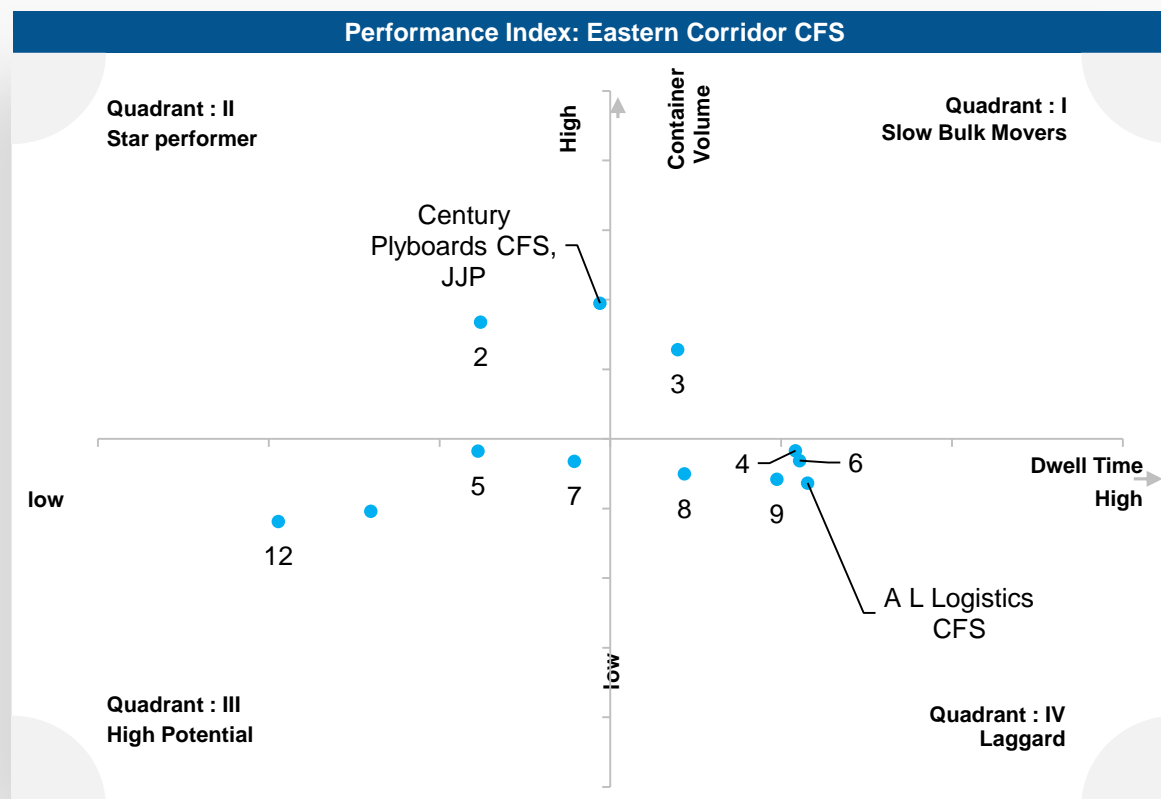
Low Performing Terminal	
Haldia International Container Terminal (HICT)	
CY'21	CY'22
108.6 hrs	100.6 hrs 

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary	
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume	
Star Performer Consist of entities which have catered relatively high container volume in lower dwell time	Slow Bulk Movers Consist of entities which have catered higher container volume 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 CY'22

Top Performing CFS	
Century Plyboards CFS, JJP	
CY'21	CY'22
120.7 hrs	127.3 hrs
Low Performing CFS	
A L Logistics CFS	
CY'21	CY'22
117.2 hrs	142.8 hrs

Note: The performance benchmarking is based on performance index

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

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



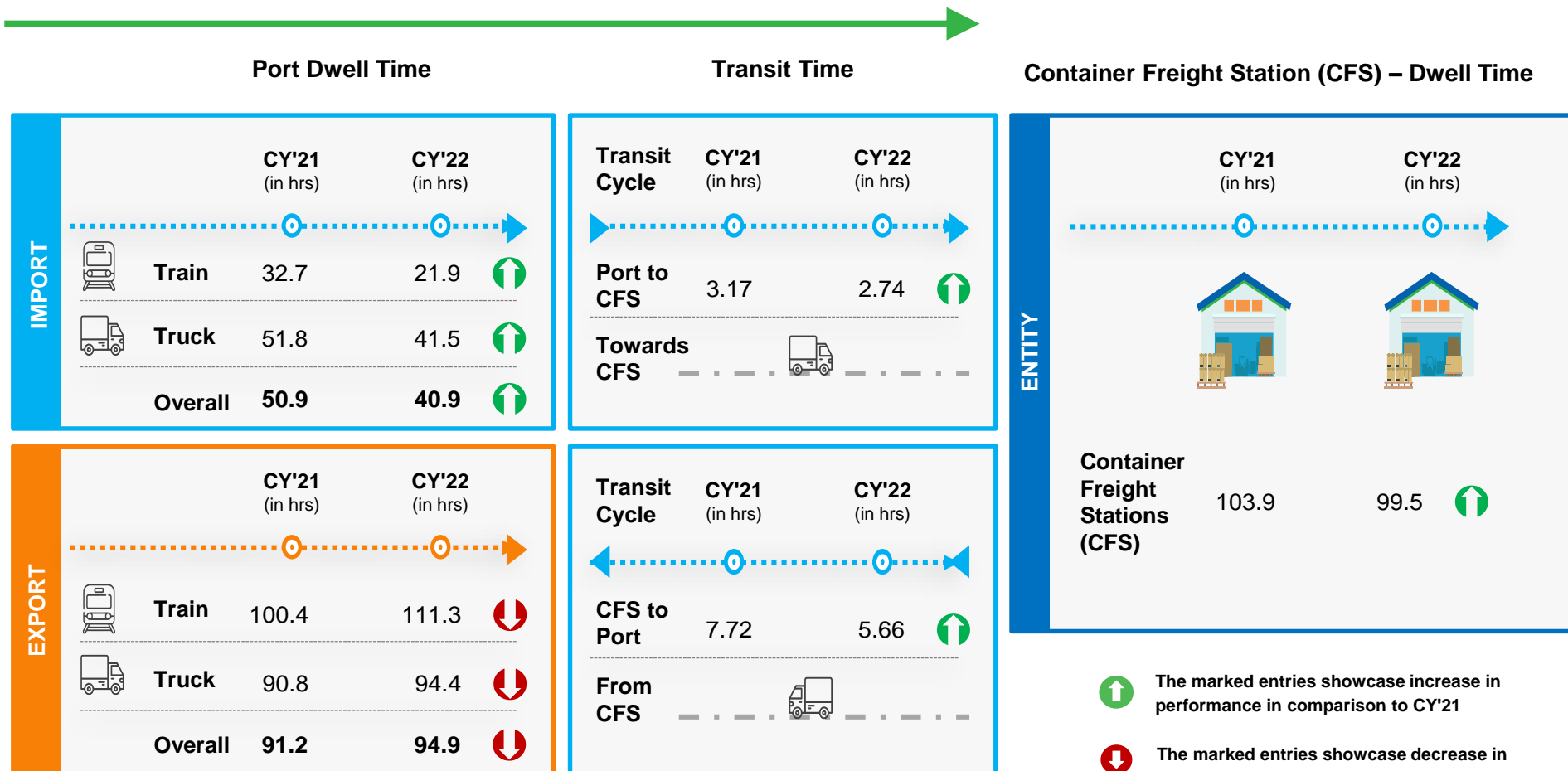


Individual Terminal
Performance In

Southern Corridor

Chennai Port Terminal: Container Transportation

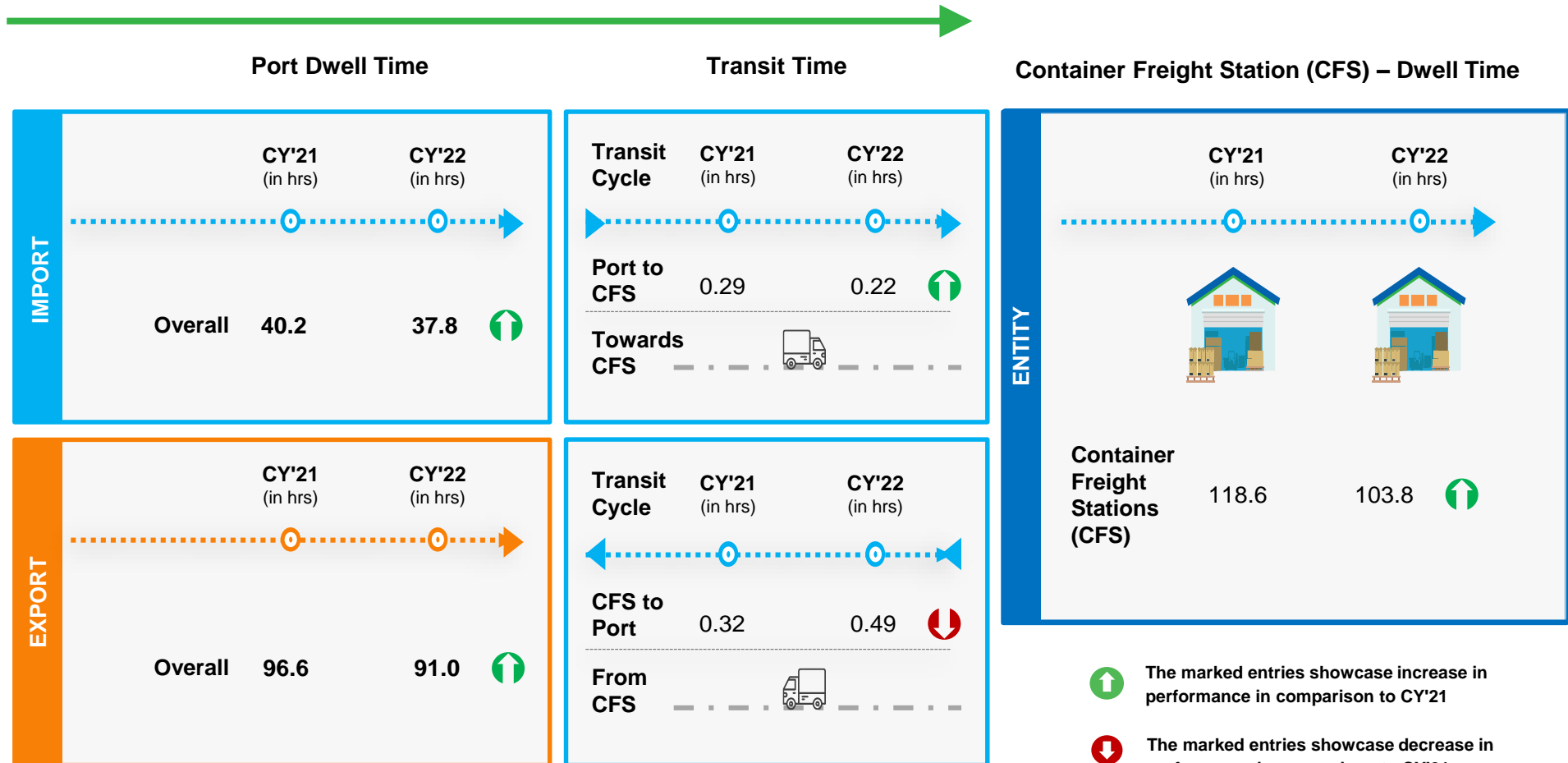
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kochi Port Terminal: Container Transportation

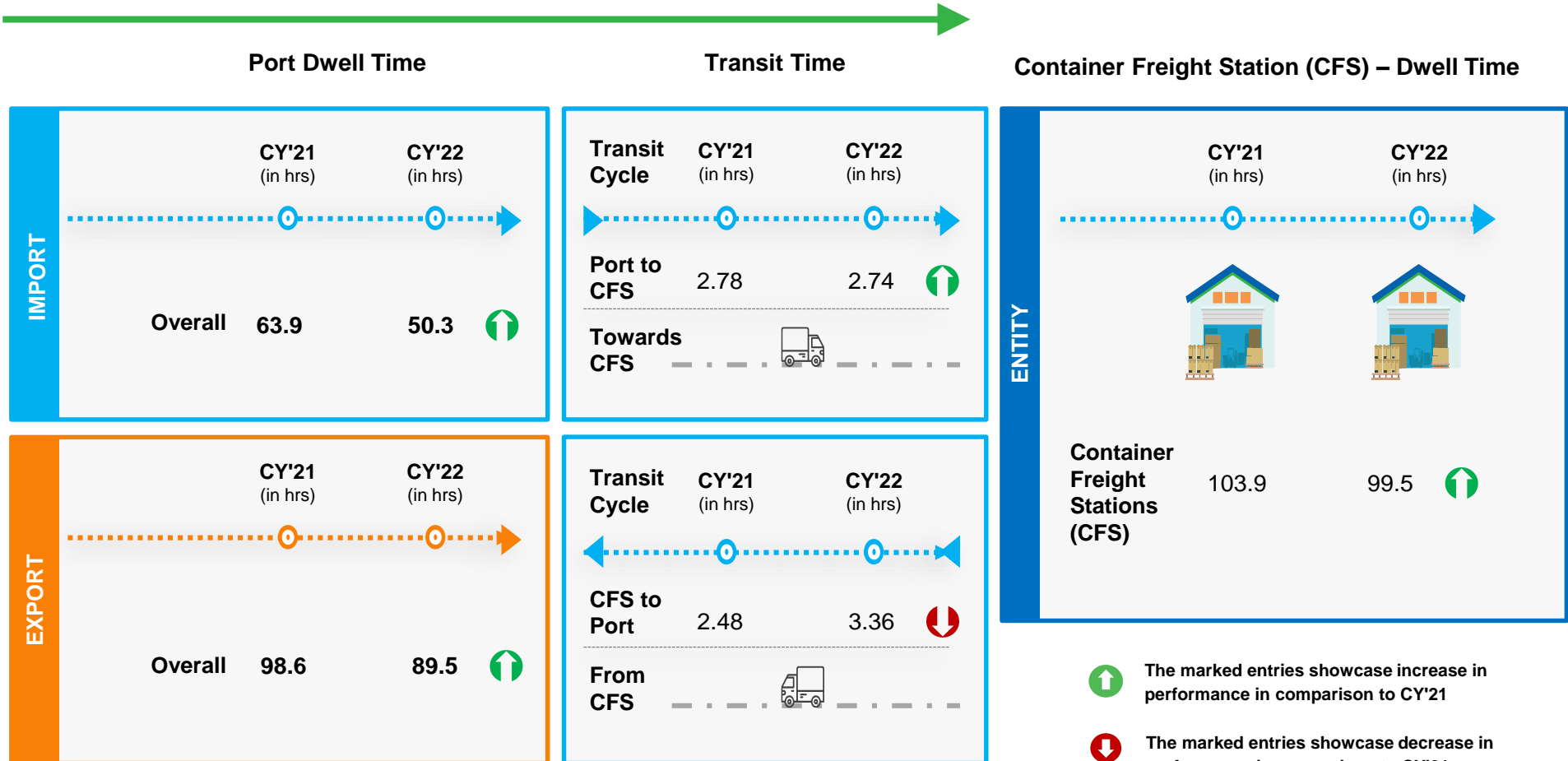
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kattupalli Port Terminal: Container Transportation

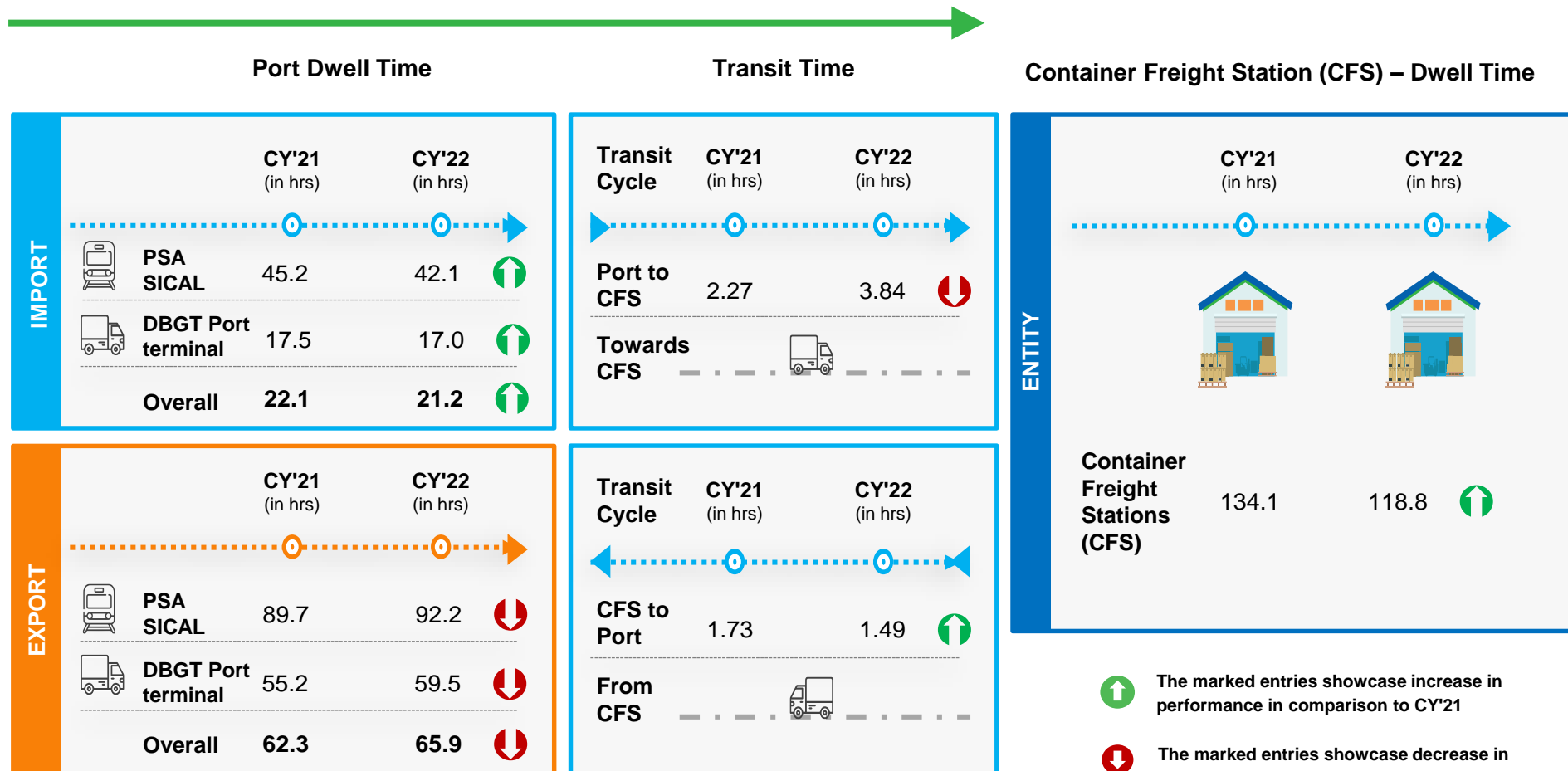
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



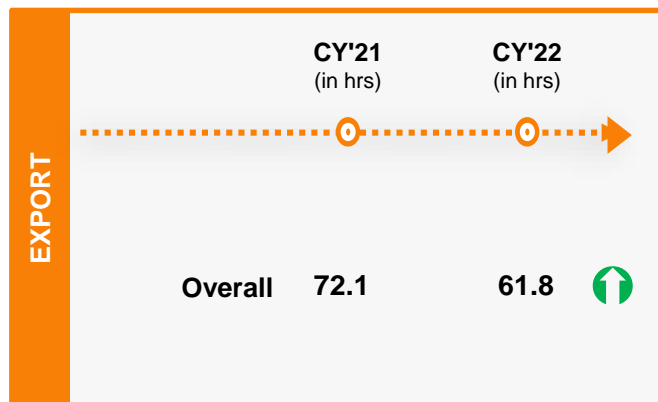
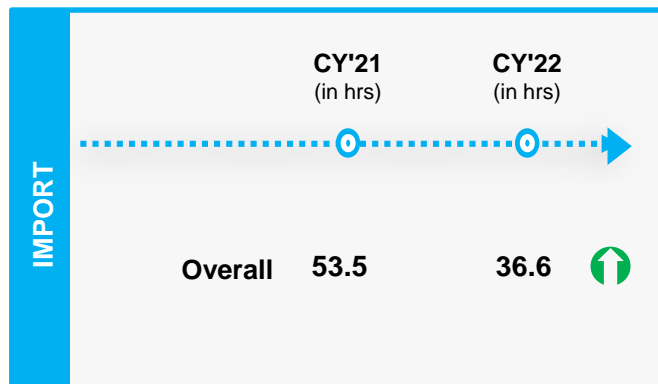
Container Lifecycle (Export Cycle)

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



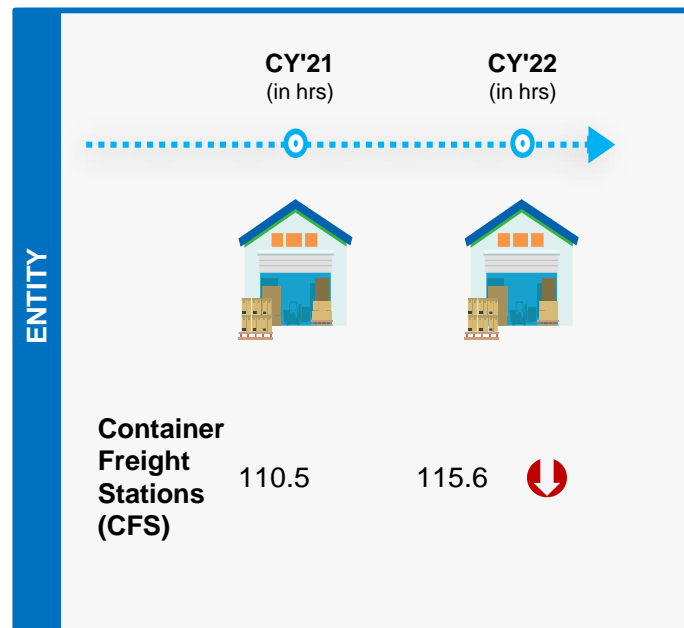
Port Dwell Time



Container Lifecycle (Export Cycle)



Container Freight Station (CFS) – Dwell Time



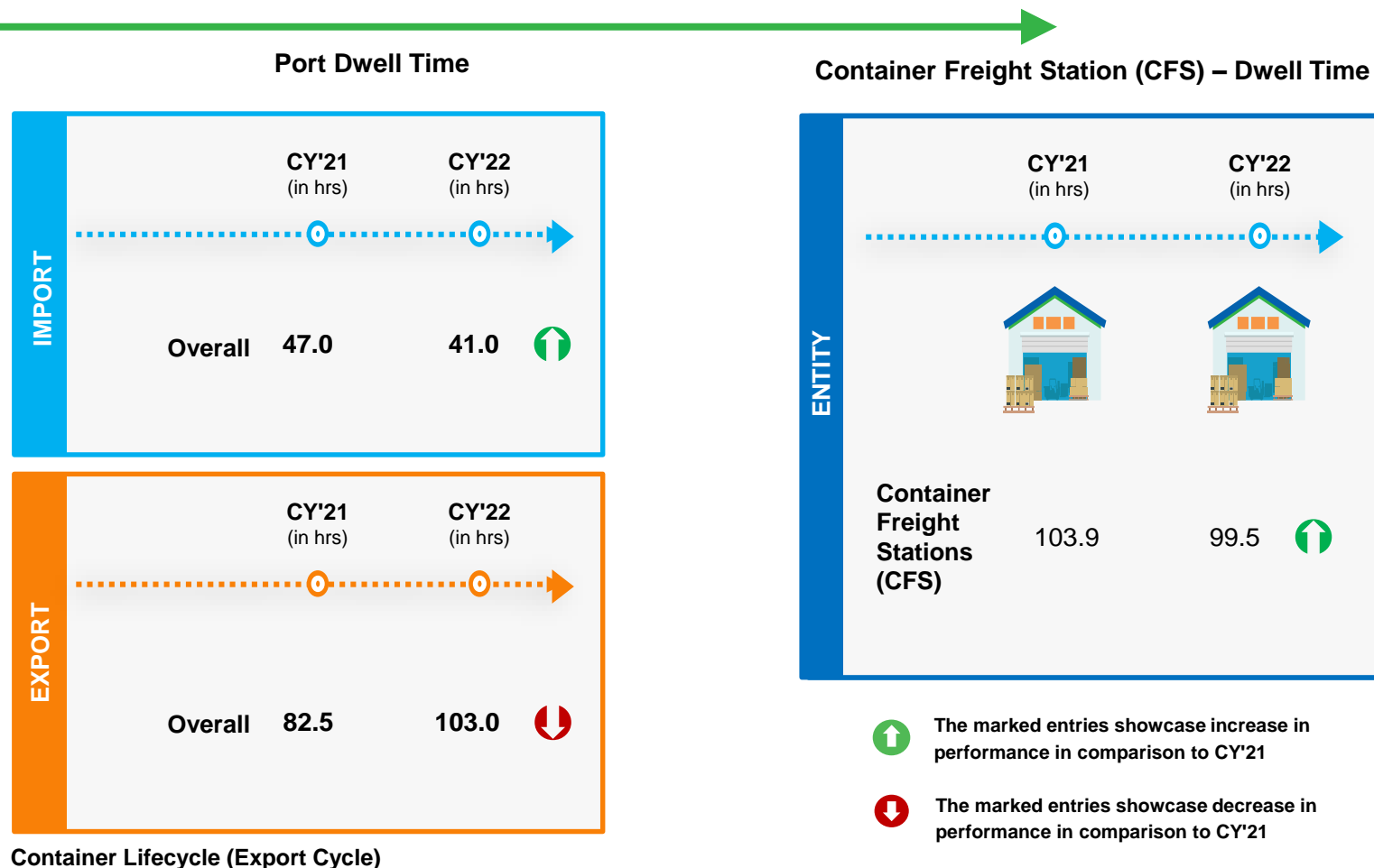
The marked entries showcase increase in performance in comparison to CY'21



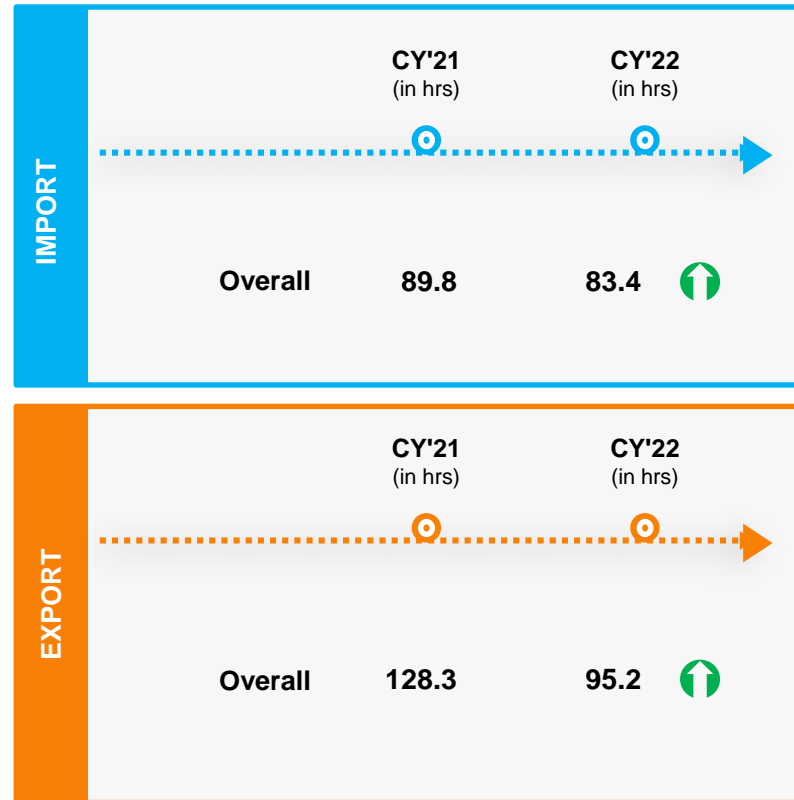
The marked entries showcase decrease in performance in comparison to CY'21

Ennore Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Port Dwell Time



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



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

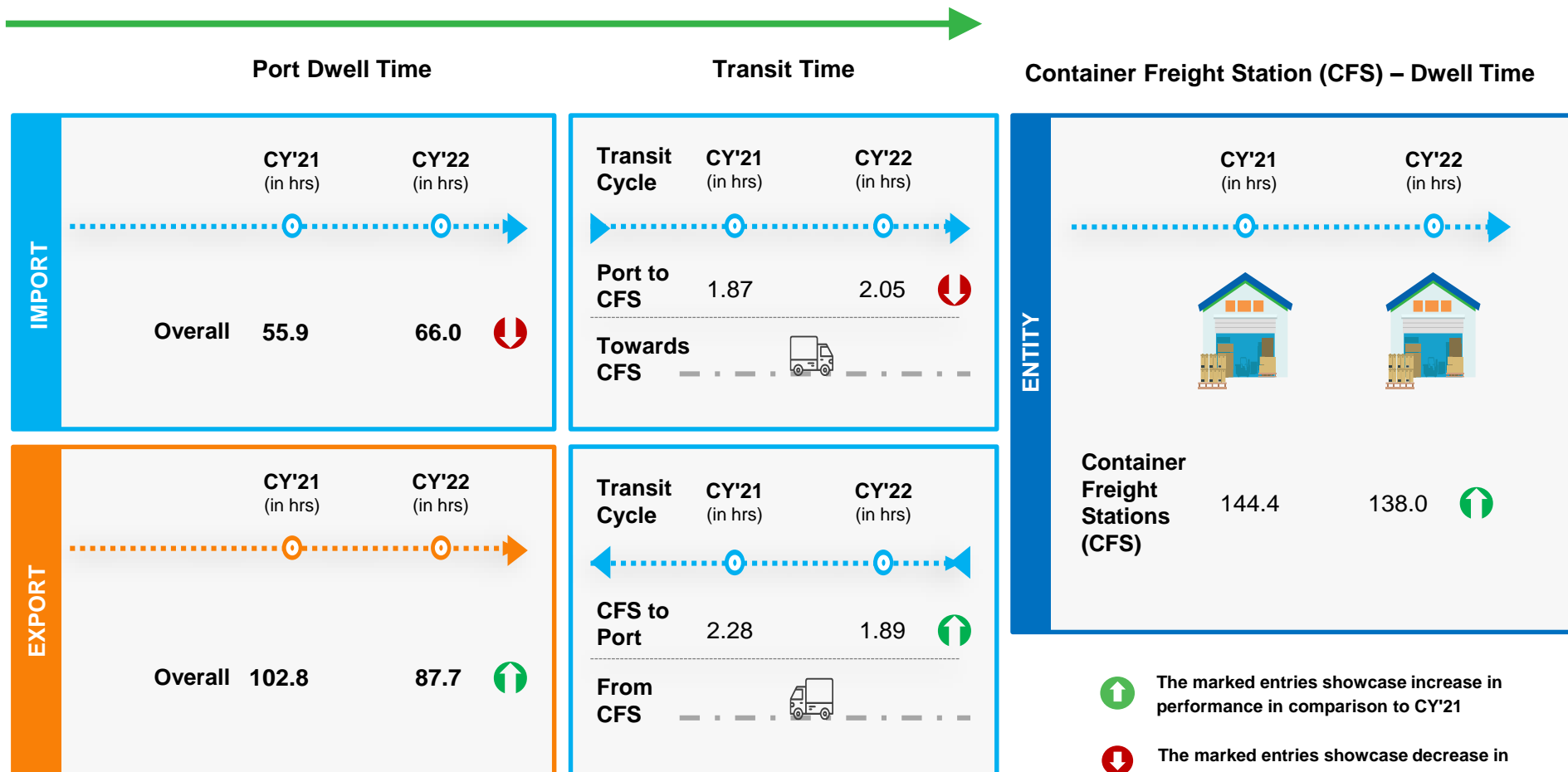


Individual Terminal Performance In Eastern Corridor



Vishakhapatnam Port Terminal: Container Transportation

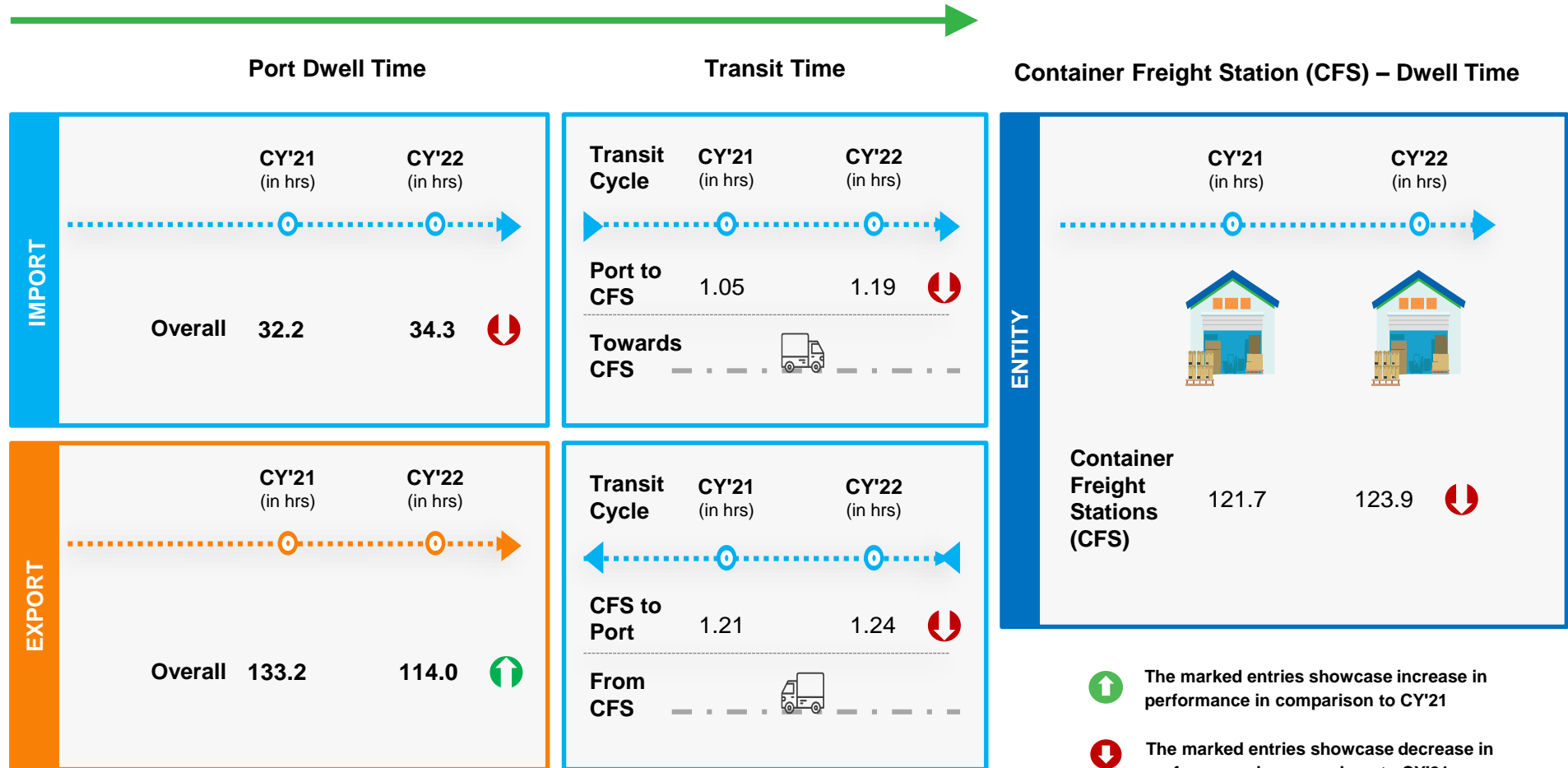
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation

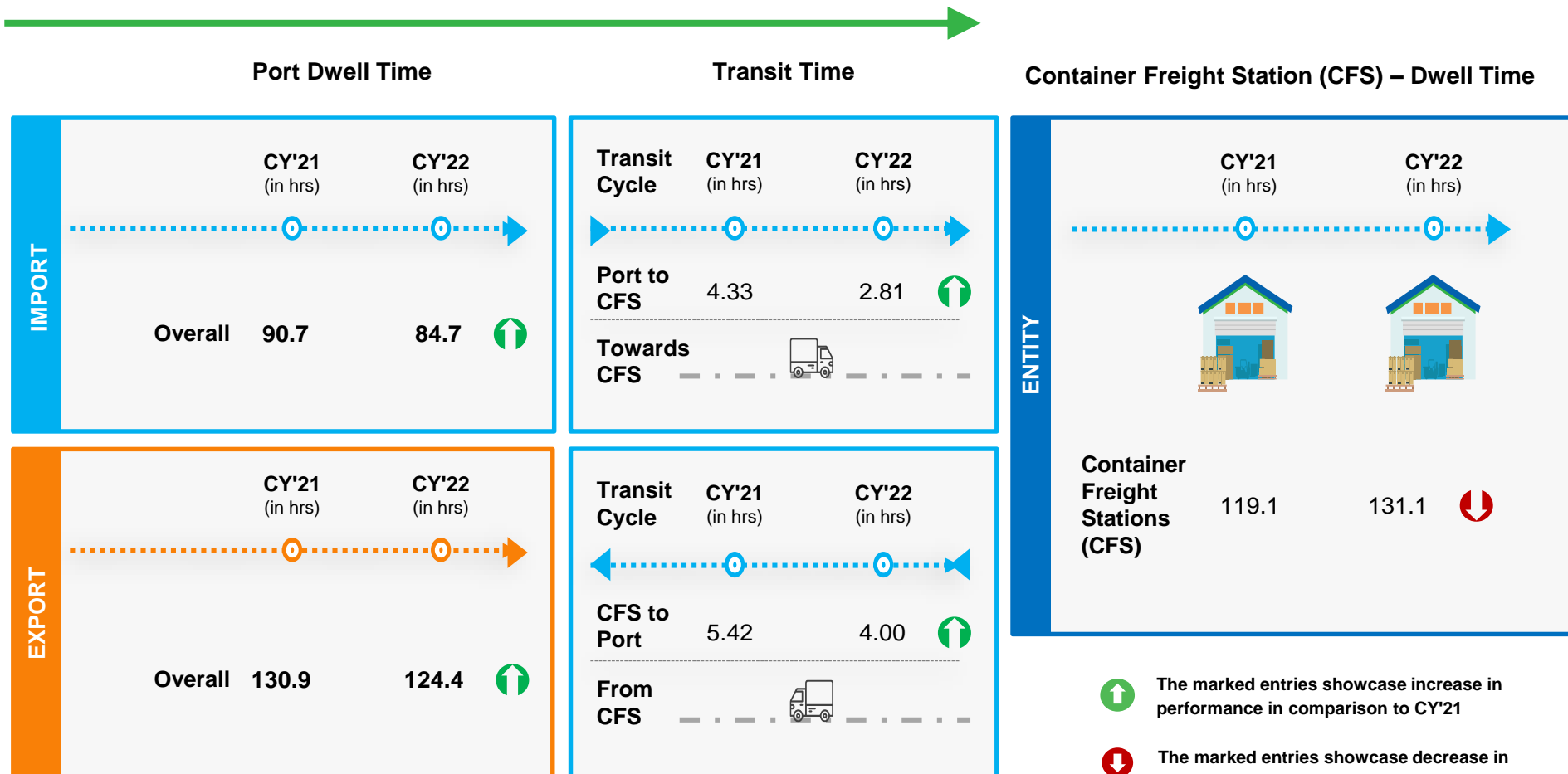
Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Haldia Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

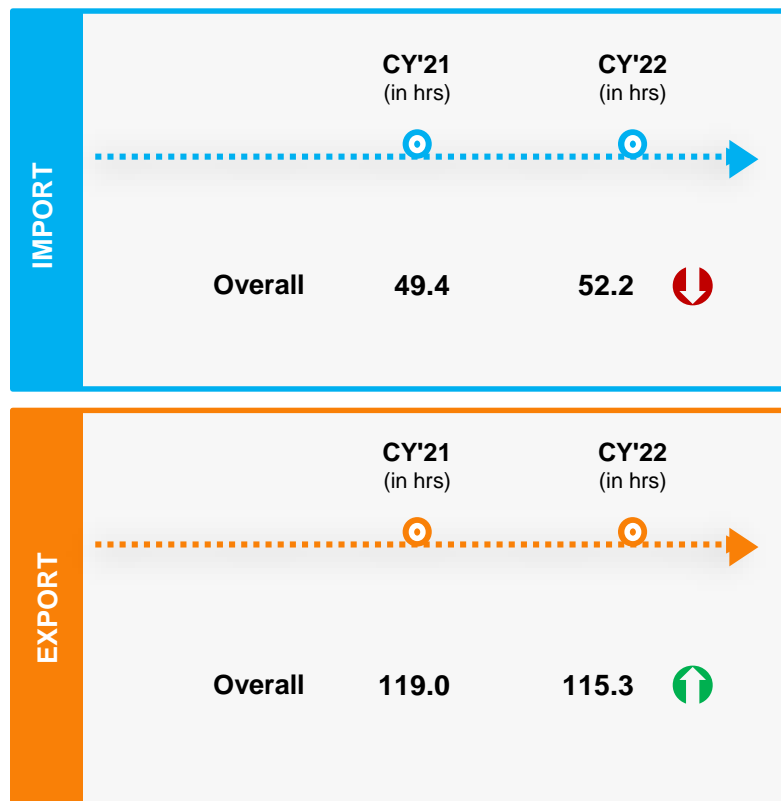


Container Lifecycle (Export Cycle)



Individual Terminal Performance In Western Corridor

Port Dwell Time



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

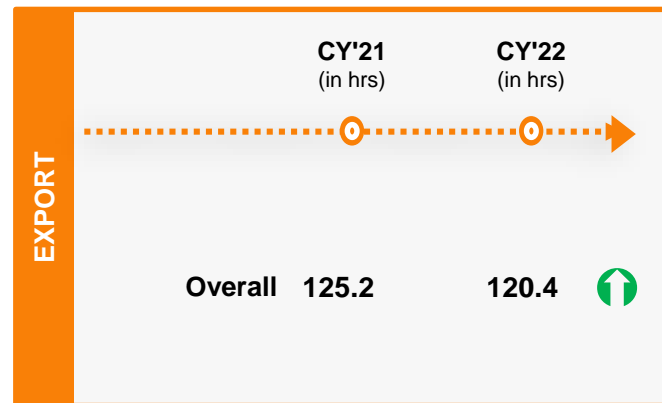
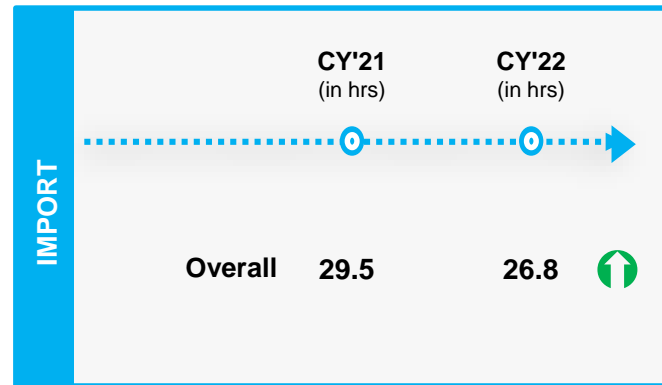
↓ The marked entries showcase decrease in performance in comparison to CY'21

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



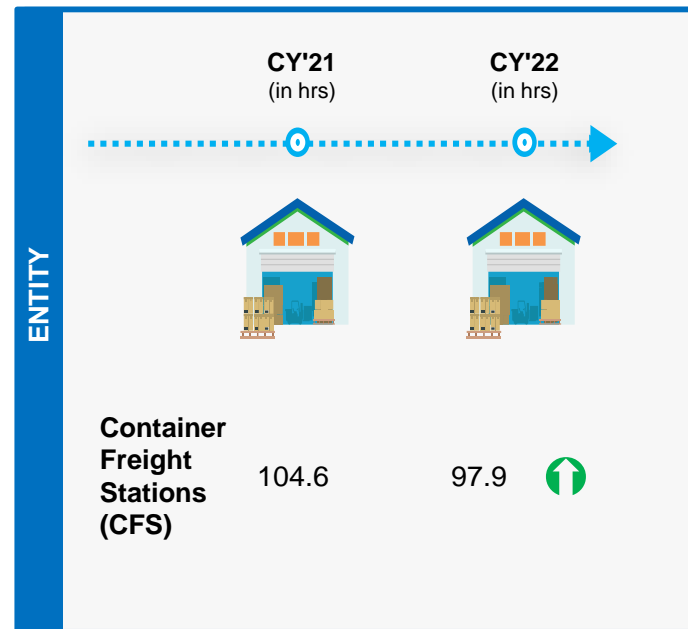
Port Dwell Time



Container Lifecycle (Export Cycle)



Container Freight Station (CFS) – Dwell Time



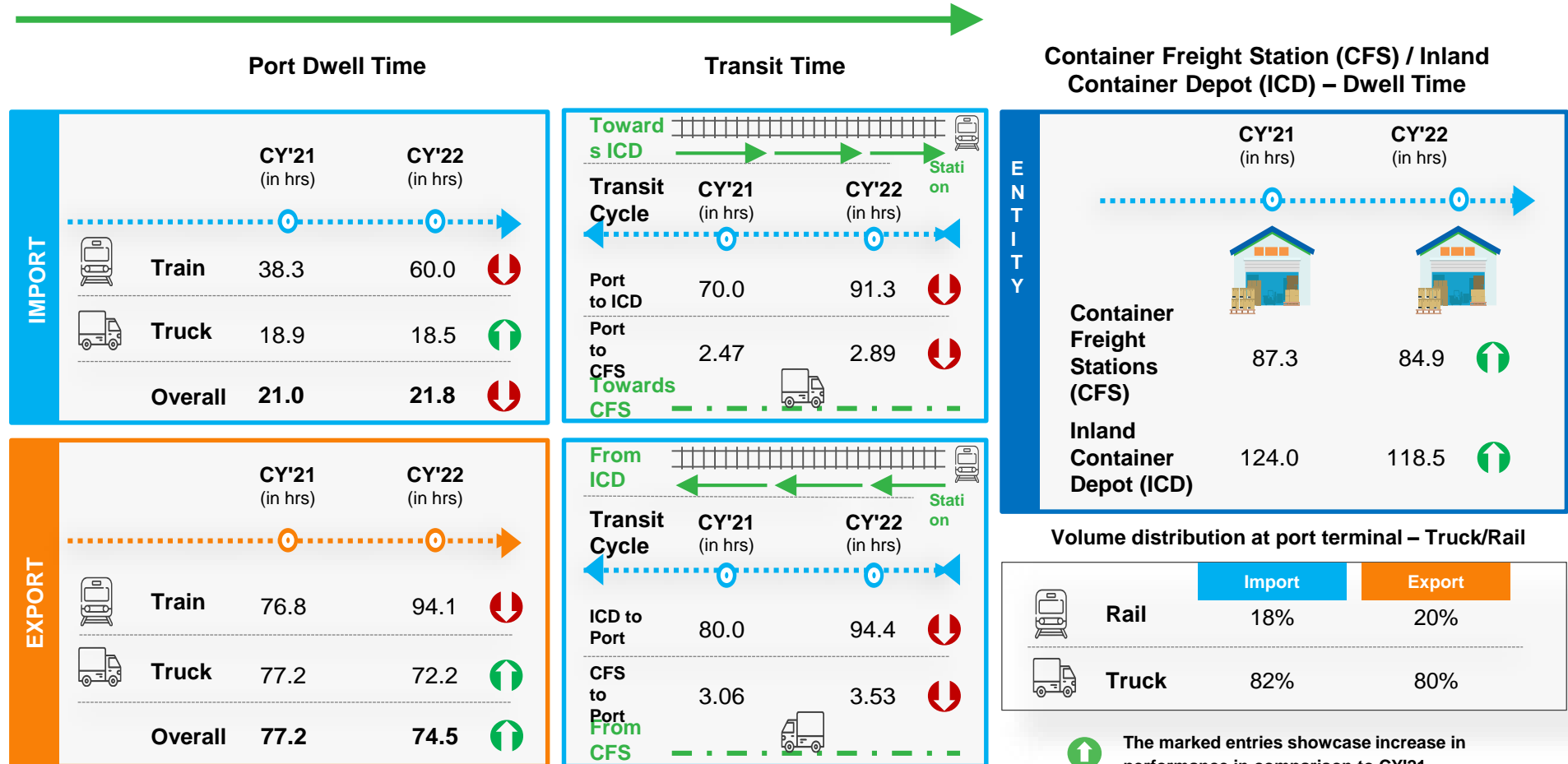
The marked entries showcase increase in performance in comparison to CY'21



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

JNPA Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

JNPA Port Terminal: Container Transportation

IMPORT CYCLE DWELL TIME (CY'22 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	21.8	3.7%	↓
	Port Dwell Time for Truck Bound Containers	18.5	2.4%	↑
	Port Dwell time for Train Bound Containers	60.0	56.7%	↓
	Port Dwell time Direct Port Delivery (DPD) containers	30.5	19.5%	↑
	Port Dwell time Containers bound for CFS	16.9	2.4%	↑
	Port Dwell for Empty Containers	30.2	7.1%	↓
	Port Dwell for Laden Containers	20.1	1.9%	↓
Transit time	Port to ICD	91.3	30.4%	↓
	Port to CFS	2.89	17.1%	↓
EXPORT CYCLE DWELL TIME (CY'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	74.5	3.5%	↑
	Port Dwell Time for Truck Bound Containers	72.2	6.5%	↑
	Port Dwell time for Train Bound Containers	94.1	22.5%	↓
	Port Dwell time Direct Port Entry (DPE) containers	83.7	1.5%	↓
	Port Dwell time Containers bound from CFS	71.2	8.0%	↑
	Port Dwell for Empty Containers	64.3	6.1%	↑
	Port Dwell for Laden Containers	77.1	2.2%	↑
Transit time	ICD to Port	94.4	17.9%	↓
	CFS to Port	3.53	15.1%	↓

Compared to CY'21

Compared to CY'21

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

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	CY'21 (in hrs)	CY'22 (in hrs)
Overall Parking Plaza	5.73	5.57

Container Handled: Day wise (CY'22)

Parking Plaza	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPA Central Parking Plaza	9%	24%	36%	21%	6%	4%

Parking Plaza Gate Out – Terminal In

Mode	CY'21 (in hrs)	CY'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.31	1.39

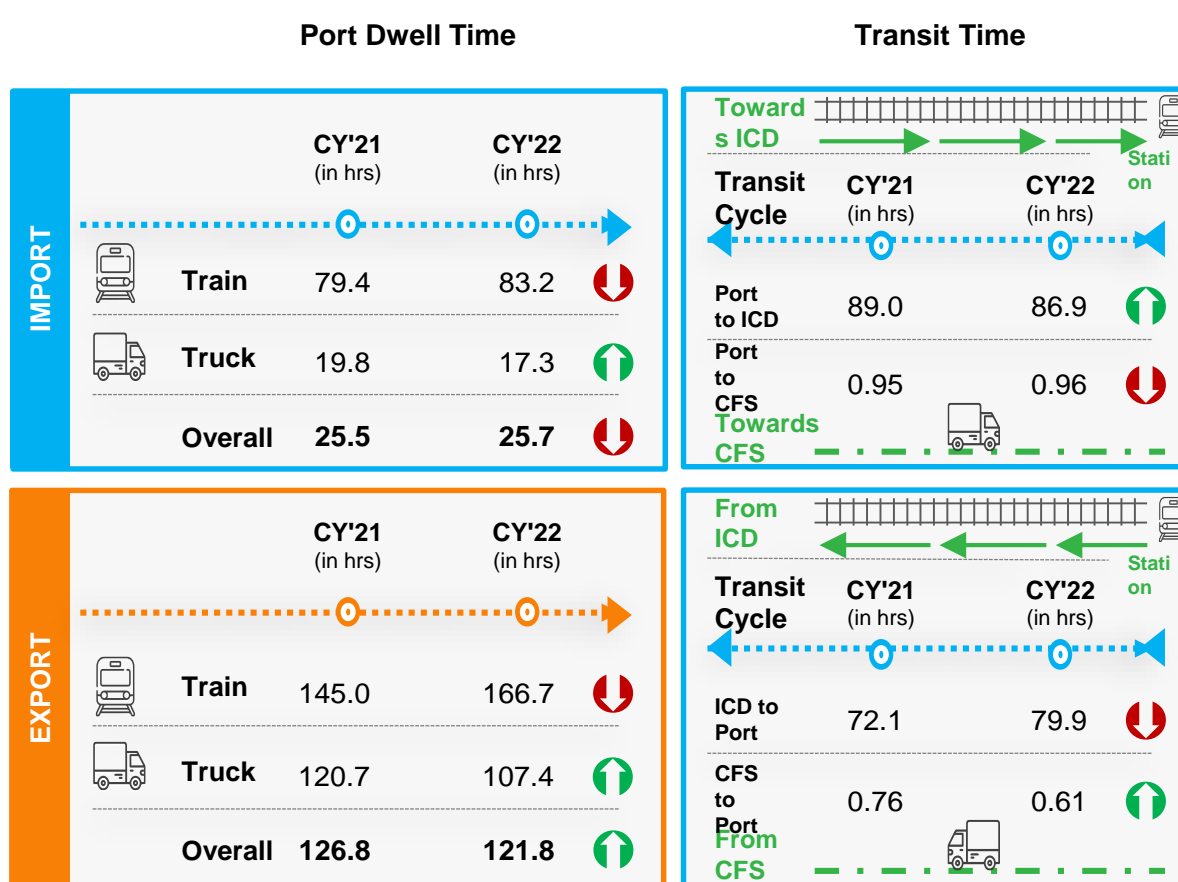
Port	CY'21 (in hrs)	CY'22 (in hrs)
JNPCT	1.4	1.1
NSICT	1.0	1.1
GTI	1.2	0.9
NSIGT	1.2	0.9
BMCT	2.5	3.5

Container Handled: Day wise (CY'22)

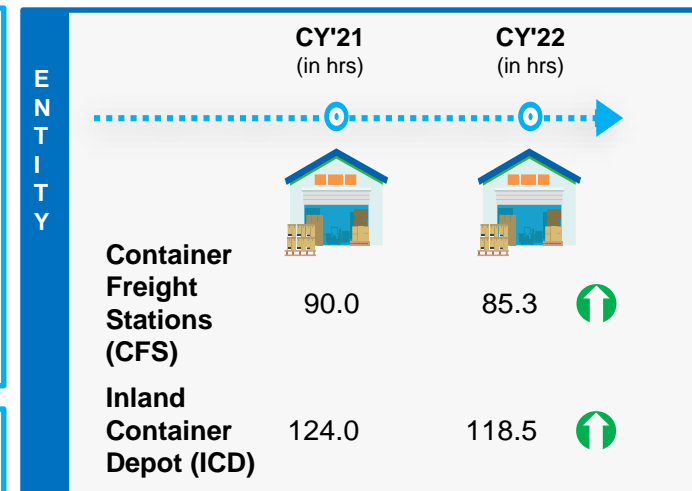
Parking Plaza	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPCT	75%	14%	6%	3%	1%	0%
NSICT	69%	19%	8%	3%	1%	0%
GTI	81%	15%	2%	1%	0%	0%
NSIGT	76%	17%	4%	1%	1%	1%
PSA	22%	37%	32%	8%	1%	0%

Mundra Port Terminal: Container Transportation

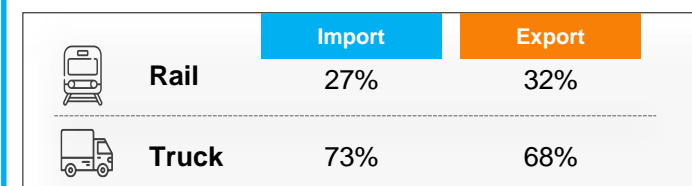
Container Lifecycle (Import Cycle)



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 CY'21



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

Container Lifecycle (Export Cycle)



Mundra Port Terminal: Container Transportation

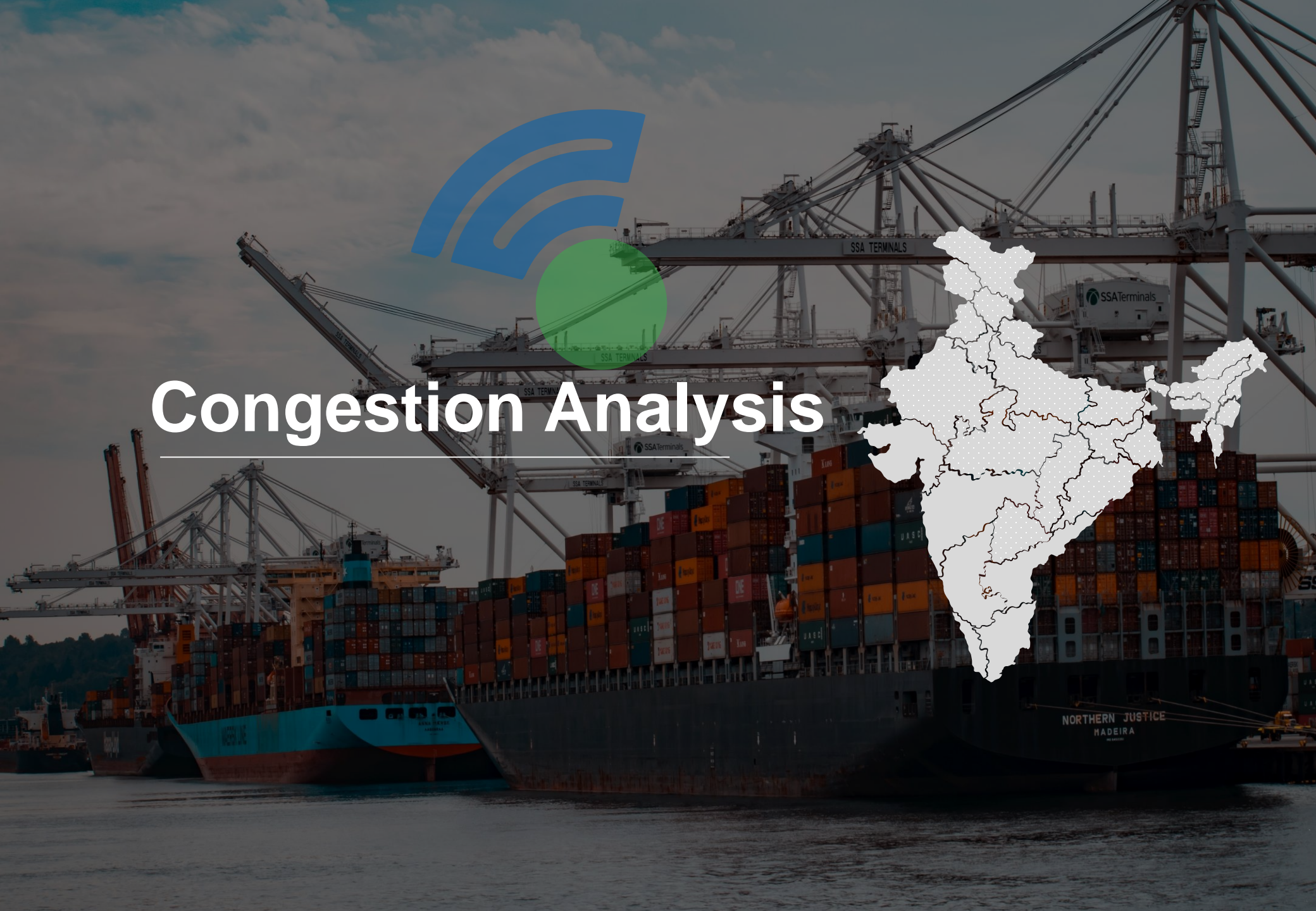
IMPORT CYCLE DWELL TIME (CY'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	25.7	0.9%	↓
	Port Dwell Time for Truck Bound Containers	17.3	12.4%	↑
	Port Dwell time for Train Bound Containers	83.2	4.8%	↓
Transit time	Port to ICD	86.9	2.3%	↑
	Port to CFS	0.96	0.6%	↓
EXPORT CYCLE DWELL TIME (CY'22– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	121.8	3.9%	↑
	Port Dwell Time for Truck Bound Containers	107.4	11.0%	↑
	Port Dwell time for Train Bound Containers	166.7	15.0%	↓
Transit time	ICD to Port	79.9	10.9%	↓
	CFS to Port	0.61	19.3%	↑

Compared to CY'21

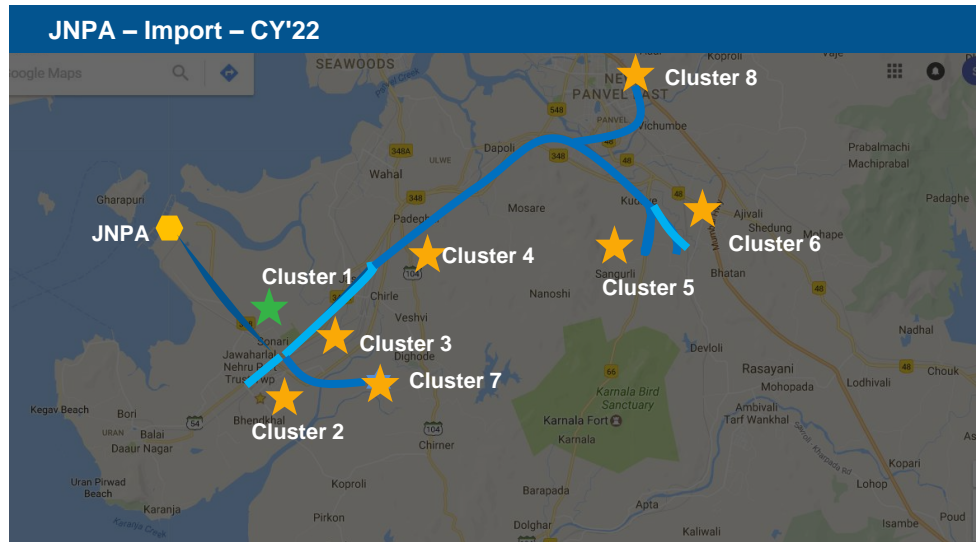


 The arrows depict increase/decrease in performance of the stakeholders in comparison to CY'21

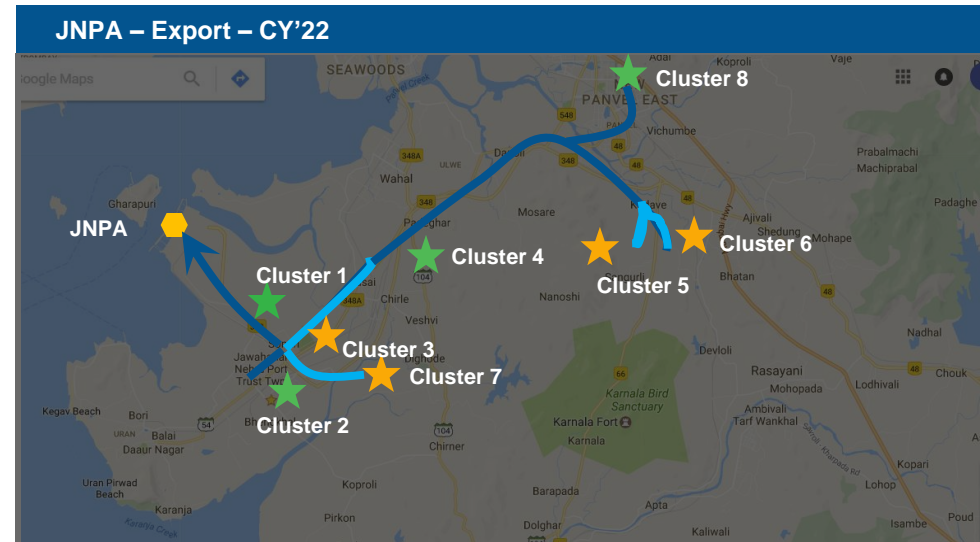
Congestion Analysis



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

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

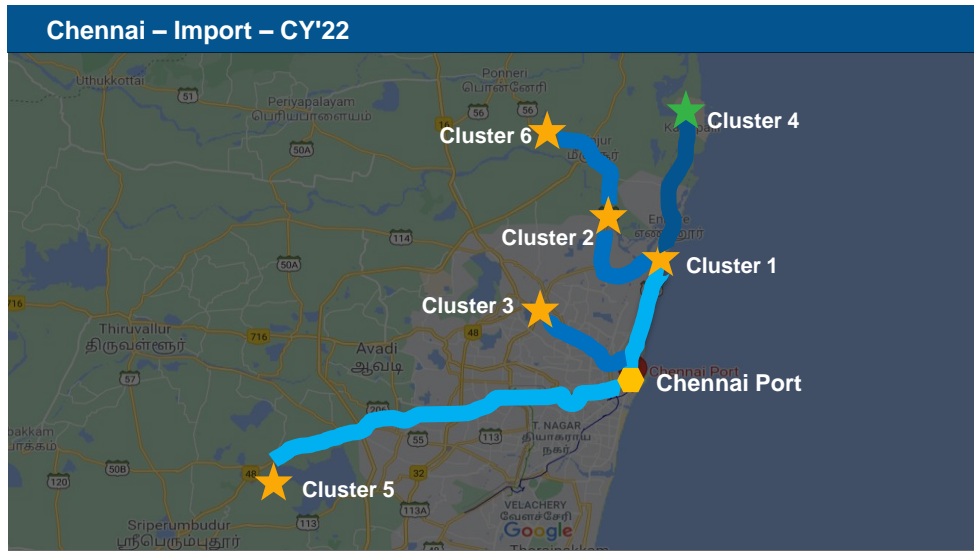


Clusters with bottleneck	
Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

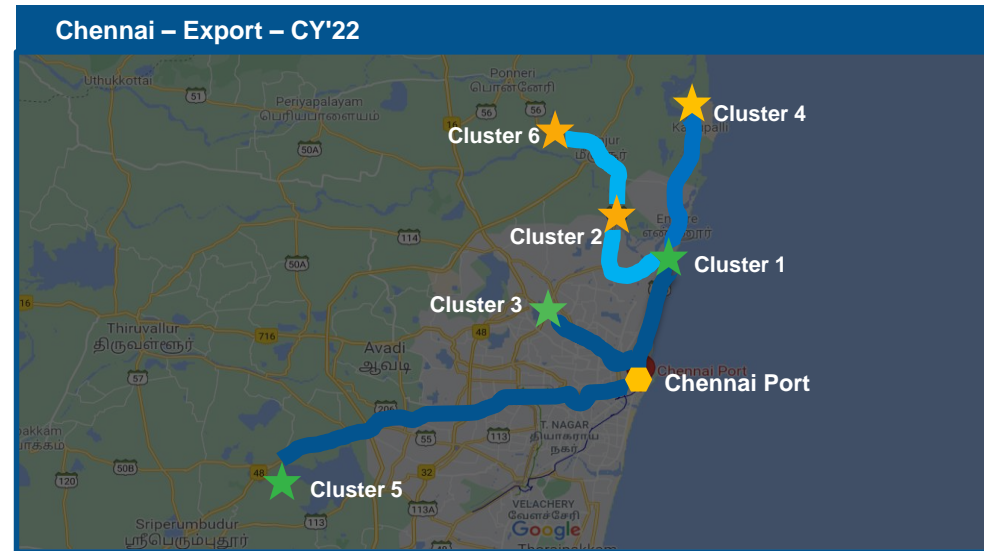
Legends

■ 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

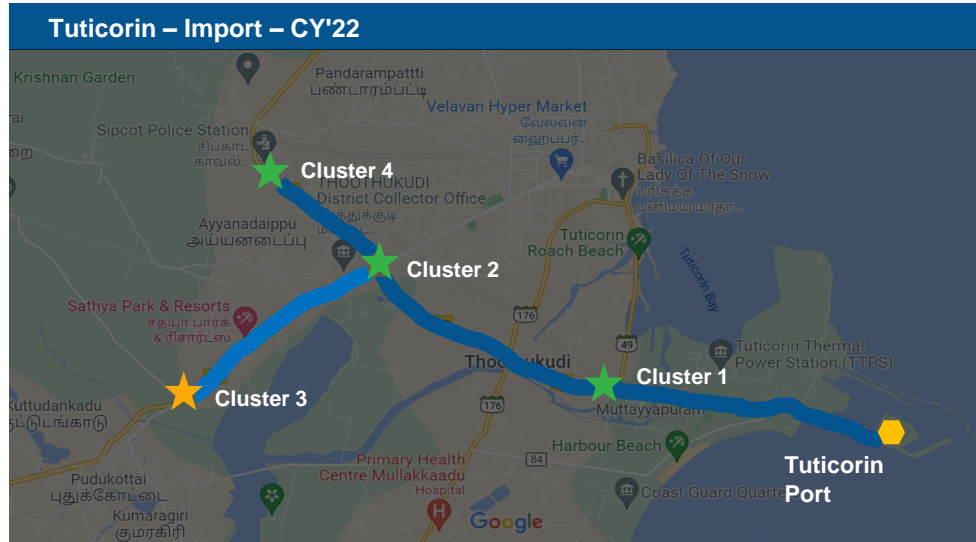


Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 3	Chennai central area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 4	Kattupalli port bound area
Cluster 6	Thiruvallur Outer city bound area

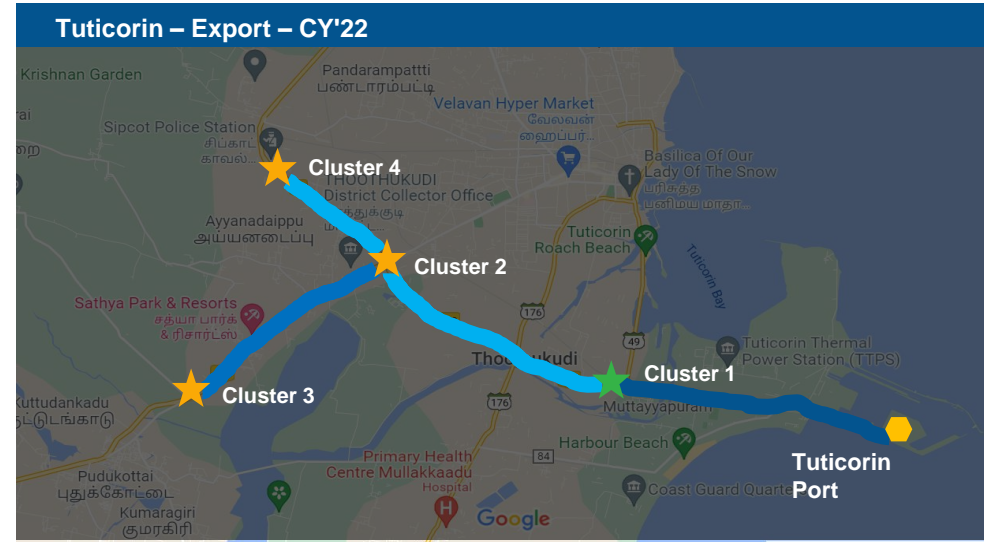
Legends

■ 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	Perianayagapuram, Thoothukudi near by Madurai road
Cluster 4	Sipcot area near by Madurai road
Clusters without bottleneck	
Cluster 3	Tirunelveli road near by Podukottai

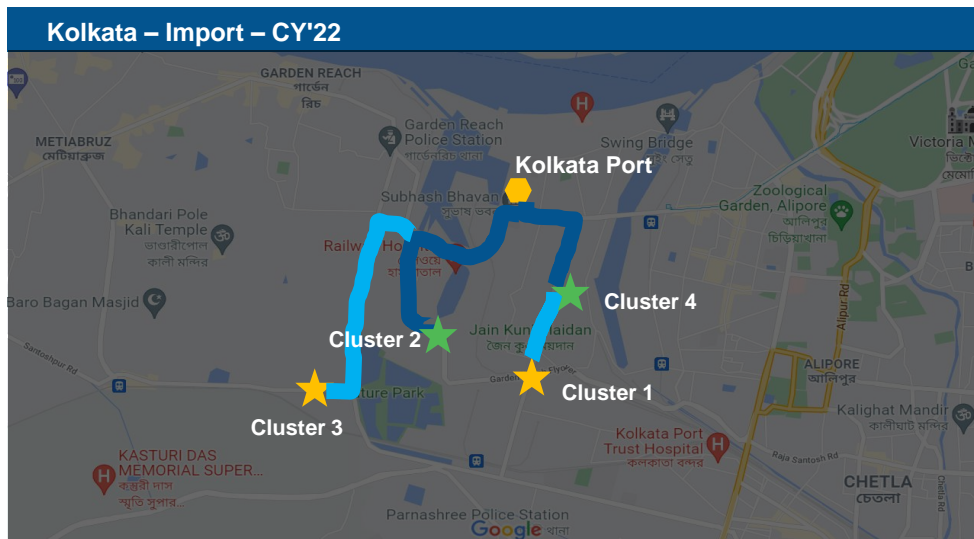


Clusters with bottleneck	
Cluster 1	Near by VOC road
Clusters without bottleneck	
Cluster 2	Perianayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

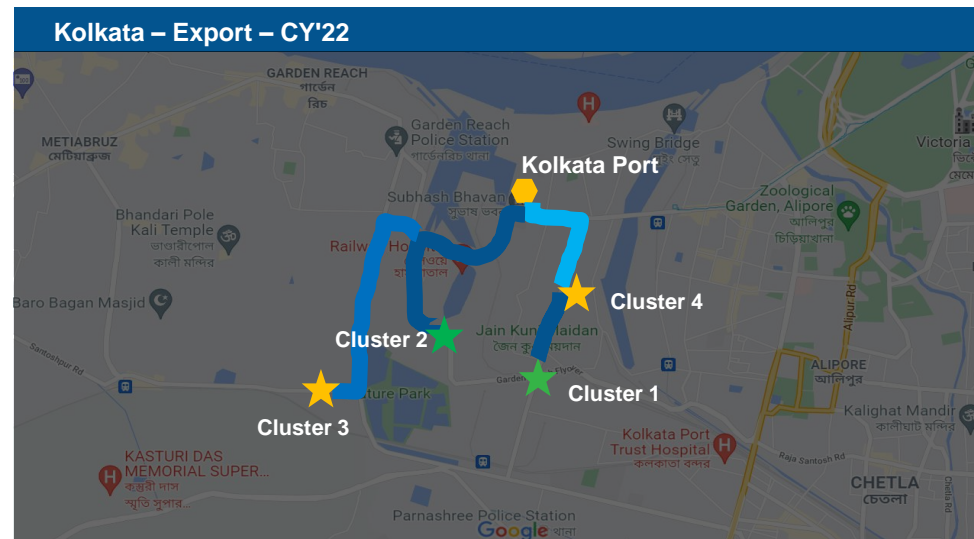
Legends

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

Kolkata Region: Congestion Analysis



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

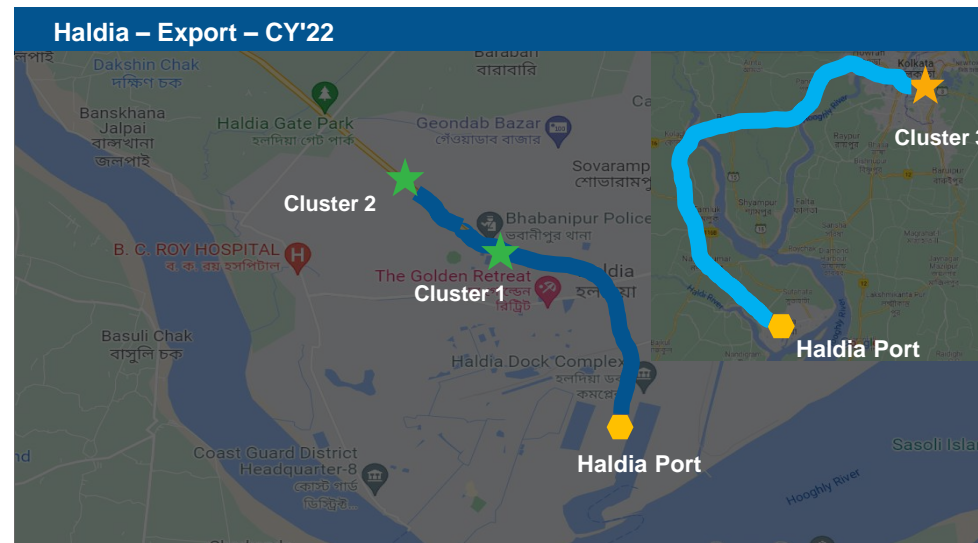
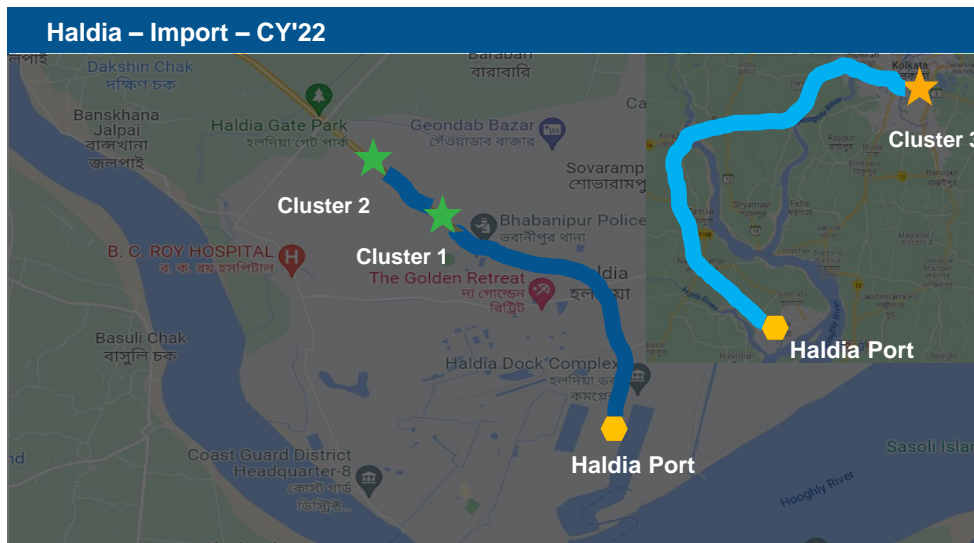


Clusters with bottleneck	
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Clusters without bottleneck	
Cluster 3	Nature park area
Cluster 4	Babu bazar area

Legends

- High Congestion (thick blue line)
- Medium Congestion (medium blue line)
- Low Congestion (thin 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

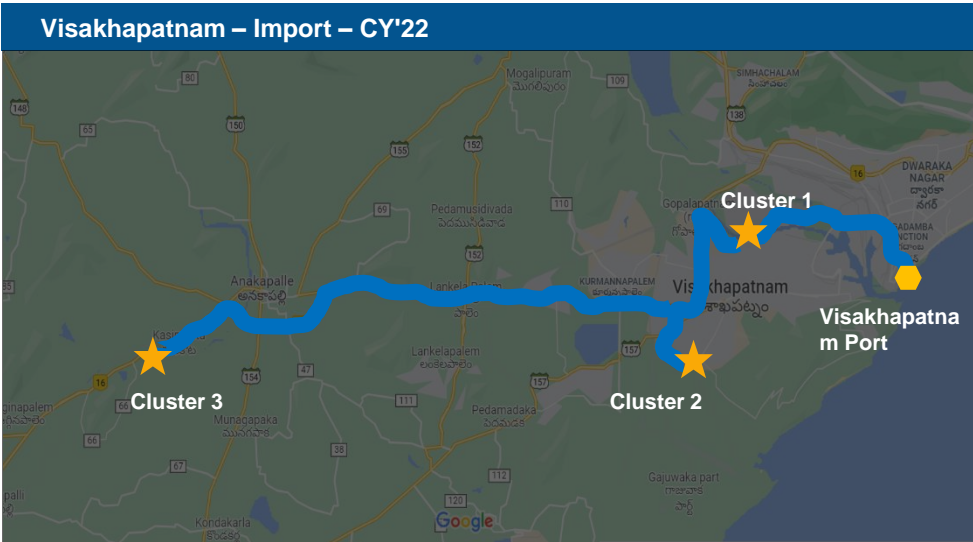
Clusters without bottleneck

Cluster 3	Silpodanga area
-----------	-----------------

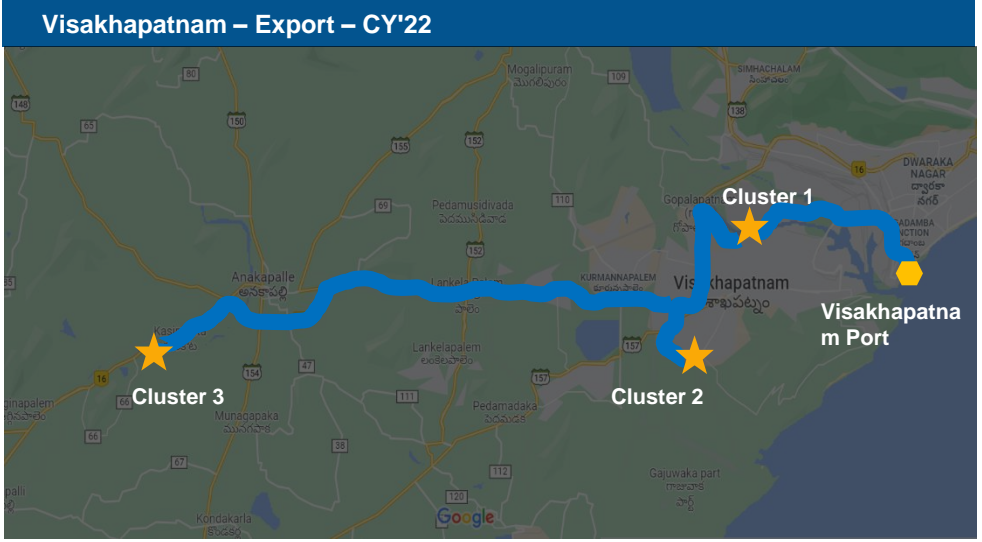
Legends

■ 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

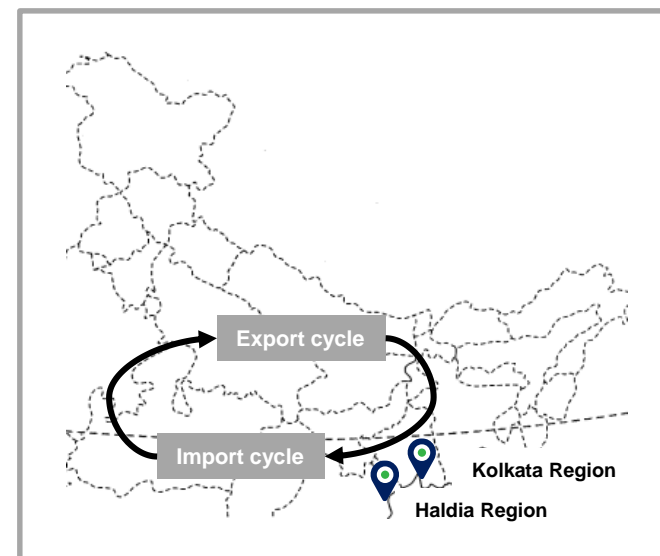


Transit movement across ICPs

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

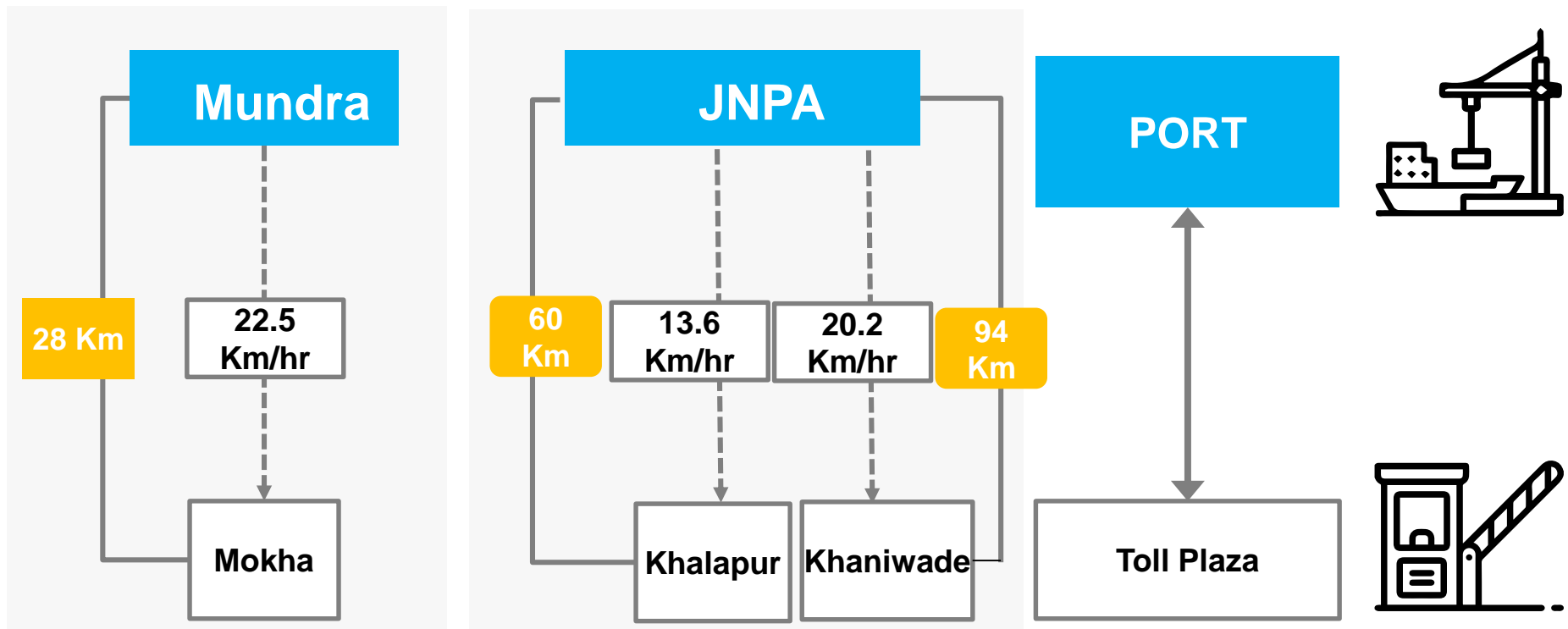
Import Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	88.7 hrs
	Road	121.6 hrs
	Rail	74.8 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	88.7 hrs

Export Cycle	Kolkata Port Terminal	
	Mode	ICP Raxaul
	Overall	442.9 hrs
	Road	348.0 hrs
	Rail	447.4 hrs
	Haldia Port Terminal	
	Mode	ICP Raxaul
	Overall	637.8 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/hr)	
				CY'21	CY'22
Western	Hazira	Boriach	77	-	5.1
Eastern	KOPT(Kolkata)	Dankuni	24	2.4	2.5
	HICT(Haldia)	Debra	100	5.6	7.4
		Jaladhulagori	101	8.0	7.6
Southern	Chennai	Surapattu	18	2.4	-
		Nallur	23	1.7	1.7
	Kochi	Kumbalam	13	0.8	0.7
		GIPL Palayekara	71	9.5	10.8
	NMPT (New Manglore)	Brahamarakotlu	25	2.9	1.9
		Talapady	22.5	1.5	2.1
		Gundmi	68	5.4	4.8
	Kattupalli	Surapattu	36	6.5	-
		Nallur	33	3.0	3.6
	Ennore	Surapattu	35	3.4	-
	Tuticron	VoCPT CheckPost1	4.3	12.6	14.4

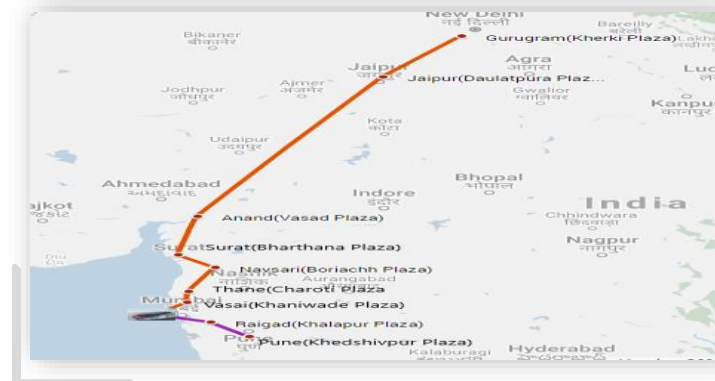
The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

Western Corridor Toll Plaza Analysis

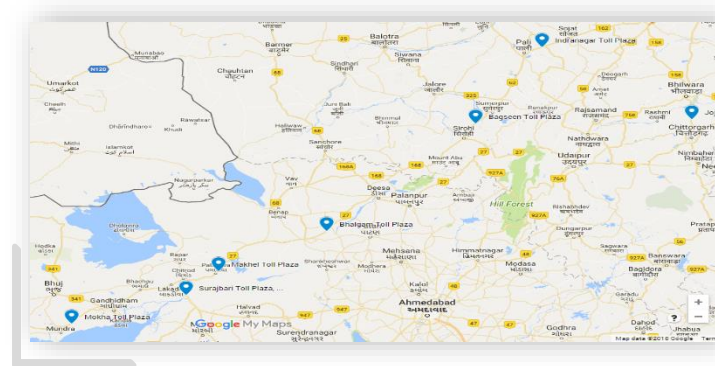
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	CY'21 (in km/hrs)	CY'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	14.3	20.2
	JNPA	Khalapur	60	10.5	13.6
	Khaniwade	Charoti	50	36.6	37.1
	Charoti	Boriach	126	28.7	27.2
	Boriach	Bharthan	142	32.4	31.8
	Bharthan	Vasad	60	38.5	37.7
MUNDRA	Khalapur	Khedshivpur	105	34.5	33.2
	Mundra	Mokha	28	24.7	22.5
	Mokha	Makhel	150	19.9	25.1
	Mokha	Surajbari	115	25.4	25.9
	Makhel	Bhalgam	108	35.1	33.1

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

Gateway Distriparks CFS, Navi Mumbai	Western	Mundhra CFS, Mundra	Western	St. John Freight Systems Ltd. - ICD Division	Southern
Adani CFS Eximyard, Mundra	Western	Landmark CFS, Mundra	Western	Hind Terminal CFS, Hazira	Western
Saurashtra CFS, Mundra	Western	Dronagiri Rail Terminal CFS, Navi Mumbai	Western	Empezar Logistics CFS	Western
Allcargo Global Logistics CFS, Chennai	Southern	Navkar Corporation Yard 2 CFS, Panvel	Western	Sravan CFS-1	Eastern
Sical CFS, Chennai Tiruvallur Tamil Nadu	Southern	Balmer & Lawrie CFS, Navi Mumbai	Western	Century Plyboards CFS, Sonai	Eastern
Ameya Logistics CFS, Navi Mumbai	Western	Kerry Indev Logistics ICD, Kanchipuram	Southern	Hind Terminals CFS, Chennai	Southern
Continental Warehousing CFS, Navi Mumbai	Western	Ocean Gate CFS, Panvel	Western	Navkar Corporation Yard 1 CFS, Panvel	Western
Speedy Multimode CFS, JNPT	Western	ALS Tuticorin Terminal Private Limited	Southern	Vilsons CFS	Southern
AllCargo Logistics	Western	Punjab Conware CFS, Navi Mumbai	Western	STP Services CFS, Chennai	Southern
JWC Logistics Park CFS	Western	TG Terminals CFS	Western	Maersk Annex (APM)CFS, Navi Mumbai	Western
Navkar Corporation Yard 3 CFS, Panvel	Western	Rishi CFS, Mundra	Western	A V Joshi CFS	Western
Hind Terminals Pvt. Ltd. CFS, Mundra	Western	Vaishno Logistics CFS, Navi Mumbai	Western	VPL Integral CFS	Eastern
MICT CFS, Mundra	Western	Seabird CFS, Hazira	Western	Apm Terminals India CFS, Tiruvallur	Southern
International Cargo Terminals (ULA) CFS, Navi Mumbai	Western	Triway CFS, Chennai	Southern	Hari CFS	Southern
CWC CFS, Mundra	Western	Sattva Hi-Tech And Conware CFS, Chennai	Southern	Chola Logistiks Pvt Ltd	Southern
Gateway Distriparks CFS, Chennai	Southern	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	Southern	Sical Multimodal and Rail Transport Ltd. - CFS Division	Southern
Continental Warehousing Corporation CFS (Nhava Seva), Chennai	Southern	Take Care Logistics CFS	Western	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	Southern
Century Plyboards CFS, JJP	Eastern	Calyx Container Terminal CFS, Chennai	Southern	MIV CFS	Southern
Honey Comb CFS, Mundra	Western	Balmer Lawrie CFS, Chennai	Southern	Thiru Rani Logistics CFS, Tiruvallur	Southern
International Cargo Terminal CFS	Western	GDKL CFS	Southern	VCT CFS	Eastern
Sarveshwar CFS	Western	APM (Maersk India) CFS, Navi Mumbai	Western	Diamond CFS Park	Southern
Allcargo Logistics CFS	Eastern	Maharashtra State Corp CFS	Western	A L Logistics CFS	Eastern
Seabird CFS, Mundra	Western	Sattva Cfs And Logistics CFS, Chennai	Southern	Kerry Indev Logistics Private Limited / Continental Container Freight Station	Southern
Ashutosh CFS, Mundra	Western	Sudharsan Logistics CFS, Chennai	Southern	A.S.Shipping Agencies Pvt Ltd	Southern
TG Terminals CFS, Mundra	Western	CWC Hind Terminal CFS, Navi Mumbai	Western	CWC Impex Park CFS, Navi Mumbai	Western
EFC Logistics India	Western	A S Shipping Agencies CFS, Tiruvallur	Southern	LCL Logistix CFS, Pipavav	Western
Ashte Logistics CFS, Panvel	Western	Raja Agencies CFS	Southern	Prompt Terminals (P) Ltd	Southern
Phonex CFS	Eastern	Kerry Indev Logistics Pvt Ltd CFS	Western	Viking Warehousing CFS, Chennai	Southern
Apollo Logisolutions CFS, Panvel	Western	Gateway East India CFS	Eastern	CWC CFS, Kolkata	Eastern
Ennore Cargo Container Terminal CFS, Chennai	Southern	Glovis India CFS, Kanchipuram	Southern	SICAL CFS	Eastern
Seabird CFS, Navi Mumbai	Western	Balmer Lawrie CFS	Eastern	Gateway Distripark CFS, Krishnapatnam	Southern
Adani CFS, Hazira	Western	Chandra CFS, Tiruvallur	Southern	Seabird CFS, Krishnapatnam	Southern
Sanco Trans CFS, Chennai	Southern	Transworld CFS, Mundra	Western		
Kailash Shipping Services CFS, Chennai	Southern	Continental Warehousing Corporation Nhava Sheva Ltd.	Southern		

Annexure – Western Region

List of CFS name used in CFS Performance Index

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

List of ICD name used in ICD Performance Index

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

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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



THANK YOU