Logistics Databank Analytics Report

January 2022

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Index

Section 01

Report Inference

This sections depicts the inference and major highlights of the report

Section 02

Annexure

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

PAN INDIA Performance Snapshot: January 2022 (Dwell Time)

Hazira
Import	Export
27.8 hrs	140.6 hrs

Pipavav
Import	Export
60.0 hrs	123.8 hrs

Mundra
Import	Export
23.2 hrs	132.1 hrs

Mumbai
Import	Export
19.7 hrs	78.1 hrs

Kandla
Import	Export
48.4 hrs	140.4 hrs

Tuticorin
Import	Export
20.5 hrs	67.7 hrs

Kochi
Import	Export
37.3 hrs	105.7 hrs

New Mangalore
Import	Export
77.4 hrs	131.0 hrs

Krishnapatnam
Import	Export
16.2 hrs	55.3 hrs

Kolkata
Import	Export
32.0 hrs	128.3 hrs

Vishakhapatnam
Import	Export
77.8 hrs	89.3 hrs

Haldia
Import	Export
67.6 hrs	150.8 hrs

Chennai
Import	Export
53.4 hrs	102.6 hrs

Ennore
Import	Export
48.5 hrs	105.7 hrs

Kattupalli
Import	Export
57.7 hrs	97.5 hrs

Ports/Regions

W — Western Corridor

E — Eastern Corridor

S — Southern Corridor

Port Dwell Time Performance – Western Corridor (Import Cycle)

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

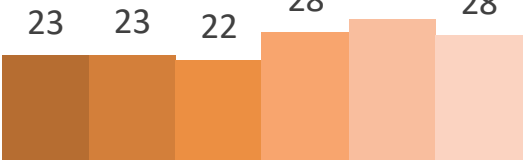# Port Dwell Time Performance – Western Corridor (Export Cycle)

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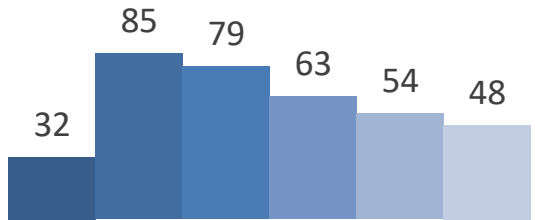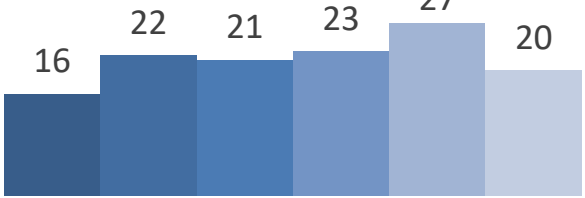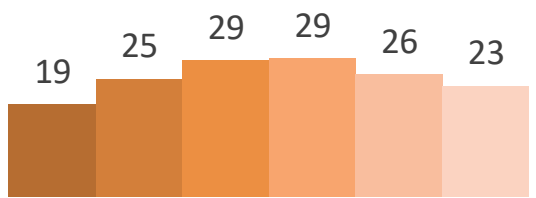
Western Corridor

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
97	97	93	94	91	98

Port - Wise

Hazira

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
136	120	119	123	120	141

Kandla

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
129	121	105	95	133	140

JNPT

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
80	81	76	78	72	78
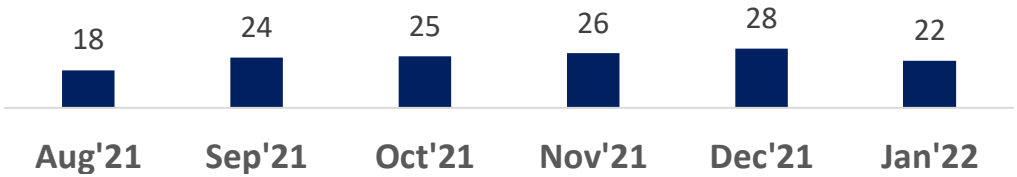
Mundra

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
120	124	119	117	118	132

■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

JNPT - Terminal

Terminal	Aug'22	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
JNPCT	75	86	76	77	67	78
NSICT	64	64	59	55	52	62
GTI	82	81	78	84	80	85
NSIGT	99	94	84	89	95	92
BMCT	70	73	60	65	59	70
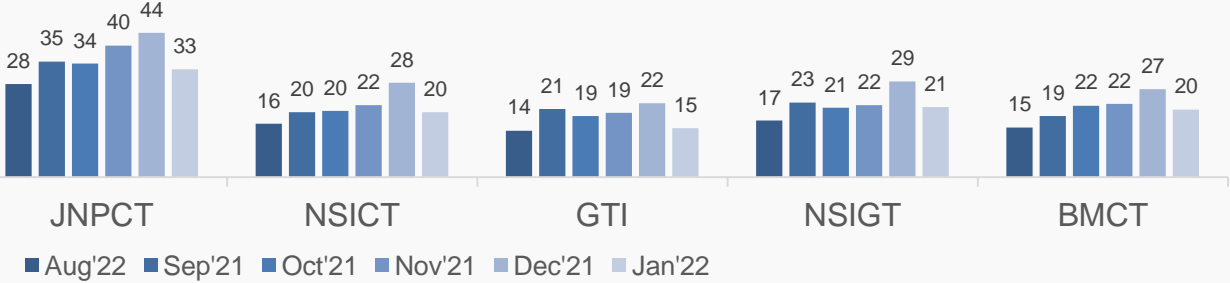
■ Aug'22 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Mundra - Terminal

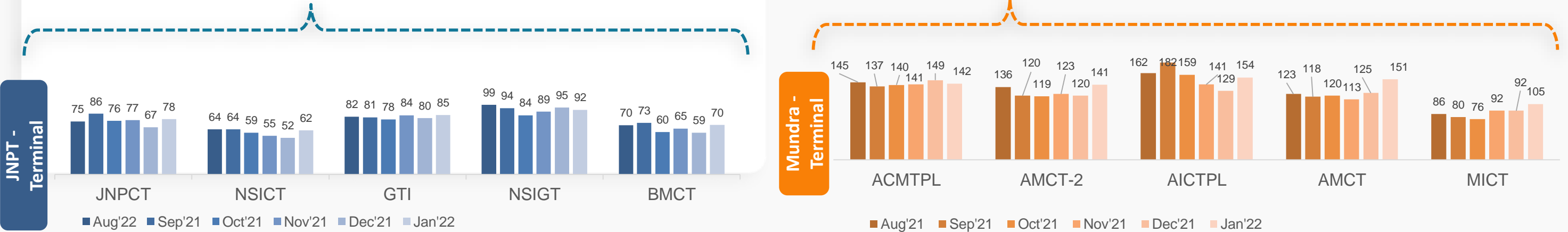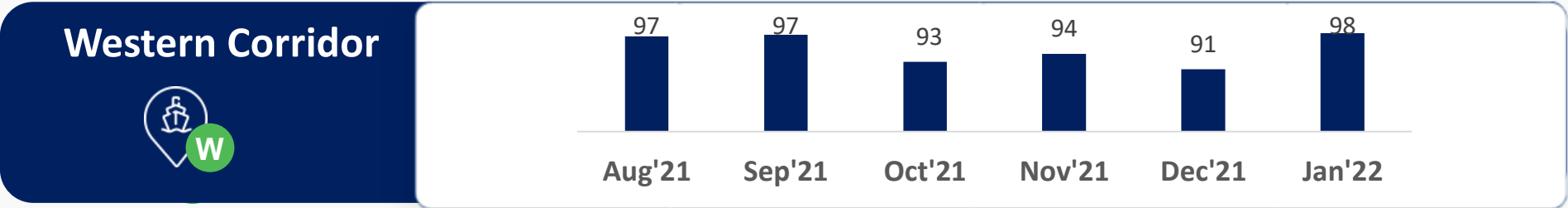| Terminal	Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
ACMTPL	145	137	140	141	149	142
AMCT-2	136	120	119	123	120	141
AICTPL	162	182	159	141	129	154
AMCT	123	118	120	113	125	151
MICT	86	80	76	92	92	105

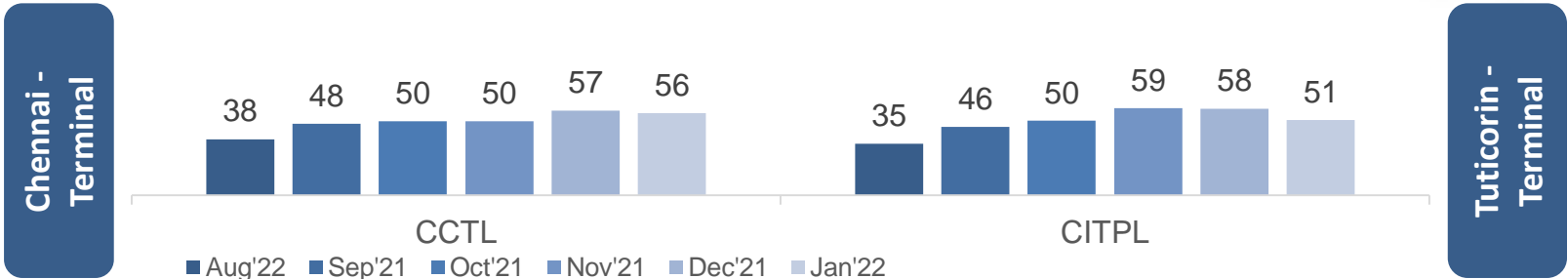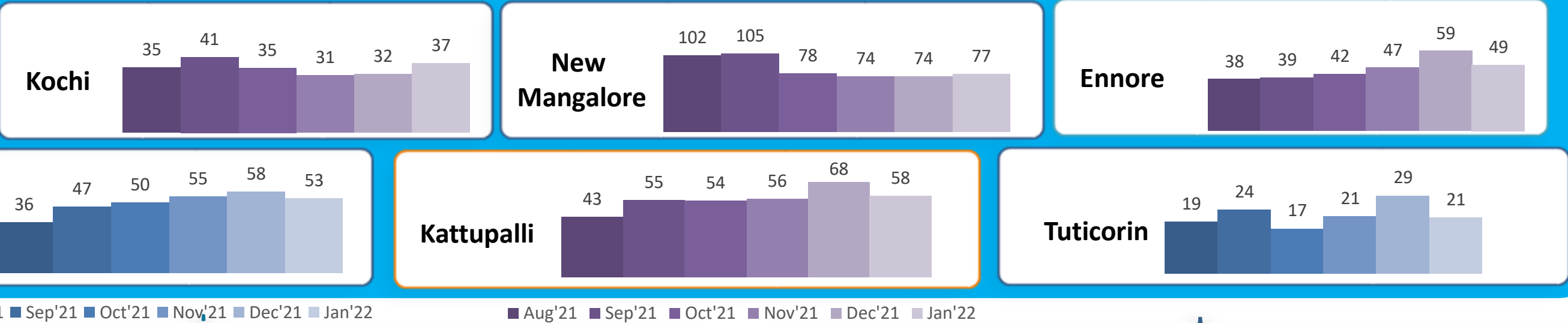■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

Southern Corridor

	Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
	34	41	40	44	50	45

Port - Wise

Kochi

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
35	41	35	31	32	37

New Mangalore

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
102	105	78	74	74	77

Ennore

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
38	39	42	47	59	49

Chennai

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
36	47	50	55	58	53

Kattupalli

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
43	55	54	56	68	58

Tuticorin

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
19	24	17	21	29	21

■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22   ■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Chennai - Terminal

CCTL

Aug'22	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
38	48	50	50	57	56

CITPL

Aug'22	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
35	46	50	59	58	51

■ Aug'22 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Tuticorin - Terminal

DGBT

Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
15	19	13	18	26	16

PSA-Sical

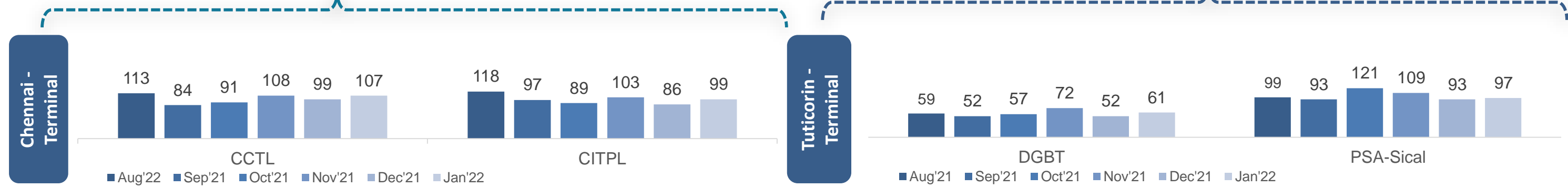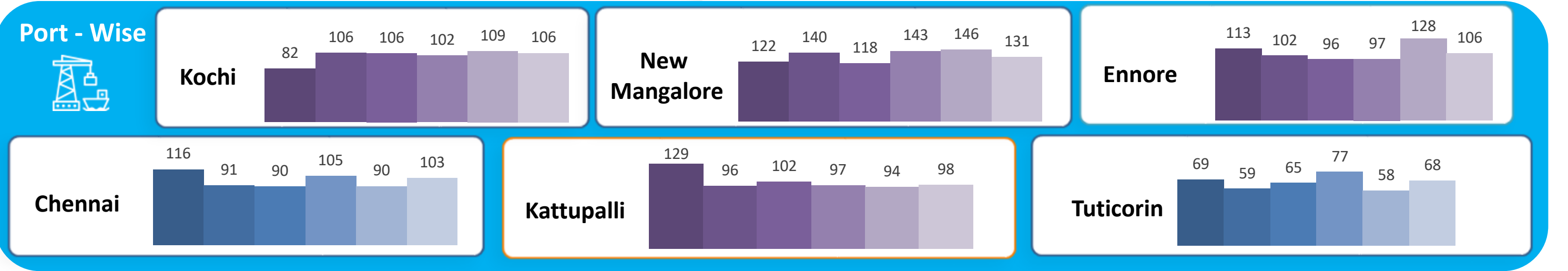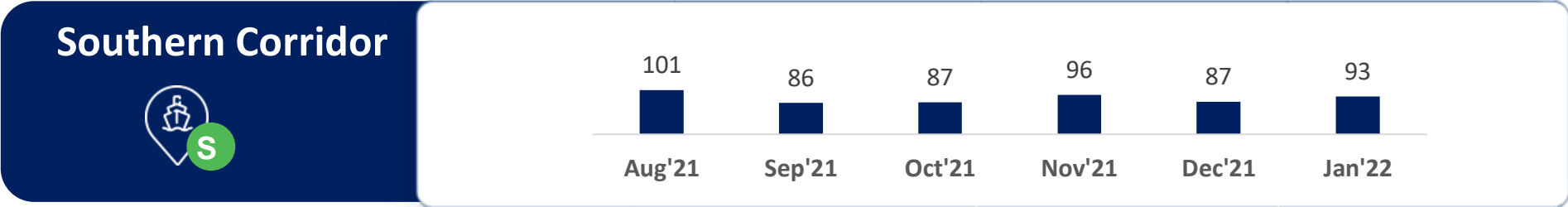| Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
38	49	34	39	40	37

■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Port Dwell Time Performance – Southern Corridor (Export Cycle)

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

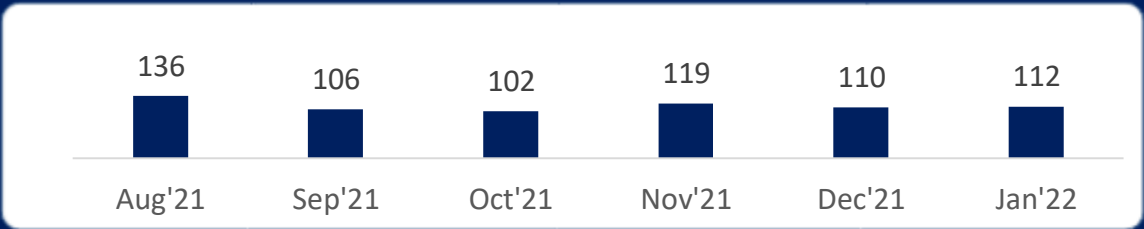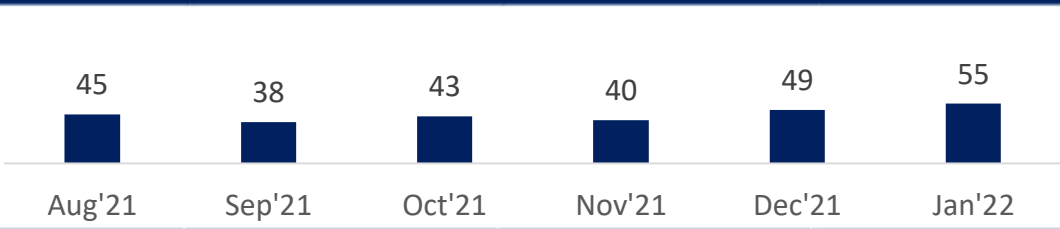## Southern Corridor

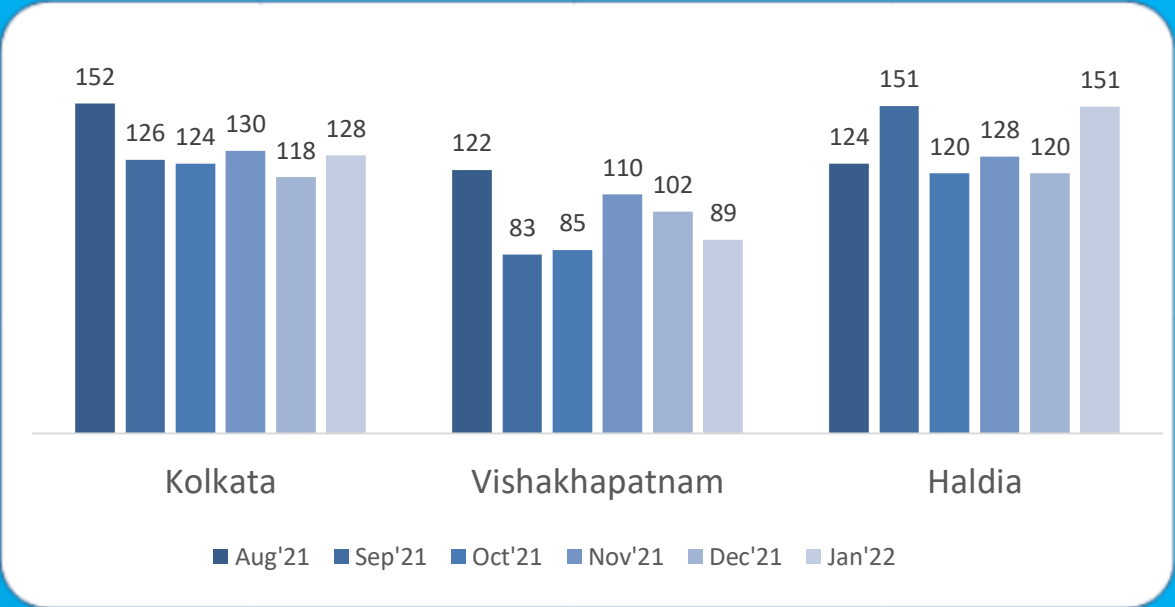|	Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
	101	86	87	96	87	93

Port - Wise

Kochi — 82, 106, 106, 102, 109, 106

New Mangalore — 122, 140, 118, 143, 146, 131

Ennore — 113, 102, 96, 97, 128, 106

Chennai — 116, 91, 90, 105, 90, 103

Kattupalli — 129, 96, 102, 97, 94, 98

Tuticorin — 69, 59, 65, 77, 58, 68

■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Chennai - Terminal

CCTL — 113, 84, 91, 108, 99, 107

CITPL — 118, 97, 89, 103, 86, 99

■ Aug'22 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Tuticorin - Terminal

DGBT — 59, 52, 57, 72, 52, 61

PSA-Sical — 99, 93, 121, 109, 93, 97

■ Aug'21 ■ Sep'21 ■ Oct'21 ■ Nov'21 ■ Dec'21 ■ Jan'22

Port Dwell Time Performance – Eastern Corridor

Import Cycle (in hrs)
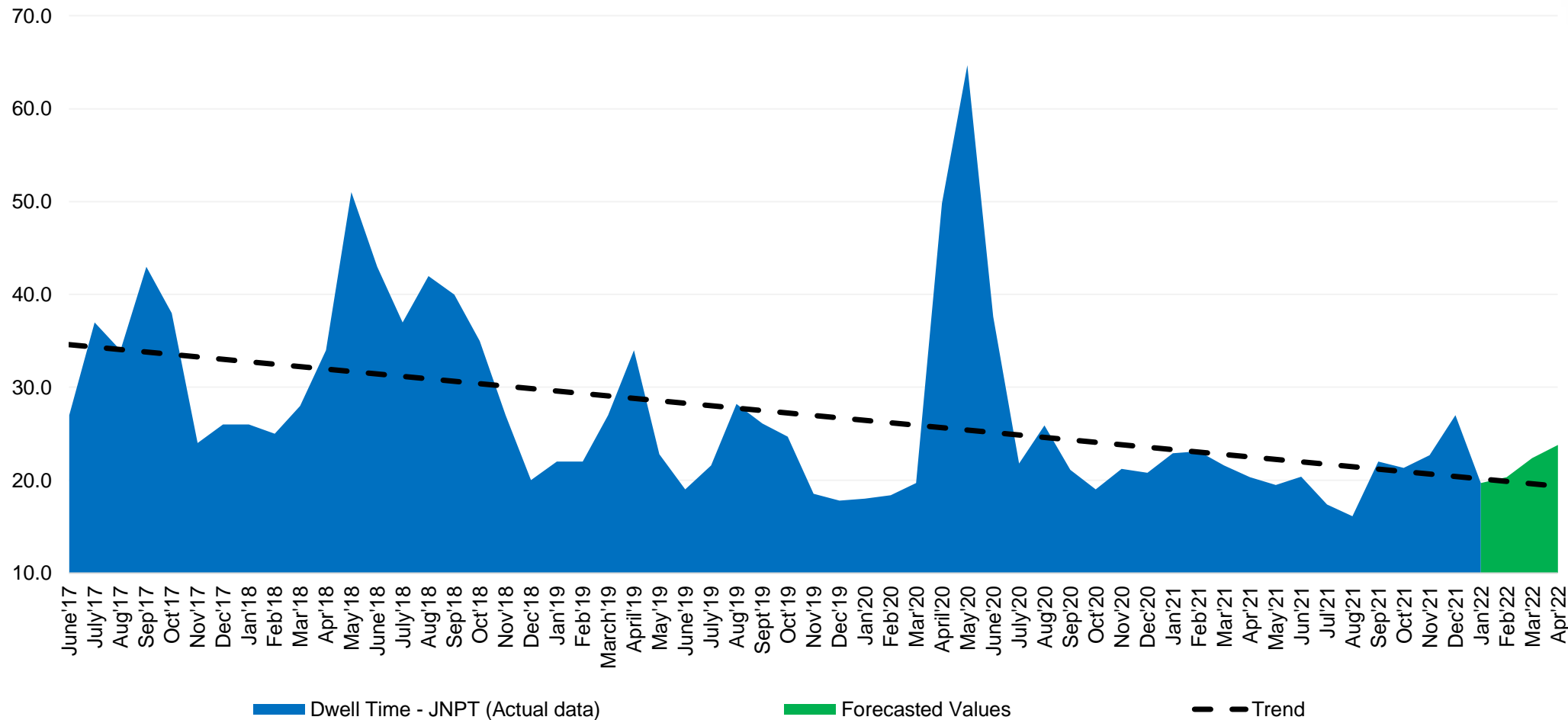
Export Cycle (in hrs)

Eastern Corridor

	Aug'21	Sep'21	Oct'21	Nov'21	Dec'21	Jan'22
Import	45	38	43	40	49	55
Export	136	106	102	119	110	112

Port - Wise

Import

Kolkata: 31, 28, 31, 29, 33, 32

Vishakhapatnam: 51, 41, 50, 48, 71, 78

Haldia: 97, 84, 104, 88, 88, 68

Legend: Aug'21, Sep'21, Oct'21, Nov'21, Dec'21, Jan'22

Export

Kolkata: 152, 126, 124, 130, 118, 128

Vishakhapatnam: 122, 83, 85, 110, 102, 89

Haldia: 124, 151, 120, 128, 120, 151

Legend: Aug'21, Sep'21, Oct'21, Nov'21, Dec'21, Jan'22
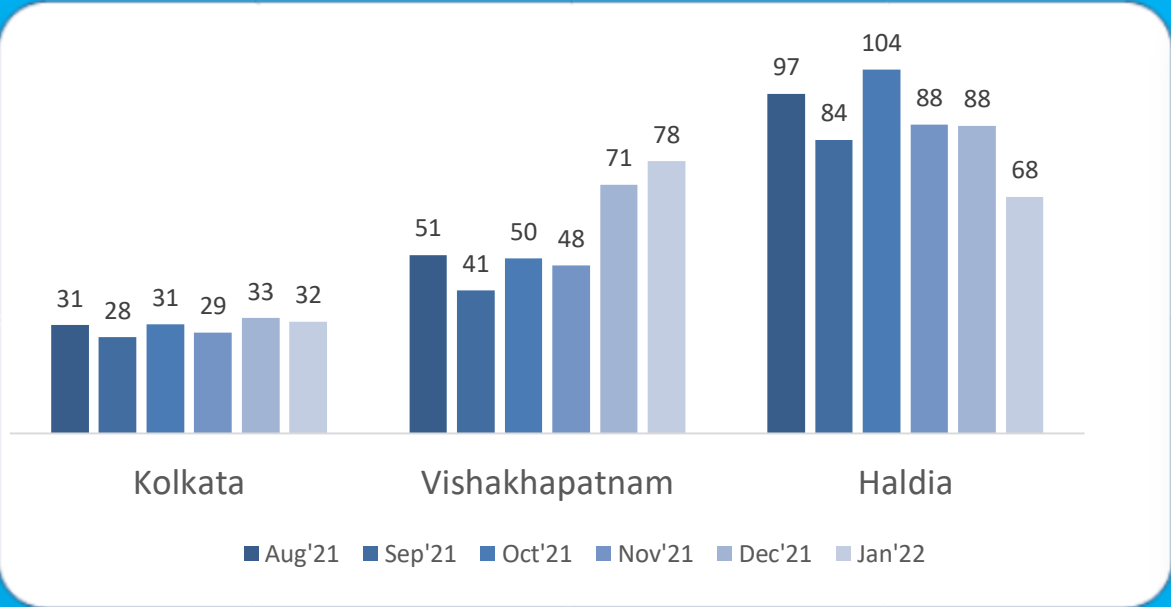
Predictive Analysis : JNPT Port

JNPT Port – Import Cycle

Legend:
- Dwell Time - JNPT (Actual data)
- Forecasted Values
- Trend

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 Jan'22 and strictly increase from there on till Apr'22.
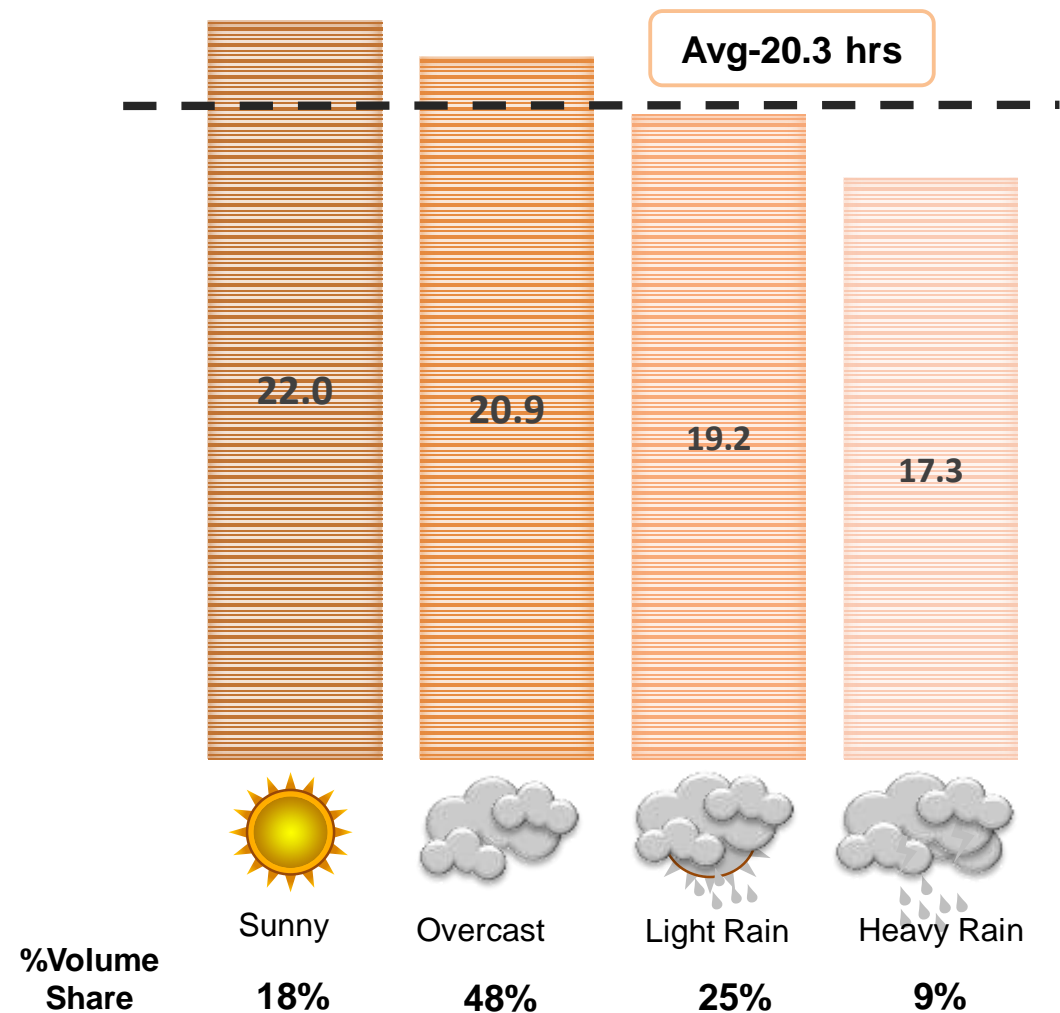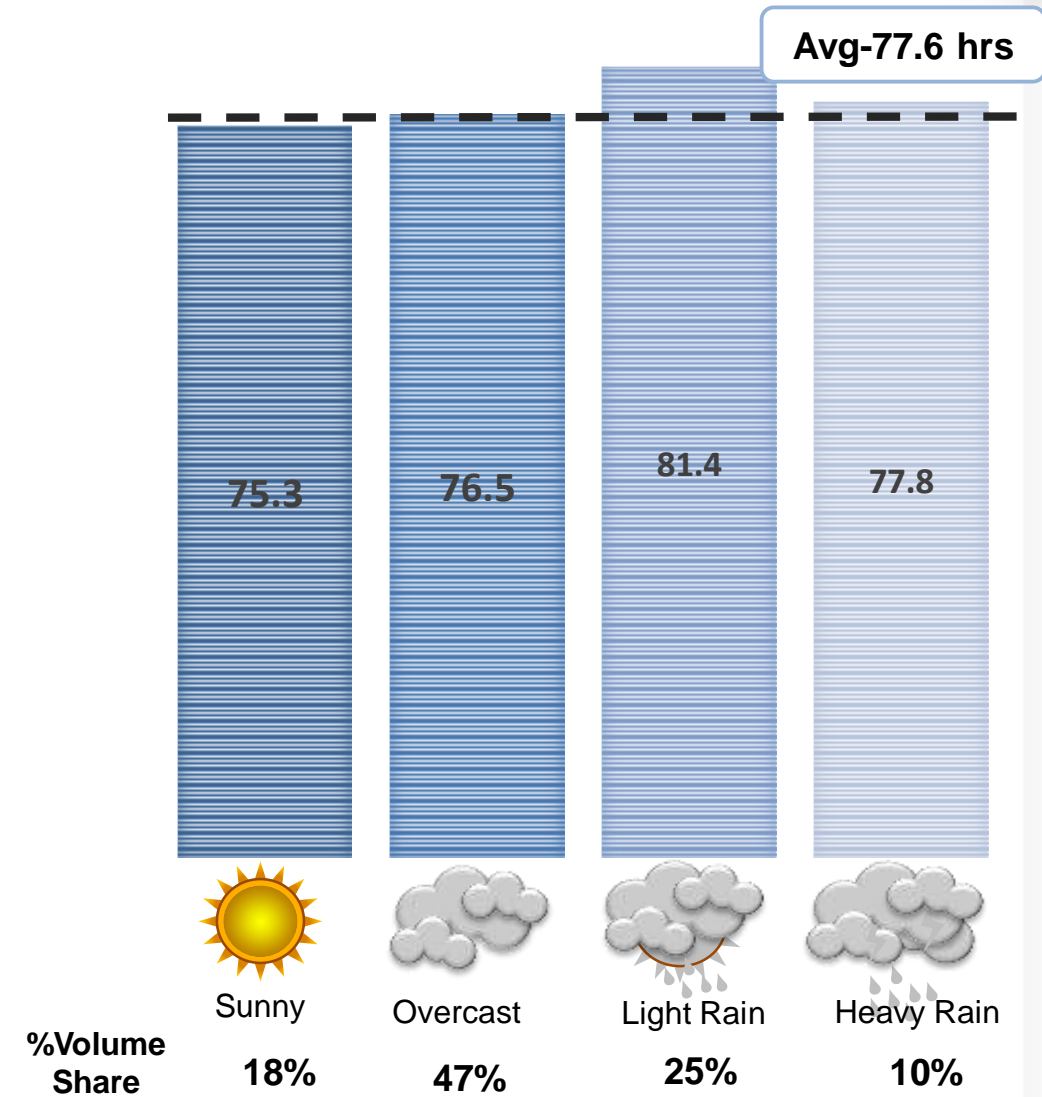
Predicted Dwell Time (in hrs)

Feb'22	Mar'22	Apr'22
20.3	22.4	23.8

Weather Analysis : JNPT Port

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JNPT Port – Import Cycle Dwell Time(in hrs)

Avg-20.3 hrs

22.0	20.9	19.2	17.3

	Sunny	Overcast	Light Rain	Heavy Rain
%Volume Share	**18%**	**48%**	**25%**	**9%**

JNPT Port – Export Cycle Dwell Time(in hrs)

Avg-77.6 hrs

75.3	76.5	81.4	77.8

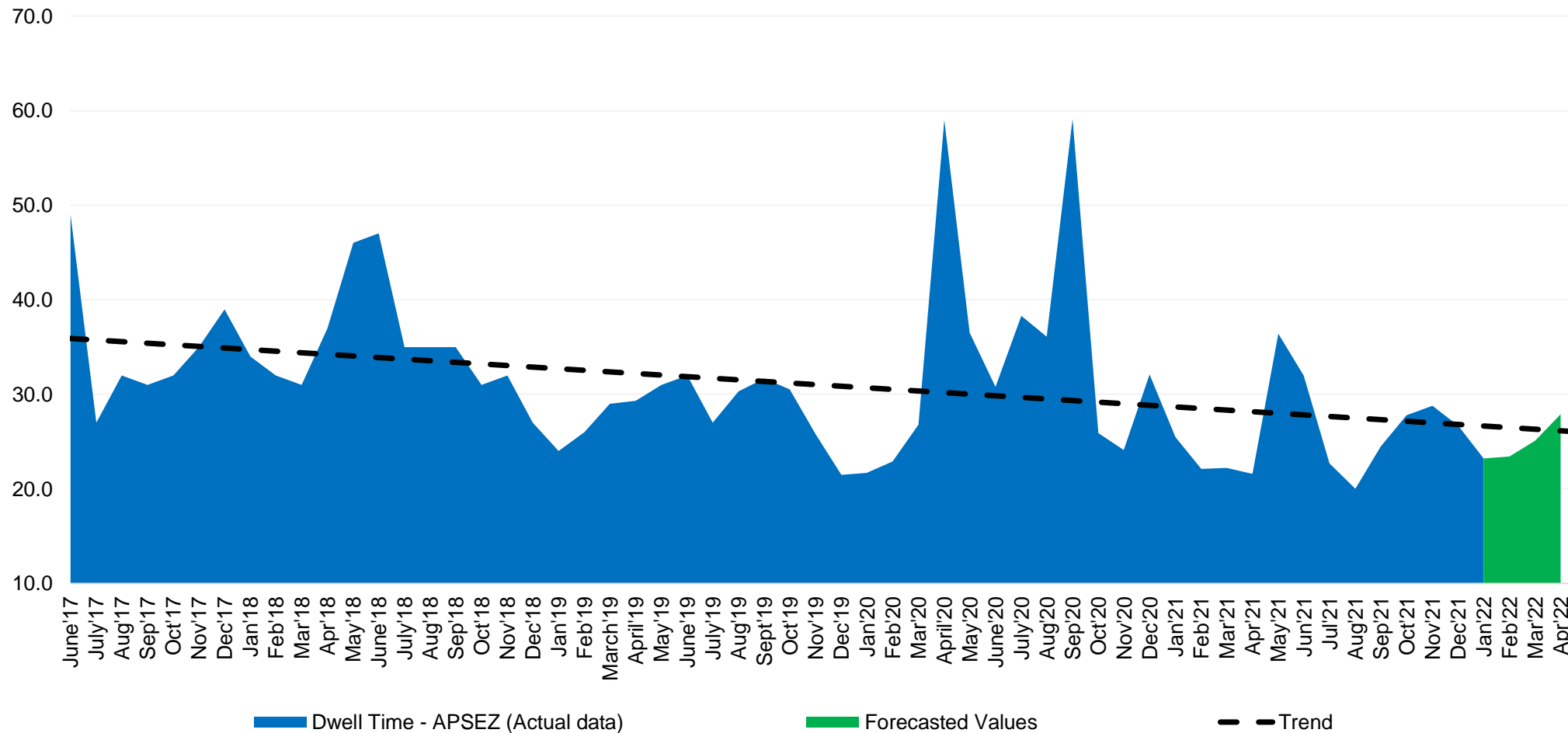|	Sunny	Overcast	Light Rain	Heavy Rain
%Volume Share	**18%**	**47%**	**25%**	**10%**

Observation

Import Cycle

- As compared to the overall average there is a deterioration of 8% and 3% respectively in Sunny and Overcast weather conditions.

- As compared to the overall average there is an improvement of 6% and 15% respectively in Light and Heavy Rain weather conditions.

Export Cycle

- As compared to the overall average there is a improvement of 3% and 2% respectively in Sunny and Overcast weather conditions.

- As compared to the overall average there is an deterioration of 5% and 0.3% respectively in Light and Heavy Rain weather conditions.

Port-out date is considered for weather description for both import and export cycles.
The analysis is conducted on data from Oct''20 to Sep'21

Predictive Analysis : Mundra Port

Mundra Port – Import Cycle

Dwell Time - APSEZ (Actual data) — Forecasted Values — - Trend

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 Jan'22 and increase from there on to reach a maxima in the month of Apr'22.

Predicted Dwell Time (in hrs)	Feb'22	Mar'22	Apr'22
	23.4	25.1	27.9

Critical Incident Summary

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has improved by 20% & Export Cycle deteriorated by 7%.
- The container handling performance at CFS has deteriorated by 6%. Also, ICD performance has deteriorated by 1%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Jan'22	22.5 hrs	97.6 hrs	91.5 hrs	121.3 hrs
Dec'21	28.2 hrs	91.2 hrs	86.4 hrs	119.9 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 11% & in Export Cycle has deteriorated by 7%.
- The container handling performance at CFS has deteriorated by 5%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Jan'22	44.9 hrs	93.3 hrs	111.0 hrs
Dec'21	50.3 hrs	87.4 hrs	106.1 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 12% and Export Cycle has deteriorated by 2%.
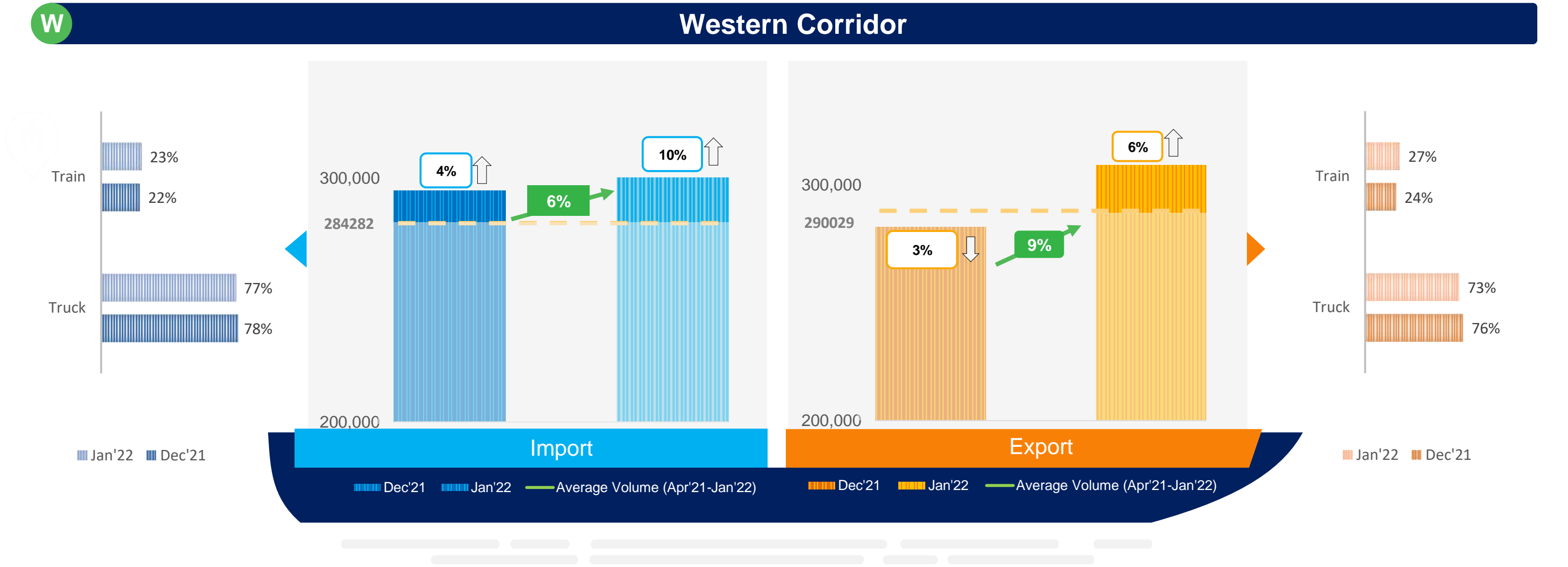- The container handling performance at CFS has deteriorated by 2%.

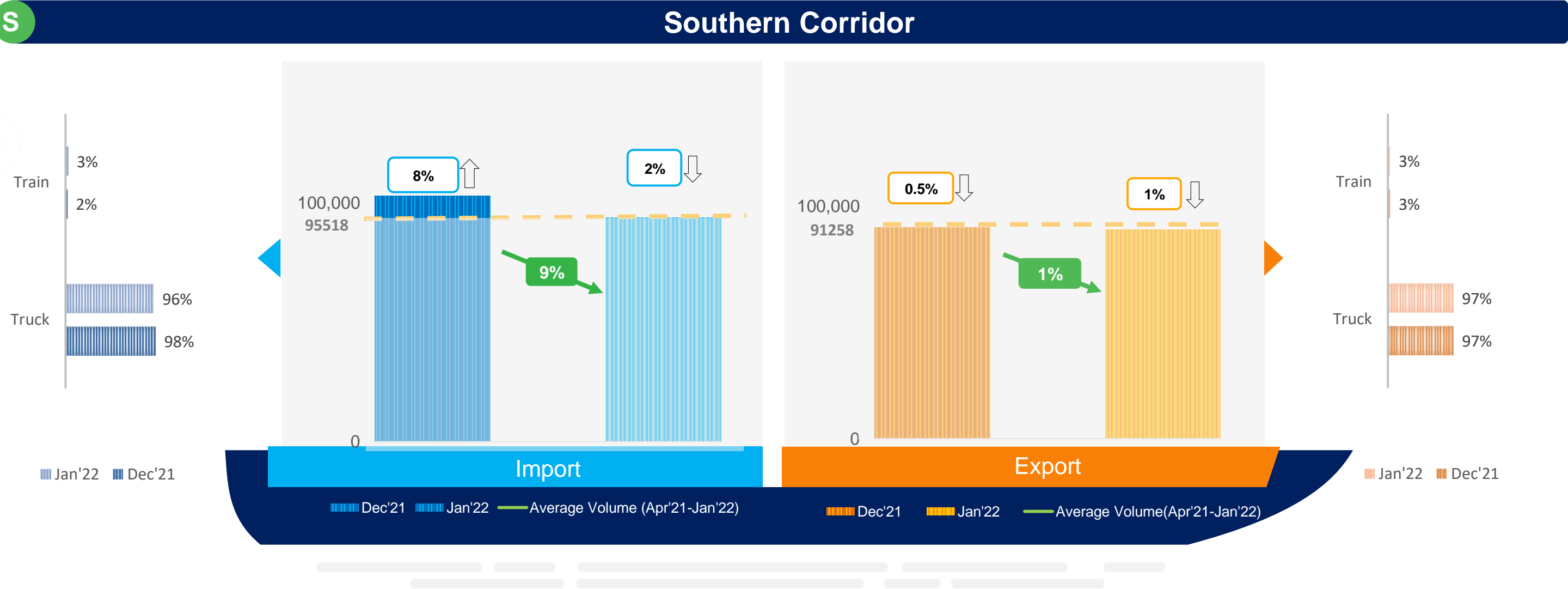| Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Jan'22	54.8 hrs	112.2 hrs	126.6 hrs
Dec'21	48.9 hrs	109.9 hrs	124.0 hrs

COVID – 19 Impact

Covid-19 Impact – Western Corridor

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

Western Corridor

Train 23% / 22%

Truck 77% / 78%

Jan'22 / Dec'21

Import
- 284282
- 4% ↑
- 6%
- 10% ↑
- 300,000
- 200,000

Dec'21 | Jan'22 | Average Volume (Apr'21-Jan'22)

Export
- 290029
- 3% ↓
- 9%
- 6% ↑
- 300,000
- 200,000

Dec'21 | Jan'22 | Average Volume (Apr'21-Jan'22)

**Train** 27% / 24%

Truck 73% / 76%

Jan'22 / Dec'21

Covid-19 Impact – Southern Corridor

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

Southern Corridor

Import — Dec'21 | Jan'22 | Average Volume (Apr'21-Jan'22)

Export — Dec'21 | Jan'22 | Average Volume (Apr'21-Jan'22)

Train: Jan'22 3%, Dec'21 2% (Import)
Truck: Jan'22 96%, Dec'21 98% (Import)

Train: Jan'22 3%, Dec'21 3% (Export)
Truck: Jan'22 97%, Dec'21 97% (Export)

Import: 8% ⬆, 2% ⬇, 9% ⬇, 95518, 100,000
Export: 0.5% ⬇, 1% ⬇, 1% ⬇, 91258, 100,000

Covid-19 Impact – Eastern Corridor

Below graphs depicts the change in volume percentage during the month of Jan'22 w.r.t the last month i.e., Dec'21 and the average EXIM corridor wise volume.
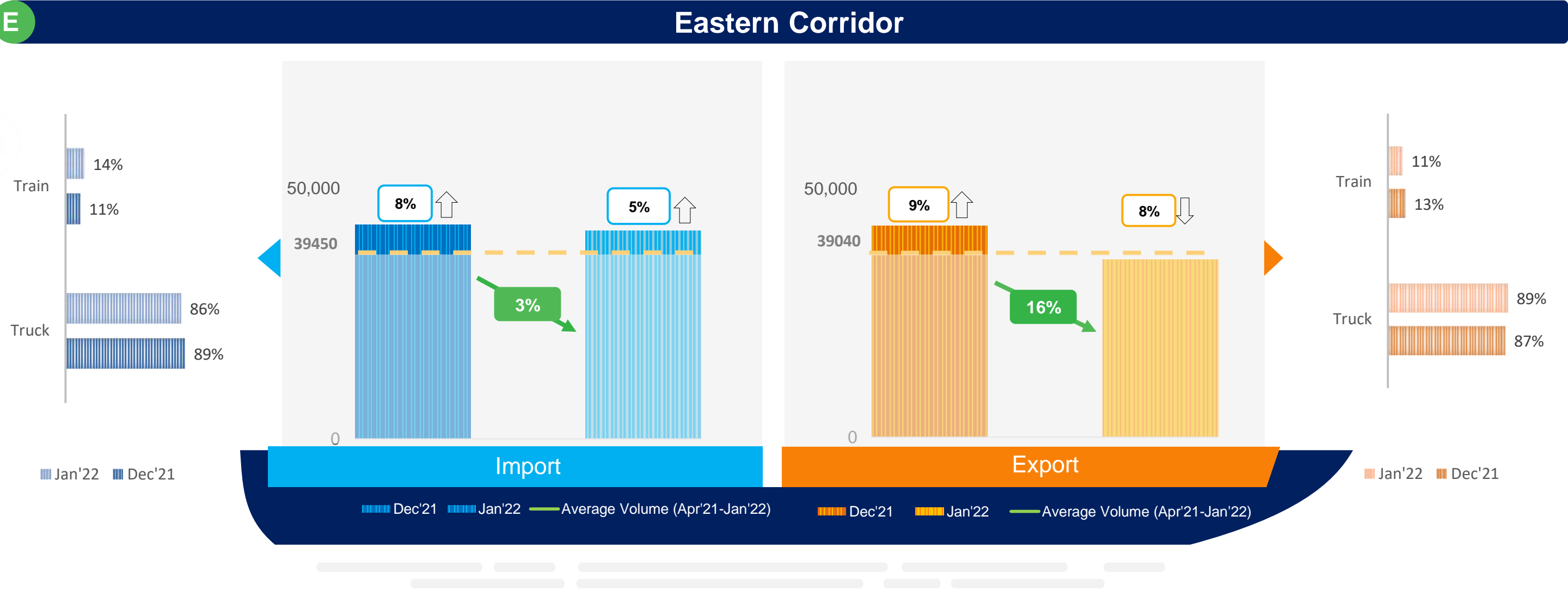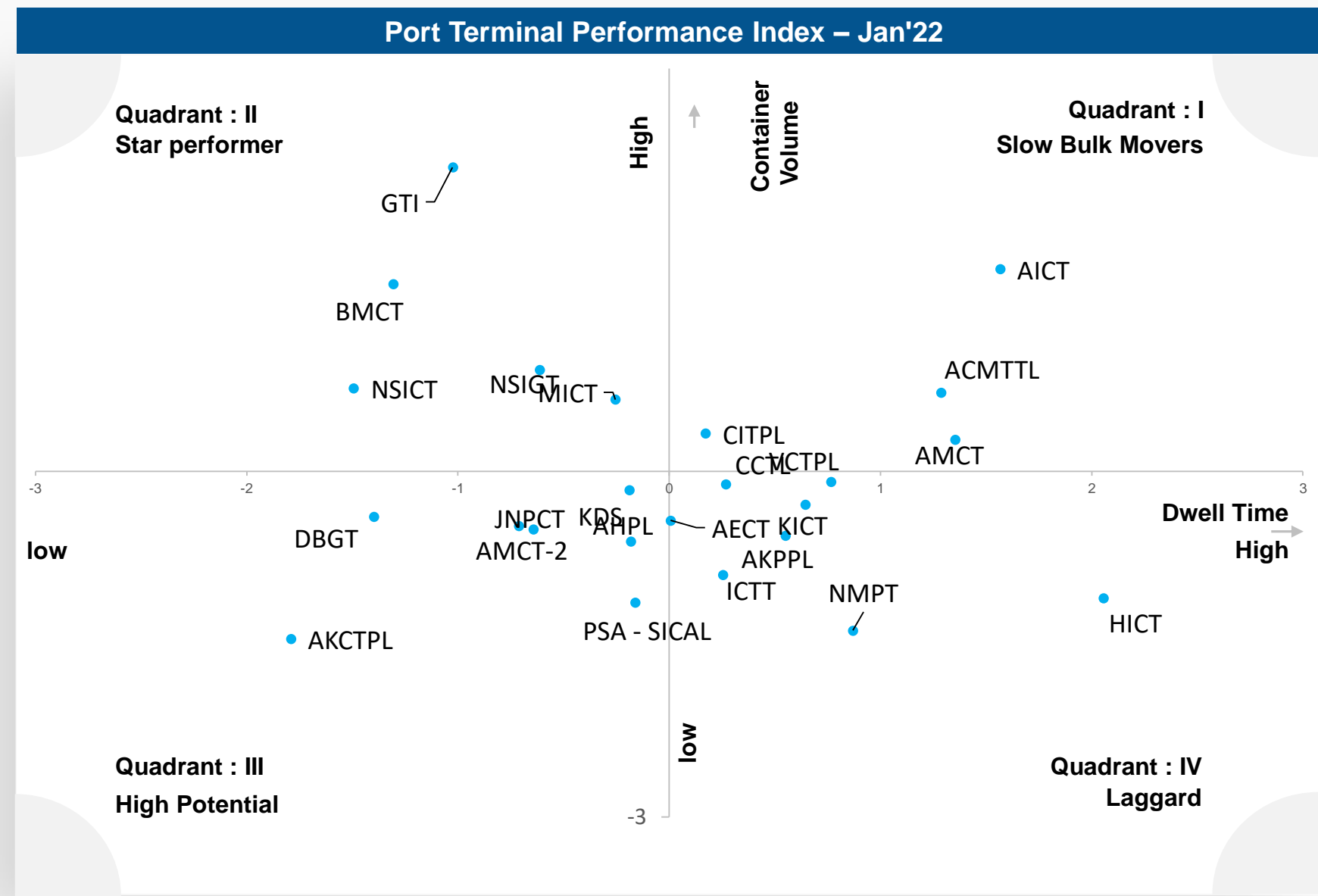
Pan India - Port Performance Benchmarking & Performance Index

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 Jan'22

Port Terminal Performance Index – Jan'22

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Container Volume High

Dwell Time High

low

Quadrant : III
High Potential

low

Quadrant : IV
Laggard

Terminals plotted: GTI, BMCT, AICT, NSICT, NSIGT, MICT, ACMTTL, CITPL, CCTPL, MCTPL, AMCT, JNPCT, KDS, AHPL, AECT, KICT, DBGT, AMCT-2, AKPPL, ICTT, NMPT, PSA - SICAL, HICT, AKCTPL

Top Performing Terminal	
Gateway Terminals India (GTI)	
Dec'21	Jan'22
48.1 Hrs	44.8 Hrs.

Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Dec'21	Jan'22
102.6 Hrs	112.5 Hrs

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary

In order to assess the relative performance of various entitied 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

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

Performance benchmarking for CFSs covered under LDB project for Jan'22
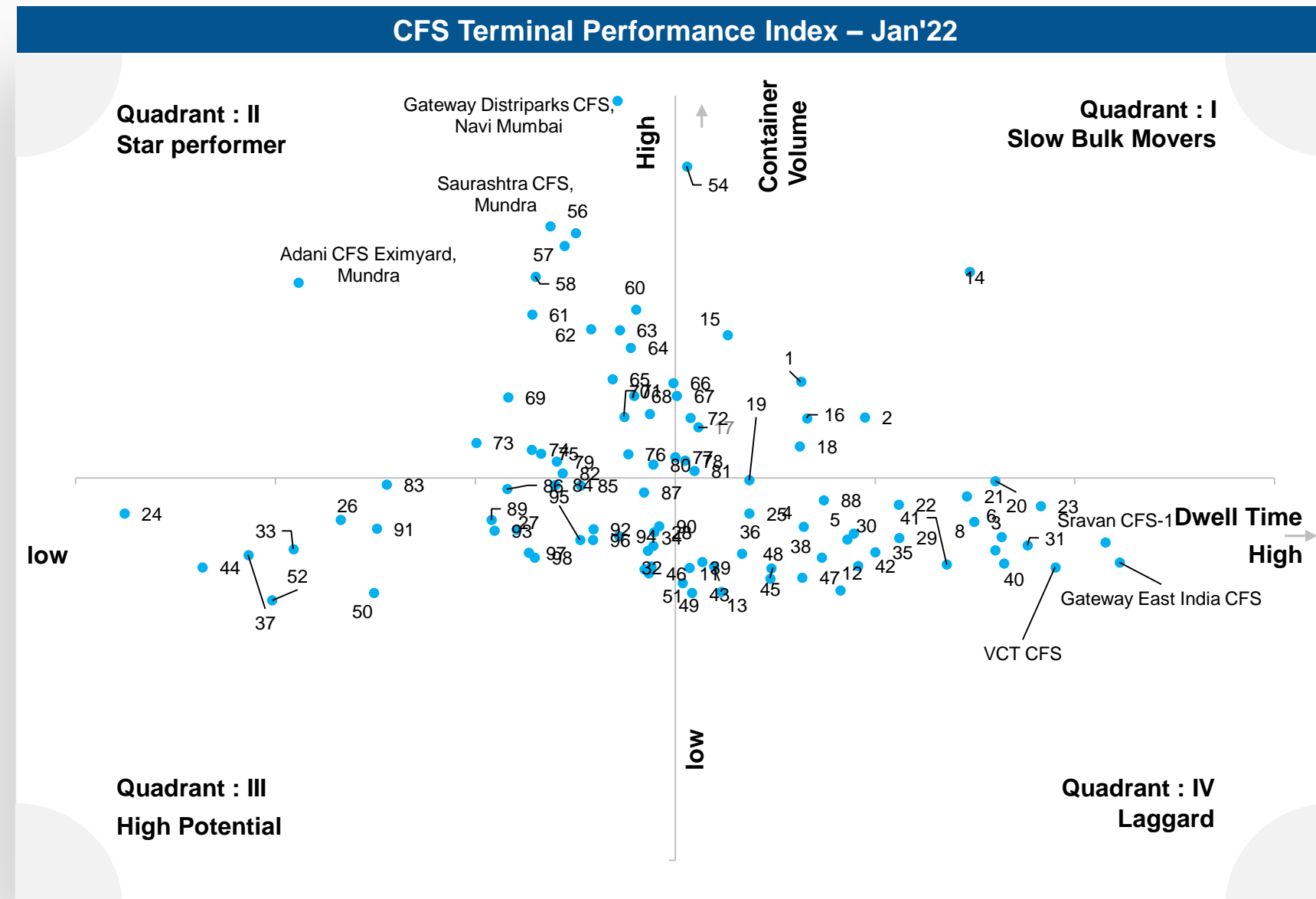
CFS Terminal Performance Index – Jan'22

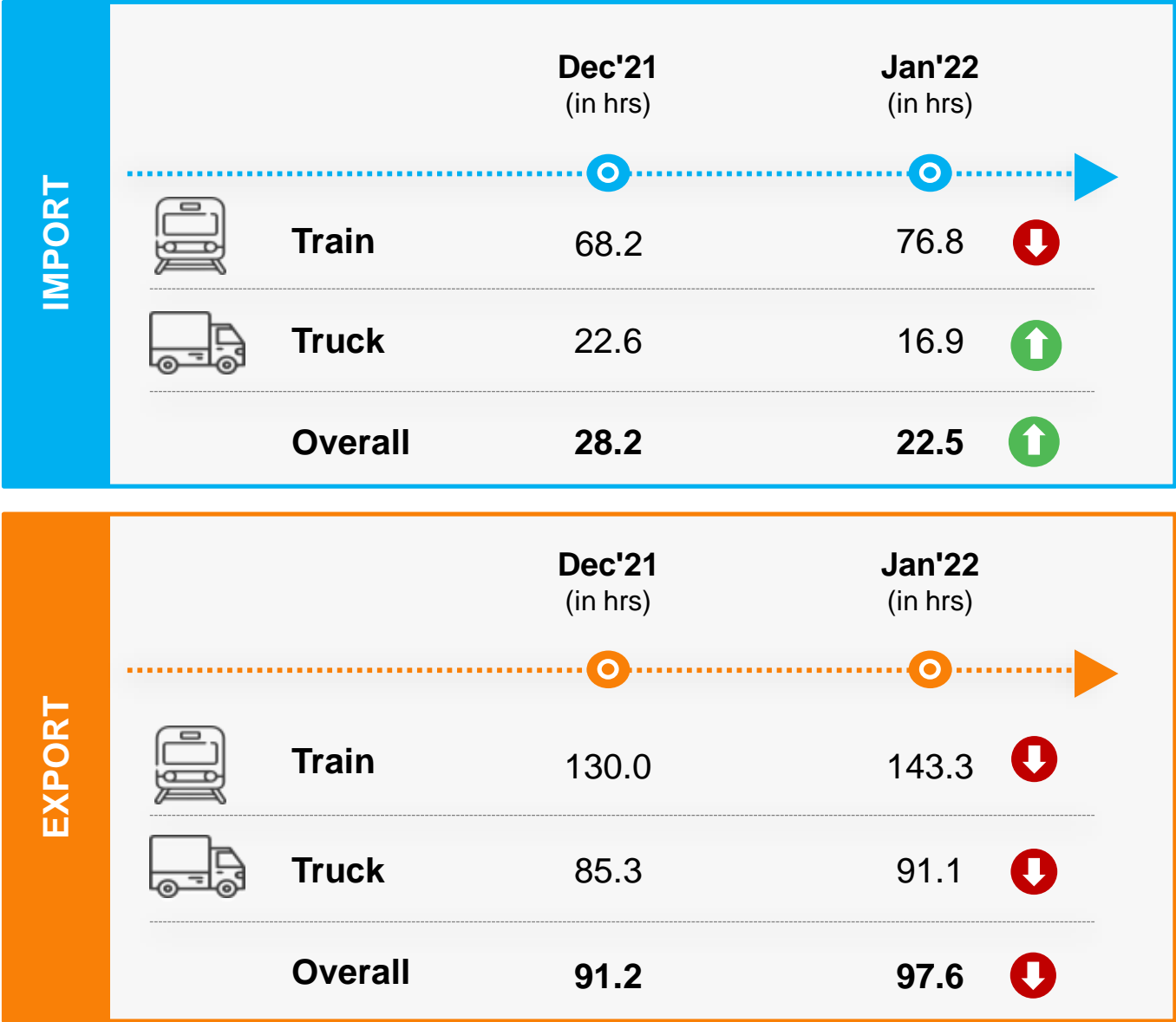| Top Three Performing CFSs		
CFS Name	**Dec'21**	**Jan'22**
Gateway Distriparks CFS, Navi Mumbai	83.6 hrs	94.6 hrs ⬇
Adani CFS Eximyard, Mundra	62.3 hrs	54.0 hrs ⬆
Saurashtra CFS, Mundra	87.1 hrs	86.1 hrs ⬆

Bottom Three Performing CFSs		
CFS Name	**Dec'21**	**Jan'22**
Gateway East India CFS	136.1 hrs	158.6 hrs ⬇
Sravan CFS-1	135.3 hrs	156.9 hrs ⬇
VCT CFS	141.3 hrs	150.5 hrs ⬇

⬆⬇ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Dec'21
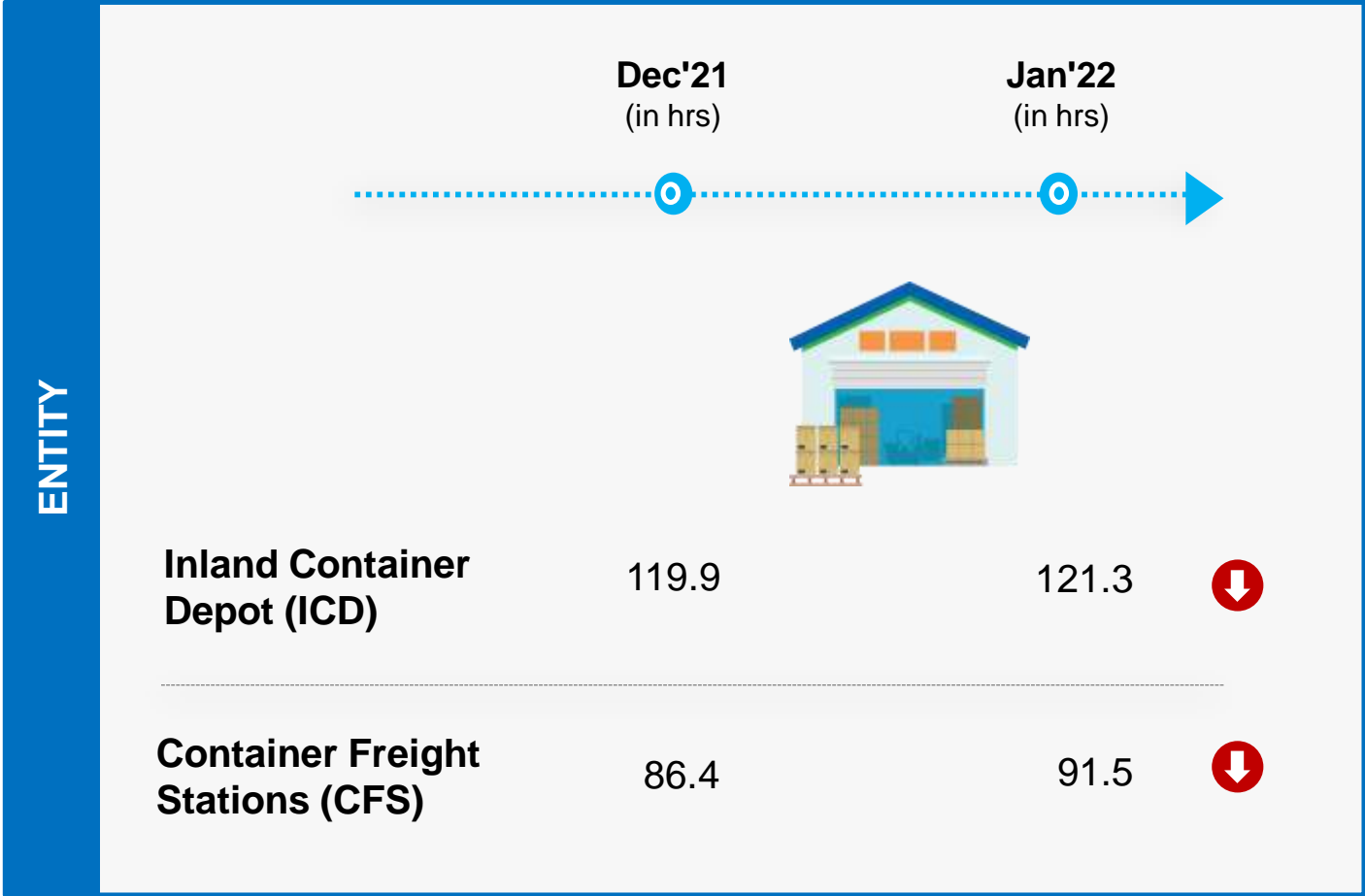
Performance Index - Summary

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Slow Bulk Movers

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High Potential

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

Laggard

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

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	68.2	76.8	🔻
Truck	22.6	16.9	🔺
Overall	**28.2**	**22.5**	🔺

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	130.0	143.3	🔻
Truck	85.3	91.1	🔻
Overall	**91.2**	**97.6**	🔻

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

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Inland Container Depot (ICD)	119.9	121.3	🔻
Container Freight Stations (CFS)	86.4	91.5	🔻

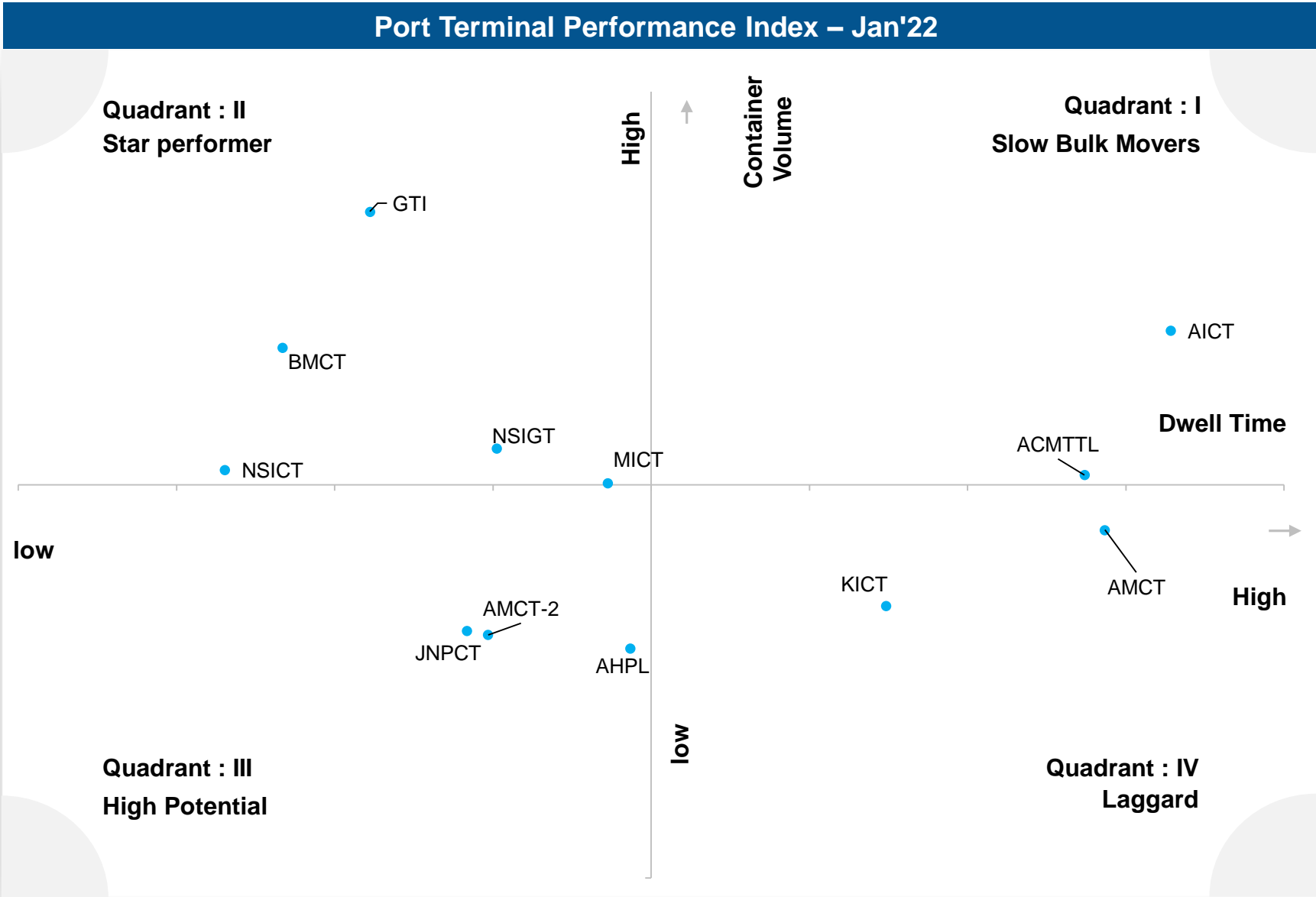🔺 The marked entries showcase increase in performance in comparison to Dec'21

🔻 The marked entries showcase decrease in performance in comparison to Dec'21

Port Performance Benchmarking & Performance Index - Western Corridor

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 Jan'22

Port Terminal Performance Index – Jan'22

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Container Volume

High

GTI

BMCT

AICT

Dwell Time

NSIGT

MICT

ACMTTL

NSICT

low

AMCT

KICT

High

AMCT-2

JNPCT

AHPL

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

Top Performing Terminal		
Gateway Terminals India (GTI)		
Dec'21	Jan'22	
48.1 Hrs	44.8 Hrs.	

Low Performing Terminal		
Adani Mundra Container Terminal (AMCT)		
Dec'21	Jan'22	
98.1 Hrs	97.0 Hrs.	

Note: The performance benchmarking is based on performance index
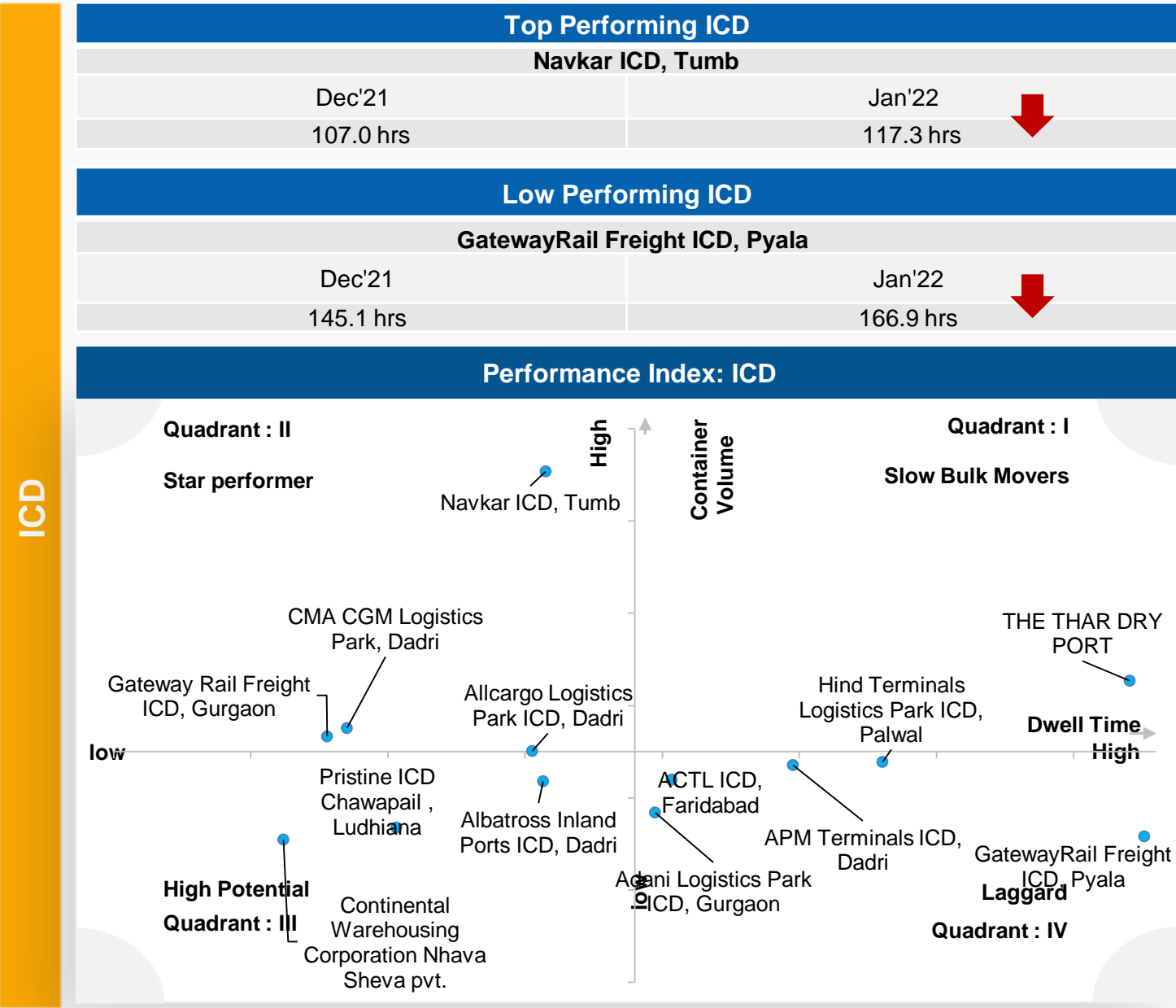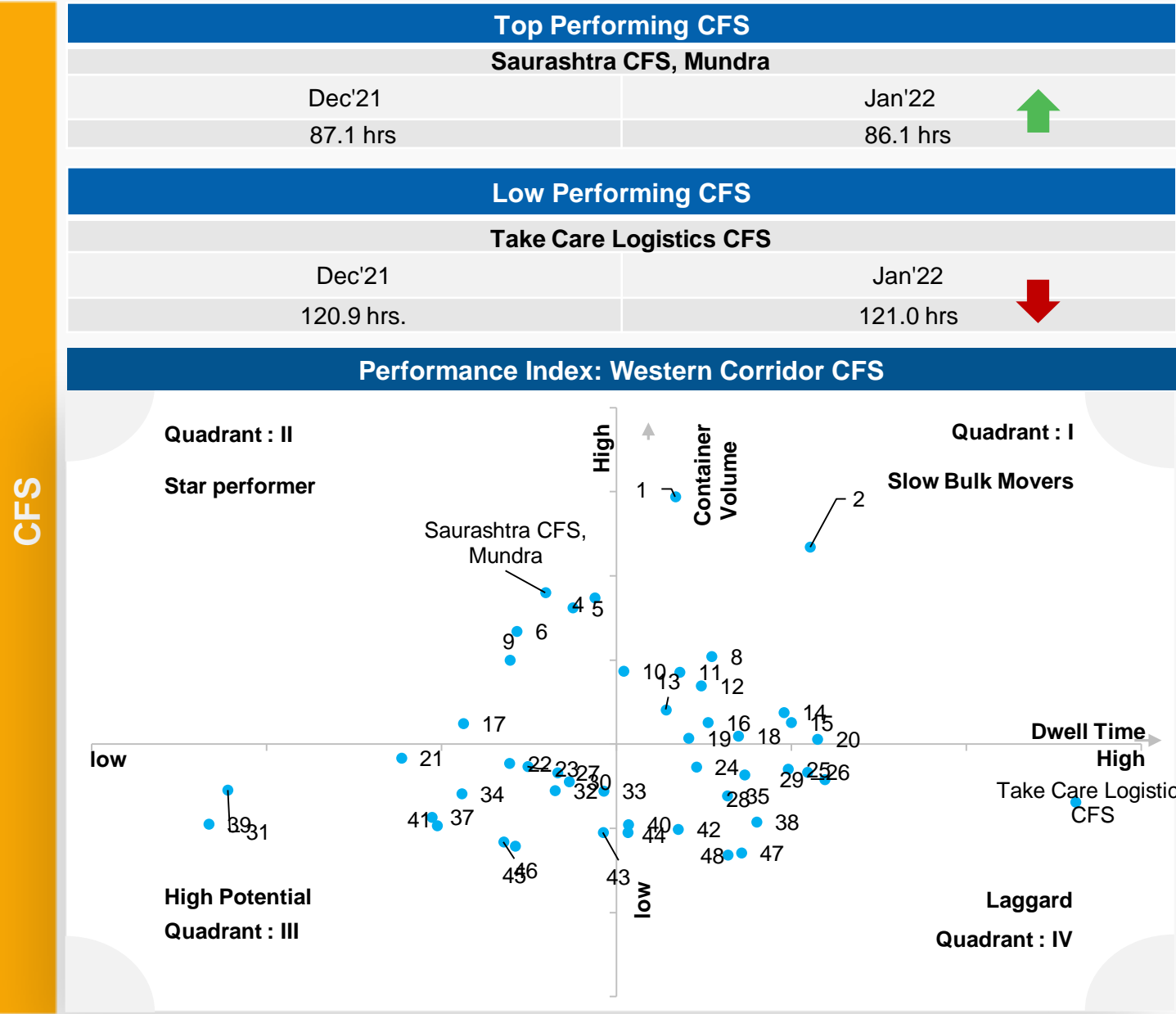
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Performance Benchmarking

CFS

Top Performing CFS	
Saurashtra CFS, Mundra	
Dec'21	Jan'22 ⬆
87.1 hrs	86.1 hrs

Low Performing CFS	
Take Care Logistics CFS	
Dec'21	Jan'22 ⬇
120.9 hrs.	121.0 hrs

Performance Index: Western Corridor CFS

Quadrant : II

Star performer

Container Volume — High / low

Saurashtra CFS, Mundra

1, 2 — Slow Bulk Movers — Quadrant : I

4, 5, 6, 9, 8, 10, 13, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27, 24, 25, 26, 29, 30, 32, 33, 34, 28, 35, 37, 38, 40, 41, 42, 43, 44, 45, 46, 47, 48, 39, 31

Dwell Time High / low

Take Care Logistics CFS

High Potential
Quadrant : III

Laggard
Quadrant : IV

ICD

Top Performing ICD	
Navkar ICD, Tumb	
Dec'21	Jan'22 ⬇
107.0 hrs	117.3 hrs

Low Performing ICD	
GatewayRail Freight ICD, Pyala	
Dec'21	Jan'22 ⬇
145.1 hrs	166.9 hrs

Performance Index: ICD

Quadrant : II

Star performer

Navkar ICD, Tumb

Container Volume — High / low

CMA CGM Logistics Park, Dadri

Gateway Rail Freight ICD, Gurgaon

Allcargo Logistics Park ICD, Dadri

THE THAR DRY PORT

Hind Terminals Logistics Park ICD, Palwal

Pristine ICD Chawapail, Ludhiana

ACTL ICD, Faridabad

Albatross Inland Ports ICD, Dadri

APM Terminals ICD, Dadri

Dwell Time High / low

GatewayRail Freight ICD, Pyala

Adani Logistics Park ICD, Gurgaon

High Potential
Quadrant : III

Continental Warehousing Corporation Nhava Sheva pvt.
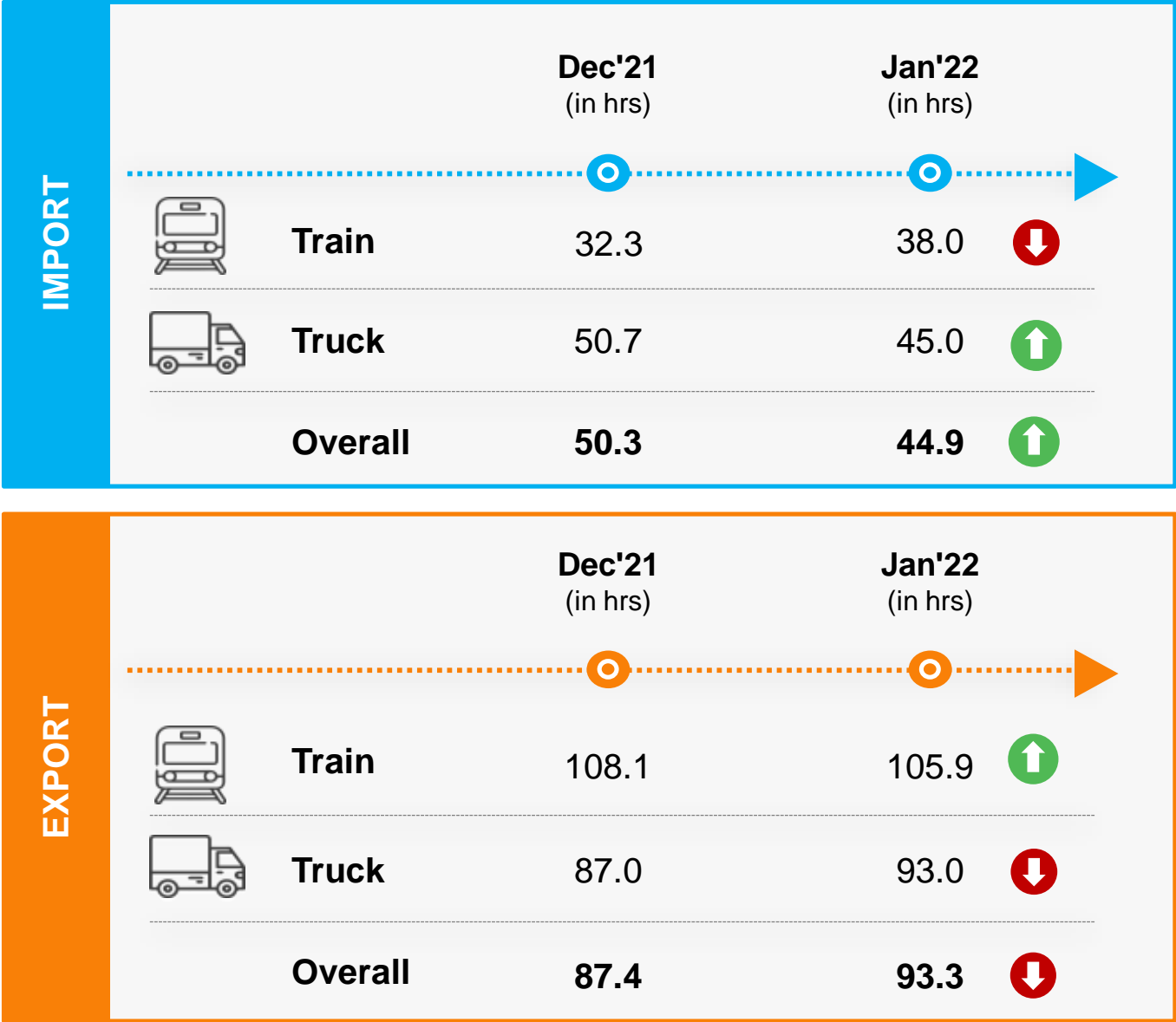
Laggard
Quadrant : IV

Note: The performance benchmarking is based on performance index

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

Kindly refer to Annexure section for the names of CFS

Container Transportation Performance - Southern Corridor

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	32.3	38.0	🔴
Truck	50.7	45.0	🟢
Overall	**50.3**	**44.9**	🟢

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	108.1	105.9	🟢
Truck	87.0	93.0	🔴
Overall	**87.4**	**93.3**	🔴

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

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	106.1	111.0	🔴
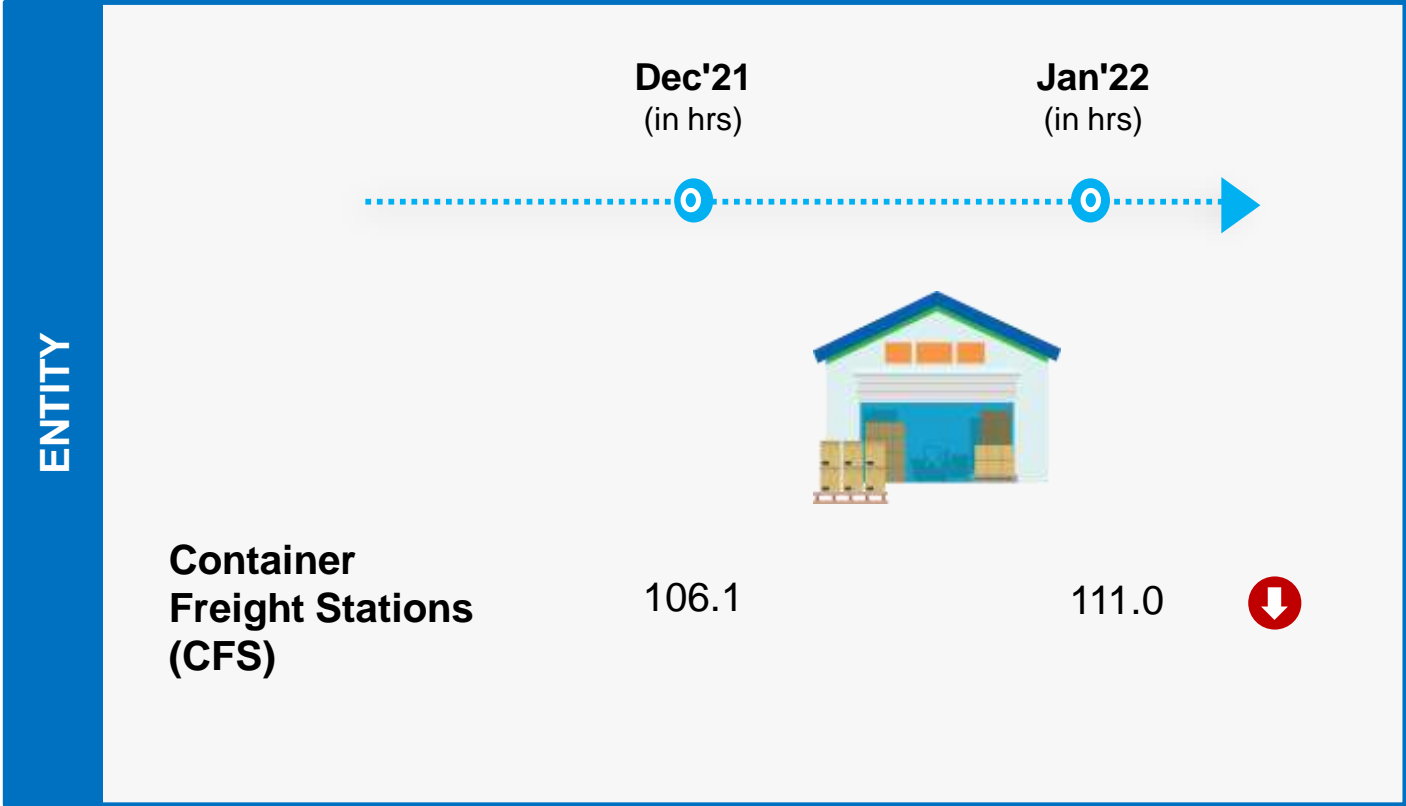
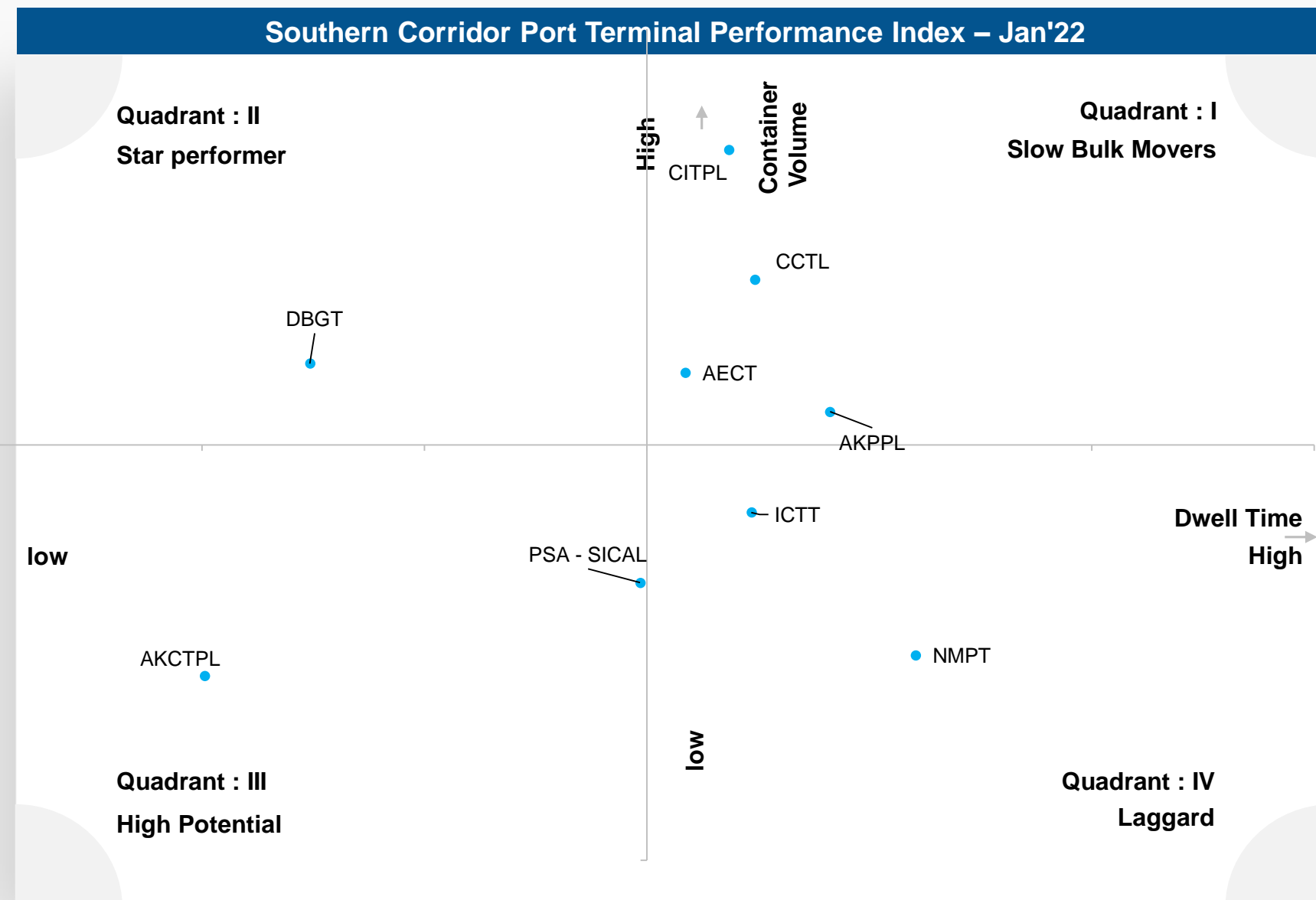🟢 The marked entries showcase increase in performance in comparison to Dec'21

🔴 The marked entries showcase decrease in performance in comparison to Dec'21

Port Performance Benchmarking & Performance Index - Southern Corridor

Performance Benchmarking – Port Terminals

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

Southern Corridor Port Terminal Performance Index – Jan'22

Quadrant : II

Star performer

Quadrant : I

Slow Bulk Movers

CITPL

Container Volume

High

CCTL

DBGT

AECT

AKPPL

ICTT

PSA - SICAL

low

AKCTPL

NMPT

low

Dwell Time

High

Quadrant : III

High Potential

Quadrant : IV

Laggard

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

Top Performing Terminal	
Dakshin Bharat Gateway Terminal (DBGT)	
Dec'21	Jan'22
39.9 hrs	36.6 hrs

Low Performing Terminal	
New Mangalore Port Trust	
Dec'21	Jan'22
93.2 hrs	86.4 hrs

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary

In order to assess the relative performance of various entitied 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

CFS Performance Benchmarking & Performance Index - Southern Corridor

NLDS
Logistics Redefined

Performance Benchmarking - CFSs

Performance Index: Southern Corridor CFS

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High

Container Volume

Raja Agencies CFS

Continental Warehousing Corporation Nhava Sheva Ltd.

low

Dwell Time
High

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

Kindly refer to Annexure section for the names of CFS

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

Top Performing Terminal	
Raja Agencies CFS	
Dec'21	Jan'22
53.8 hrs	31.8 hrs

Low Performing Terminal	
Continental Warehousing Corporation Nhava Sheva Ltd.	
Dec'21	Jan'22
138.3 hrs	146.9 hrs

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary

In order to assess the relative performance of various entitied 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
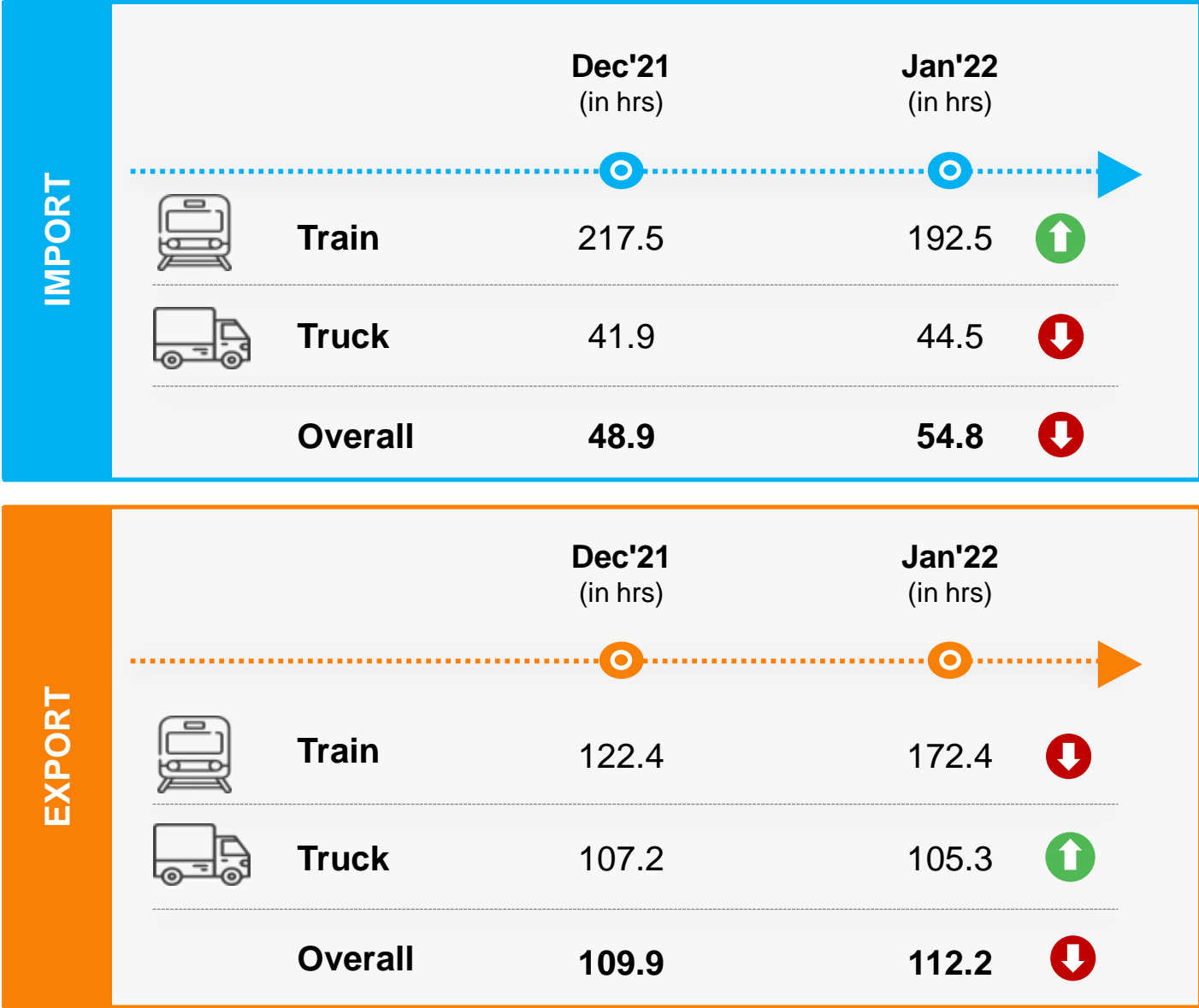
High Potential
Consist of entities which have catered relatively lower container volume in lower dwell time
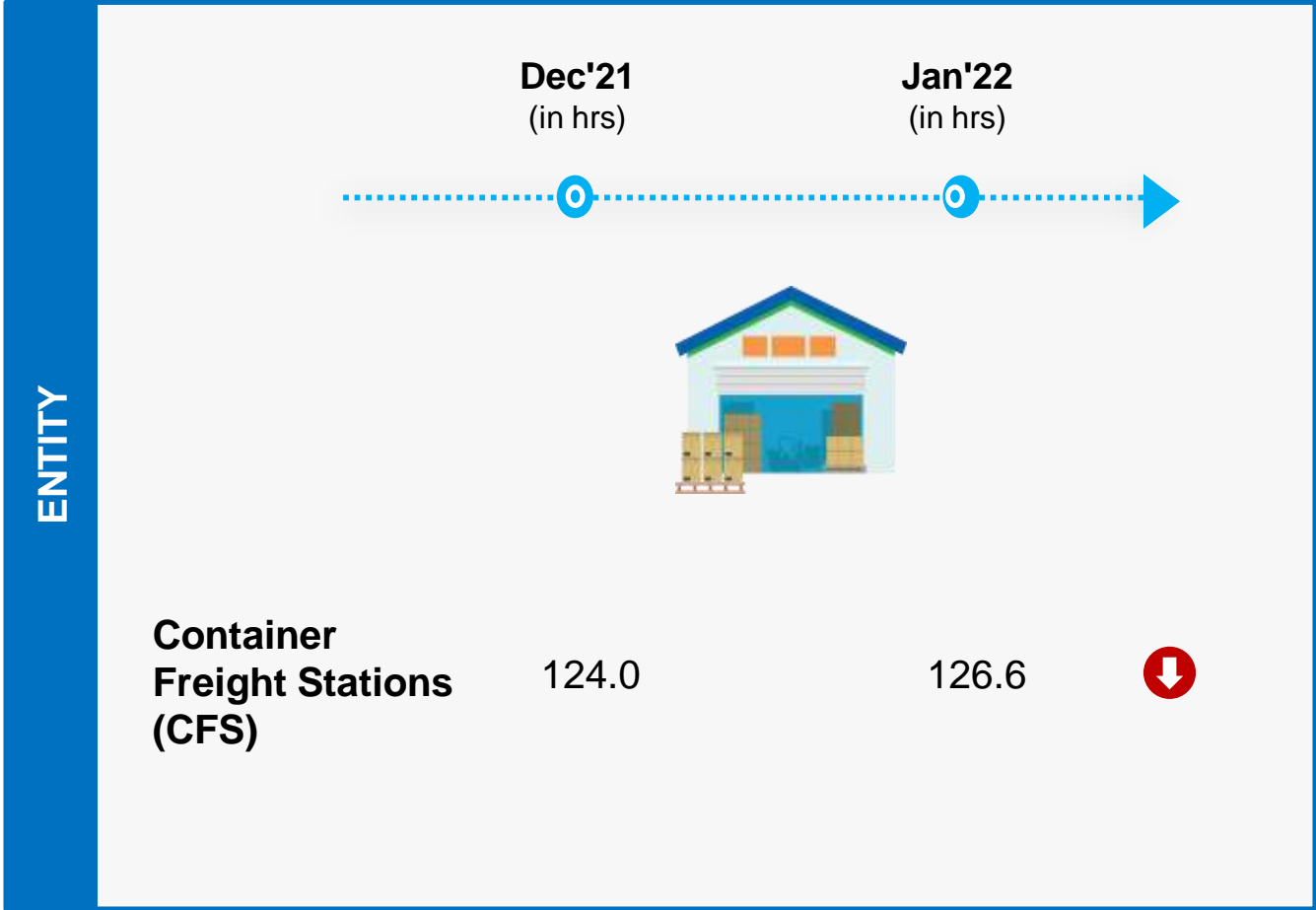
Laggard
Consist of entities which have catered relatively lower container volume at higher dwell time

Container Transportation Performance - Eastern Corridor

Port Dwell Time

Container Freight Stations(CFS)– Dwell Time

IMPORT

		Dec'21 (in hrs)	Jan'22 (in hrs)	
🚆	Train	217.5	192.5	⬆
🚚	Truck	41.9	44.5	⬇
	Overall	**48.9**	**54.8**	⬇

EXPORT

		Dec'21 (in hrs)	Jan'22 (in hrs)	
🚆	Train	122.4	172.4	⬇
🚚	Truck	107.2	105.3	⬆
	Overall	**109.9**	**112.2**	⬇

ENTITY

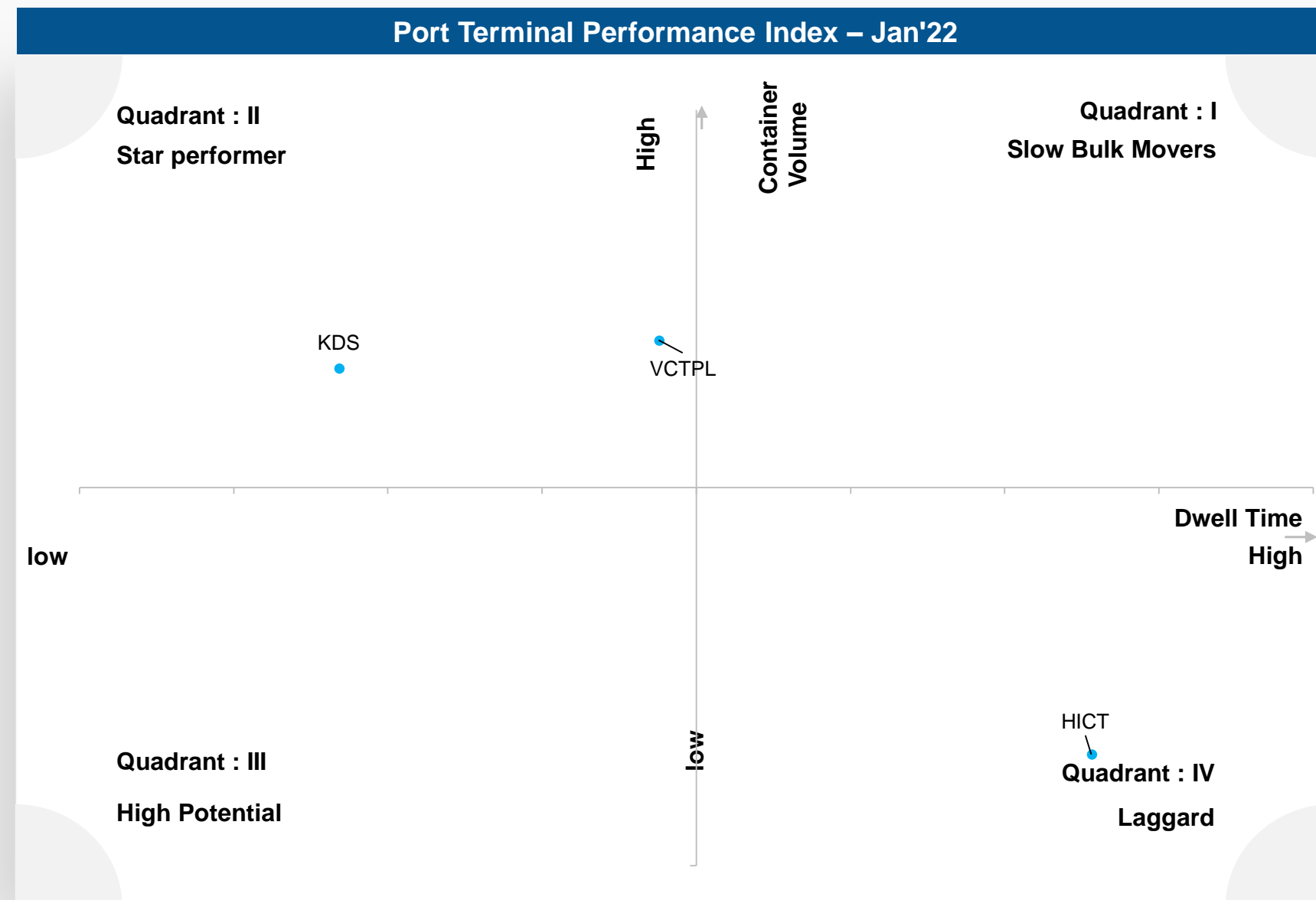|	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	124.0	126.6	⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

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 Jan'22

Port Terminal Performance Index – Jan'22

Quadrant : II

Star performer

Quadrant : I

Slow Bulk Movers

High

Container Volume

KDS

VCTPL

Dwell Time
High

low

low

HICT

Quadrant : III

High Potential

Quadrant : IV

Laggard

Top Performing Terminal

Kolkata Dock System (KDS)

Dec'21	Jan'22
60.0 hrs	63.2 hrs

Low Performing Terminal

Haldia International Container Terminal (HICT)

Dec'21	Jan'22
102.6 hrs	112.5 hrs

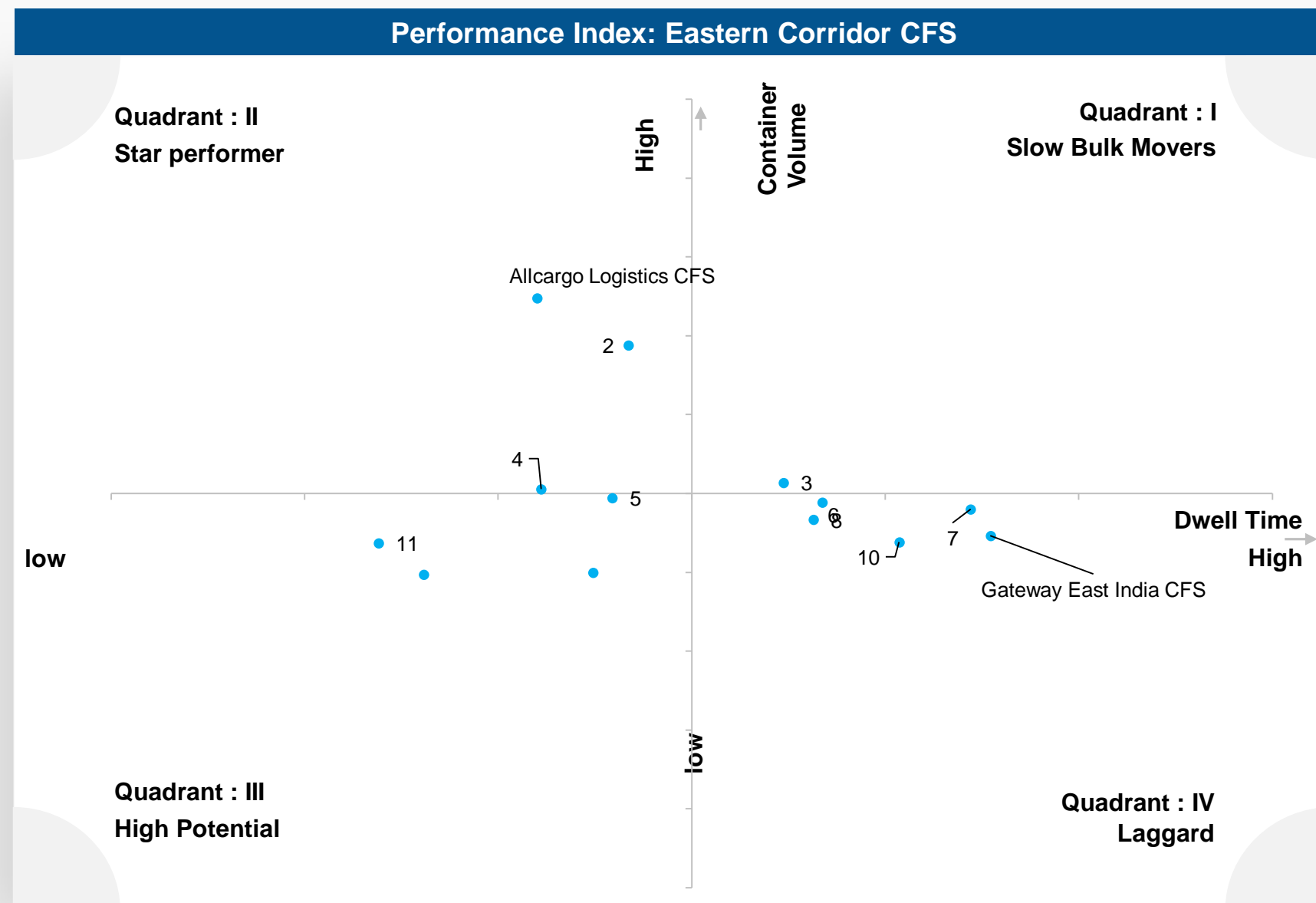Note: The performance benchmarking is based on performance index

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

Performance Index - Summary

In order to assess the relative performance of various entitied 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

Performance Index: Eastern Corridor CFS

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High

Container Volume

Allcargo Logistics CFS

2

4

3

5

6

11

10

7

Gateway East India CFS

low

Dwell Time
High

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

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

Top Performing Terminal	
Allcargo Logistics CFS	
Dec'21	Jan'22
124.6 hrs	118.0 hrs

Low Performing Terminal	
Gateway East India CFS	
Dec'21	Jan'22
136.1 hrs	158.6 hrs

Note: The performance benchmarking is based on performance index

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

Performance Index - Summary

In order to assess the relative performance of various entitied 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

Kindly refer to Annexure section for the names of CFS
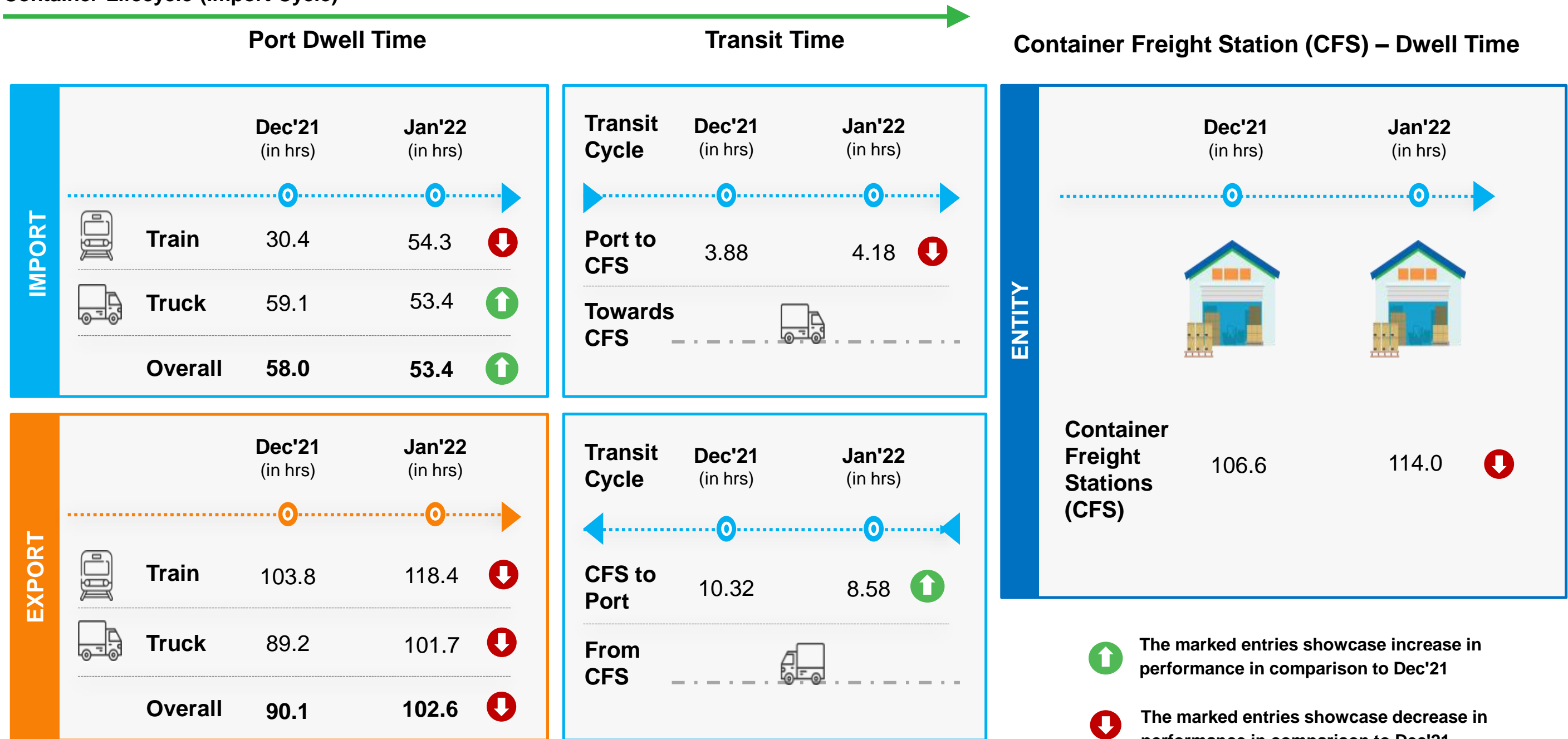
Annexure

Individual Terminal Performance In
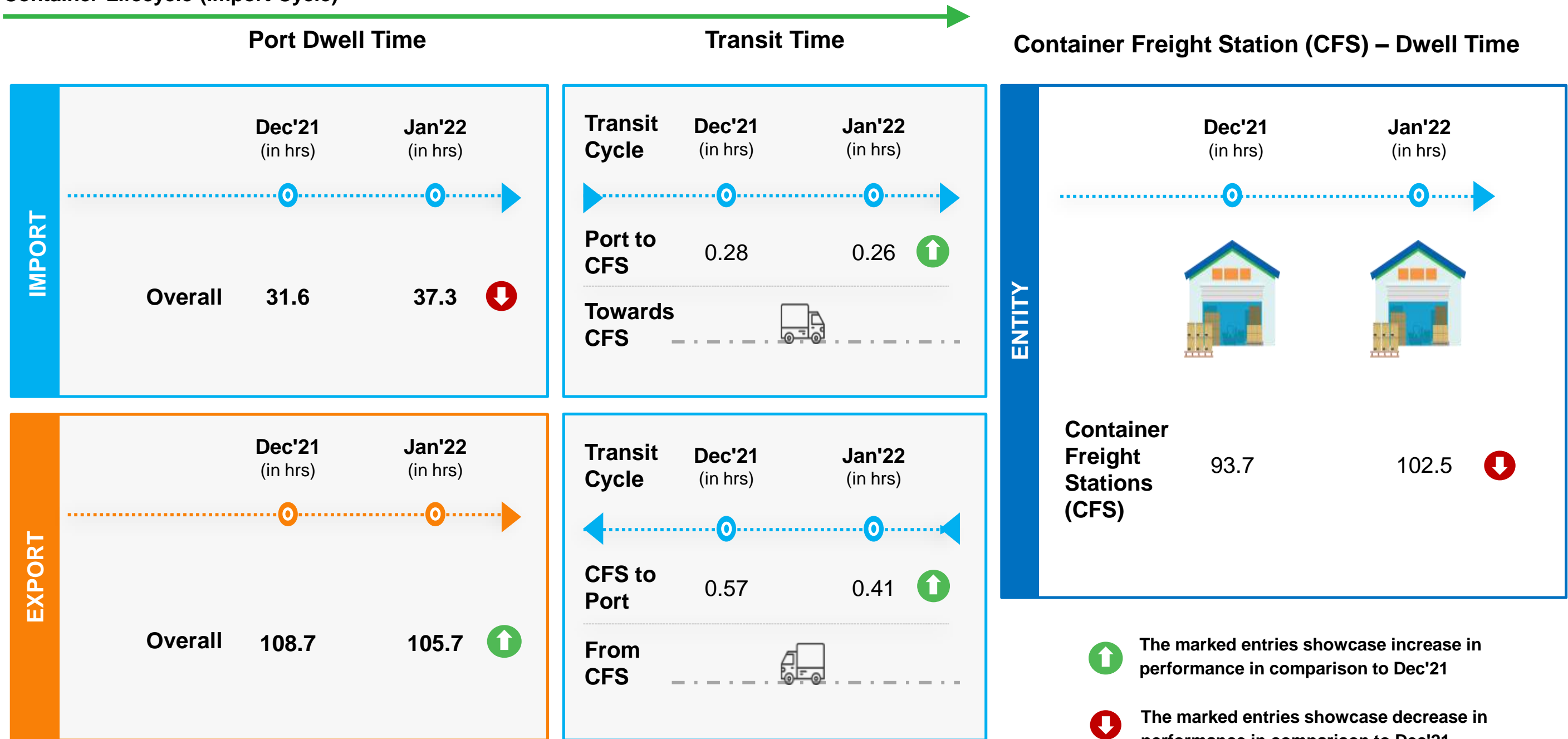—
Southern Corridor

Chennai Port Terminals: Container Transportation
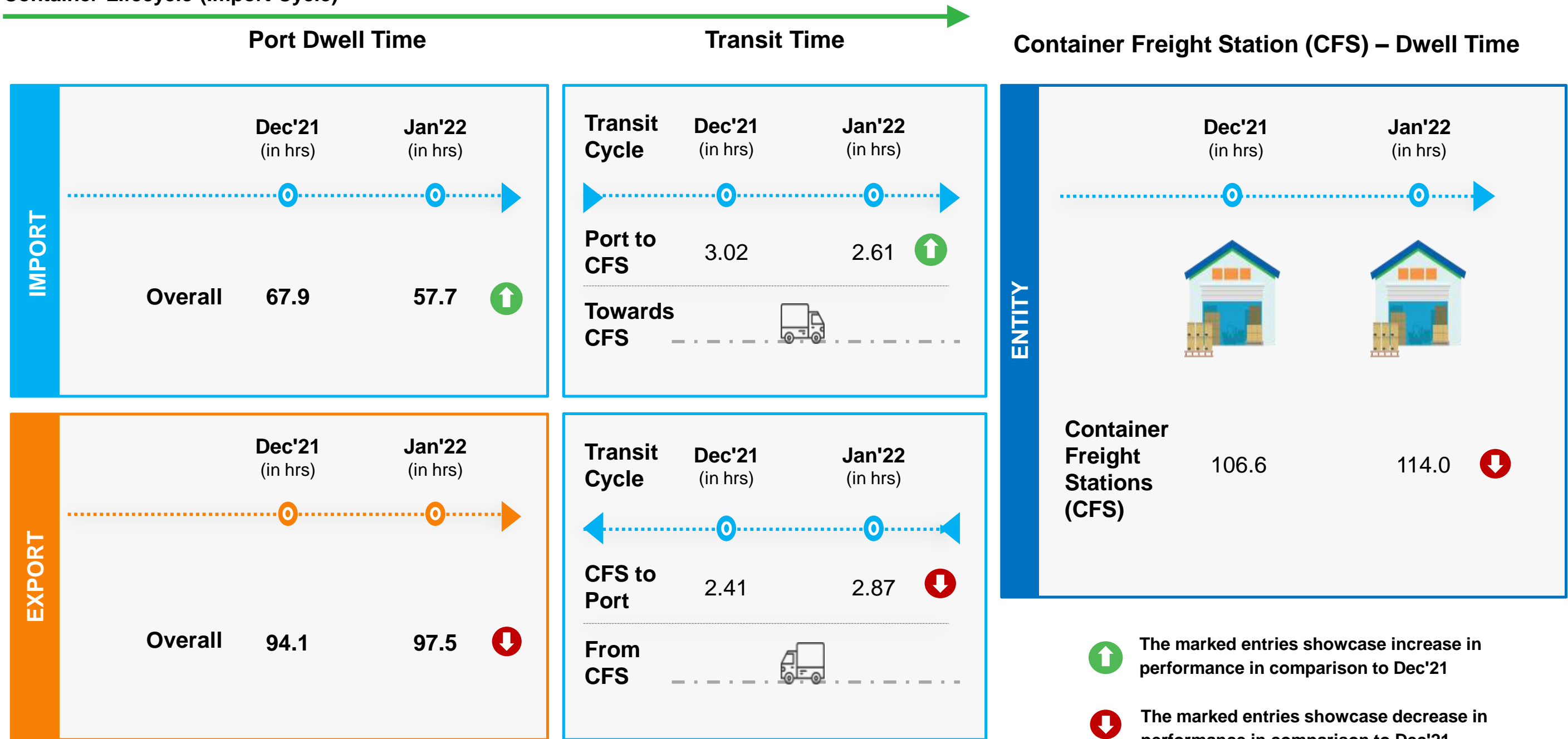
Container Lifecycle (Import Cycle) →

Port Dwell Time

IMPORT		Dec'21 (in hrs)	Jan'22 (in hrs)	
🚆	Train	30.4	54.3	🔻
🚚	Truck	59.1	53.4	🔺
	Overall	**58.0**	**53.4**	🔺

EXPORT		Dec'21 (in hrs)	Jan'22 (in hrs)	
🚆	Train	103.8	118.4	🔻
🚚	Truck	89.2	101.7	🔻
	Overall	**90.1**	**102.6**	🔻

Transit Time

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to CFS	3.88	4.18	🔻
Towards CFS			

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
CFS to Port	10.32	8.58	🔺
From CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	106.6	114.0	🔻

🔺 The marked entries showcase increase in performance in comparison to Dec'21

🔻 The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle) ←

Kochi Port Terminal: Container Transportation

NLDS
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

Transit Time

Container Freight Station (CFS) – Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	31.6	37.3	🔻

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to CFS	0.28	0.26	🟢⬆
Towards CFS			

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	93.7	102.5	🔻

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	108.7	105.7	🟢⬆

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
CFS to Port	0.57	0.41	🟢⬆
From CFS			

🟢⬆ The marked entries showcase increase in performance in comparison to Dec'21

🔻 The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle)

Kattupalli Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

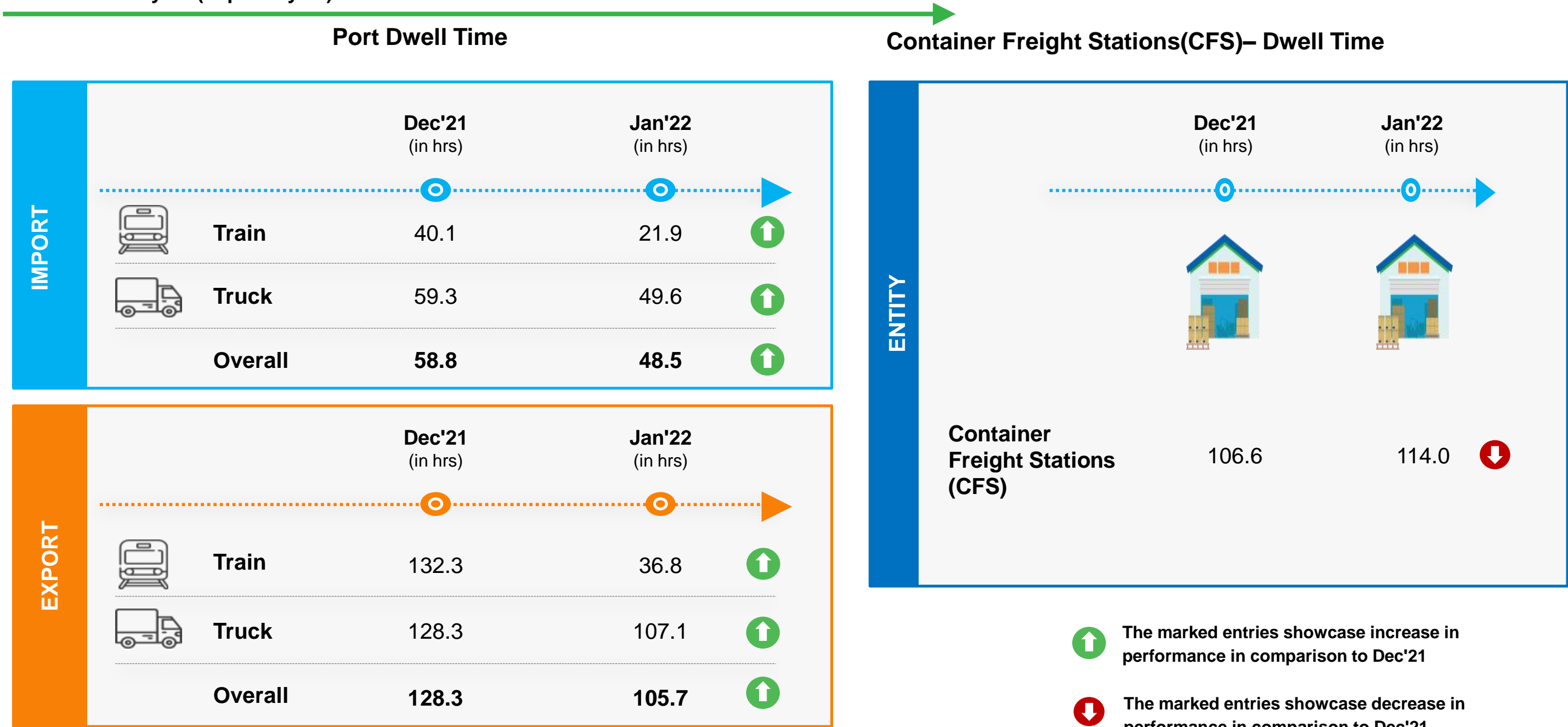| Port Dwell Time | Transit Time | Container Freight Station (CFS) – Dwell Time |

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	67.9	57.7 ⬆

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)
Port to CFS	3.02	2.61 ⬆
Towards CFS		

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)
Container Freight Stations (CFS)	106.6	114.0 ⬇

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	94.1	97.5 ⬇

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)
CFS to Port	2.41	2.87 ⬇
From CFS		

⬆ The marked entries showcase increase in performance in comparison to Dec'21

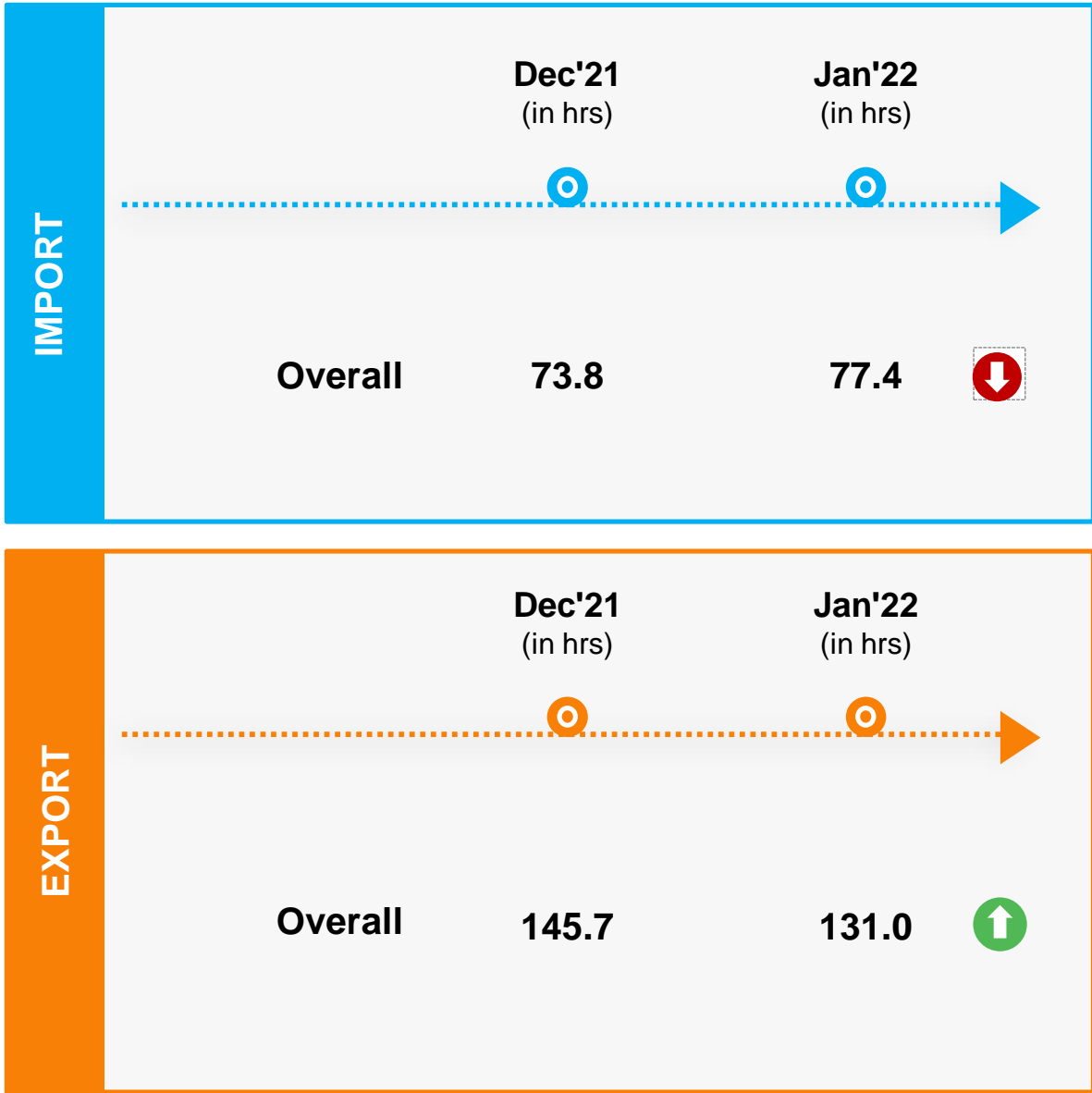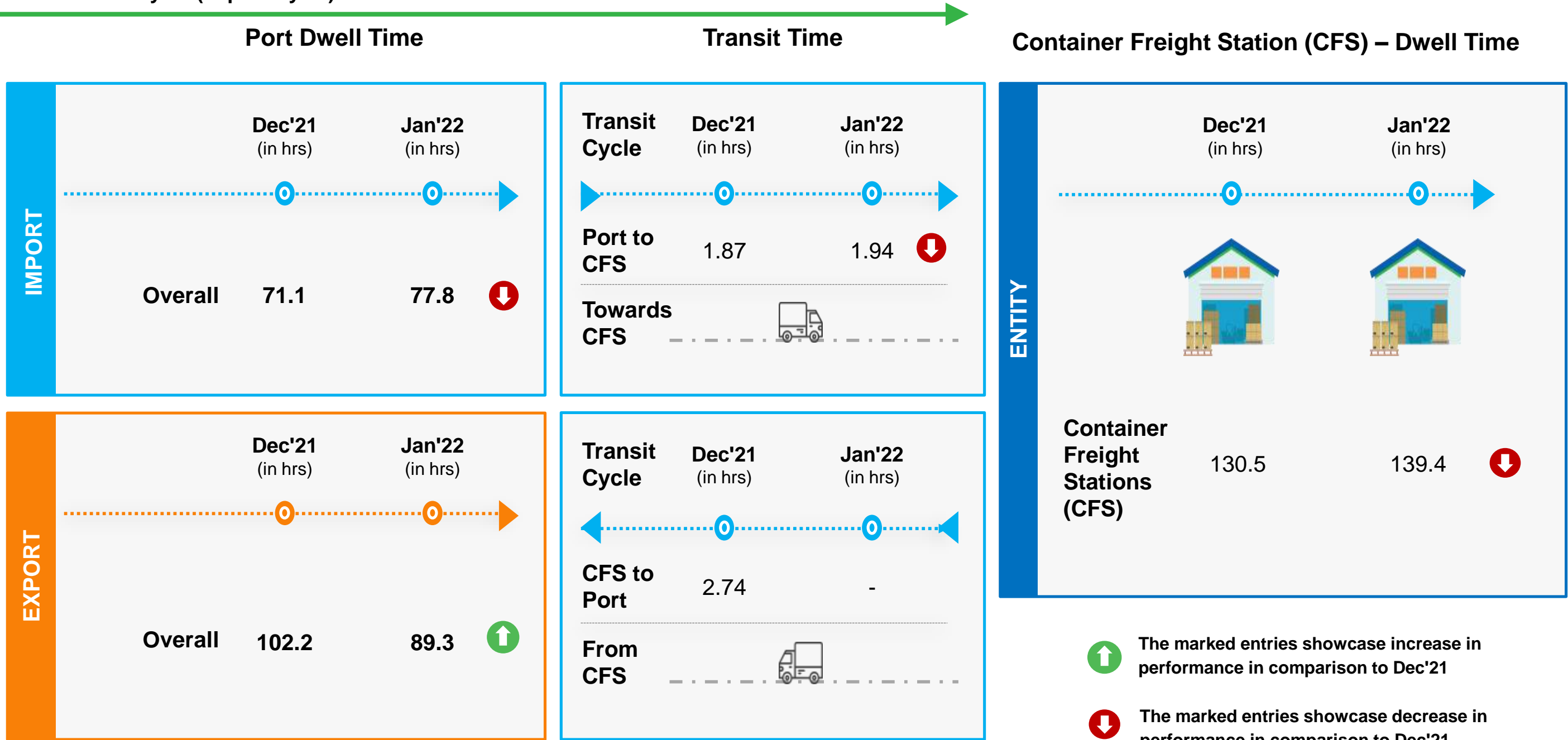⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle)

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

	Dec'21 (in hrs)	Jan'22 (in hrs)	
PSA SICAL	39.6	37.0	⬆
DBGT Port terminal	26.3	16.1	⬆
Overall	**28.6**	**20.5**	⬆

	Dec'21 (in hrs)	Jan'22 (in hrs)	
PSA SICAL	93.3	97.0	⬇
DBGT Port terminal	52.2	60.9	⬇
Overall	**57.6**	**67.7**	⬇

Transit Time

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to CFS	6.15	8.21	⬇
Towards CFS			

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
CFS to Port	1.43	1.67	⬇
From CFS			

Container Freight Station (CFS) – Dwell Time

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	111.5	98.6	⬆

IMPORT

EXPORT

ENTITY

⬆ The marked entries showcase increase in performance in comparison to Dec'21

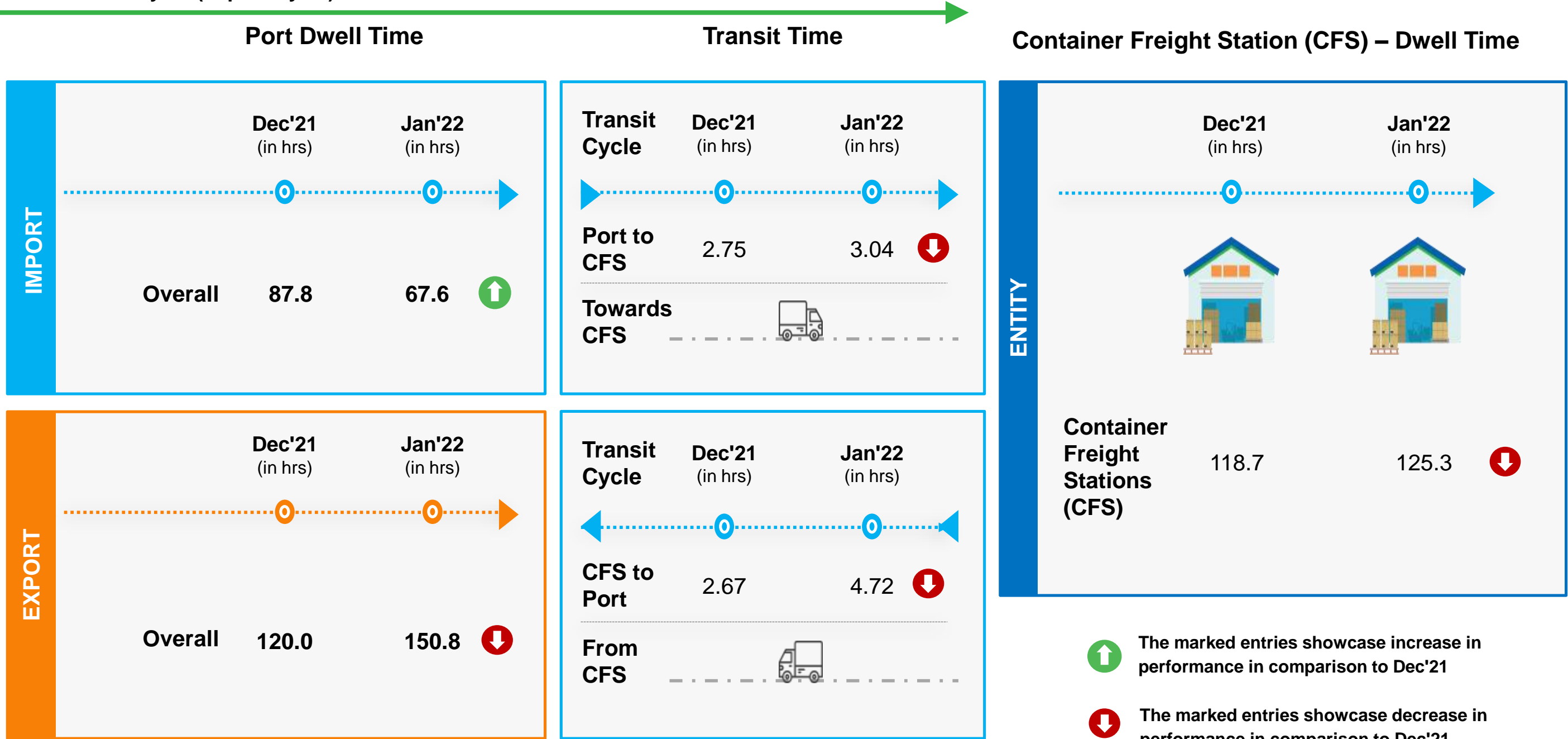⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle)

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	**19.1**	**16.2**	⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	**86.5**	**55.3**	⬆

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) – Dwell Time

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	93.3	116.3	⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21
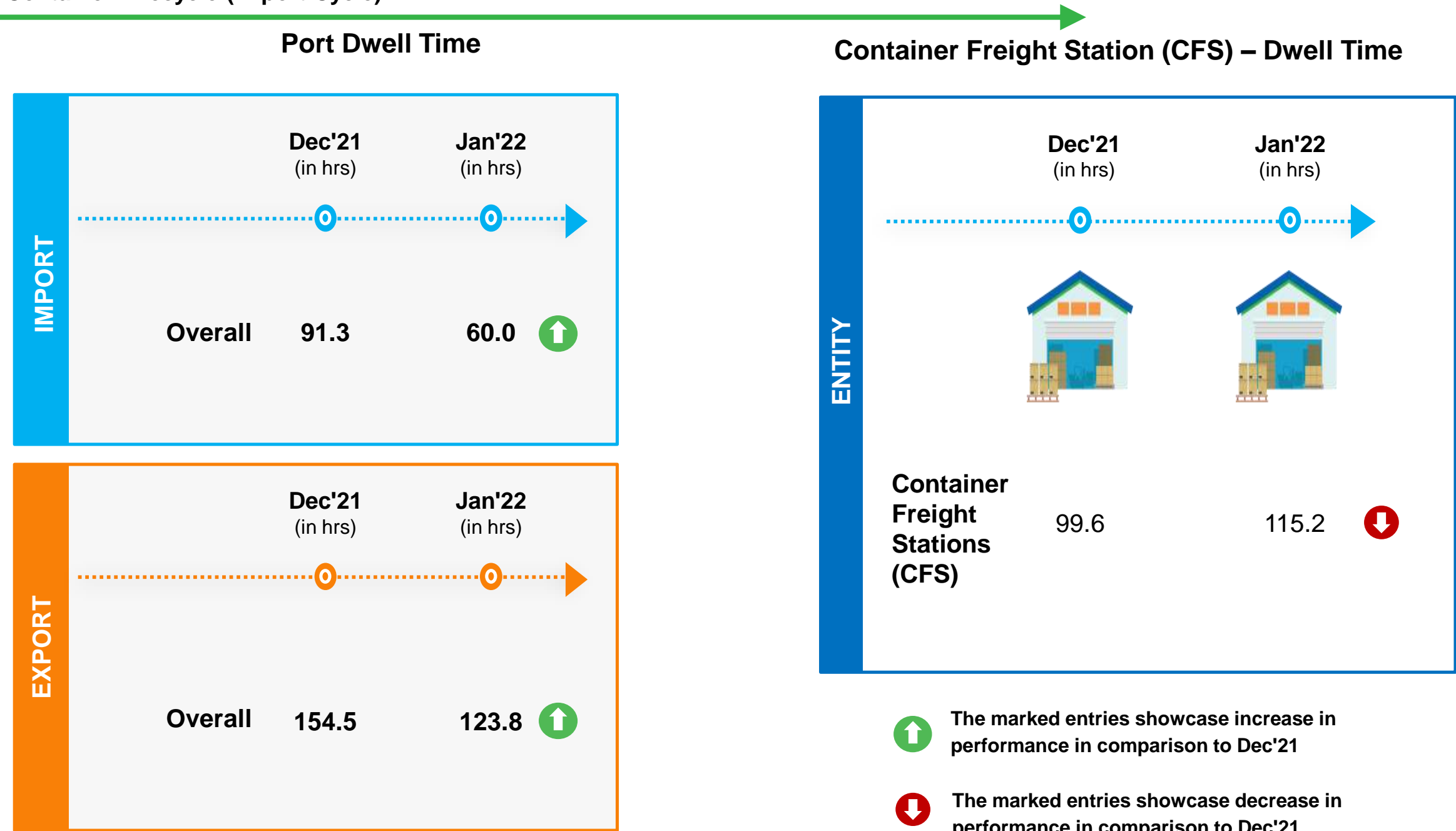
Ennore Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	40.1	21.9	⬆
Truck	59.3	49.6	⬆
Overall	**58.8**	**48.5**	⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	132.3	36.8	⬆
Truck	128.3	107.1	⬆
Overall	**128.3**	**105.7**	⬆

Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	106.6	114.0	⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

New Mangalore Port Terminal: Container Transportation

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	73.8	77.4	🔻

EXPORT

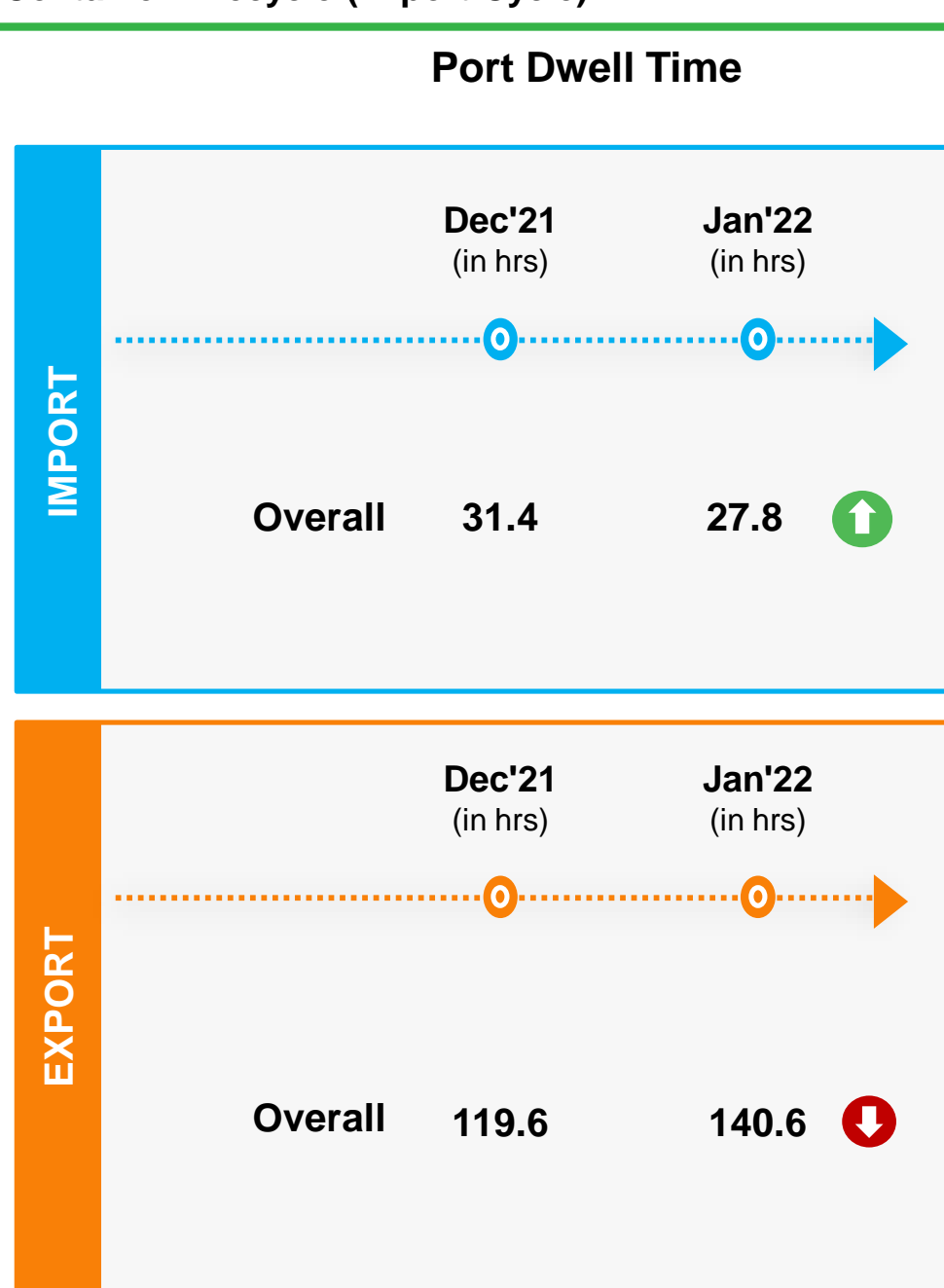|	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	145.7	131.0	🔼

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Individual Terminal Performance In

Eastern Corridor

Vishakhapatnam Port Terminal: Container Transportation

NLDS Logistics Redefined

Container Lifecycle (Import Cycle)

	Port Dwell Time	Transit Time	Container Freight Station (CFS) – Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	71.1	77.8 🔻

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)
Port to CFS	1.87	1.94 🔻
Towards CFS		

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	102.2	89.3 🟢

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)
CFS to Port	2.74	-
From CFS		

Container Freight Stations (CFS) 130.5 139.4 🔻

🟢 The marked entries showcase increase in performance in comparison to Dec'21

🔻 The marked entries showcase decrease in performance in comparison to Dec'21

Due to high variation in transit time from CFS to Port, Jan'22 value has been removed.

Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle) →

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	33.0	32.0	⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	118.1	128.3	⬇

Container Lifecycle (Export Cycle) ←

Transit Time

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to CFS	1.15	1.10	⬆
Towards CFS			

Transit Cycle

	Dec'21 (in hrs)	Jan'22 (in hrs)	
CFS to Port	1.24	1.01	⬆
From CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	122.1	123.1	⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Haldia Port Terminal: Container Transportation

NLDS
Logistics Redefined

Container Lifecycle (Import Cycle) →

Port Dwell Time	**Transit Time**	**Container Freight Station (CFS) – Dwell Time**

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	87.8	67.6	⬆

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to CFS	2.75	3.04	🔻
Towards CFS			

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	118.7	125.3	🔻

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Overall	120.0	150.8	🔻

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
CFS to Port	2.67	4.72	🔻
From CFS			

⬆ The marked entries showcase increase in performance in comparison to Dec'21

🔻 The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle) ←

Pipavav Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	91.3	60.0 ⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	154.5	123.8 ⬆

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) – Dwell Time

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)
Container Freight Stations (CFS)	99.6	115.2 ⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Kandla Port Terminal: Container Transportation

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	**54.2**	**48.4** ⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	**133.1**	**140.4** ⬇

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

Container Freight Station (CFS) – Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	31.4	27.8 ⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall	119.6	140.6 ⬇

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)
Container Freight Stations (CFS)	93.7	93.2 ⬆

⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle)
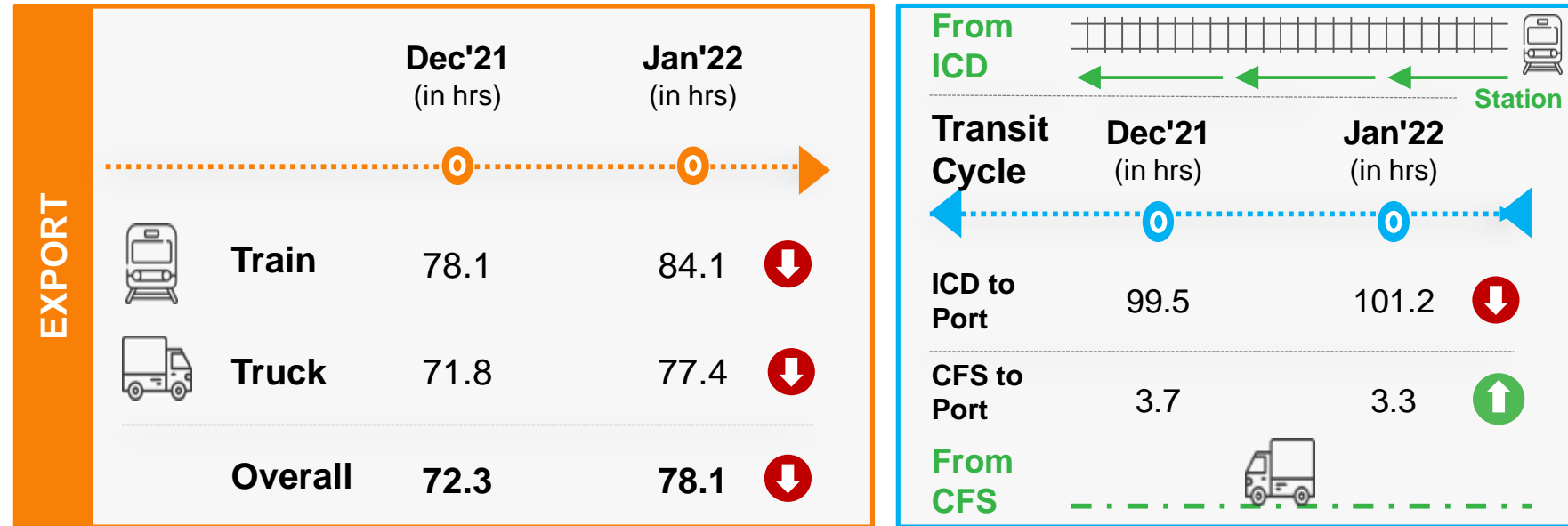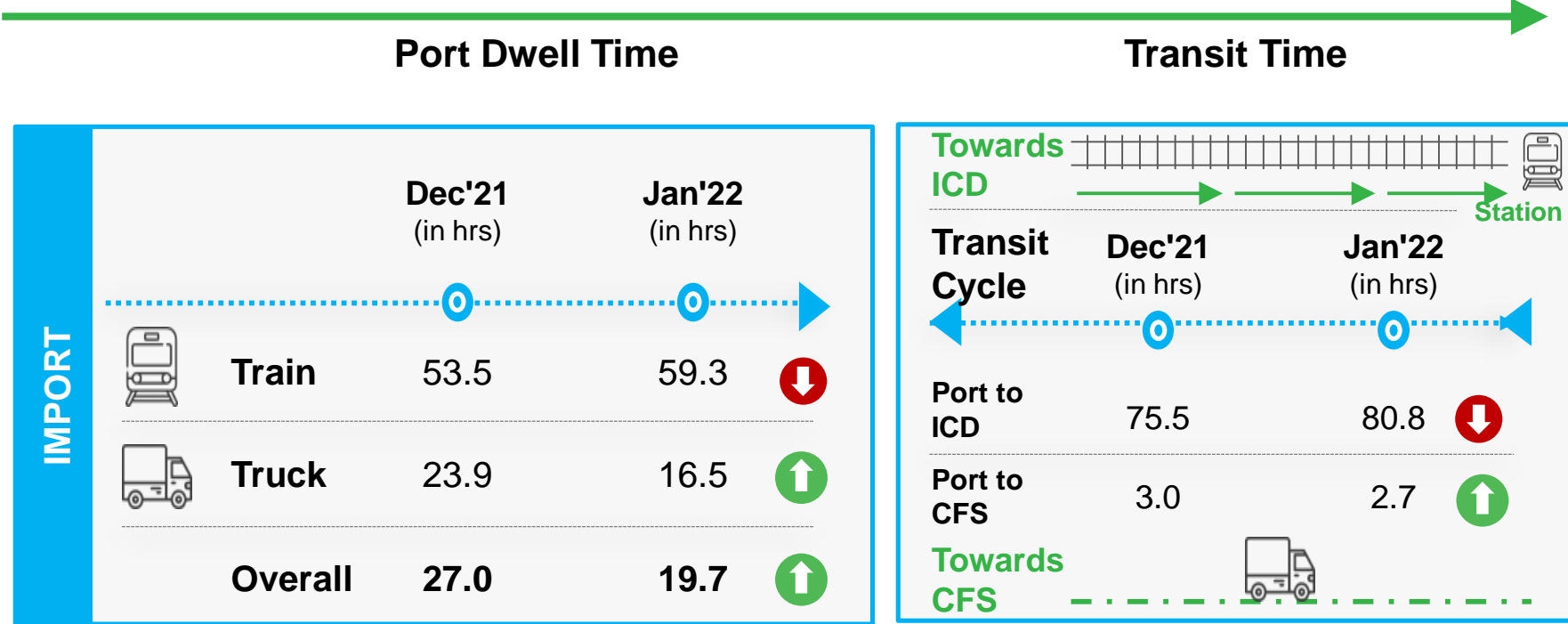
Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	53.5	59.3	⬇
Truck	23.9	16.5	⬆
Overall	**27.0**	**19.7**	⬆

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	78.1	84.1	⬇
Truck	71.8	77.4	⬇
Overall	**72.3**	**78.1**	⬇

Container Lifecycle (Export Cycle)

Transit Time

Towards ICD — Station

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to ICD	75.5	80.8	⬇
Port to CFS	3.0	2.7	⬆

Towards CFS

From ICD — Station

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
ICD to Port	99.5	101.2	⬇
CFS to Port	3.7	3.3	⬆

From CFS

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

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	86.2	93.2	⬇
Inland Container Depot (ICD)	119.9	121.3	⬇

Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	21%	18%
Truck	79%	82%
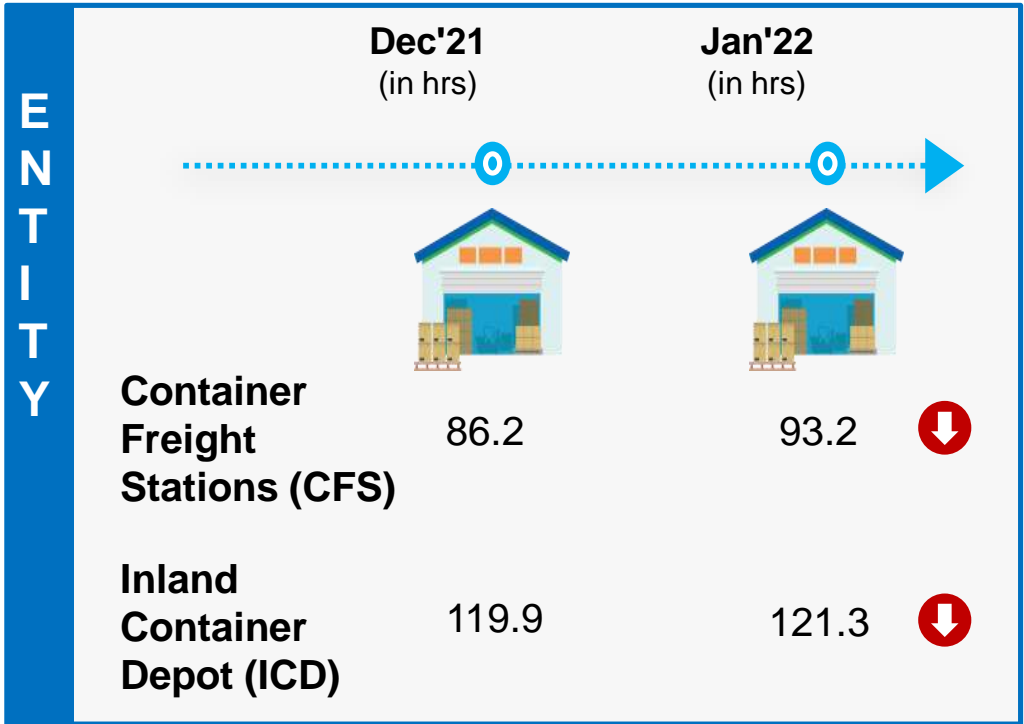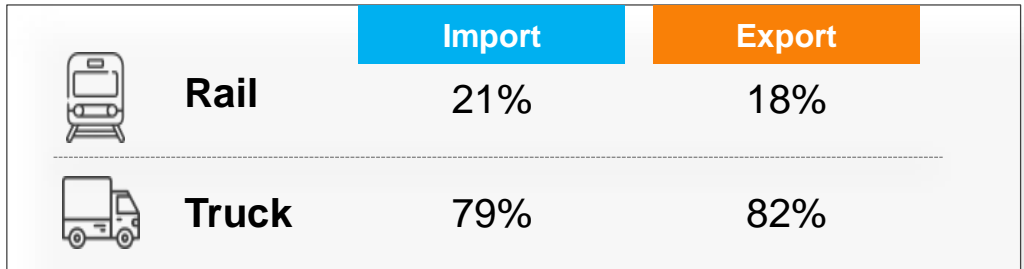
⬆ The marked entries showcase increase in performance in comparison to Dec'21

⬇ The marked entries showcase decrease in performance in comparison to Dec'21

Container Transportation- JNPT Port Terminals

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

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	19.7	27%	⬆
	Port Dwell Time for Truck Bound Containers	16.5	31%	⬆
	Port Dwell time for Train Bound Containers	59.3	11%	⬇
	Port Dwell time Direct Port Delivery (DPD) containers	33.7	23%	⬆
	Port Dwell time Containers bound for CFS	15.1	27%	⬆
	Port Dwell for Empty Containers	27.0	22%	⬆
	Port Dwell for Laden Containers	17.6	31%	⬆
Transit time	Port to ICD	80.8	7%	⬇
	Port to CFS	2.70	11%	⬆

Compared to Dec'21

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

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	78.1	8%	⬇
	Port Dwell Time for Truck Bound Containers	77.4	8%	⬇
	Port Dwell time for Train Bound Containers	84.1	8%	⬇
	Port Dwell time Direct Port Entry (DPE) containers	82.5	0.1%	⬇
	Port Dwell time Containers bound from CFS	76.3	9%	⬇
	Port Dwell for Empty Containers	66.6	11%	⬇
	Port Dwell for Laden Containers	80.4	5%	⬇
Transit time	ICD to Port	101.2	2%	⬇
	CFS to Port	3.30	12%	⬆

Compared to Dec'21

⬆⬇ The arrows depict increase/decrease in performance of the stakeholders in comparison to Dec'21

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	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall Parking Plaza	5.51	5.40

Container Handled: Day wise (Jan'22)

Parking Plaza	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	56%	41%	3%

Parking Plaza Gate Out – Terminal In

Mode	Dec'21 (in hrs)	Jan'22 (in hrs)
Overall Parking Plaza to JNPT Port	1.68	1.22

Port	Dec'21 (in hrs)	Jan'22 (in hrs)
JNPCT	1.1	1.2
NSICT	1.2	1.0
GTI	1.4	0.8
NSIGT	1.8	0.7
BMCT	4.0	3.7

Container Handled: Day wise (Jan'22)

Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	94%	5%	1%
NSICT	93%	6%	1%
GTI	97%	3%	0%
NSIGT	96%	3%	1%
BMCT	81%	19%	0%

Mundra Port Terminal : Container Transportation

NLDS
NICDC Logistics Data Services Ltd
Logistics Redefined

Container Lifecycle (Import Cycle) →

Port Dwell Time

IMPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	78.8	93.5	🔴
Truck	15.2	13.1	🟢
Overall	**25.7**	**23.2**	🟢

EXPORT

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Train	161.8	184.5	🔴
Truck	104.8	113.1	🔴
Overall	**117.7**	**132.1**	🔴

Transit Time

Towards ICD — Station

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
Port to ICD	90.2	99.5	🔴
Port to CFS	0.89	0.90	🔴

Towards CFS

From ICD — Station

Transit Cycle	Dec'21 (in hrs)	Jan'22 (in hrs)	
ICD to Port	68.1	73.4	🔴
CFS to Port	0.58	0.56	🟢

From CFS

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

ENTITY

	Dec'21 (in hrs)	Jan'22 (in hrs)	
Container Freight Stations (CFS)	85.3	86.4	🔴
Inland Container Depot (ICD)	119.9	121.3	🔴

Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	34%	36%
Truck	66%	64%

🟢 The marked entries showcase increase in performance in comparison to Dec'21

🔴 The marked entries showcase decrease in performance in comparison to Dec'21

Container Lifecycle (Export Cycle) ←

Container Transportation- Mundra Port Terminal

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

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	23.2	10%	▲
	Port Dwell Time for Truck Bound Containers	13.1	14%	▲
	Port Dwell time for Train Bound Containers	93.5	19%	▼
Transit time	Port to ICD	99.5	10%	▼
	Port to CFS	0.90	1%	▼

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

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	132.1	12%	▼
	Port Dwell Time for Truck Bound Containers	113.1	8%	▼
	Port Dwell time for Train Bound Containers	184.5	14%	▼
Transit time	ICD to Port	73.4	8%	▼
	CFS to Port	0.56	3%	▲

Compared to Dec'21

▲▼ The arrows depict increase/decrease in performance of the stakeholders in comparison to Dec'21

Congestion Analysis

JNPT Region: Congestion Analysis

JNPT – Import – Dec'21

JNPT – Export – Dec'21
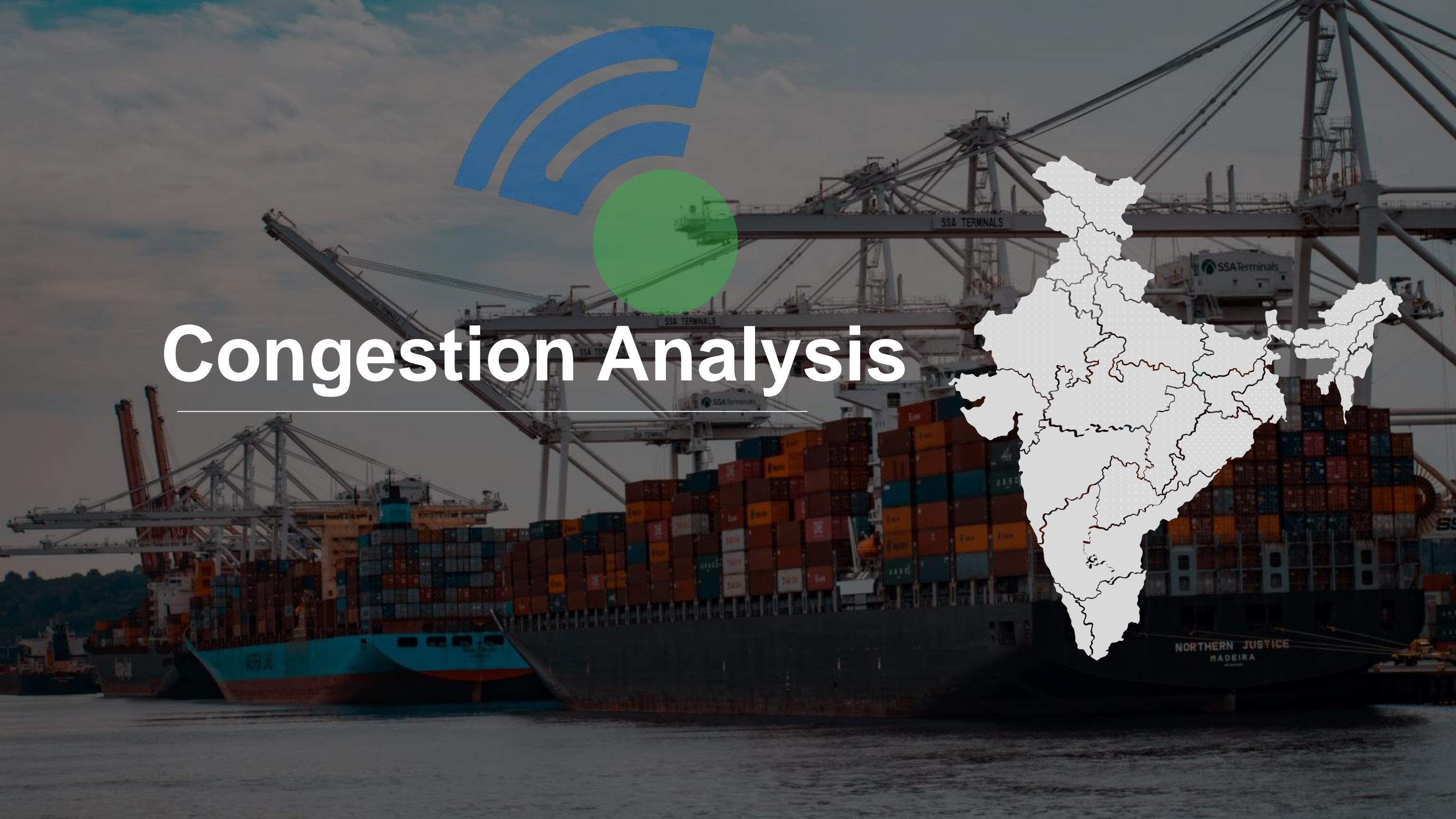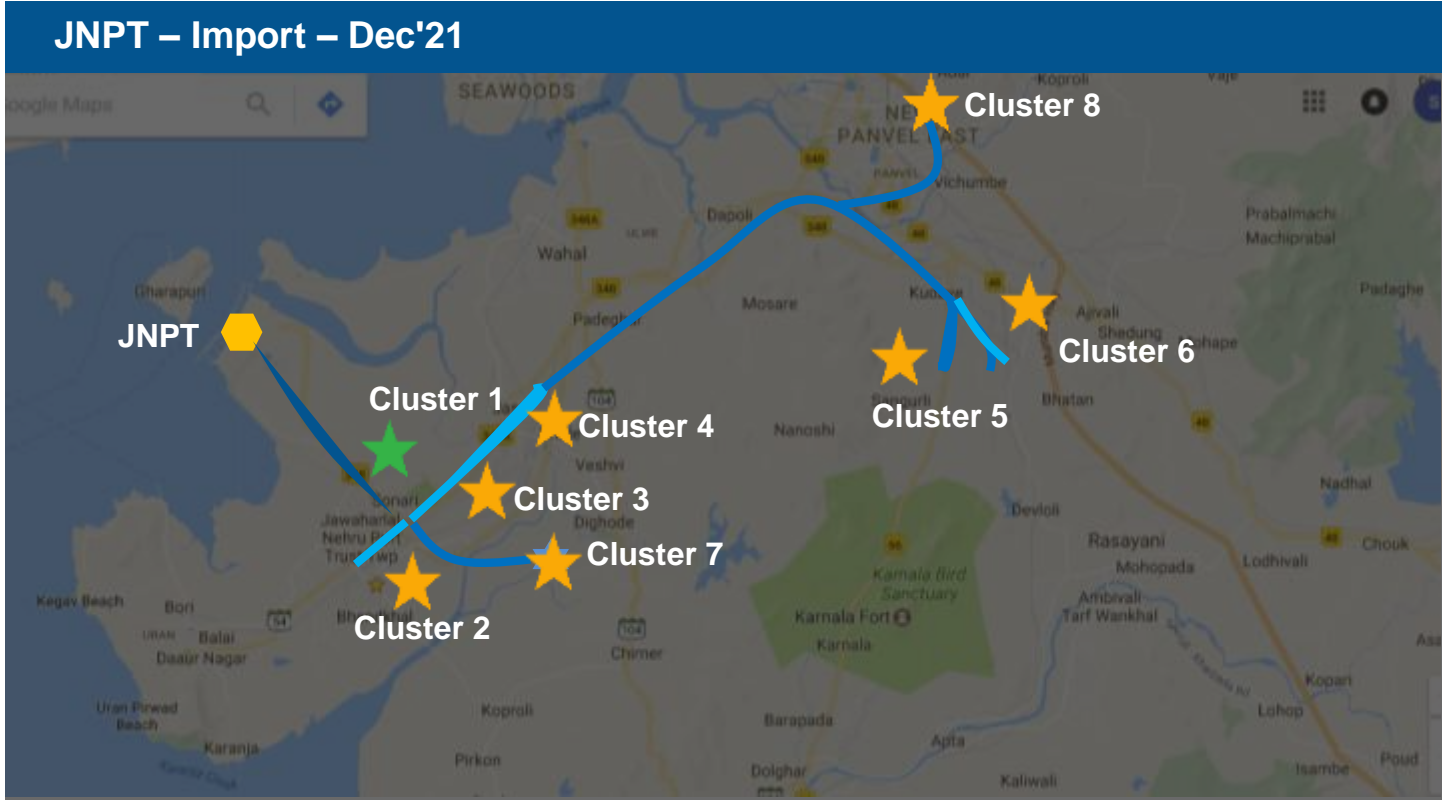
Clusters with bottleneck

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
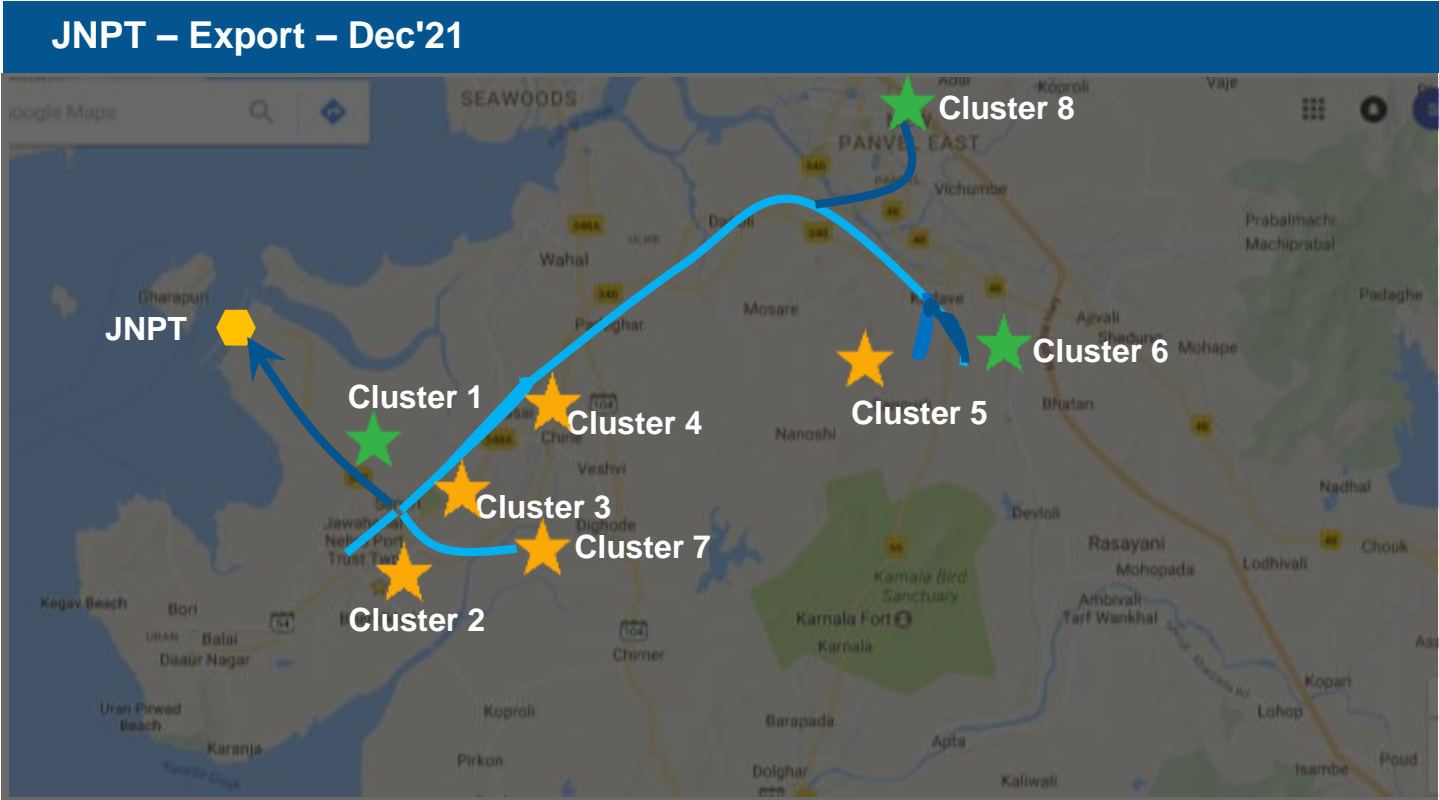
Clusters with bottleneck

Cluster 1	JNPT area
Cluster 6	Salva apta rd area, bangalore highway
Cluster 8	Taloja, navi mumbai

Clusters without bottleneck

Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area, JNPT road
Cluster 4	Chirle area, JNPT road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 7	Patilpada area, khopate JNPT road

Legends ▬▬ High Congestion ▬▬ Medium Congestion ▬▬ Low Congestion ★ Cluster with bottleneck ★ Cluster without bottleneck

Mundra Region: Congestion Analysis
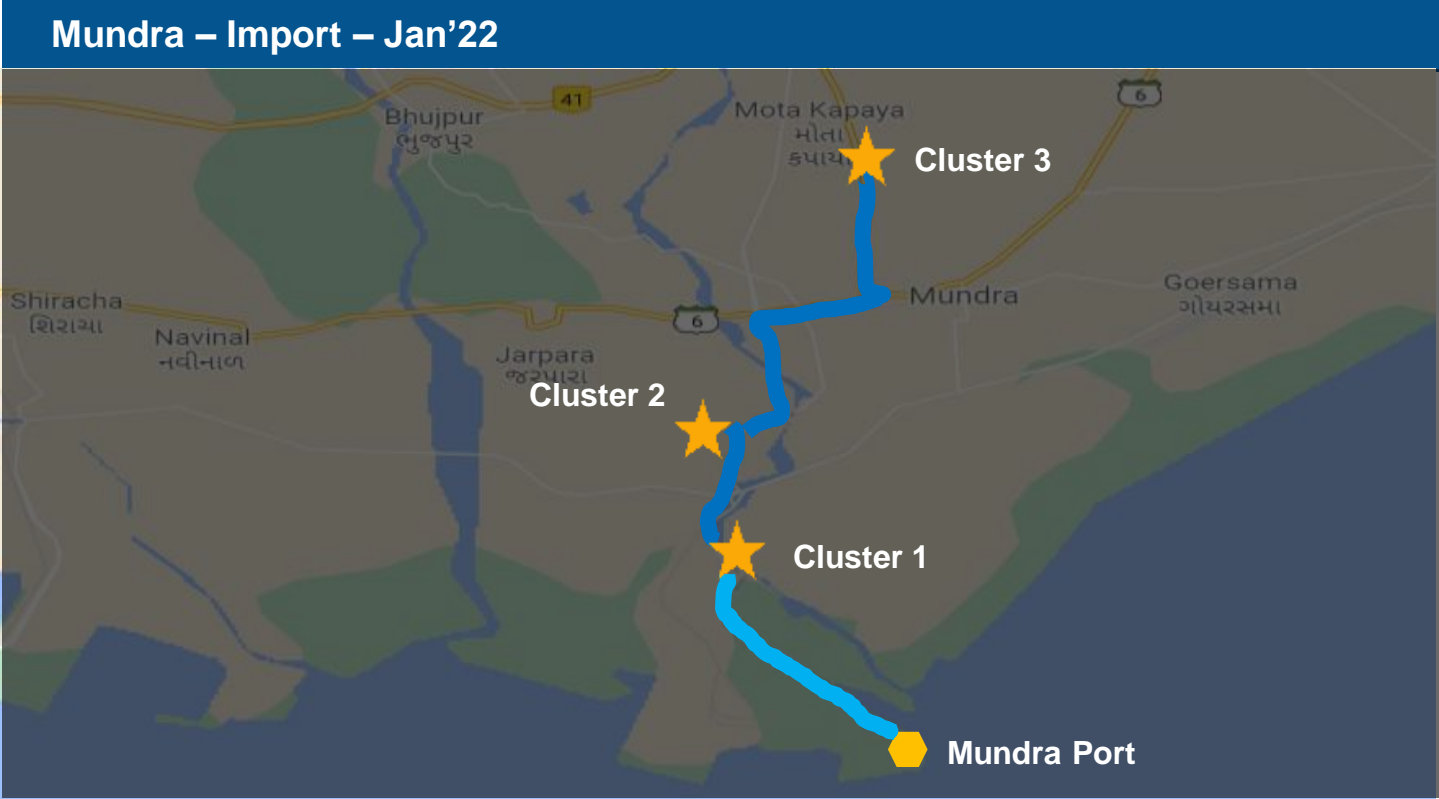
Mundra – Import – Jan'22

Cluster 3

Cluster 2

Cluster 1

Mundra Port

Clusters with bottleneck

Clusters without bottleneck

Cluster 1	APSEZ area
Cluster 2	Hind circle
Cluster 3	Motakapaya

Mundra – Export – Jan'22

Cluster 3

Cluster 2

Cluster 1

Mundra Port

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

Chennai – Import – Jan'22
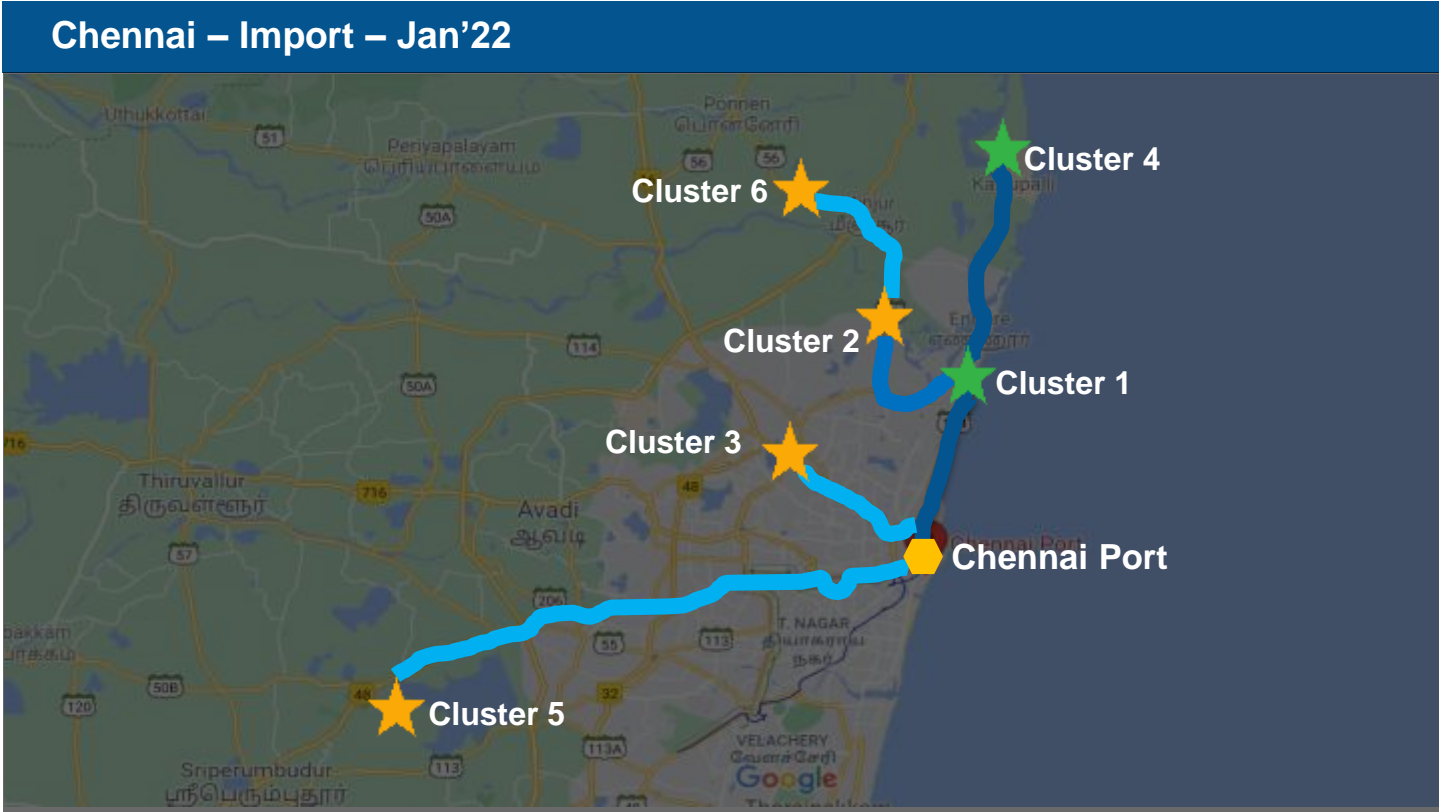
Clusters with bottleneck

Cluster 1	Chennai port bound area
Cluster 4	Kattupalli port bound area

Clusters without bottleneck

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

Chennai – Export – Jan'22
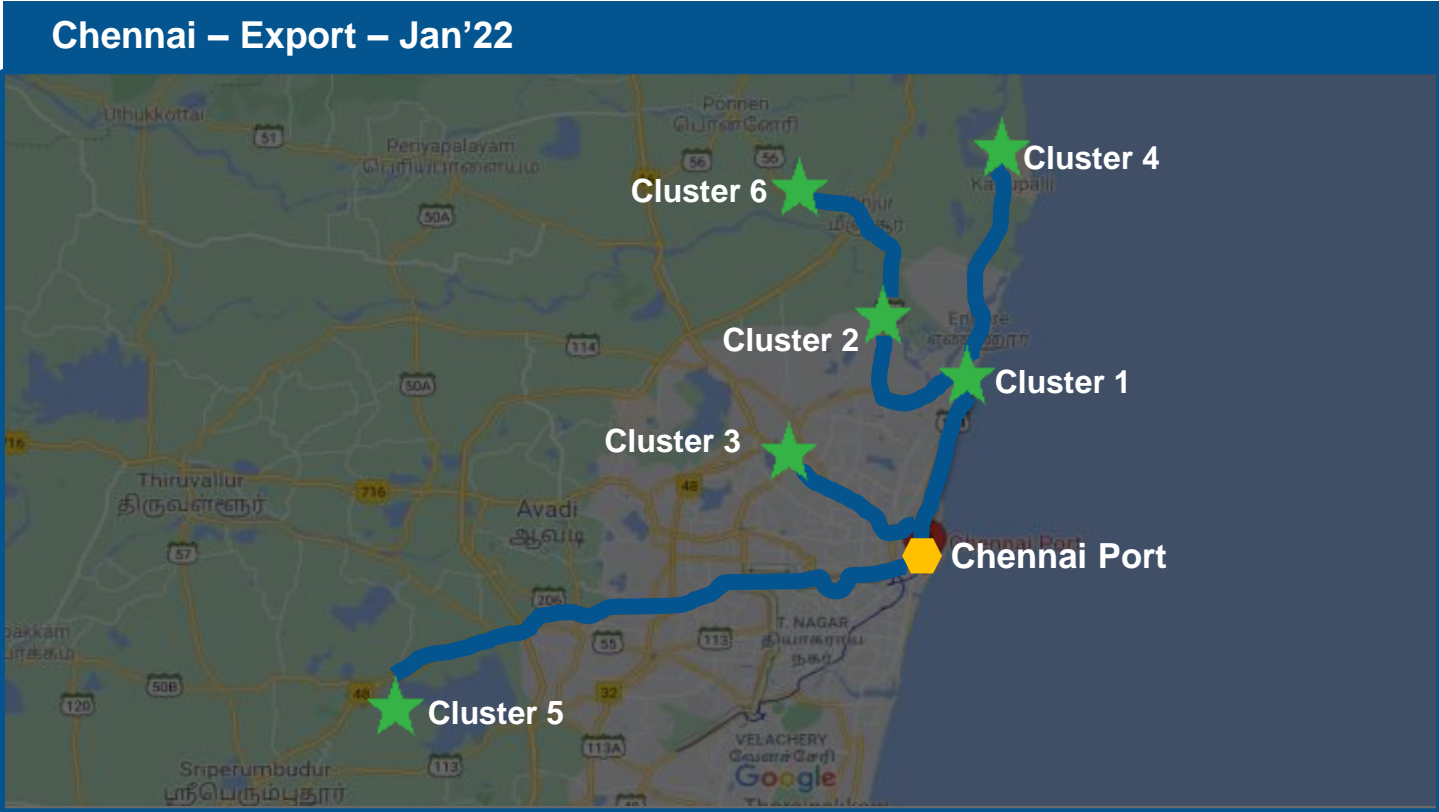
Clusters with bottleneck

Cluster 1	Chennai port bound area
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

Clusters without bottleneck

Legends — High Congestion — Medium Congestion — Low Congestion ★ Cluster with bottleneck ★ Cluster without bottleneck

Tuticorin Region: Congestion Analysis
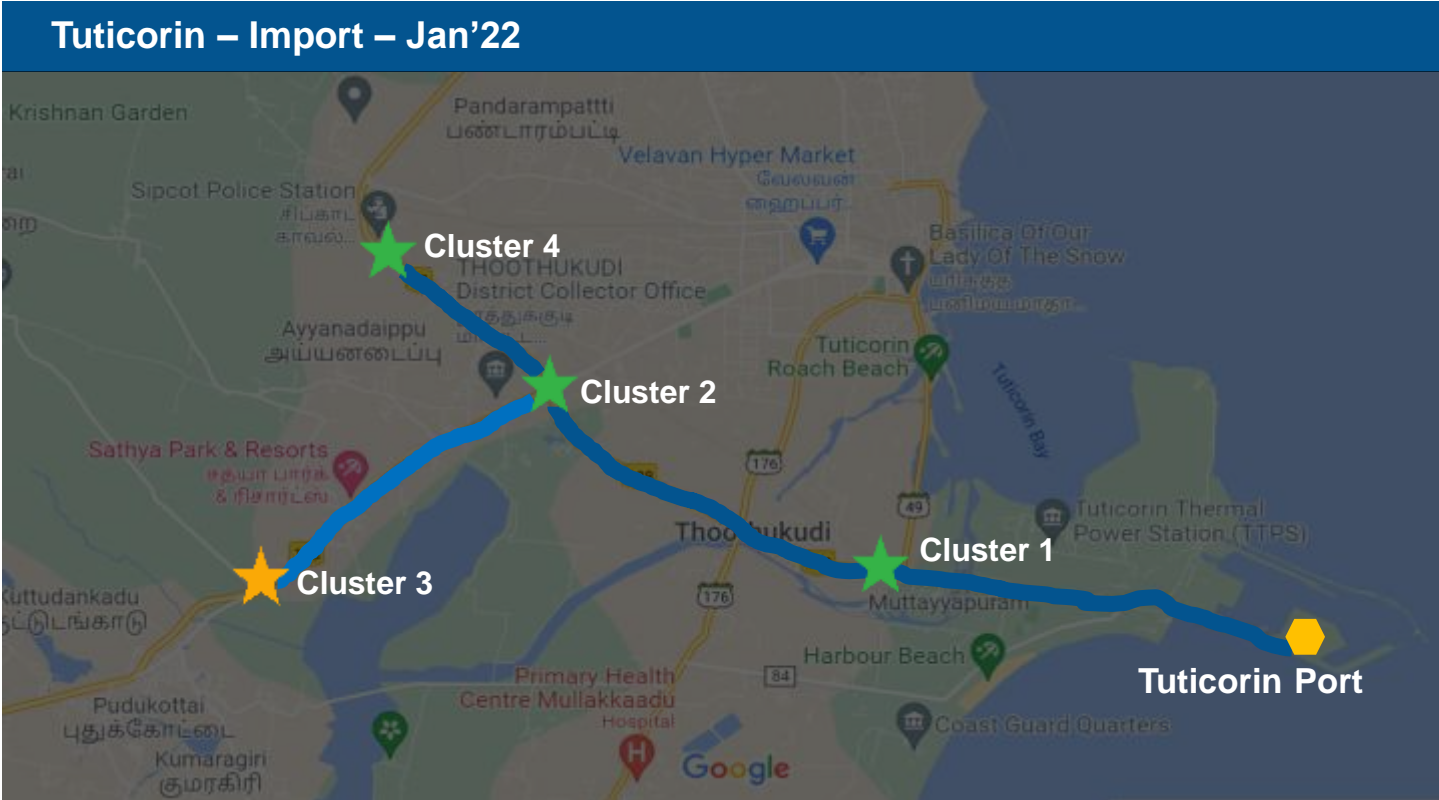
Tuticorin – Import – Jan'22

Tuticorin – Export – Jan'22

Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 4	Sipcot area near by Madurai road

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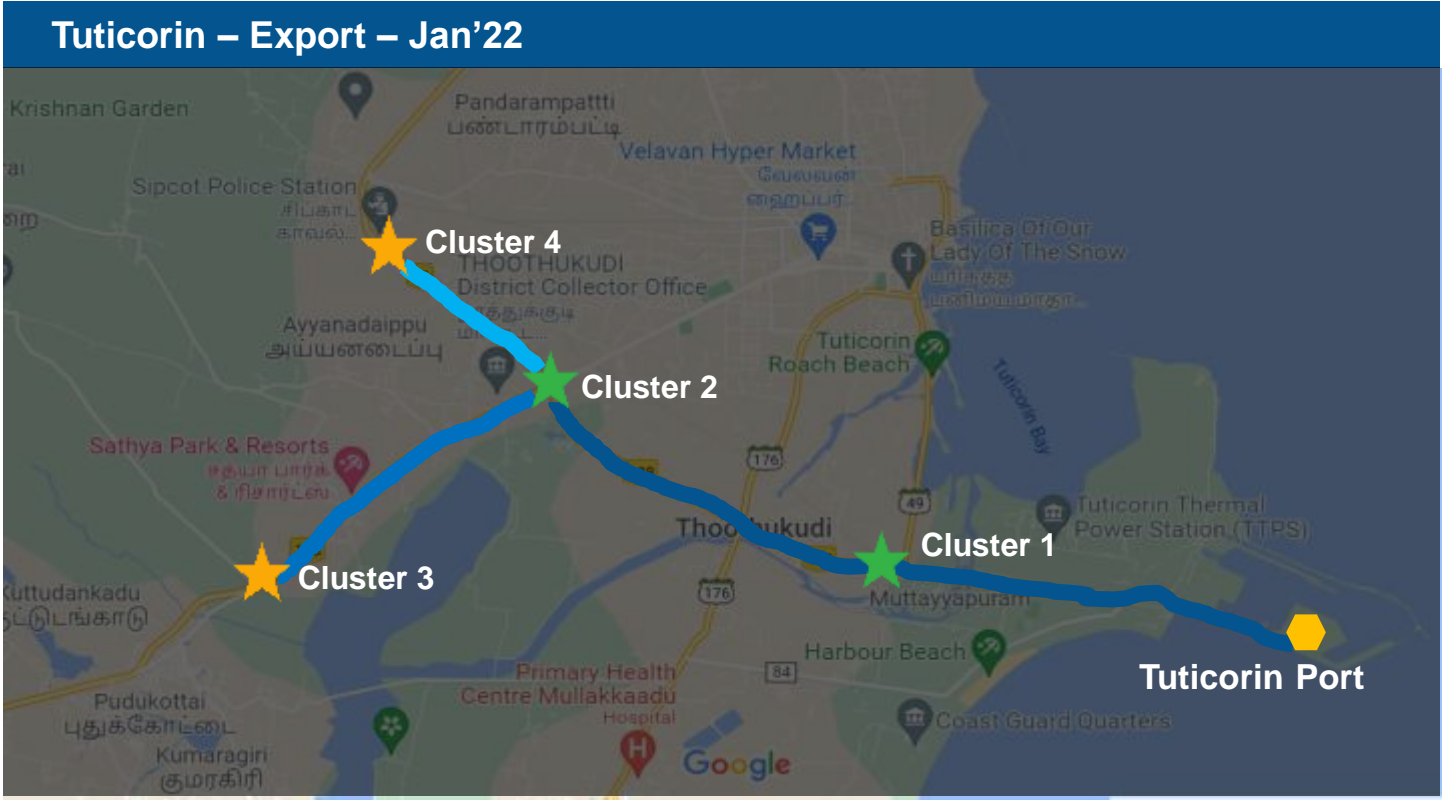
Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road

Clusters without bottleneck	
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

Kolkata – Import – Jan'22
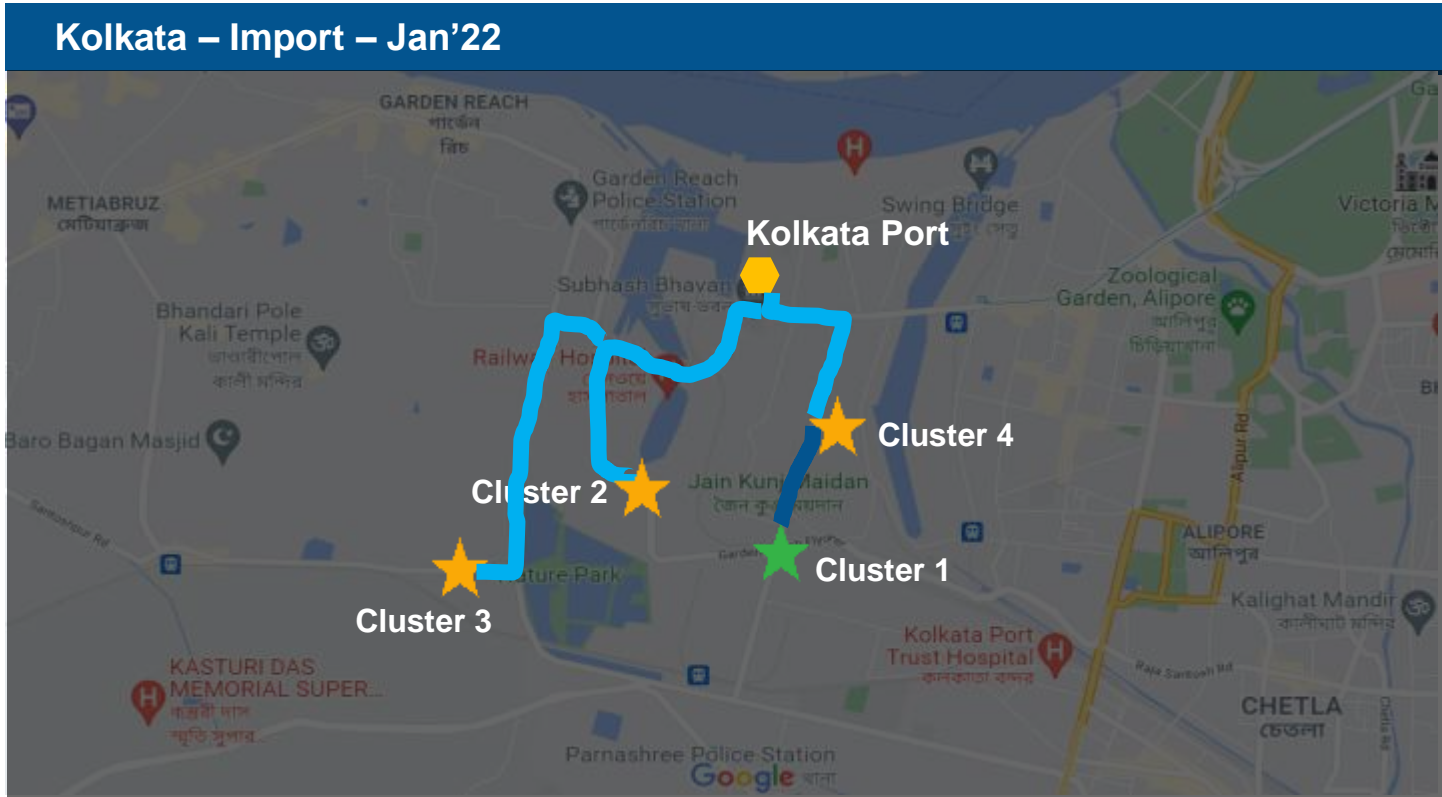
Clusters with bottleneck	
Cluster 1	Base bridge area

Clusters without bottleneck	
Cluster 2	Sonapur road area
Cluster 3	Nature park area
Cluster 4	Babu bazar area

Kolkata – Export – Jan'22
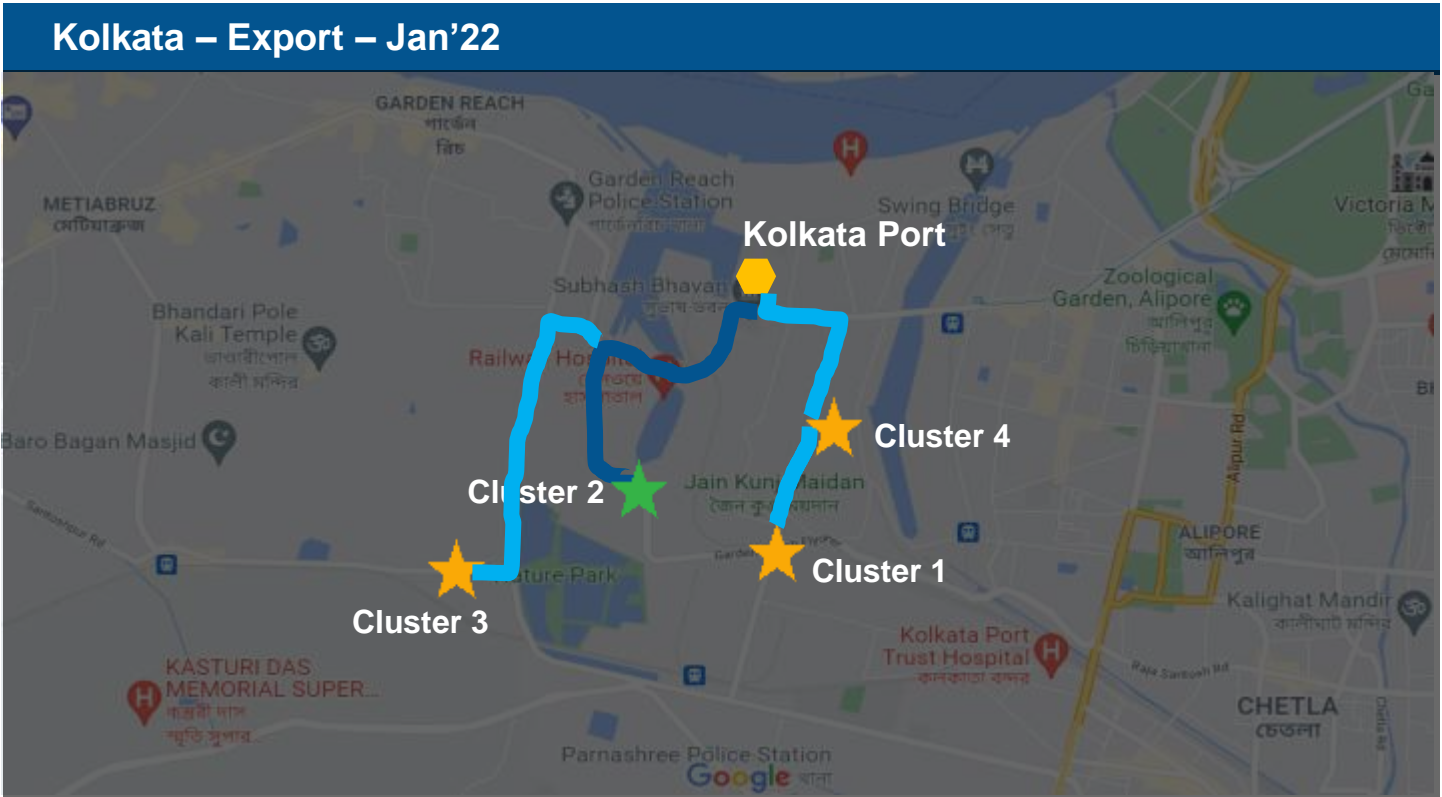
Clusters with bottleneck	
Cluster 2	Sonapur road area

Clusters without bottleneck	
Cluster 1	Base bridge area
Cluster 3	Nature park area
Cluster 4	Babu bazar area

Legends — High Congestion — Medium Congestion — Low Congestion ★ Cluster with bottleneck ★ Cluster without bottleneck

Haldia Region: Congestion Analysis

Haldia – Import – Jan'22

Clusters with bottleneck

| Cluster 1 | Talpukur area, Kolkata highway |
| Cluster 2 | City centre area, Kolkata highway |

Clusters without bottleneck

| Cluster 3 | Silpodanga area |

Haldia – Export – Jan'22

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
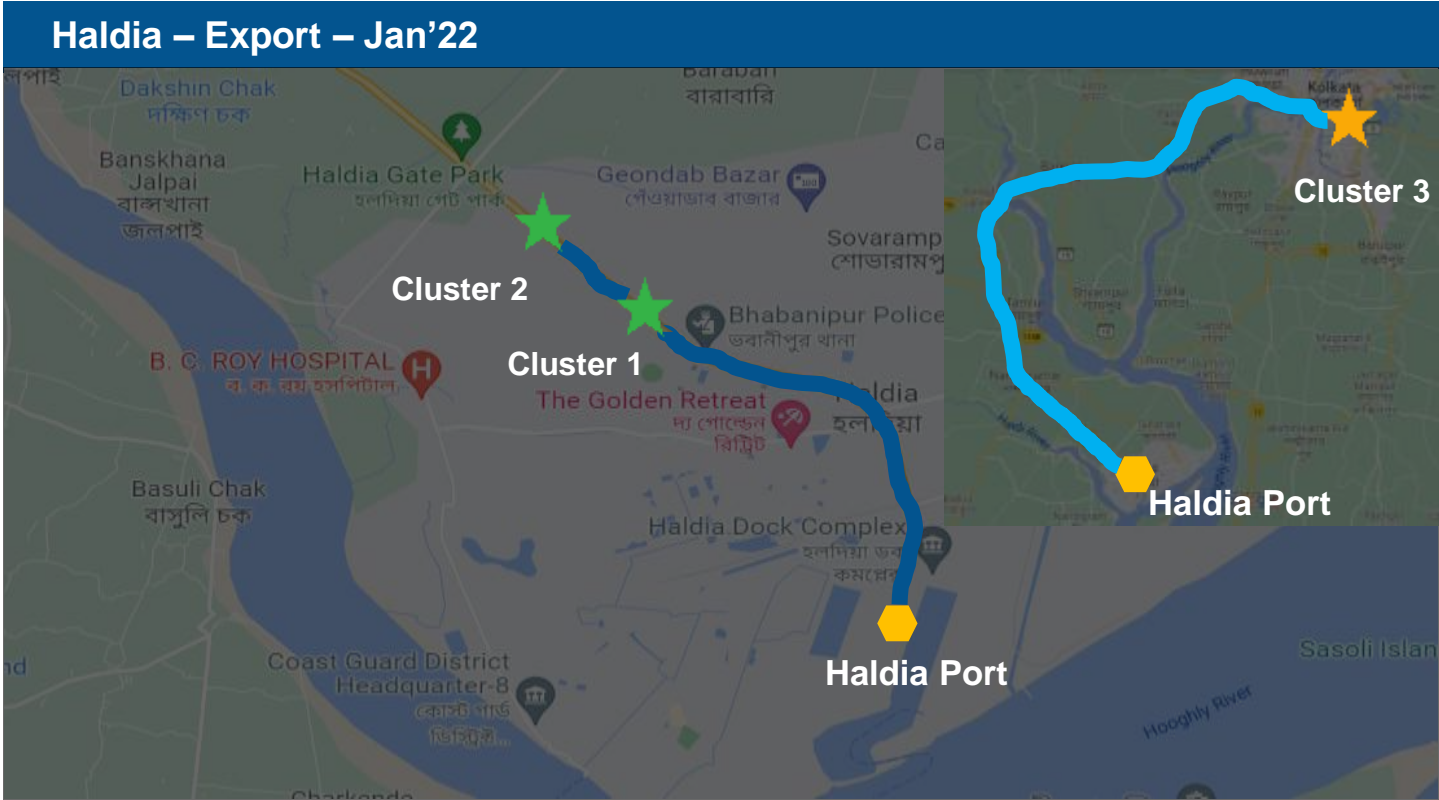
Visakhapatnam Region: Congestion Analysis

Visakhapatnam – Import – Jan'22
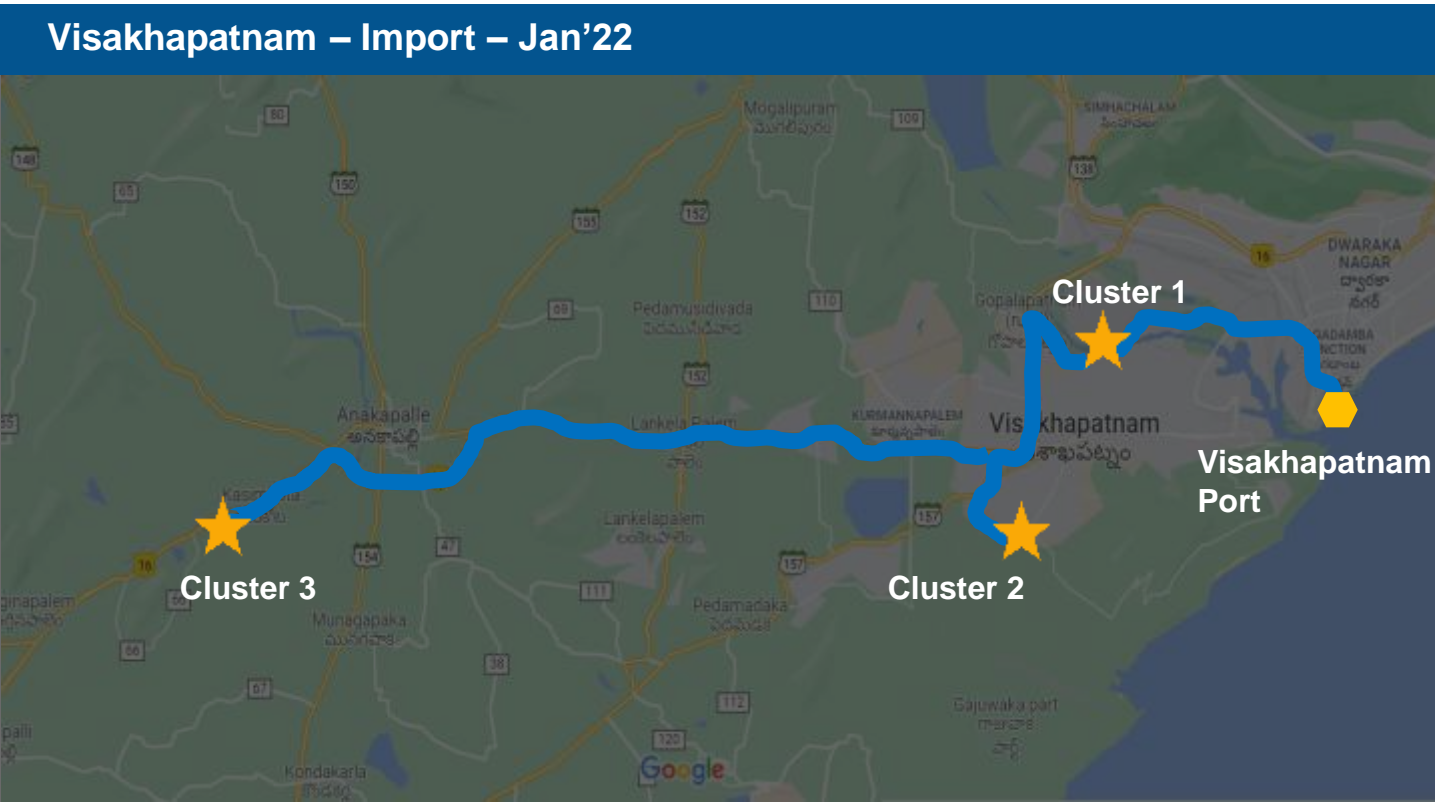
Clusters with bottleneck	

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
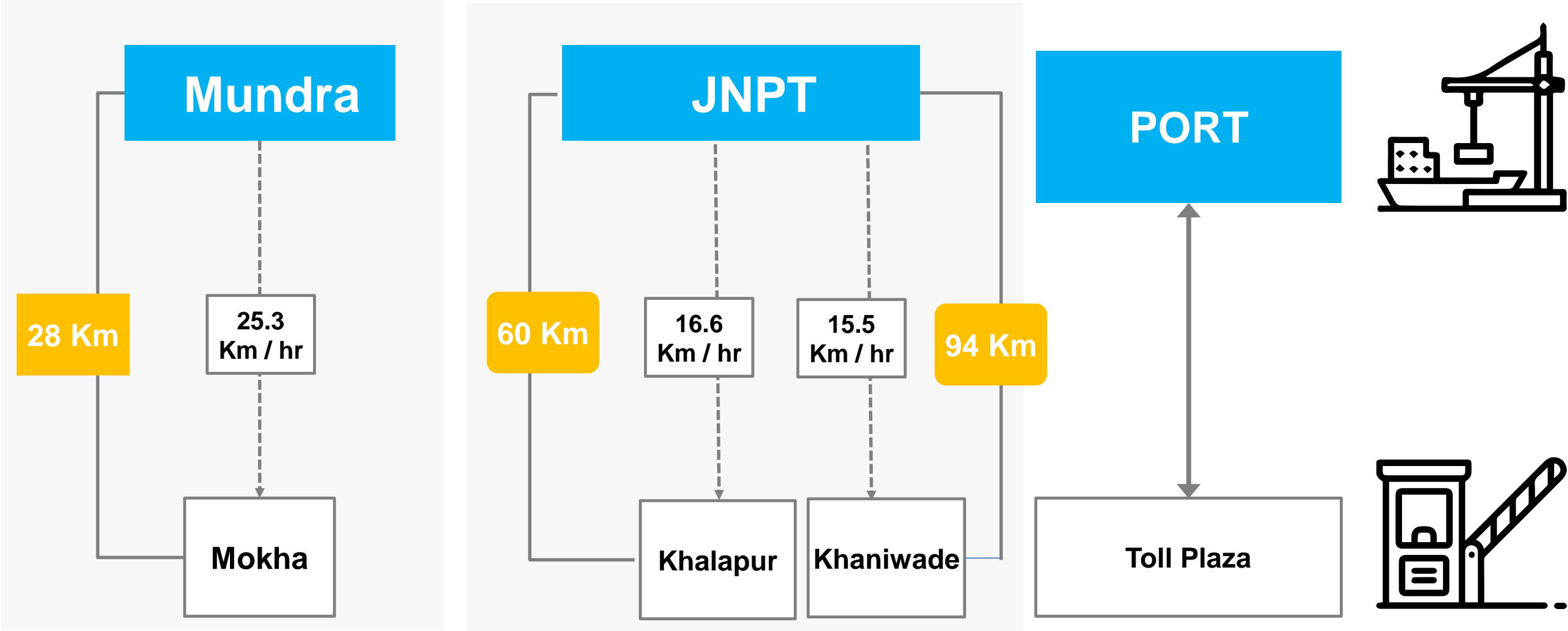
Import Cycle

Kolkata Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	78.7 hrs	88.6 hrs
Road	122.7 hrs	88.6 hrs
Rail	68.8 hrs	-

Haldia Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	111.6 hrs	165.5 hrs

Export Cycle

Kolkata Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	653.9 hrs	243.5 hrs
Road	277.1 hrs	243.5 hrs
Rail	670.2 hrs	-

Haldia Port Terminal

Mode	ICP Raxaul	ICP Jogbani
Overall	668.0 hrs	971.6 hrs

Export cycle
Import cycle
Kolkata Region
Haldia Region
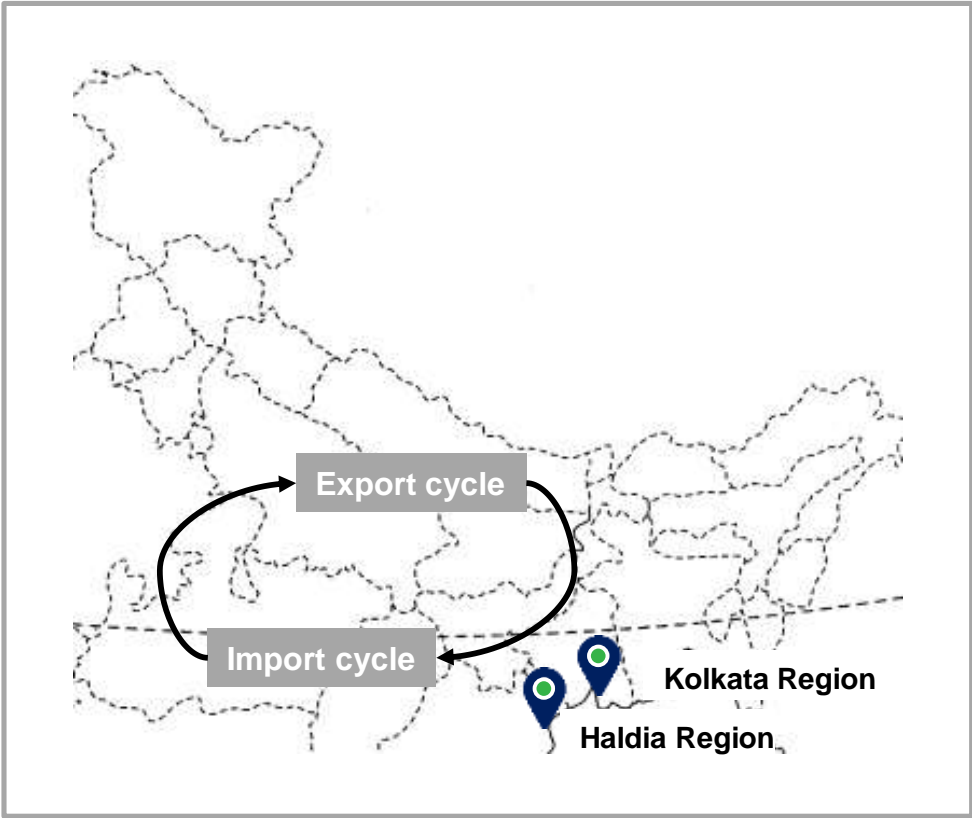
Due to Low volume in Export cycle at Haldia Port Terminal, for ICP Jogbani only ICP Raxaul has been showcased
Also, There is no train bound containers available at ICP Jogbani for Import and Export Cycle.

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

Mundra	**JNPT**	**PORT**

28 Km

25.3 Km / hr

60 Km

16.6 Km / hr

15.5 Km / hr

94 Km

Mokha

Khalapur   **Khaniwade**

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)		
				Nov'21	Dec'21	Jan'22
Western	Hazira	Boriach	77	5.5	5.4	4.0
Eastern	KOPT(Kolkata)	Dankuni	24	2.3	2.3	2.4
	HICT(Haldia)	Debra	100	6.4	6.9	5.3
		Jaladhulagori	101	7.5	7.3	7.9
Southern	Chennai	Surapattu	18	-	2.8	-
		Nallur	23	2.6	1.8	1.6
	Kochi	Kumbalam	13	0.6	0.6	0.7
		GIPL Palayekara	71	17.1	11.9	11.0
	NMPT (New Manglore)	Brahamarakotlu	25	5.9	3.0	2.9
		Talapady	22.5	1.6	2.6	2.3
		Gundmi	68	3.9	4.3	5.7
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	3.7	4.3	4.1
	Ennore	Surapattu	35	-	3.0	-
	Tuticron	VoCPT CheckPost1	4.3	12.9	11.6	12.9

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)	Dec'21 (in km/hrs)	Jan'22 (in km/hrs)
JNPT	JNPT	Khaniwade	94	-	15.5
	JNPT	Khalapur	60	12.1	16.6
	Khaniwade	Charoti	50	37.0	38.3
	Charoti	Boriach	126	29.5	29.3
	Boriach	Bharthan	142	30.3	34.4
	Bharthan	Vasad	60	38.0	37.4
	Khalalpur	Khedshivpur	105	33.5	35.3
MUNDRA	Mundra	Mokha	28	24.7	25.3
	Mokha	Makhel	150	22.1	25.3
	Mokha	Surajbari	115	25.9	25.6
	Makhel	Bhalgam	108	33.6	34.3

Toll Plaza - JNPT Port
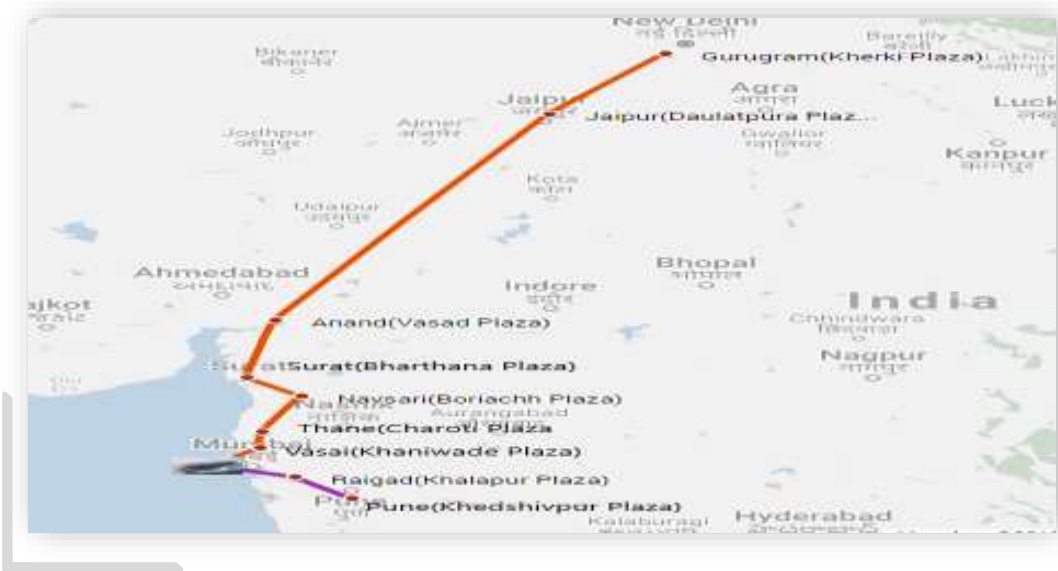
Toll Plaza – Mundra Port
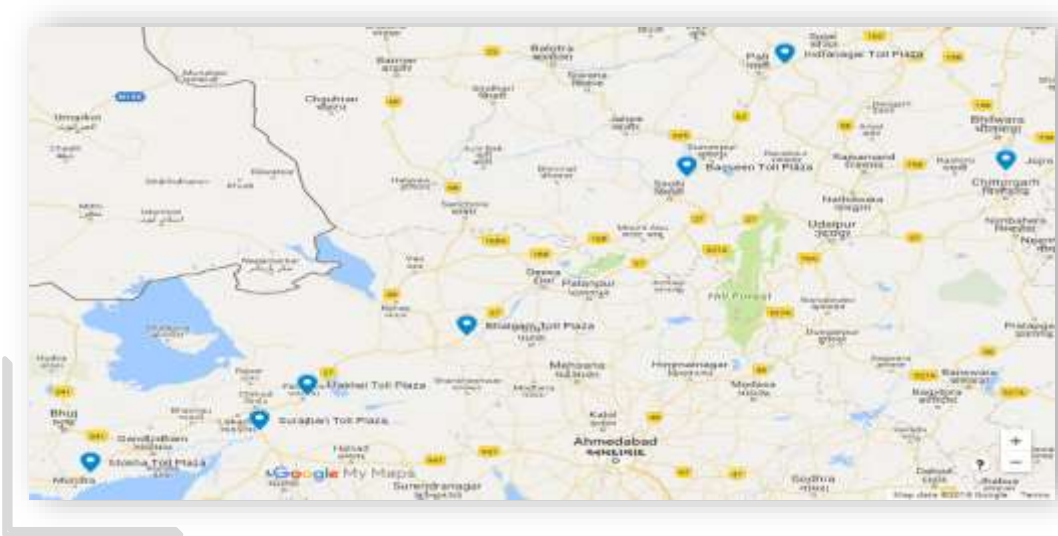
Annexure – Name of the Ports

List of Port name used in Executive Summary

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 Transhipment 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)

List of CFS name used in CFS Performance Index

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

Annexure – Western Region

List of CFS name used in CFS Performance Index

1	Gateway Distriparks CFS, Navi Mumbai	25	Navkar Corporation Yard 2 CFS, Panvel
2	CWC Hind Terminal CFS, Navi Mumbai	26	Honey Comb CFS, Mundra
3	Saurashtra CFS, Mundra	27	Seabird CFS, Navi Mumbai
4	AllCargo Logistics	28	Seabird CFS, Mundra
5	Speedy Multimode CFS, JNPT	29	Balmer & Lawrie CFS, Navi Mumbai
6	Continental Warehousing CFS, Navi Mumbai	30	Vaishno Logistics CFS, Navi Mumbai
7	Adani CFS Eximyard, Mundra	31	Mundhra CFS, Mundra
8	Ameya Logistics CFS, Navi Mumbai	32	Kerry Indev Logistics Pvt Ltd CFS
9	International Cargo Terminals (ULA) CFS, Navi Mumbai	33	Rishi CFS, Mundra
10	International Cargo Terminal CFS	34	Punjab Conware CFS, Navi Mumbai
11	JWC Logistics Park CFS	35	TG Terminals CFS
12	Navkar Corporation Yard 3 CFS, Panvel	36	Take Care Logistics CFS
13	Hind Terminals Pvt. Ltd. CFS, Mundra	37	Dronagiri Rail Terminal CFS, Navi Mumbai
14	CWC CFS, Mundra	38	Maersk Annex (APM)CFS, Navi Mumbai
15	Adani CFS, Hazira	39	JWR CFS
16	Ashte Logistics CFS, Panvel	40	Maharashtra State Corp CFS
17	EFC Logistics India	41	Seabird CFS, Hazira
18	Sarveshwar CFS	42	Ocean Gate CFS, Panvel
19	TG Terminals CFS, Mundra	43	Hind Terminal CFS, Hazira
20	Apollo Logisolutions CFS, Panvel	44	Transworld CFS, Mundra
21	Ashutosh CFS, Mundra	45	A V Joshi CFS
22	MICT CFS, Mundra	46	APM (Maersk India) CFS, Navi Mumbai
23	Landmark CFS, Mundra	47	Navkar Corporation Yard 1 CFS, Panvel
24	AllCargo CFS, Mundra	48	Empezar Logistics 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	Allcargo Global Logistics CFS, Chennai	21	GDKL CFS
2	Sical CFS, Chennai Tiruvallur Tamil Nadu	22	Sical Multimodal and Rail Transport Ltd. - CFS Division
3	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	23	Sudharsan Logistics CFS, Chennai
4	Gateway Distriparks CFS, Chennai	24	A S Shipping Agencies CFS, Tiruvallur
5	Sanco Trans CFS, Chennai	25	Adani CFS, Kattupalli Tiruvallur Tamil Nadu
6	Kerry Indev Logistics ICD, Kanchipuram	26	Hind Terminals CFS, Chennai
7	Ennore Cargo Container Terminal CFS, Chennai	27	Kerry Indev Logistics Private Limited / Continental Container Freight Station
8	Kailash Shipping Services CFS, Chennai	28	A.S.Shipping Agencies Pvt Ltd
9	ALS Tuticorin Terminal Private Limited	29	Apm Terminals India CFS, Tiruvallur
10	Glovis India CFS, Kanchipuram	30	Thiru Rani Logistics CFS, Tiruvallur
11	Raja Agencies CFS	31	Vilsons CFS
12	Sattva Hi-Tech And Conware CFS, Chennai	32	Diamond CFS Park
13	Calyx Container Terminal CFS, Chennai	33	Chola Logistiks Pvt Ltd
14	St. John Freight Systems Ltd. - ICD Division	34	Hari CFS
15	Triway CFS, Chennai	35	STP Services CFS, Chennai
16	Balmer Lawrie CFS, Chennai	36	Sattva Cfs And Logistics CFS, Chennai
17	MIV CFS	37	Viking Warehousing CFS, Chennai
18	Continental Warehousing Corporation Nhava Sheva Ltd.	38	Gateway Distripark CFS, Krishnapatnam
19	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	39	Sun Global Logistics CFS, Kanchipuram
20	Chandra CFS, Tiruvallur		

List of CFS name used in Eastern CFS Performance Index

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

THANK YOU