Logistics Databank Analytics Report

February 2023

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Index

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NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Brief Port-wise Dwell Time – Import Cycle

Import Dwell Time - Six month's Performance

	Sep'22 (in hrs)	Oct'22 (in hrs)	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)
Chennai	39.3	41.8	40.5	35.6	45.3	41.2
Ennore	35.8	34.0	38.3	45.1	38.0	36.6
Haldia	88.1	88.4	69.0	89.1	67.0	110.7
Hazira	32.2	22.7	35.0	27.3	38.5	33.0
JNPA	18.1	20.6	19.4	22.6	21.9	27.8
Kandla	84.6	44.5	45.6	46.4	21.2	19.4
Kattupalli	50.0	43.1	53.4	54.0	43.2	48.5
Kochi	52.3	38.2	40.0	36.7	46.6	39.9
Kolkata	30.4	34.3	38.2	37.2	30.6	30.7
Krishnapatnam	32.8	36.8	37.1	16.3	32.2	43.2
Mangalore	97.1	103.5	77.2	66.3	60.4	58.9
Mundra	29.5	29.6	27.0	27.2	23.6	33.7
Pipavav	35.5	29.0	65.1	54.1	40.1	47.6
Tuticorin	17.2	19.3	19.8	22.0	23.4	38.8
Visakhapatnam	89.8	55.7	51.7	55.5	49.1	63.8

IMPORT

Brief Port-wise Dwell Time – Export Cycle

Export Dwell Time - Six month's Performance

	Sep'22 (in hrs)	Oct'22 (in hrs)	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)
Chennai	88.6	83.2	81.9	85.5	89.4	83.9
Ennore	84.0	95.6	96.5	105.6	100.3	98.4
Haldia	83.9	79.3	96.0	95.9	144.0	96.0
Hazira	140.5	111.3	115.7	107.4	103.1	106.9
JNPA	71.0	69.7	68.7	69.0	70.9	69.5
Kandla	87.5	85.5	135.2	151.2	87.5	98.5
Kattupalli	83.5	82.3	84.4	86.8	87.8	82.1
Kochi	82.5	82.4	69.1	73.5	70.5	74.0
Kolkata	98.2	97.1	96.6	94.1	126.8	123.9
Krishnapatnam	54.3	68.9	56.3	60.8	78.8	54.4
Mangalore	-	-	-	67.6	70.2	85.1
Mundra	107.7	102.7	103.2	97.0	106.2	98.6
Pipavav	112.3	123.6	106.3	103.6	108.4	83.2
Tuticorin	55.4	58.1	48.6	58.1	64.9	74.0
Visakhapatnam	70.9	66.1	74.0	78.1	88.7	84.0

EXPORT

Brief CFS/ ICD Dwell Time

Port-wise CFS Dwell Time

	Sep'22 (in hrs)	Oct'22 (in hrs)	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)
Chennai	92.1	101.2	105.6	96.3	103.1	100.7
Ennore	92.1	101.2	105.6	96.3	103.1	100.7
Haldia	129.1	123.9	112.4	105.1	102.7	140.7
Hazira	95.6	94.7	103.4	94.1	101.8	96.0
JNPA	81.9	82.2	84.1	77.1	77.7	80.3
Kattupalli	92.1	101.2	105.6	96.3	103.1	100.7
Kochi	124.5	116.1	100.3	98.1	100.4	103.2
Kolkata	139.0	138.7	119.1	123.5	124.0	126.7
Krishnapatnam	94.8	97.5	116.7	89.4	108.3	78.5
Mundra	84.6	90.8	87.0	84.3	81.5	82.0
Pipavav	99.0	68.9	72.7	78.2	81.3	86.1
Tuticorin	121.7	125.1	125.9	107.4	125.6	126.0
Visakhapatnam	149.9	132.4	143.2	154.5	149.8	129.2

Brief CFS/ ICD Dwell Time

Region-wise CFS Dwell Time

	Sep'22 (in hrs)	Oct'22 (in hrs)	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)
Western	83.5	82.8	86.3	80.2	79.5	81.8
Southern	97.8	104.8	109.3	98.0	106.7	103.2
Eastern	141.8	136.7	126.0	132.7	127.6	127.7

ICD Dwell Time

	Sep'22 (in hrs)	Oct'22 (in hrs)	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)
Western	116.5	111.5	121.8	110.3	119.1	112.4

Transit Time – Between Delhi & Mumbai

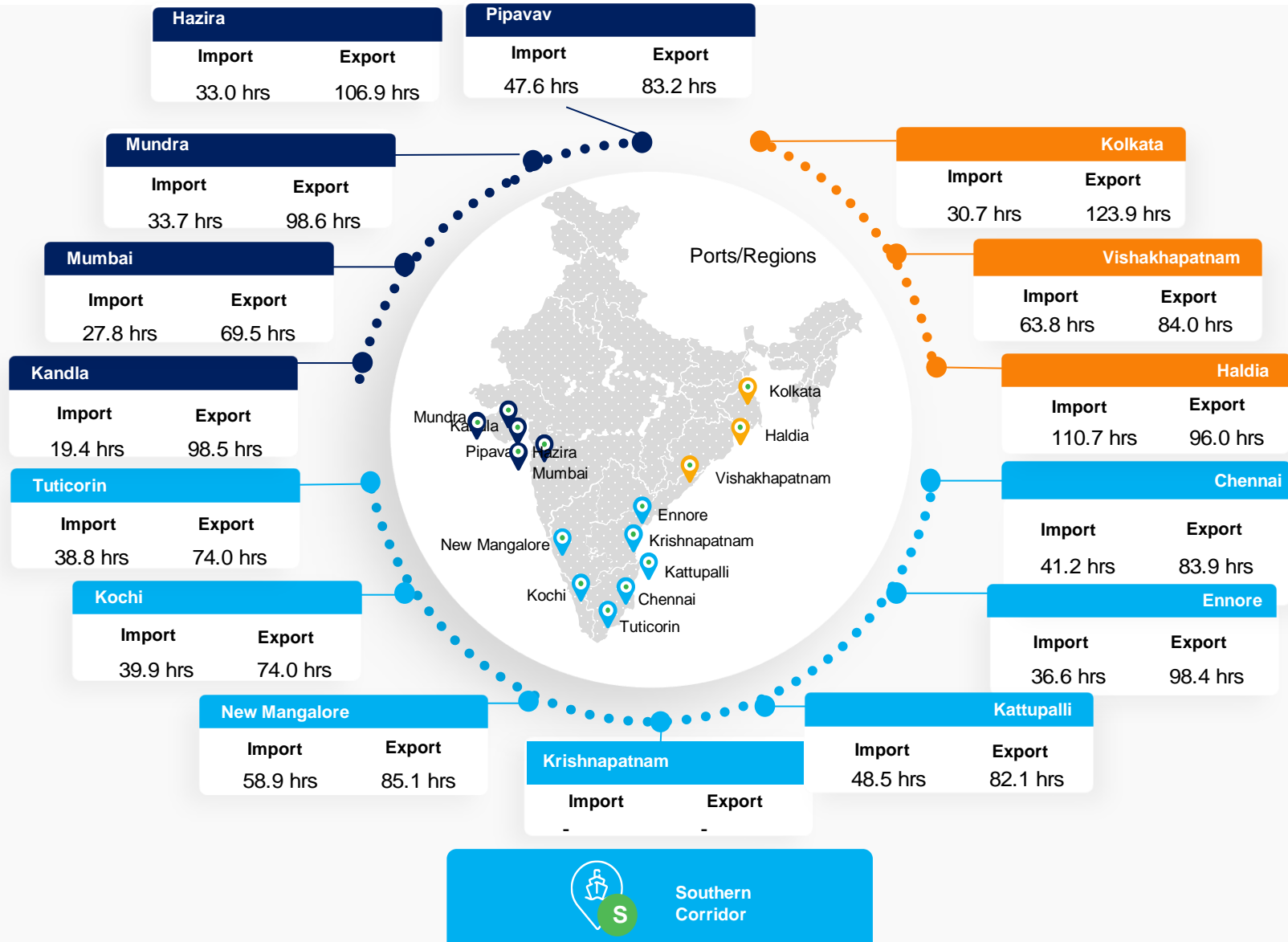|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to ICD	86.2	105.0	🔴⬇
ICD to Port	80.8	78.8	🟢⬆

Brief Volume Analysis – Pan India

Below graphs depicts the change in volume percentage during the month of February'23 w.r.t the last month i.e., January'23 and the average EXIM corridor wise volume.
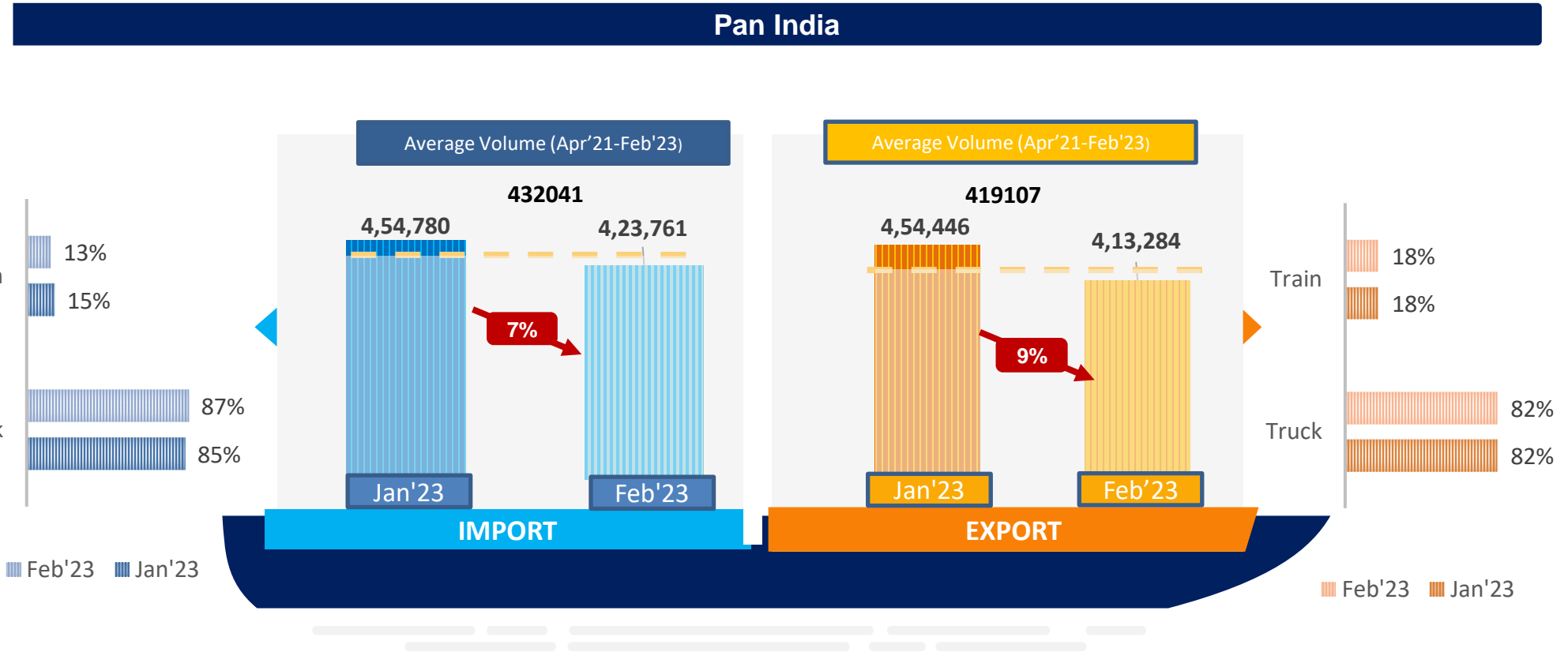
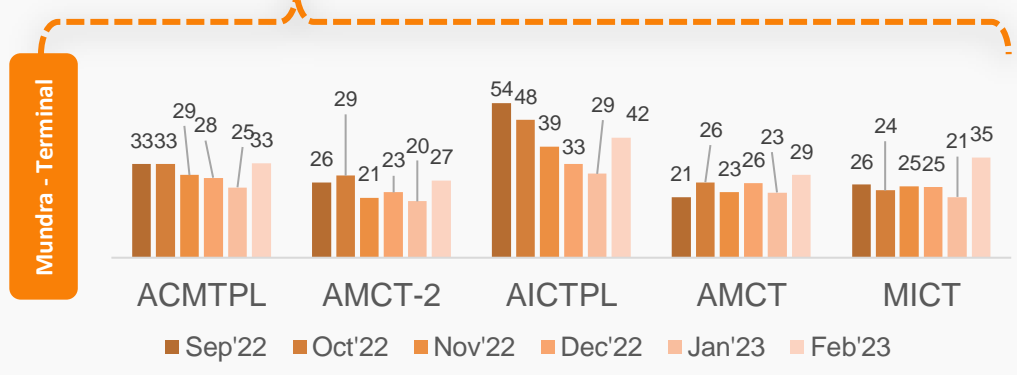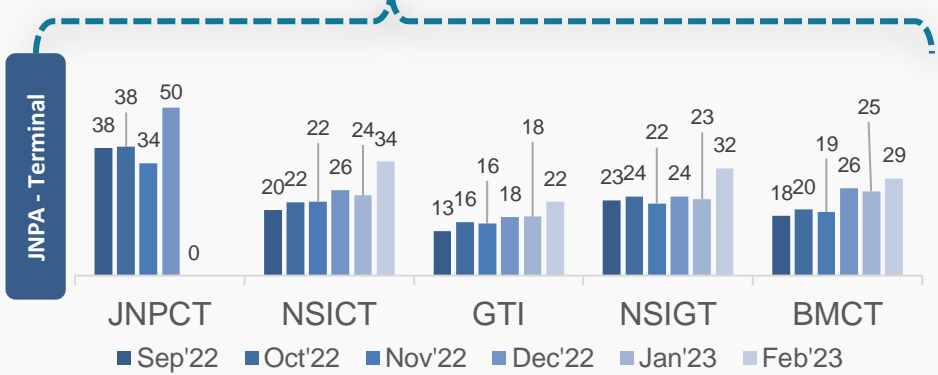# PAN INDIA Performance Snapshot: February 2023 (Dwell Time)

Ports/Regions

Western Corridor (W)

Hazira
Import	Export
33.0 hrs	106.9 hrs

Pipavav
Import	Export
47.6 hrs	83.2 hrs

Mundra
Import	Export
33.7 hrs	98.6 hrs

Mumbai
Import	Export
27.8 hrs	69.5 hrs

Kandla
Import	Export
19.4 hrs	98.5 hrs

Tuticorin
Import	Export
38.8 hrs	74.0 hrs

Kochi
Import	Export
39.9 hrs	74.0 hrs

Eastern Corridor (E)

Kolkata
Import	Export
30.7 hrs	123.9 hrs

Vishakhapatnam
Import	Export
63.8 hrs	84.0 hrs

Haldia
Import	Export
110.7 hrs	96.0 hrs

Chennai
Import	Export
41.2 hrs	83.9 hrs

Ennore
Import	Export
36.6 hrs	98.4 hrs

Kattupalli
Import	Export
48.5 hrs	82.1 hrs

Southern Corridor (S)

New Mangalore
Import	Export
58.9 hrs	85.1 hrs

Krishnapatnam
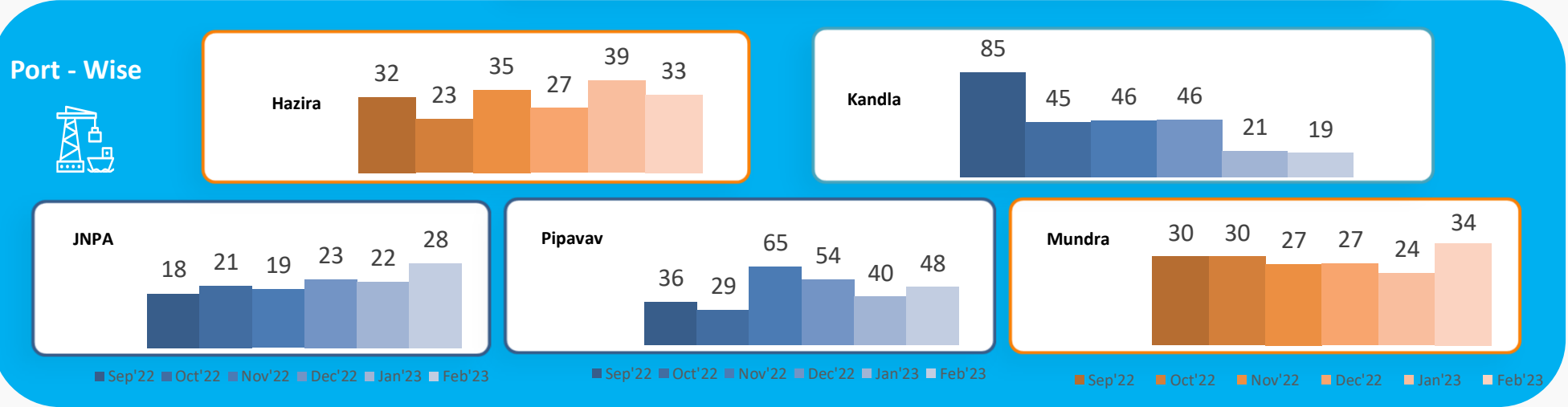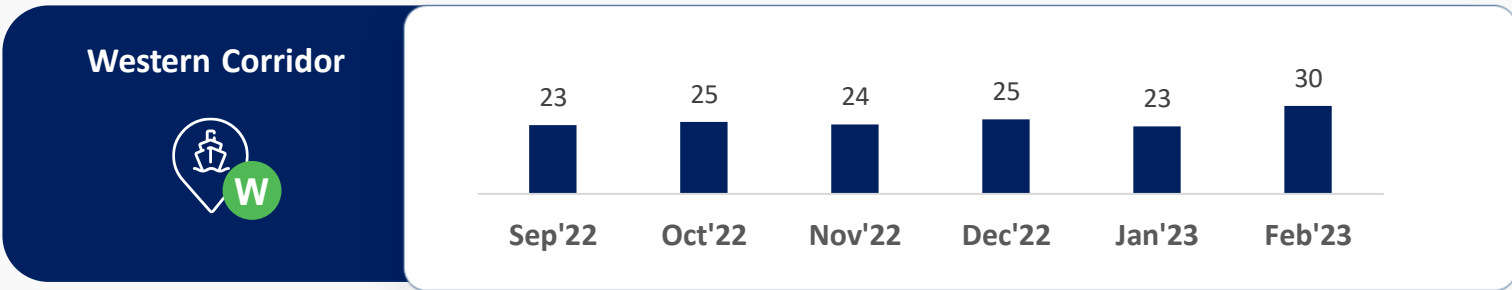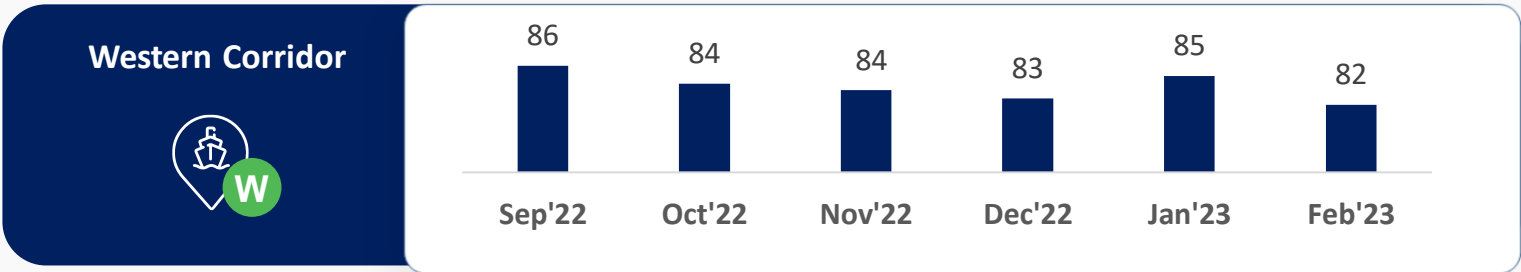| Import	Export
-	-

Port Dwell Time Performance – Western Corridor (Import Cycle)

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

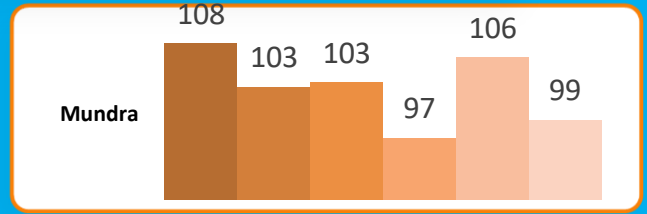## Western Corridor

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
23	25	24	25	23	30

Port - Wise

Hazira

32	23	35	27	39	33

Kandla

85	45	46	46	21	19

JNPA

18	21	19	23	22	28

Pipavav

36	29	65	54	40	48

Mundra

30	30	27	27	24	34

■ Sep'22 ■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23

JNPA - Terminal

	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
JNPCT	38	38	34	50	0	
NSICT	20	22	22	26	24	34
GTI	13	16	16	18	18	22
NSIGT	23	24	22	24	23	32
BMCT	18	20	19	26	25	29

■ Sep'22 ■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23

Mundra - Terminal

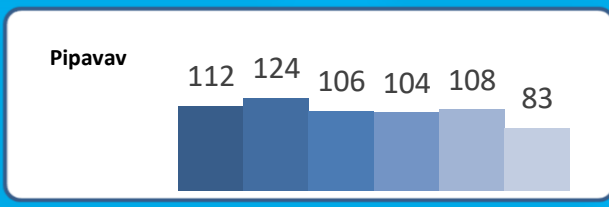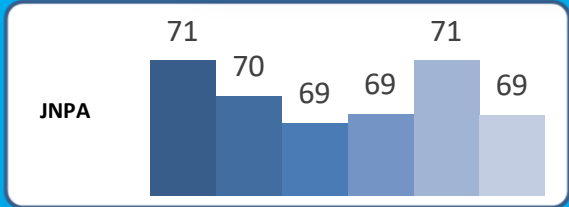|	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
ACMTPL	33	33	29	28	25	33
AMCT-2	26	29	21	23	20	27
AICTPL	54	48	39	33	29	42
AMCT	21	26	23	26	23	29
MICT	26	24	25	25	21	35

■ Sep'22 ■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23

Port Dwell Time Performance – Western Corridor (Export Cycle)

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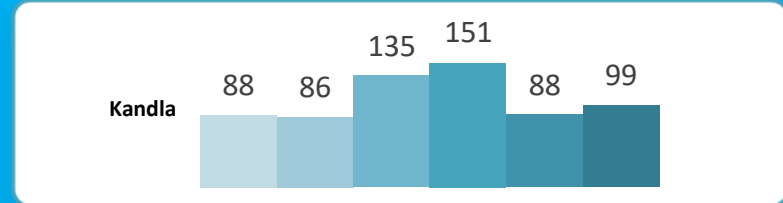
Export Cycle – Dwell Time Performance – Western Corridor (in hrs)

Western Corridor

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
86	84	84	83	85	82

Port - Wise

Hazira

| 141 | 111 | 116 | 107 | 103 | 107 |

Kandla

| 88 | 86 | 135 | 151 | 88 | 99 |

JNPA

| 71 | 70 | 69 | 69 | 71 | 69 |

Legend: Sep'22, Oct'22, Nov'22, Dec'22, Jan'23, Feb'23

Pipavav

| 112 | 124 | 106 | 104 | 108 | 83 |

Legend: Sep'22, Oct'22, Nov'22, Dec'22, Jan'23, Feb'23

Mundra

| 108 | 103 | 103 | 97 | 106 | 99 |

Legend: Sep'22, Oct'22, Nov'22, Dec'22, Jan'23, Feb'23

JNPA - Terminal

Terminal	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
JNPCT	68	63	64	74	0	
NSICT	56	54	51	52	59	64
GTI	76	76	71	77	71	69
NSIGT	82	75	83	74	75	81
BMCT	70	73	72	71	77	67

Legend: Sep'22, Oct'22, Nov'22, Dec'22, Jan'23, Feb'23

Mundra - Terminal

Terminal	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
ACMTPL	116	121	122	110	107	105
AMCT-2	98	86	96	92	92	85
AICTPL	114	107	101	103	109	114
AMCT	108	106	111	95	110	100
MICT	101	90	90	87	104	84

Legend: Sep'22, Oct'22, Nov'22, Dec'22, Jan'23, Feb'23

Port Dwell Time Performance – Southern Corridor (Import Cycle)

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

Southern Corridor

	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
Southern Corridor	38	38	39	37	41	42

Port - Wise

Kochi

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
52	38	40	37	47	40

New Mangalore

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
97	104	77	66	60	59

Ennore

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
36	34	38	45	38	37

Chennai

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
39	42	41	36	45	41

Kattupalli

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
50	43	53	54	43	48

Tuticorin

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
17	19	20	22	23	39

■Sep'22 ■Oct'22 ■Nov'22 ■Dec'22 ■Jan'23 ■Feb'23

Chennai - Terminal

CCTL

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
44	43	39	36	46	37

CITPL

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
36	41	41	36	45	45

■Sep'22 ■Oct'22 ■Nov'22 ■Dec'22 ■Jan'23 ■Feb'23

Tuticorin - Terminal

DBGT

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
14	16	16	17	16	13

PSA-Sical

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
44	48	53	44	60	54

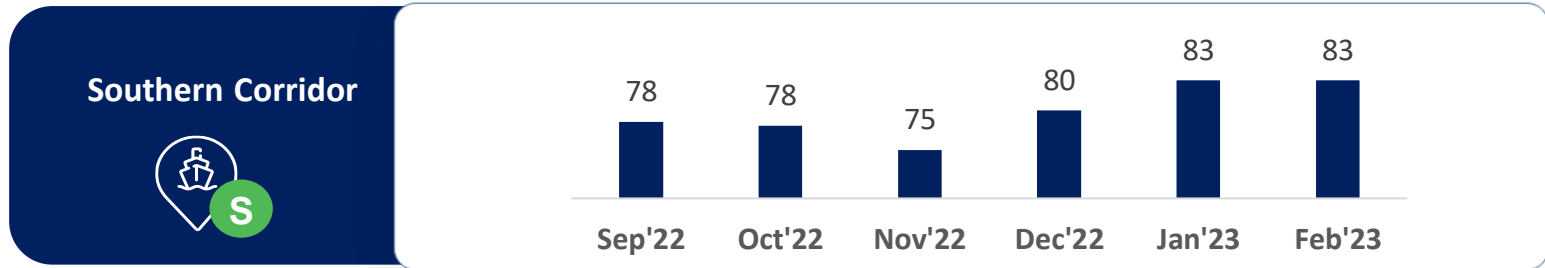■Sep'22 ■Oct'22 ■Nov'22 ■Dec'22 ■Jan'23 ■Feb'23

Port Dwell Time Performance – Southern Corridor (Export Cycle)

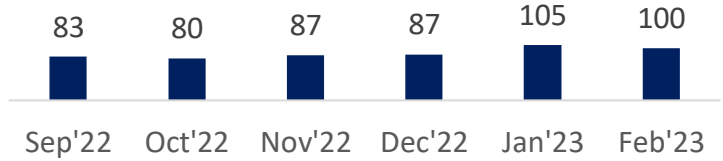**Export Cycle – Dwell Time Performance – Southern Corridor (in hrs)**
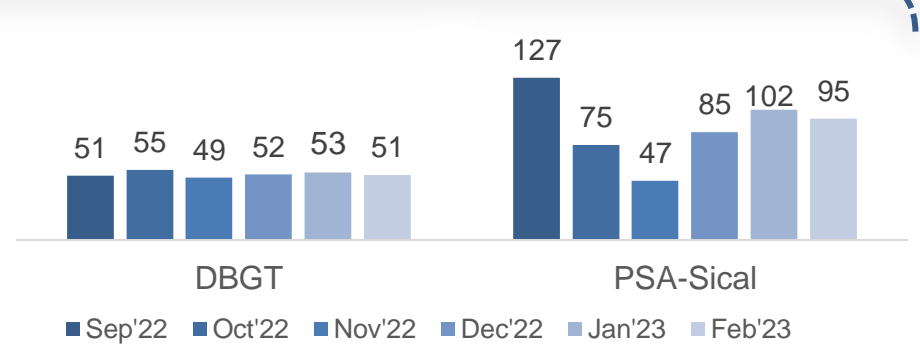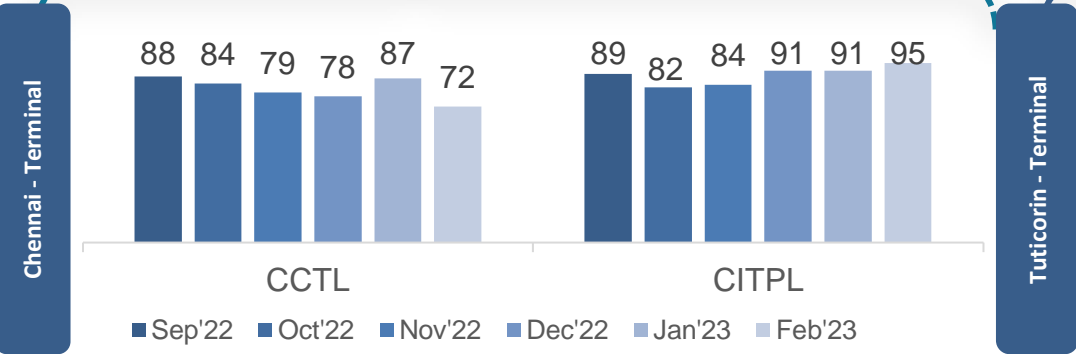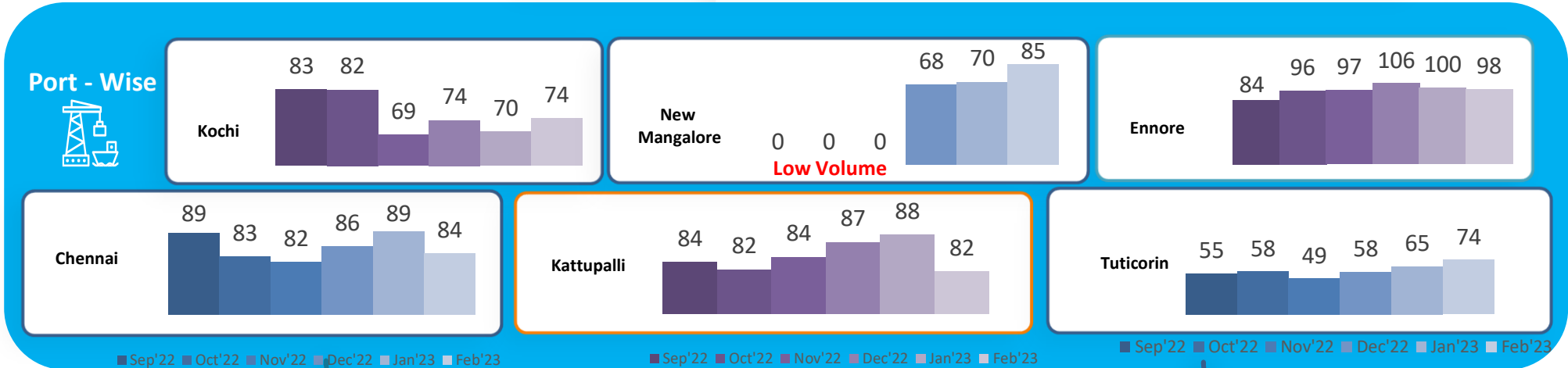
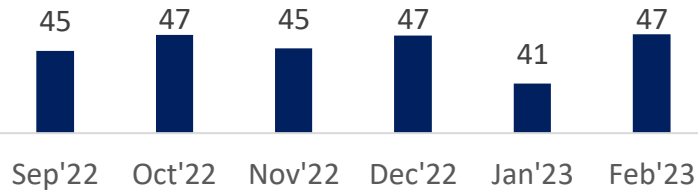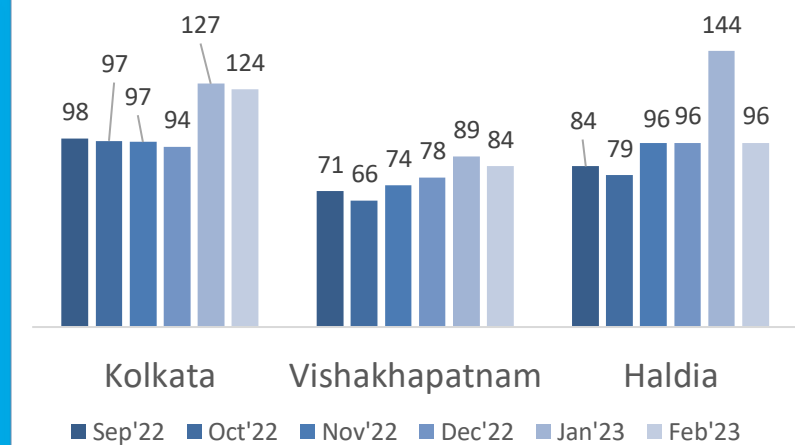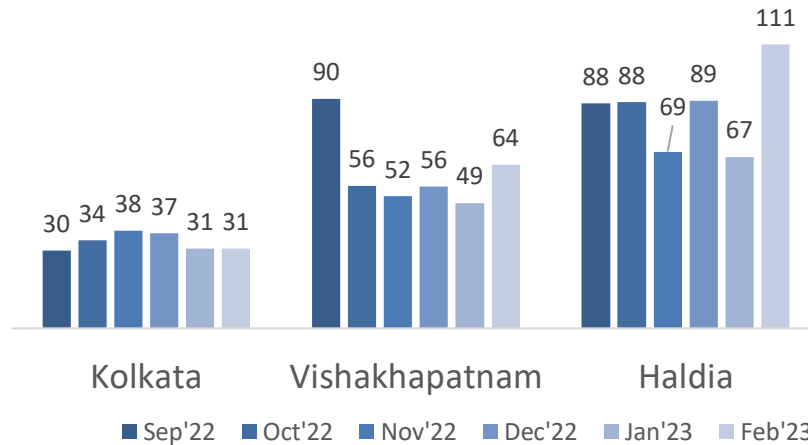# Port Dwell Time Performance – Eastern Corridor

Import Cycle (in hrs)

Eastern Corridor

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
45	47	45	47	41	47

Export Cycle (in hrs)

Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
83	80	87	87	105	100

Port - Wise

Import Cycle

Port	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
Kolkata	30	34	38	37	31	31
Vishakhapatnam	90	56	52	56	49	64
Haldia	88	88	69	89	67	111

Export Cycle

Port	Sep'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23
Kolkata	98	97	97	94	127	124
Vishakhapatnam	71	66	74	78	89	84
Haldia	84	79	96	96	144	96

Predictive Analysis : JNPA Port

JNPA Port – Import Cycle

Legend: Dwell Time - JNPA (Actual data) | Forecasted Values | — Trend
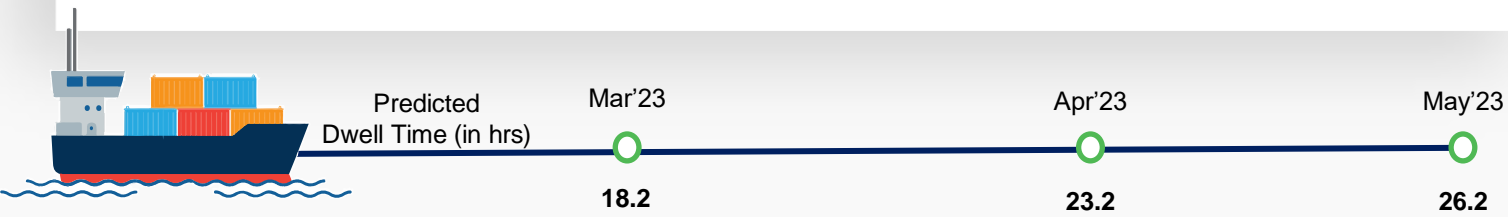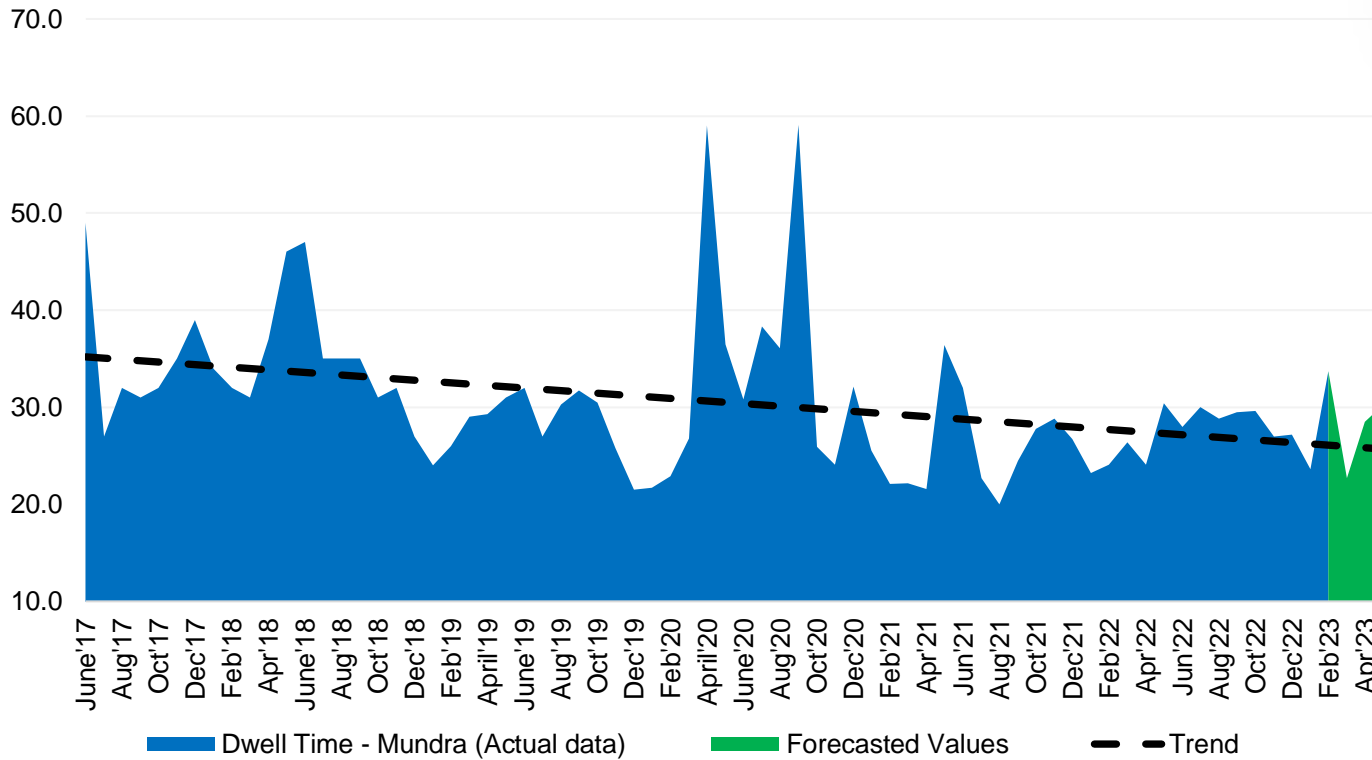
Observation

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 maxima in May'23.

Predicted Dwell Time (in hrs)

Mar'23	Apr'23	May'23
18.2	23.2	26.2

Predictive Analysis : Mundra Port

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Mundra Port – Import Cycle

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

Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.

- Due to the cyclic variations in the monthly data it is expected to reach a local maxima in May'23.

Predicted Dwell Time (in hrs)	Mar'23	Apr'23	May'23
	22.7	28.5	30.3

Critical Incident Summary

Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 29.5% & Export Cycle has improved by 3.7%.
- The container handling performance at CFS has deteriorated by 2.9%. Also, ICD performance has improved by 5.6%.

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Feb'23	30.3 hrs	81.7 hrs	81.8 hrs	112.4 hrs
Jan'23	23.4 hrs	84.8 hrs	79.5 hrs	119.1 hrs

Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has deteriorated by 1.7% & in Export Cycle has deteriorated by 0.4%.
- The container handling performance at CFS has improved by 3.3%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Feb'23	42.1 hrs	82.8 hrs	103.2 hrs
Jan'23	41.4 hrs	82.5 hrs	106.7 hrs

Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 13.8% and Export Cycle has improved by 4.3%.
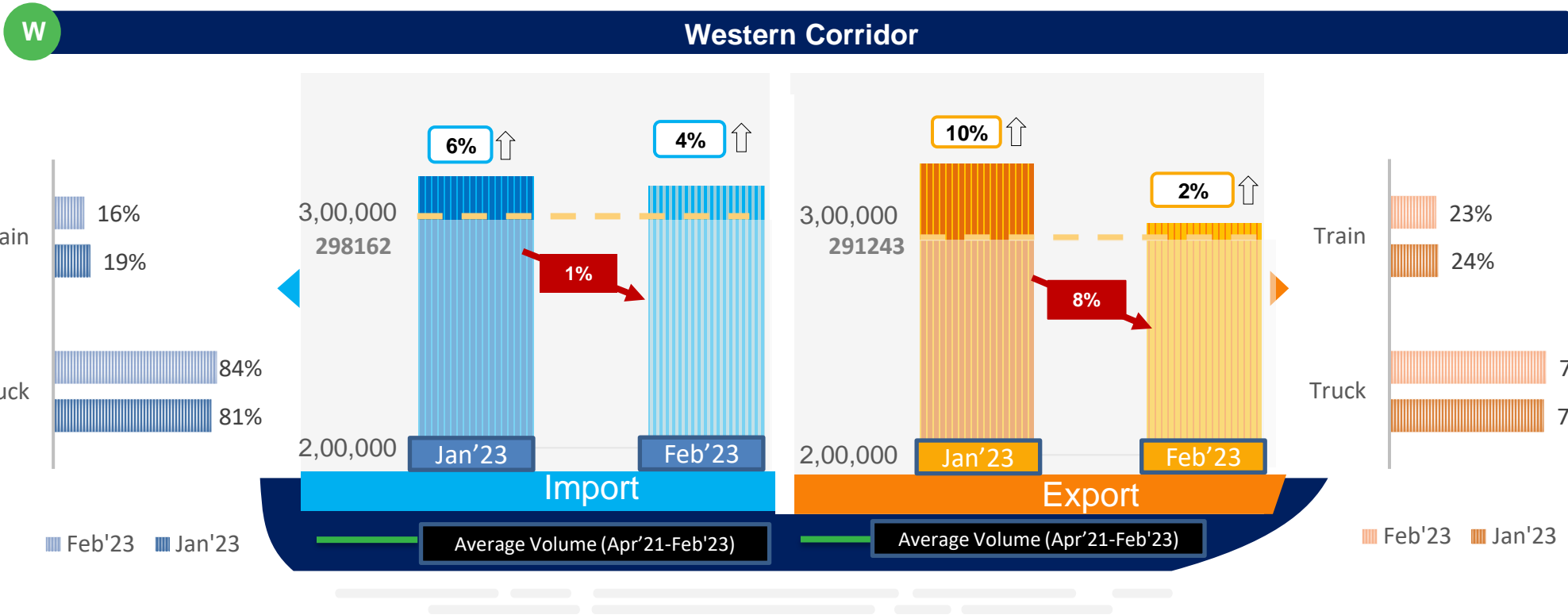- The container handling performance at CFS has deteriorated by 0.1%.

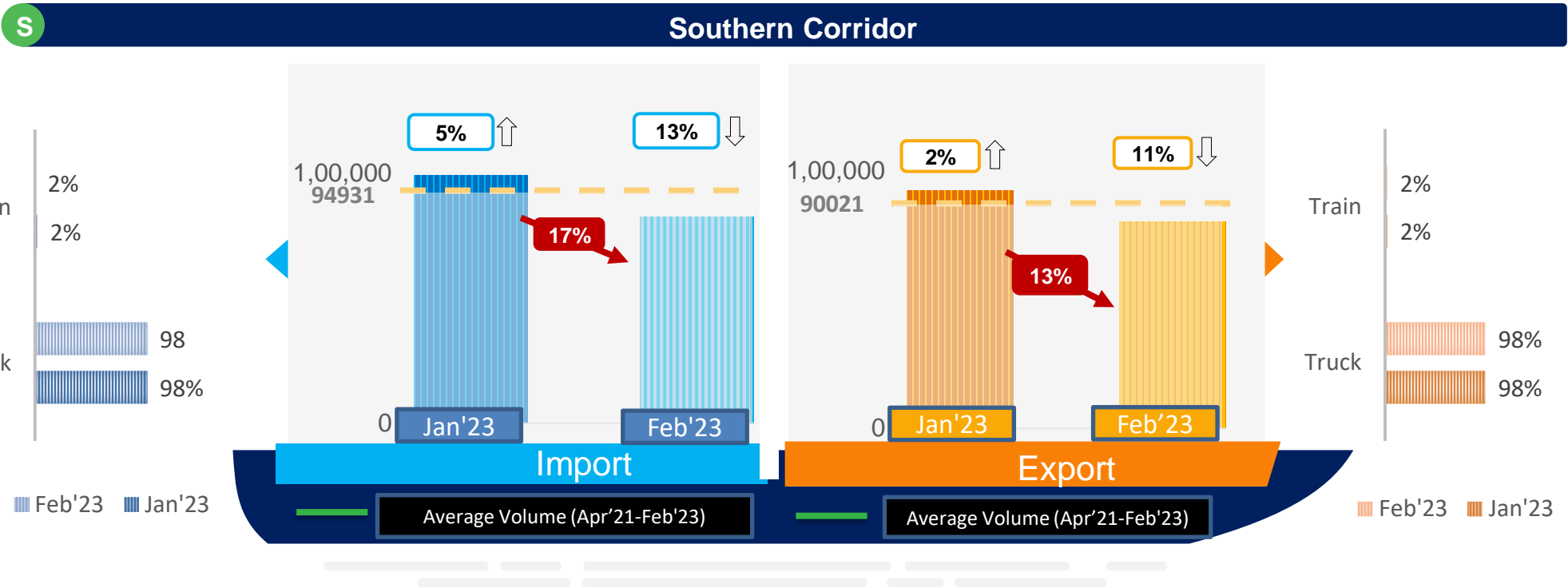| Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Feb'23	47.0 hrs	100.0 hrs	127.7 hrs
Jan'23	41.3 hrs	104.5 hrs	127.6 hrs

Region-wise Volume Analysis

Volume Analysis – Western Corridor

Below graphs depicts the change in volume percentage during the month of February'23 w.r.t the last month i.e., January'23 and the average EXIM corridor wise volume.

W **Western Corridor**

Import

Train — 16% / 19%
Truck — 84% / 81%

6% ⇧   4% ⇧
3,00,000
298162
1%
Jan'23   Feb'23
2,00,000

Export

Train — 23% / 24%
Truck — 77% / 76%

10% ⇧   2% ⇧
3,00,000
291243
8%
Jan'23   Feb'23
2,00,000

▮ Feb'23 ▮ Jan'23   — Average Volume (Apr'21-Feb'23)   — Average Volume (Apr'21-Feb'23)   ▮ Feb'23 ▮ Jan'23
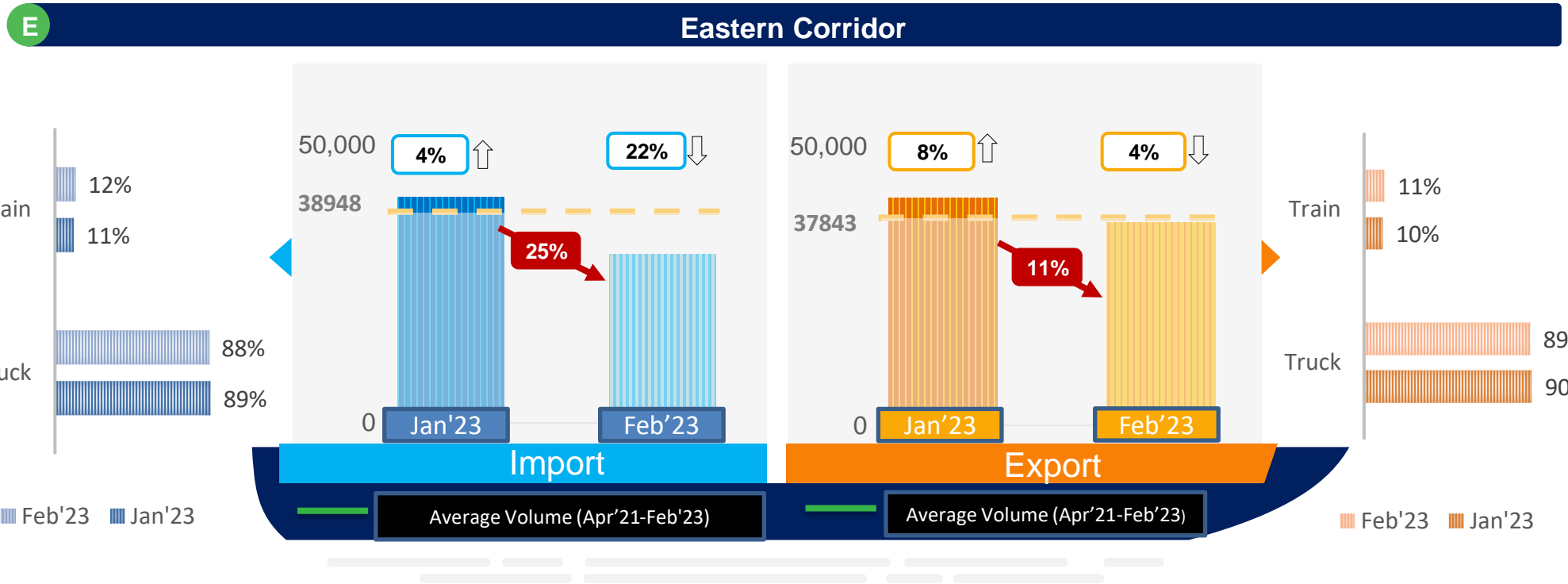
Volume Analysis – Southern Corridor

Below graphs depicts the change in volume percentage during the month of February'23 w.r.t the last month i.e., January'23 and the average EXIM corridor wise volume.

Southern Corridor

Import

- 5% ⇑
- 13% ⇓
- 17% (decrease, Jan'23 → Feb'23)
- 1,00,000 / 94931

Train: 2% / 2%
Truck: 98 / 98%

Feb'23 | Jan'23
Average Volume (Apr'21-Feb'23)

Export

- 2% ⇑
- 11% ⇓
- 13% (decrease, Jan'23 → Feb'23)
- 1,00,000 / 90021

Train: 2% / 2%
Truck: 98% / 98%
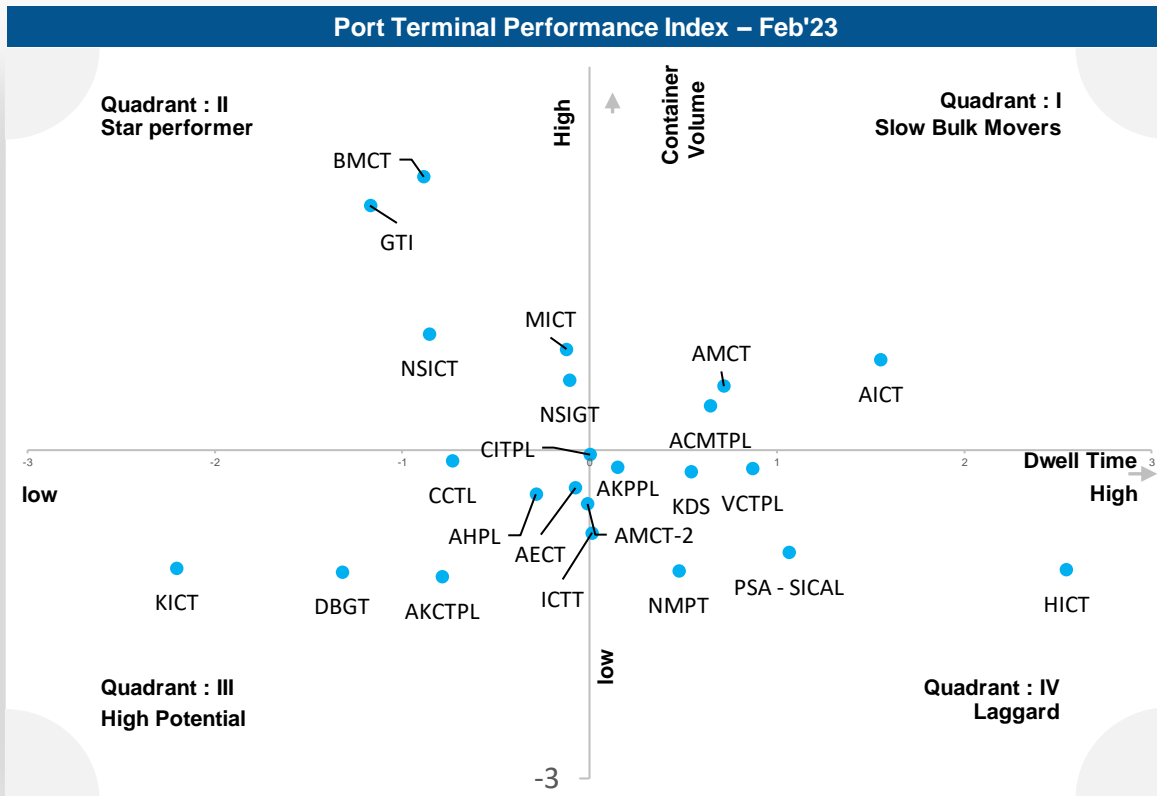
Feb'23 | Jan'23
Average Volume (Apr'21-Feb'23)

Volume Analysis – Eastern Corridor

Below graphs depicts the change in volume percentage during the month of February'23 w.r.t the last month i.e., January'23 and the average EXIM corridor wise volume.

E | **Eastern Corridor**

Import

Train		Truck	
12%	Feb'23	88%	Feb'23
11%	Jan'23	89%	Jan'23

50,000 — 4% ↑ — 22% ↓
38948
25%
Jan'23 — Feb'23
Import
Average Volume (Apr'21-Feb'23)
Feb'23 Jan'23

Export

Train		Truck	
11%	Feb'23	89%	Feb'23
10%	Jan'23	90%	Jan'23

50,000 — 8% ↑ — 4% ↓
37843
11%
Jan'23 — Feb'23
Export
Average Volume (Apr'21-Feb'23)
Feb'23 Jan'23

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 Feb'23

Port Terminal Performance Index – Feb'23

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Container Volume — High

BMCT
GTI
MICT
NSICT
NSIGT
CITPL
CCTL
AHPL
AECT
AMCT-2
AKPPL
KDS
VCTPL
AMCT
AICT
ACMTPL
KICT
DBGT
AKCTPL
ICTT
NMPT
PSA - SICAL
HICT

Dwell Time — High
low / High
low

Quadrant : III
High Potential

Quadrant : IV
Laggard

-3

Top Performing Terminal	
Bharat Mumbai Container Terminals (PSA)	
Jan'23	Feb'23
48.4 hrs	47.0 hrs

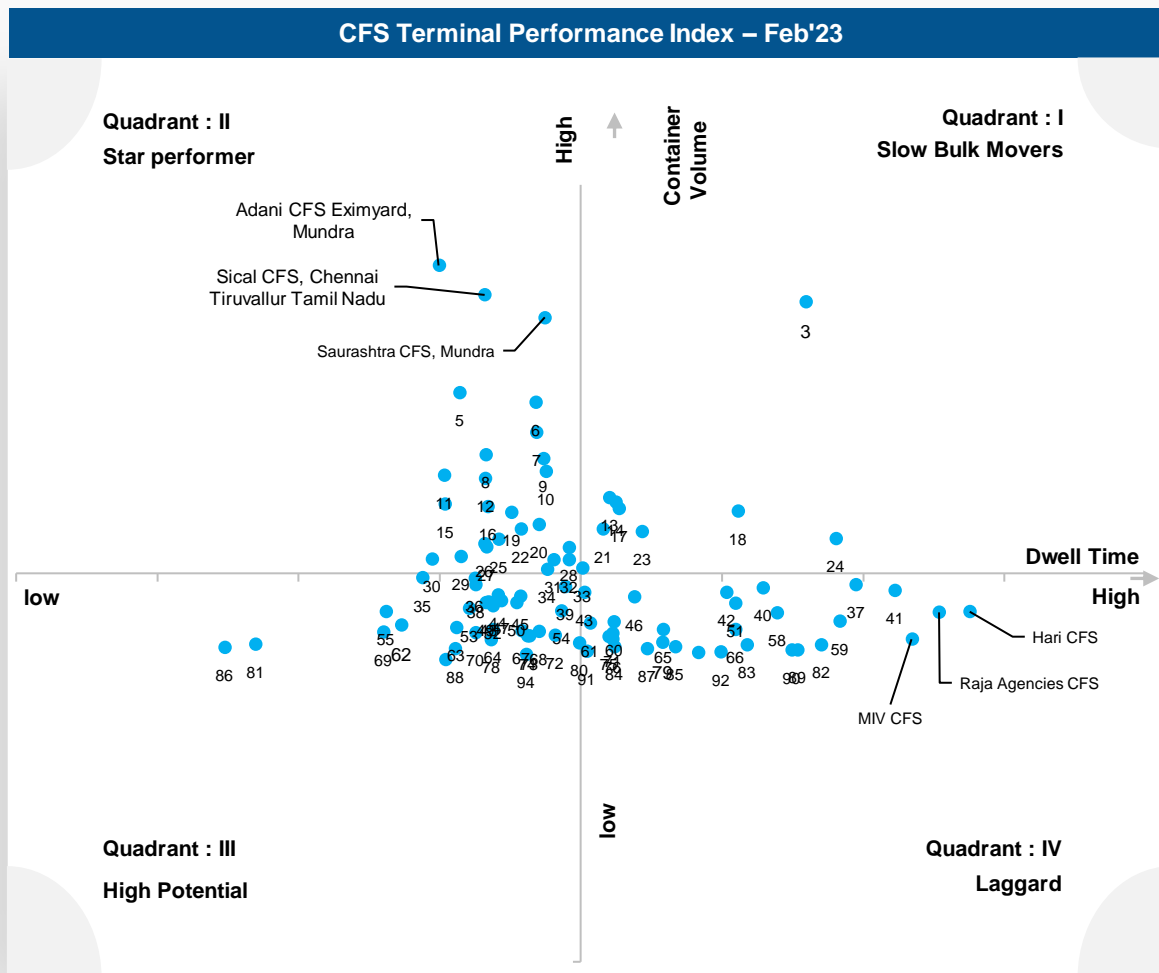| Low Performing Terminal	
Haldia International Container Terminal (HICT)	
Jan'23	Feb'23
101.1 hrs	101.3 hrs

Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'23

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

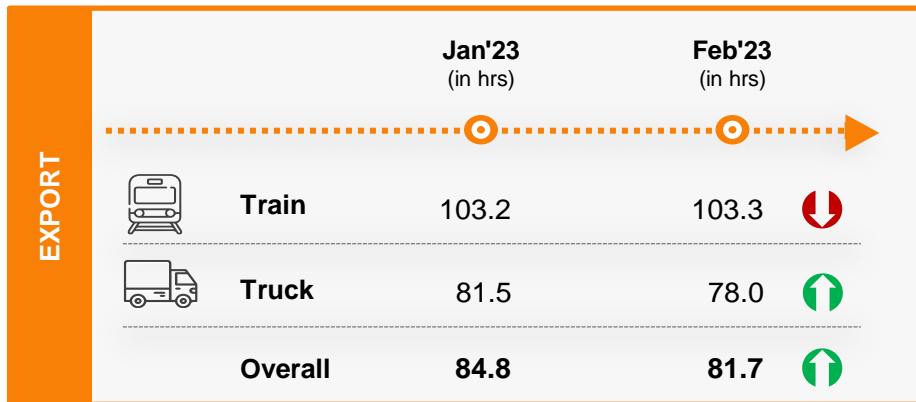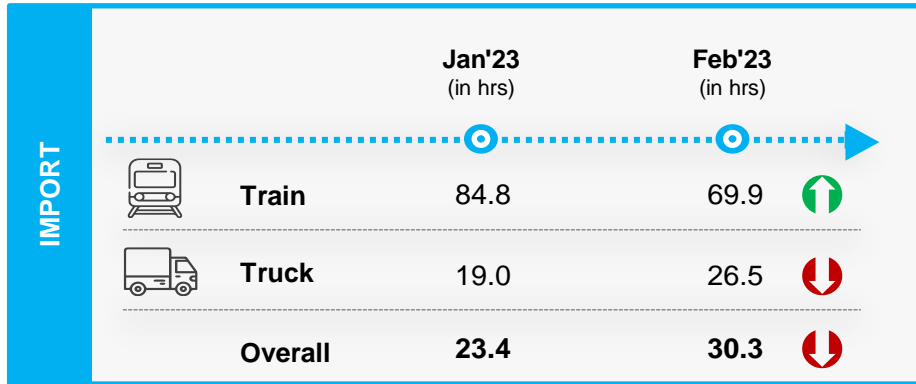The benchmarking showcase the individual CFS's performance w.r.t Pan India

CFS Terminal Performance Index – Feb'23

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Adani CFS Eximyard, Mundra

Sical CFS, Chennai Tiruvallur Tamil Nadu

Saurashtra CFS, Mundra

Container Volume

High

low

Dwell Time

High

low

Hari CFS

Raja Agencies CFS

MIV CFS

Quadrant : III

High Potential

Quadrant : IV

Laggard

Performance benchmarking for CFSs covered under LDB project for Feb'23

Top Three Performing CFSs			
CFS Name	Jan'23	Feb'23	
Adani CFS Eximyard, Mundra	77.0 hrs	66.1 hrs	⬆
Sical CFS, Chennai Tiruvallur Tamil Nadu	83.8 hrs	75.8 hrs	⬆
Saurashtra CFS, Mundra	77.9 hrs	88.6 hrs	⬇

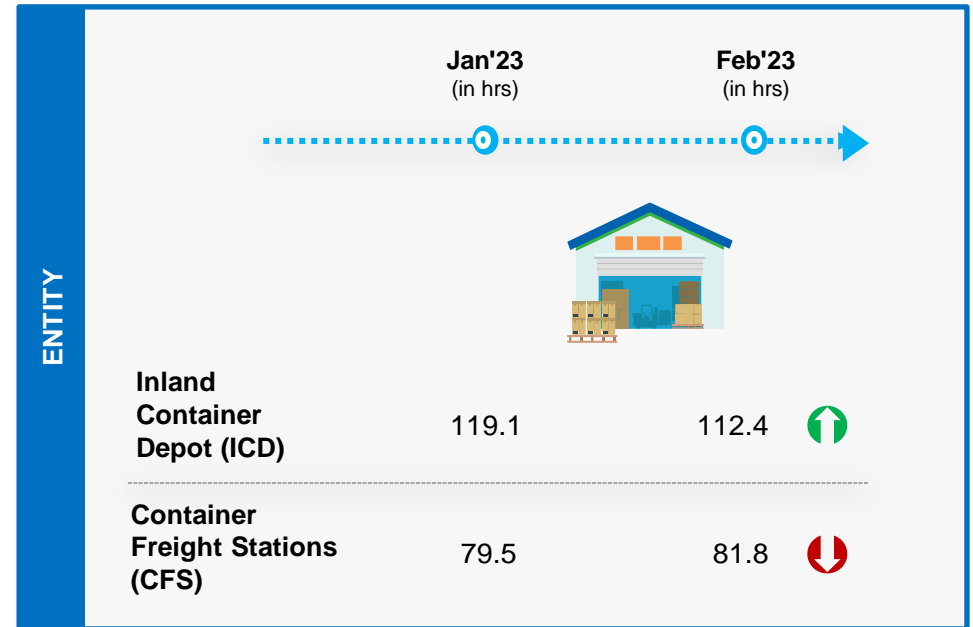| Bottom Three Performing CFSs			
CFS Name	Jan'23	Feb'23	
Hari CFS	143.5 hrs	178.9 hrs	⬇
Raja Agencies CFS	171.8 hrs	172.4 hrs	⬇
MIV CFS	126.5 hrs	166.6 hrs	⬇

Note: The performance benchmarking is based on performance index

⬆⬇ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'23

Performance Index - Summary

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

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

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	84.8	69.9	⬆
Truck	19.0	26.5	⬇
Overall	**23.4**	**30.3**	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	103.2	103.3	⬇
Truck	81.5	78.0	⬆
Overall	**84.8**	**81.7**	⬆

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

ENTITY

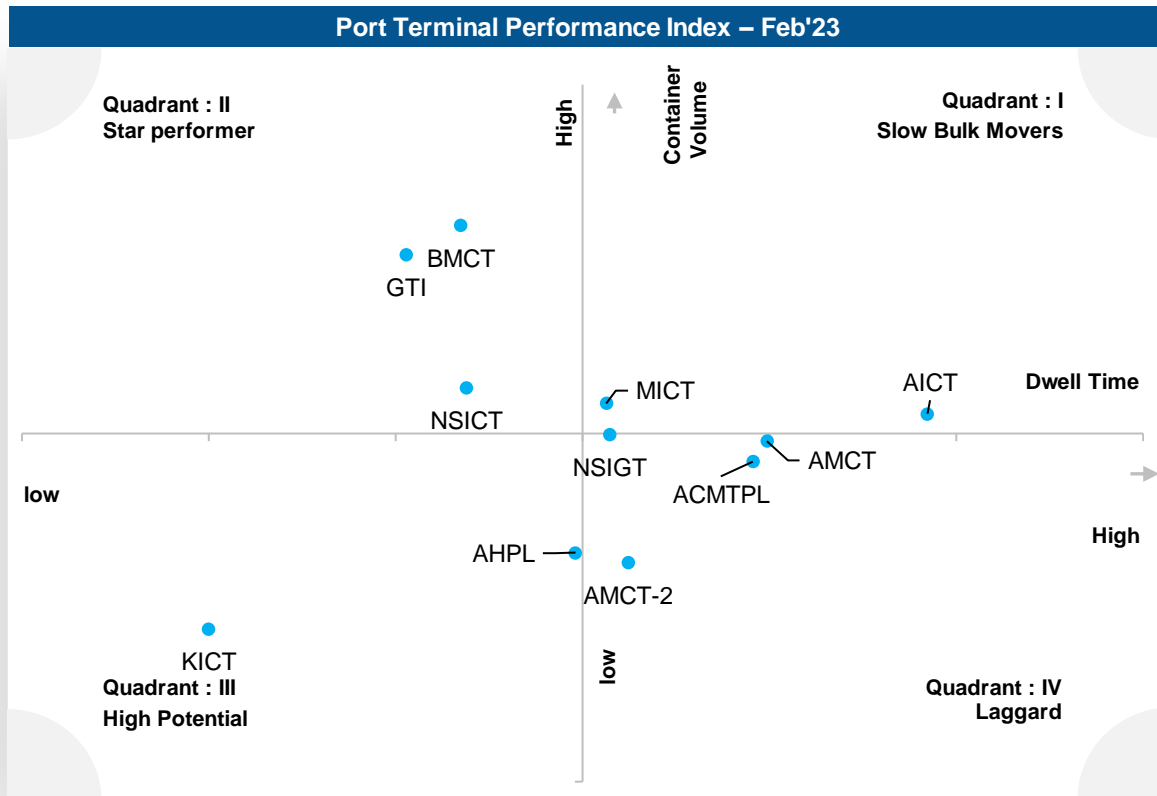|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Inland Container Depot (ICD)	119.1	112.4	⬆
Container Freight Stations (CFS)	79.5	81.8	⬇

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

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 Feb'23

Port Terminal Performance Index – Feb'23

Quadrant : II
Star performer

Container Volume

High

Quadrant : I
Slow Bulk Movers

BMCT
GTI

MICT
NSICT

AICT   Dwell Time

NSIGT

AMCT
ACMTPL

low

AHPL

High

AMCT-2

low

KICT
Quadrant : III
High Potential

Quadrant : IV
Laggard

Top Performing Terminal	
Bharat Mumbai Container Terminals (PSA)	
Jan'23	Feb'23
48.4 hrs	47.0 hrs

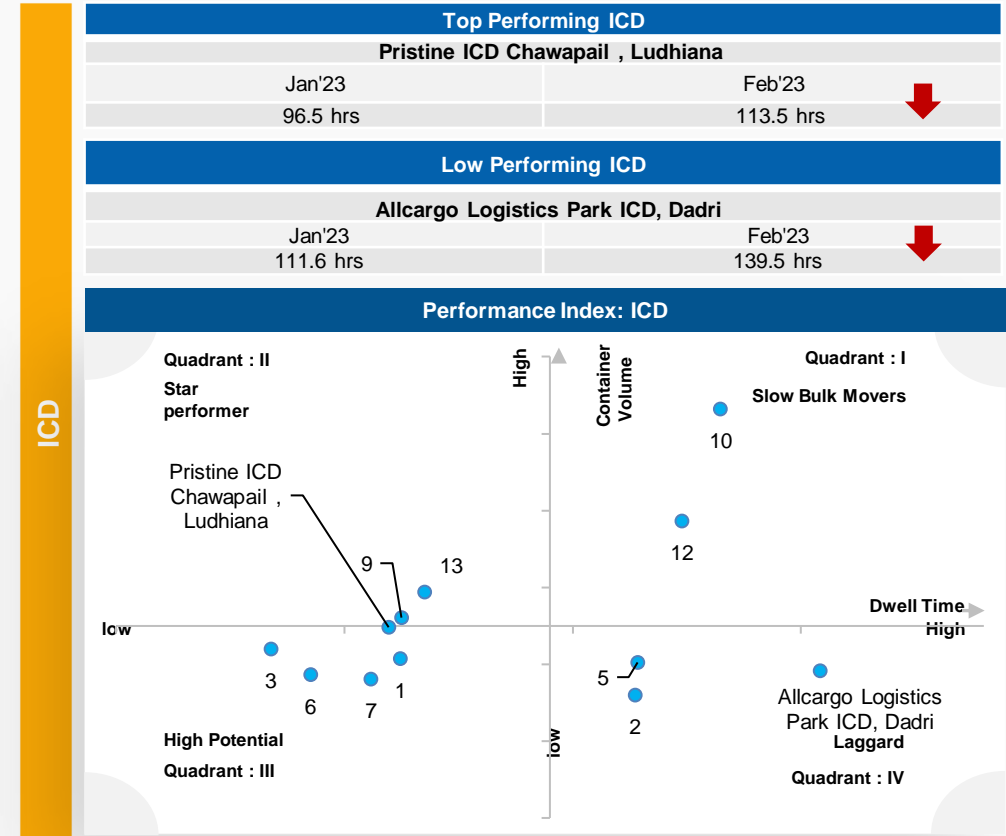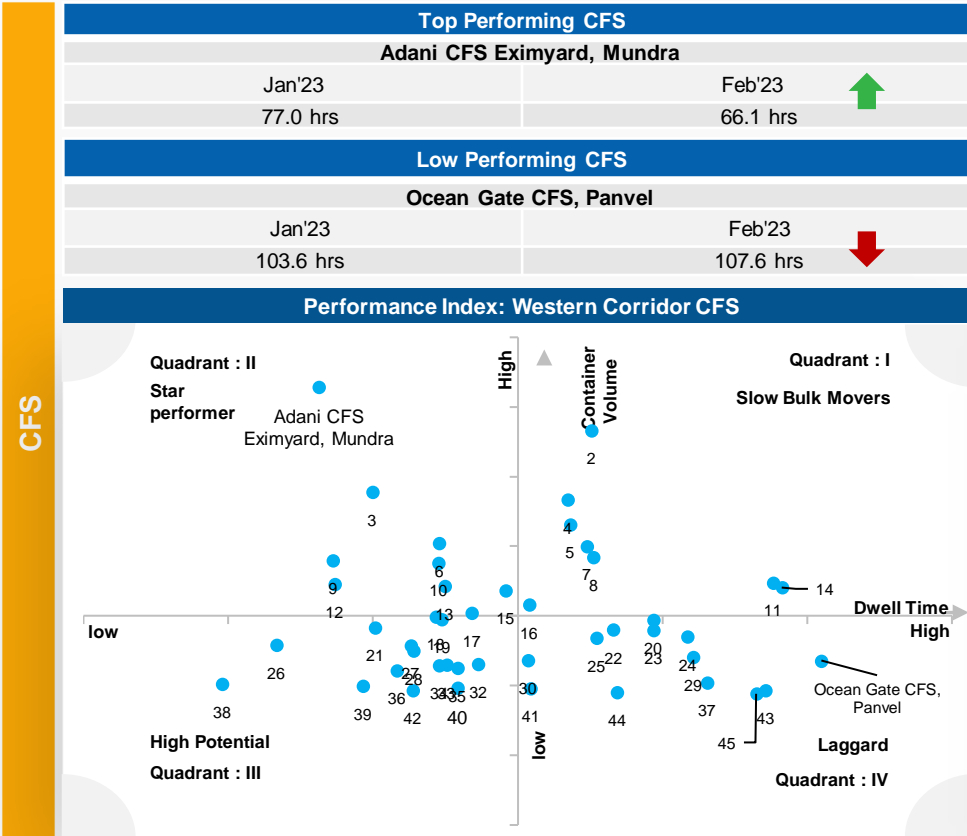| Low Performing Terminal	
Adani Mundra Container Terminal-2 (AMCT-2)	
Jan'23	Feb'23
55.5 hrs	60.9 hrs

Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'23

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

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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
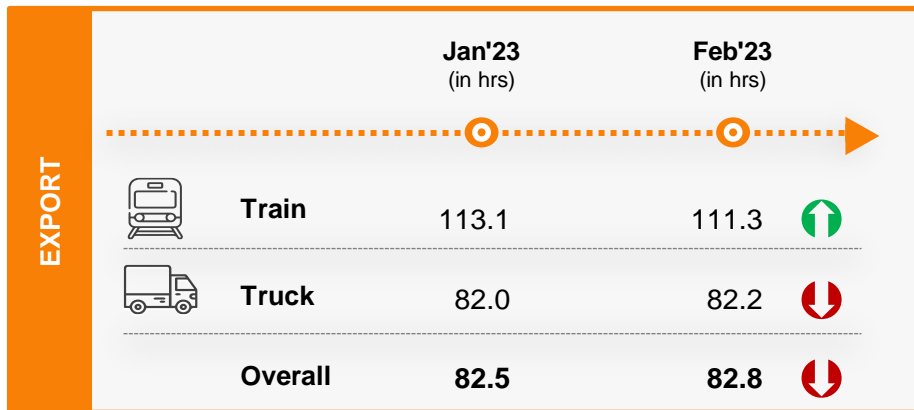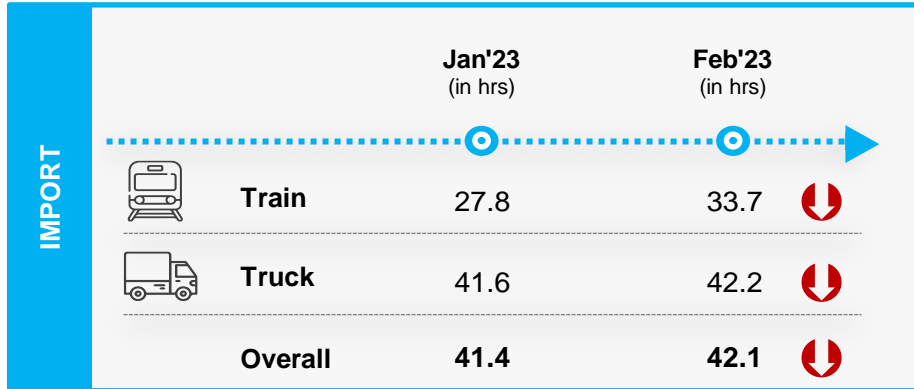
Performance Benchmarking

CFS

Top Performing CFS	
Adani CFS Eximyard, Mundra	
Jan'23	Feb'23
77.0 hrs	66.1 hrs ⬆

Low Performing CFS	
Ocean Gate CFS, Panvel	
Jan'23	Feb'23
103.6 hrs	107.6 hrs ⬇

Performance Index: Western Corridor CFS

ICD

Top Performing ICD	
Pristine ICD Chawapail , Ludhiana	
Jan'23	Feb'23
96.5 hrs	113.5 hrs ⬇

Low Performing ICD	
Allcargo Logistics Park ICD, Dadri	
Jan'23	Feb'23
111.6 hrs	139.5 hrs ⬇

Performance Index: ICD

Note: The performance benchmarking is based on performance index

Kindly refer to Annexure section for the names of CFS

⬆⬇ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'23

Container Transportation Performance - Southern Corridor

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	27.8	33.7	🔻
Truck	41.6	42.2	🔻
Overall	**41.4**	**42.1**	🔻

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	113.1	111.3	🔺
Truck	82.0	82.2	🔻
Overall	**82.5**	**82.8**	🔻

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

ENTITY

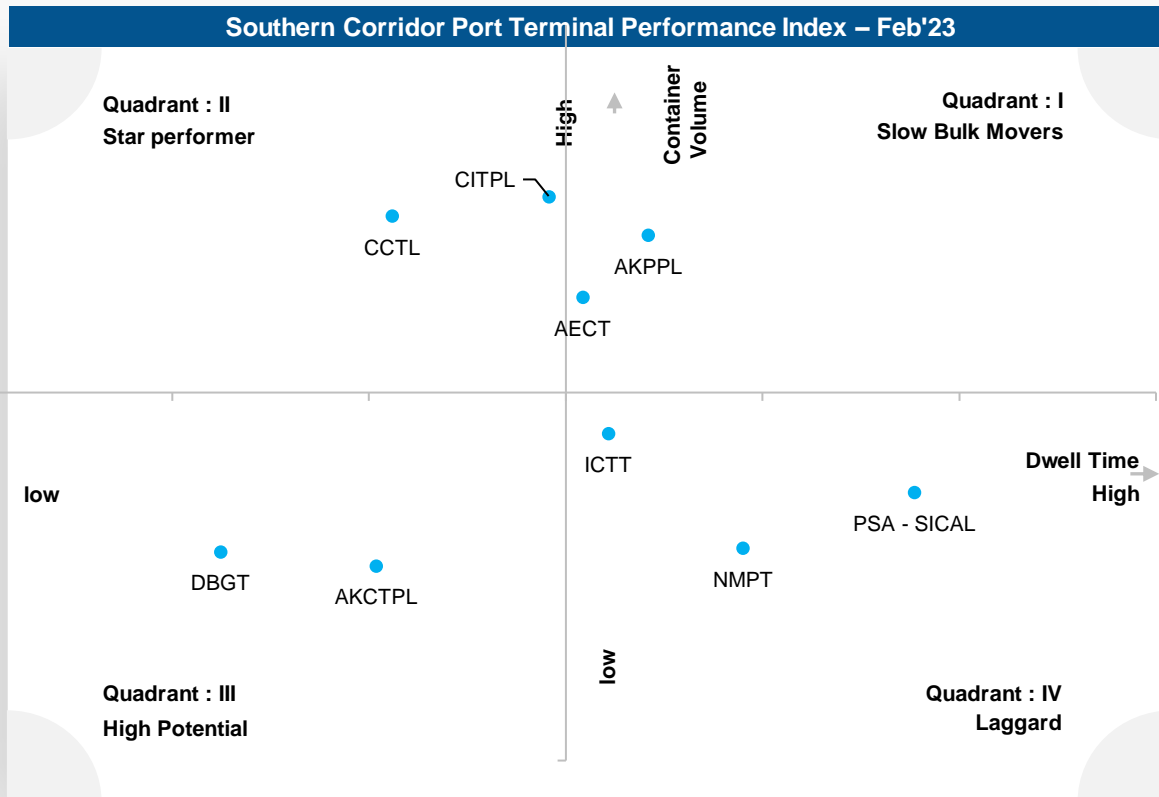|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	106.7	103.2	🔺

🔺 The marked entries showcase increase in performance in comparison to Jan'23

🔻 The marked entries showcase decrease in performance in comparison to Jan'23

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 Feb'23

Southern Corridor Port Terminal Performance Index – Feb'23

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

CITPL

CCTL

AKPPL

AECT

ICTT

Dwell Time High

PSA - SICAL

low

DBGT

AKCTPL

NMPT

Quadrant : III
High Potential

Quadrant : IV
Laggard

Top Performing Terminal	
Chennai Container Terminal Pvt. Ltd. (CCTL)	
Jan'23	Feb'23
59.9 hrs	49.4 hrs

Low Performing Terminal	
PSA SICAL Terminals	
Jan'23	Feb'23
83.2 hrs	77.9 hrs

Note: The performance benchmarking is based on performance index

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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

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

Performance Benchmarking - CFSs

Performance benchmarking for CFS covered under LDB project in Southern Corridor for Feb'23

Performance Index: Southern Corridor CFS

Top Performing CFS		
Sical CFS, Chennai Tiruvallur Tamil Nadu		
Jan'23	Feb'23	↑
83.8 hrs	75.8 hrs	

Low Performing CFS		
Hari CFS		
Jan'23	Feb'23	↓
143.5 hrs	178.9 hrs	

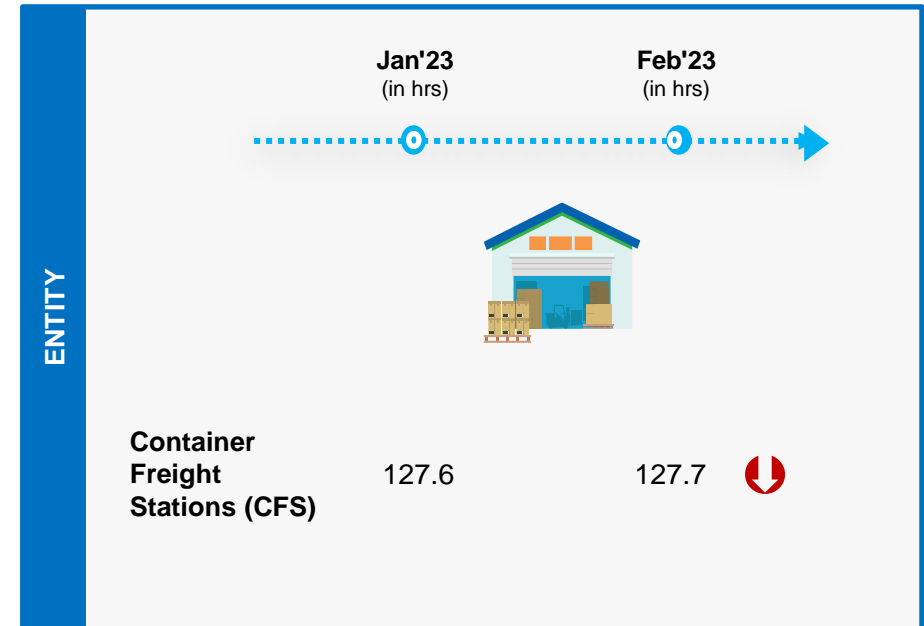Note: The performance benchmarking is based on performance index

↑↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'23

Performance Index - Summary

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Laggard
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Kindly refer to Annexure section for the names of CFS

Container Transportation Performance - Eastern Corridor

Port Dwell Time

IMPORT

		Jan'23 (in hrs)	Feb'23 (in hrs)	
🚆	Train	137.8	130.7	⬆
🚚	Truck	37.1	41.1	⬇
	Overall	**41.3**	**47.0**	⬇

EXPORT

		Jan'23 (in hrs)	Feb'23 (in hrs)	
🚆	Train	130.0	130.4	⬇
🚚	Truck	103.8	95.9	⬆
	Overall	**104.5**	**100.0**	⬆

Container Freight Stations(CFS)– Dwell Time

ENTITY

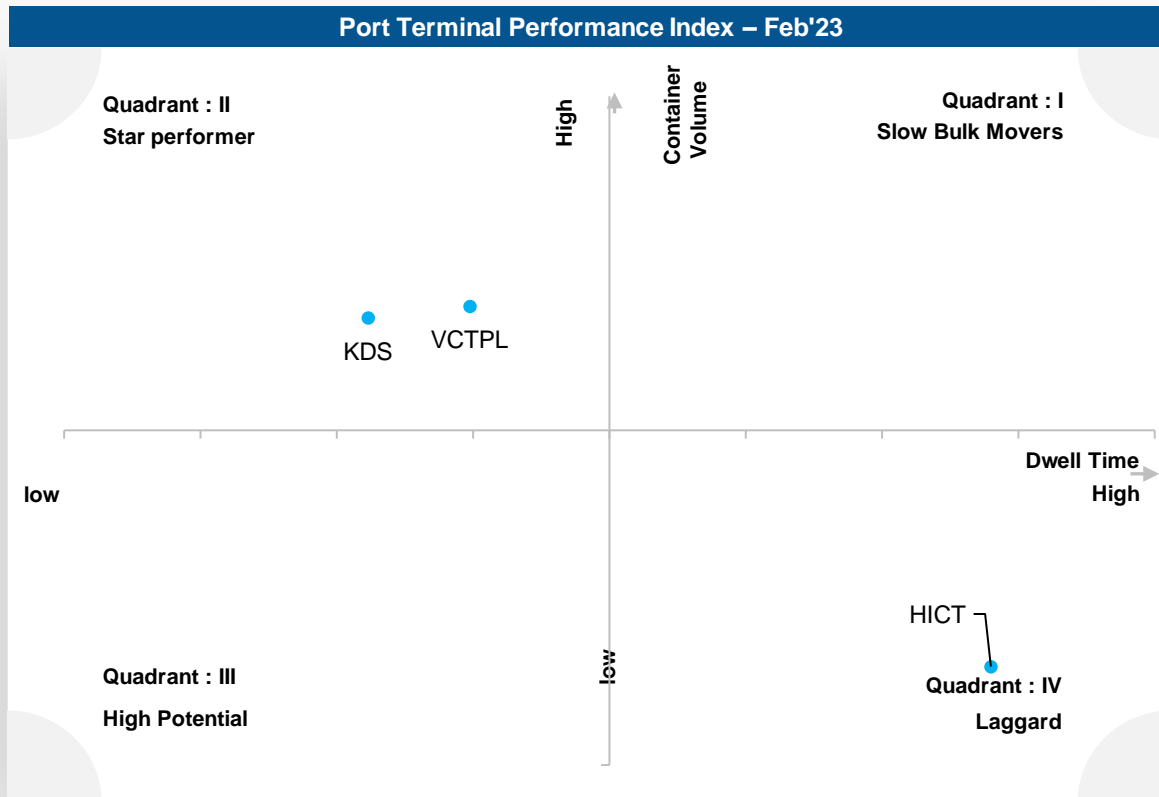|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	127.6	127.7	⬇

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index – Feb'23

Quadrant : II
Star performer

High

Container Volume

Quadrant : I
Slow Bulk Movers

KDS   VCTPL

Dwell Time
High

low

low

HICT

Quadrant : III
High Potential

Quadrant : IV
Laggard

Performance benchmarking for Port Terminal covered under LDB project in Eastern Corridor for Feb'23

Top Performing Terminal

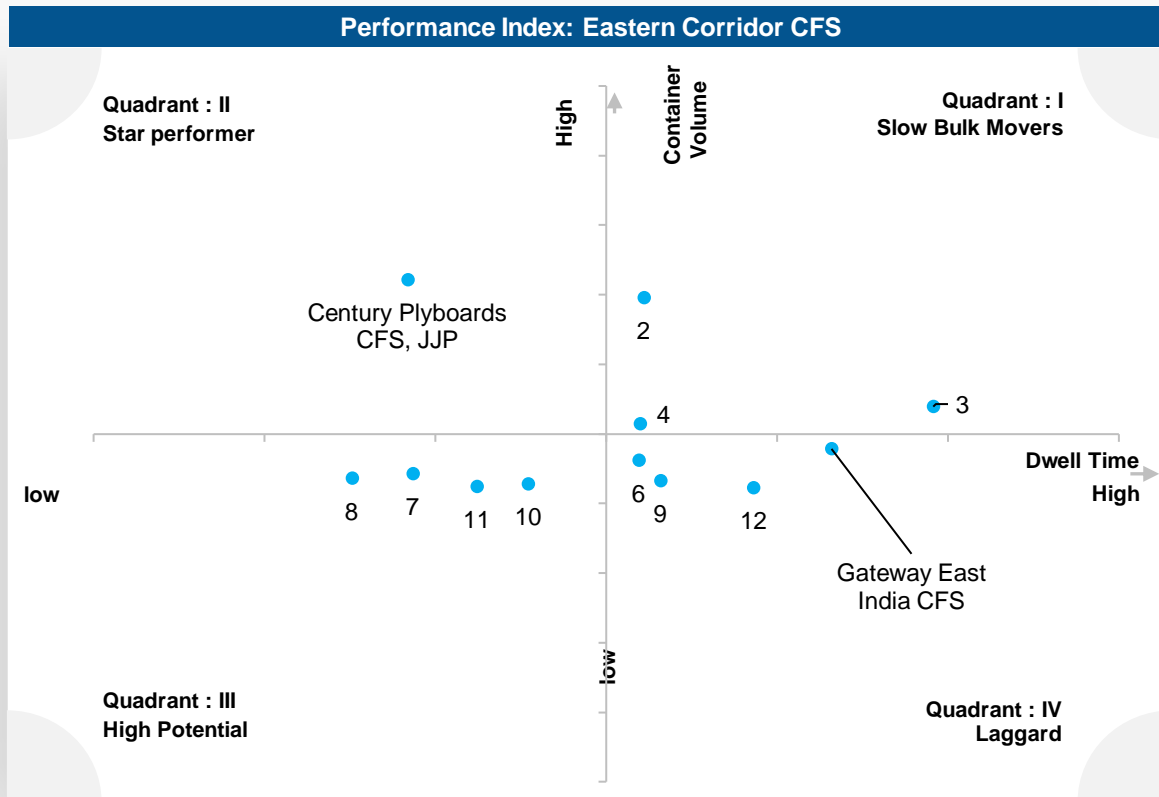**Kolkata Dock System (KDS) , Kolkata Port**

Jan'23	Feb'23	
61.0 hrs	69.6 hrs	⬇

Low Performing Terminal

Haldia International Container Terminal (HICT)

Jan'23	Feb'23	
101.1 hrs	101.3 hrs	⬇

Note: The performance benchmarking is based on performance index

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Performance Benchmarking - CFSs

Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Feb'23

Performance Index: Eastern Corridor CFS

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Container Volume

High

Century Plyboards CFS, JJP

2

4

3

Dwell Time
High

low

8   7   11   10   6   9   12

Gateway East India CFS

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

Kindly refer to Annexure section for the names of CFS

Top Performing CFS	
Century Plyboards CFS, JJP	
Jan'23	Feb'23
121.1 hrs	102.4 hrs

Low Performing CFS	
Gateway East India CFS	
Jan'23	Feb'23
157.5 hrs	151.3 hrs

Note: The performance benchmarking is based on performance index

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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

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Laggard
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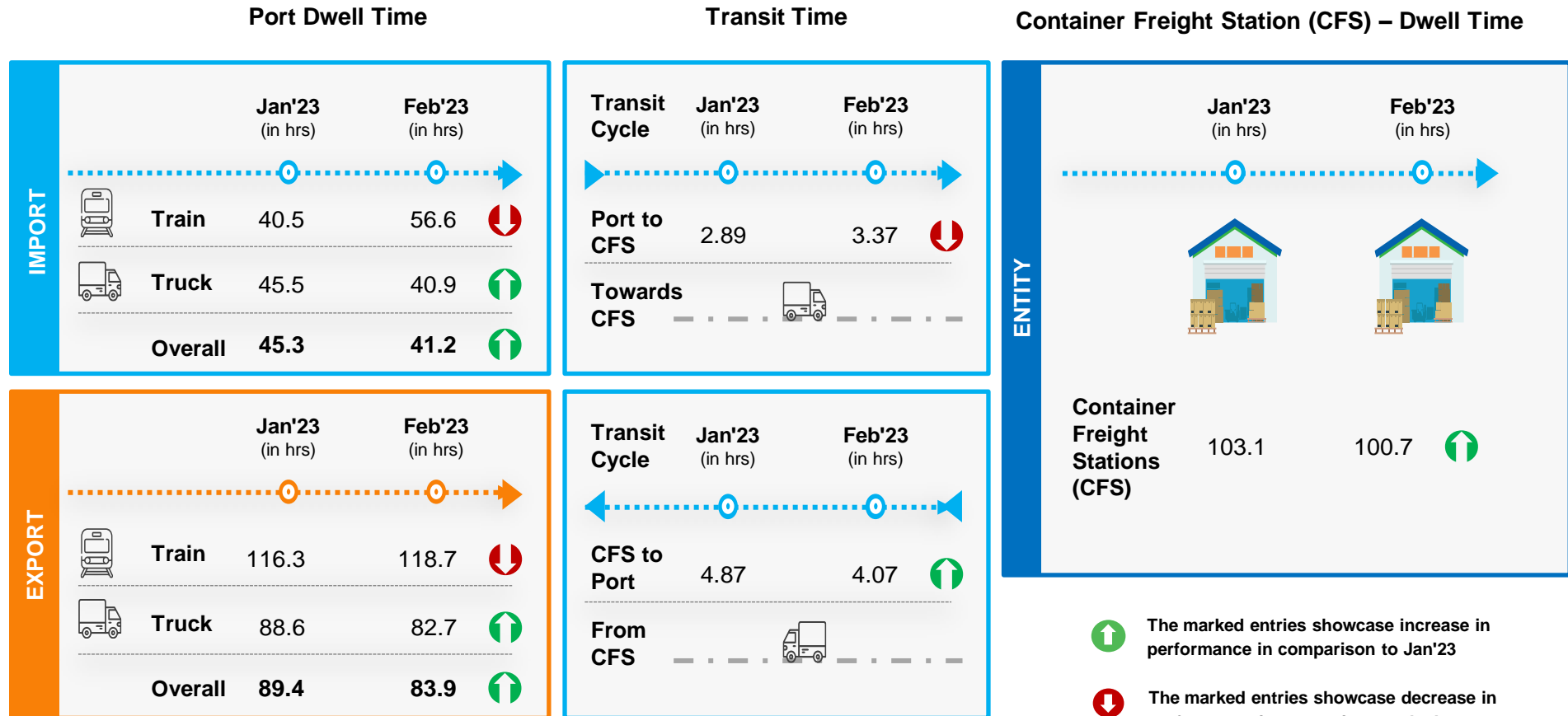
Annexure

Individual Terminal Performance In

Southern Corridor

Chennai Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	40.5	56.6	⬇
Truck	45.5	40.9	⬆
Overall	**45.3**	**41.2**	⬆

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	116.3	118.7	⬇
Truck	88.6	82.7	⬆
Overall	**89.4**	**83.9**	⬆

Container Lifecycle (Export Cycle)

Transit Time

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to CFS	2.89	3.37	⬇
Towards CFS			

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
CFS to Port	4.87	4.07	⬆
From CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

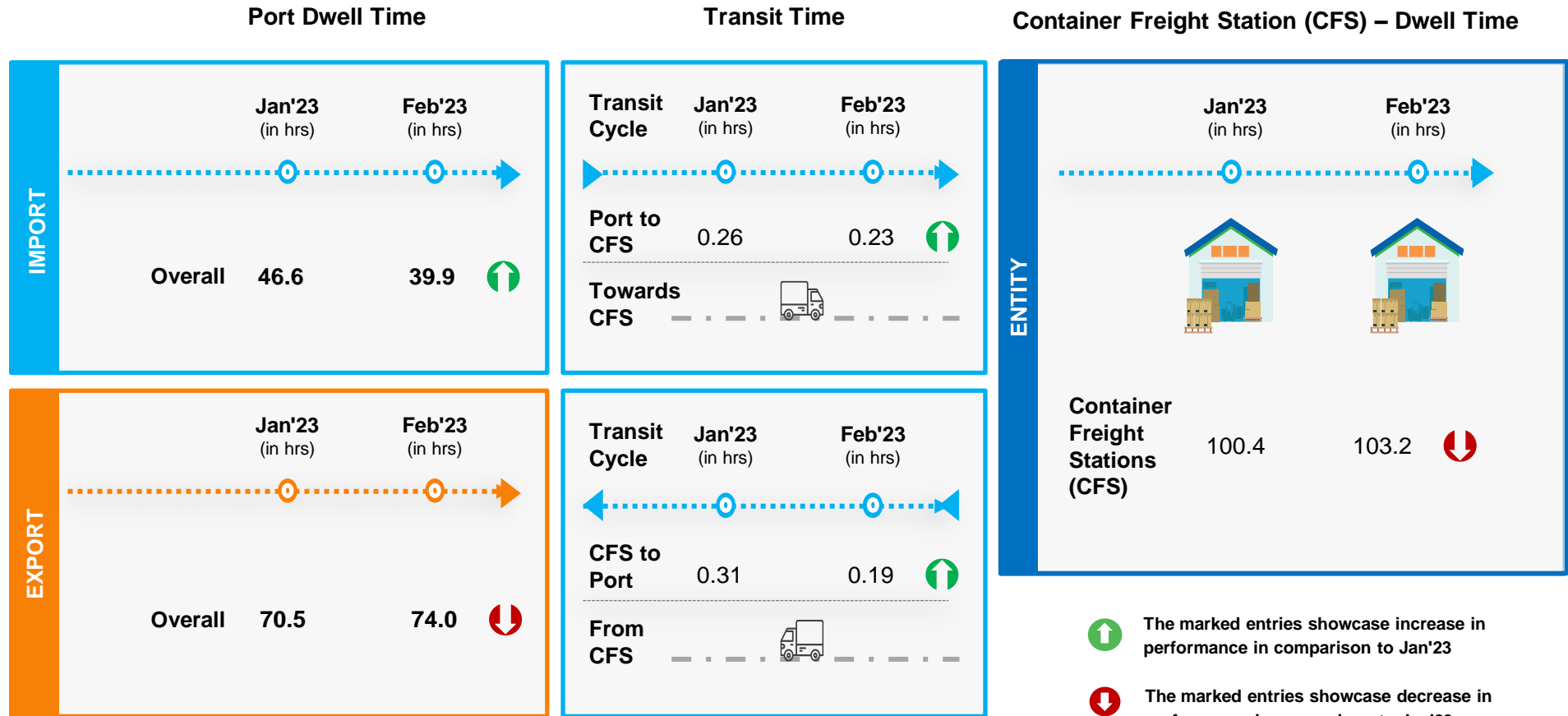|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	103.1	100.7	⬆

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Kochi Port Terminal: Container Transportation

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Overall	46.6	39.9	⬆

Transit Time

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to CFS	0.26	0.23	⬆

Towards CFS

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	100.4	103.2	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Overall	70.5	74.0	⬇

Transit Cycle

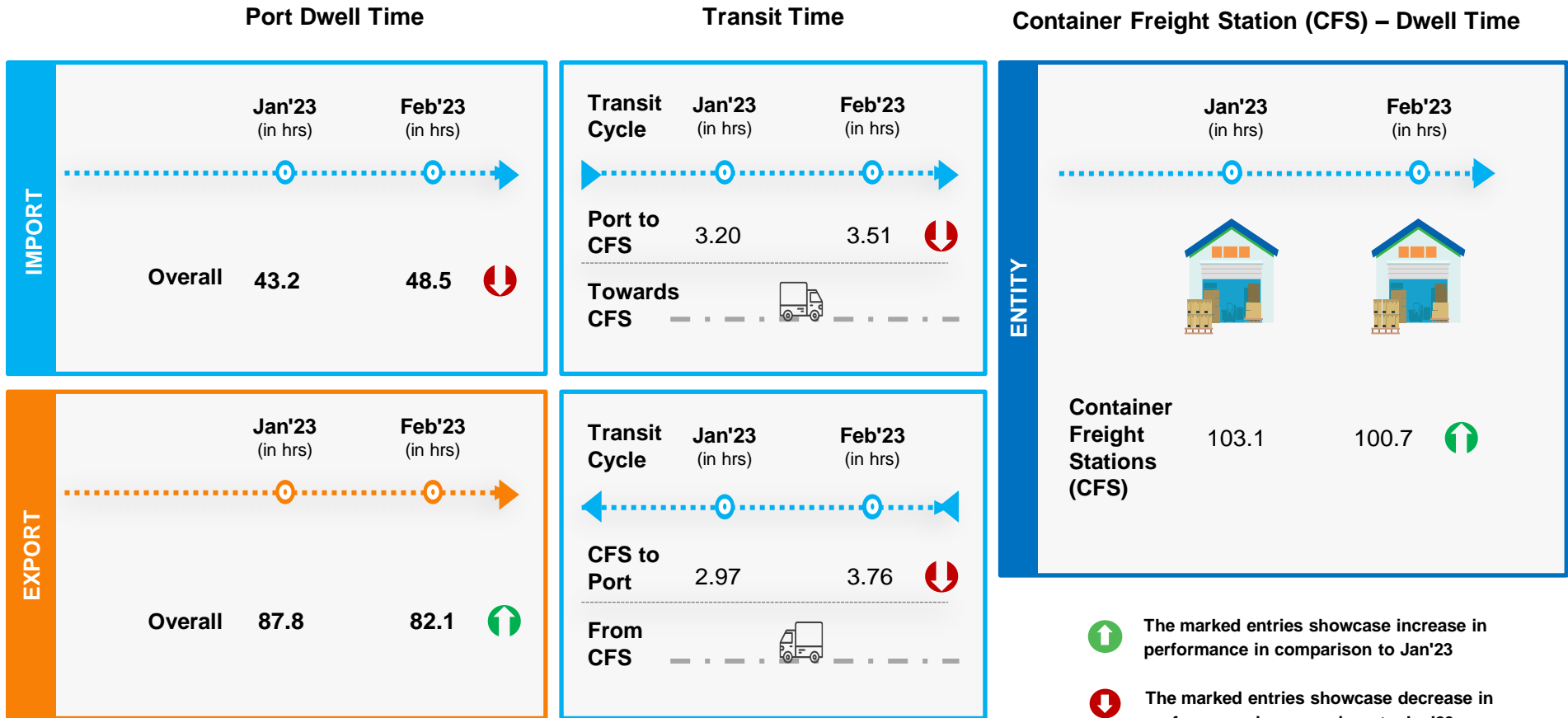|	Jan'23 (in hrs)	Feb'23 (in hrs)	
CFS to Port	0.31	0.19	⬆

From CFS

Container Lifecycle (Export Cycle)

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Kattupalli Port Terminal: Container Transportation
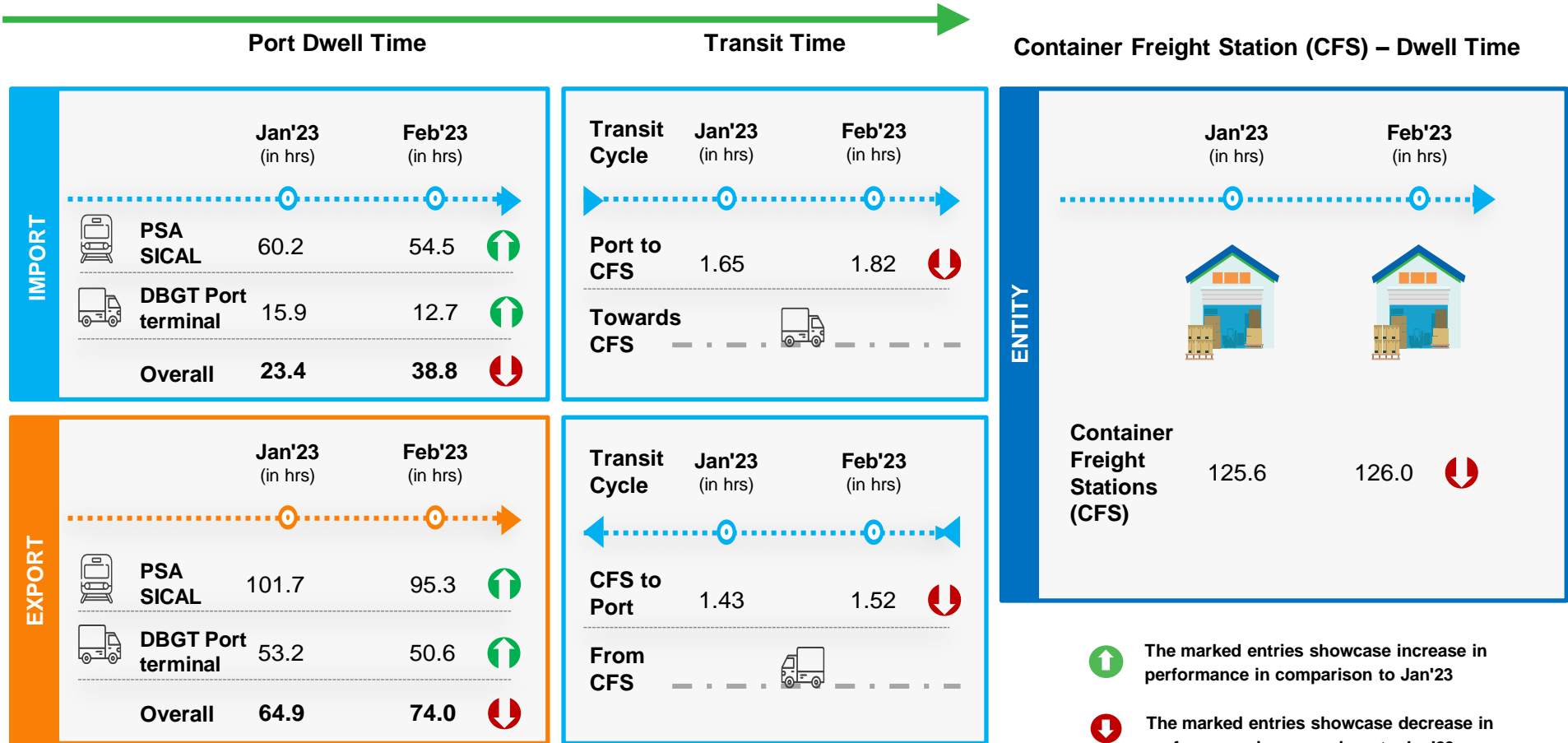
Container Lifecycle (Import Cycle)

Port Dwell Time

Transit Time

Container Freight Station (CFS) – Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	43.2	48.5

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
Port to CFS	3.20	3.51

Towards CFS

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	103.1	100.7

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	87.8	82.1

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
CFS to Port	2.97	3.76

From CFS

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Container Lifecycle (Export Cycle)

Tuticorin Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
PSA SICAL	60.2	54.5	⬆
DBGT Port terminal	15.9	12.7	⬆
Overall	**23.4**	**38.8**	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
PSA SICAL	101.7	95.3	⬆
DBGT Port terminal	53.2	50.6	⬆
Overall	**64.9**	**74.0**	⬇

Transit Time

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to CFS	1.65	1.82	⬇
Towards CFS			

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
CFS to Port	1.43	1.52	⬇
From CFS			

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	125.6	126.0	⬇

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23
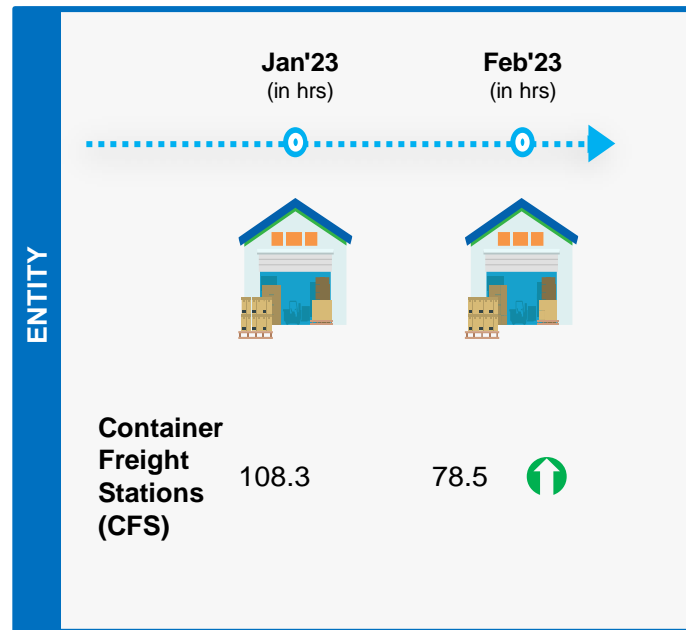
Container Lifecycle (Export Cycle)

Krishnapatnam Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	32.2	43.2 🔻

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	78.8	54.4 🔼

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) – Dwell Time

ENTITY

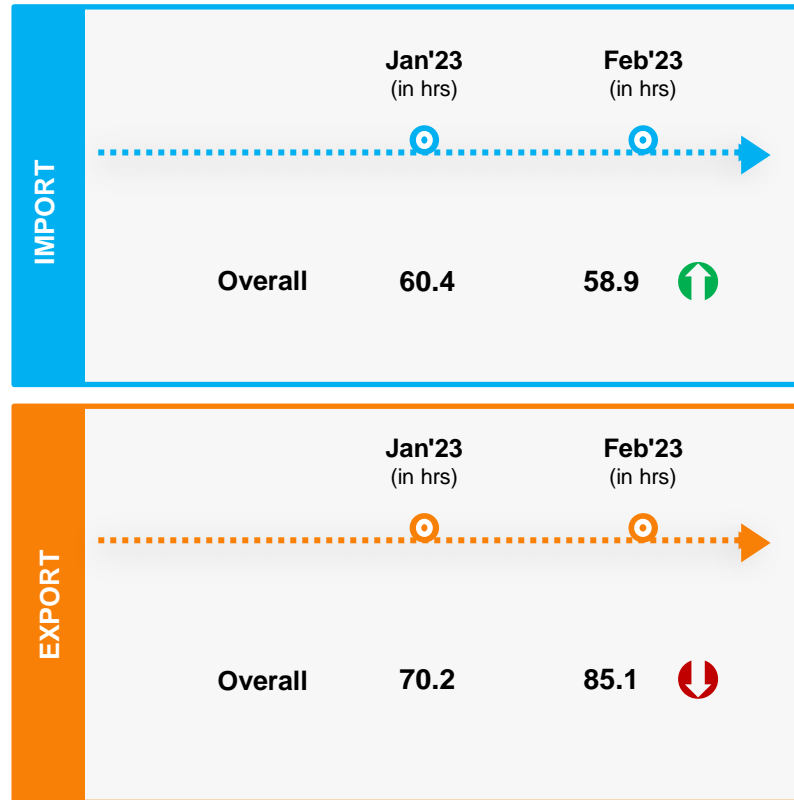|	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	108.3	78.5 🔼
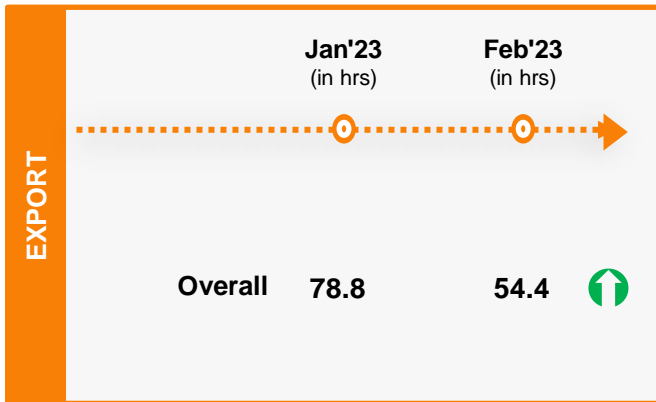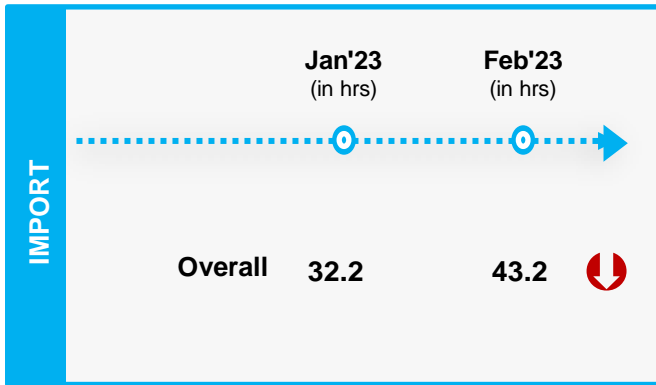
🔼 The marked entries showcase increase in performance in comparison to Jan'23

🔻 The marked entries showcase decrease in performance in comparison to Jan'23

Ennore Port Terminal: Container Transportation

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

Container Freight Stations(CFS)– Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	18.2	17.1	⬆
Truck	39.3	37.6	⬆
Overall	**38.0**	**36.6**	⬆

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	103.1	100.7	⬆

EXPORT

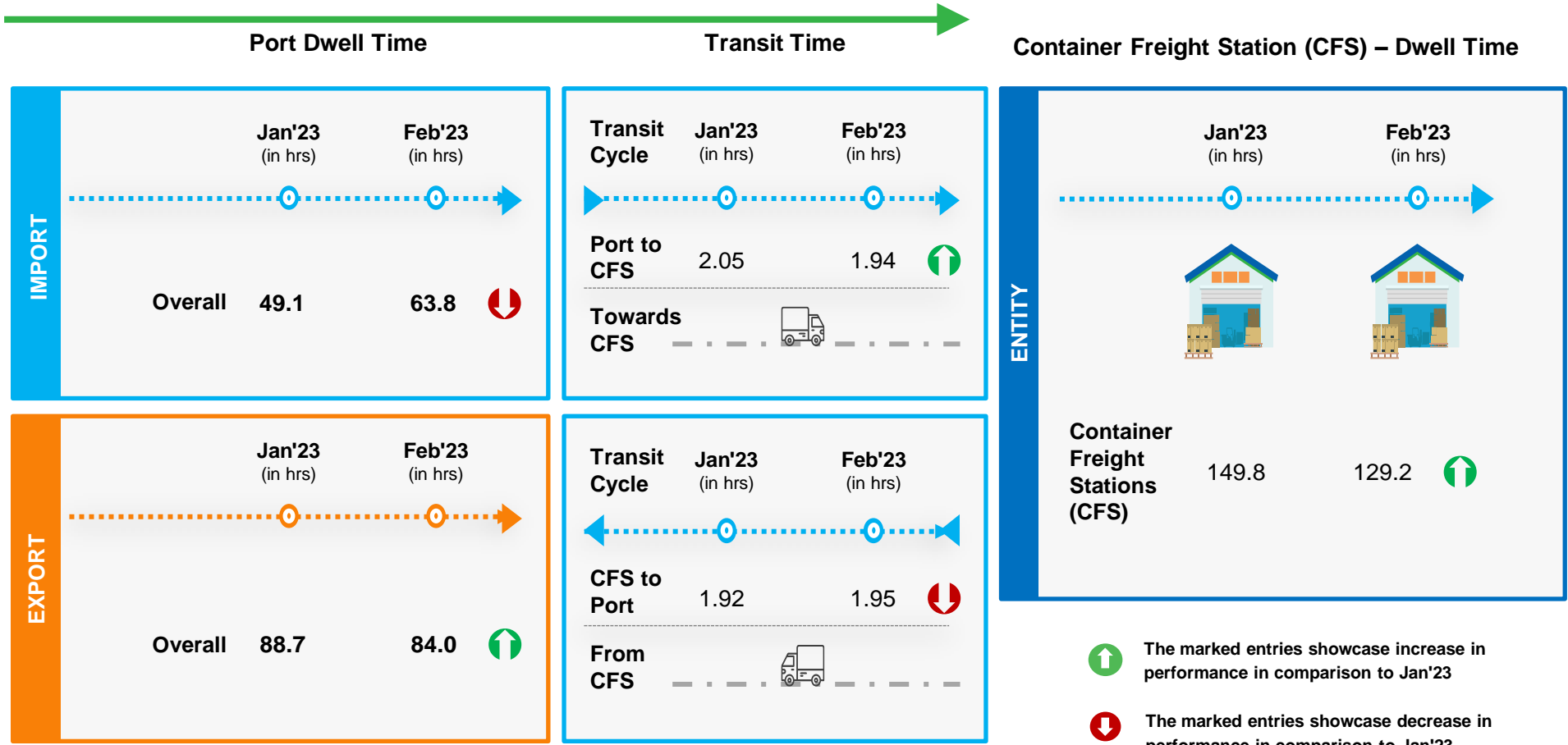|	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	106.1	103.4	⬆
Truck	99.7	97.9	⬆
Overall	**100.3**	**98.4**	⬆

Container Lifecycle (Export Cycle)

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

New Mangalore Port Terminal: Container Transportation

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	60.4	58.9 🟢

EXPORT

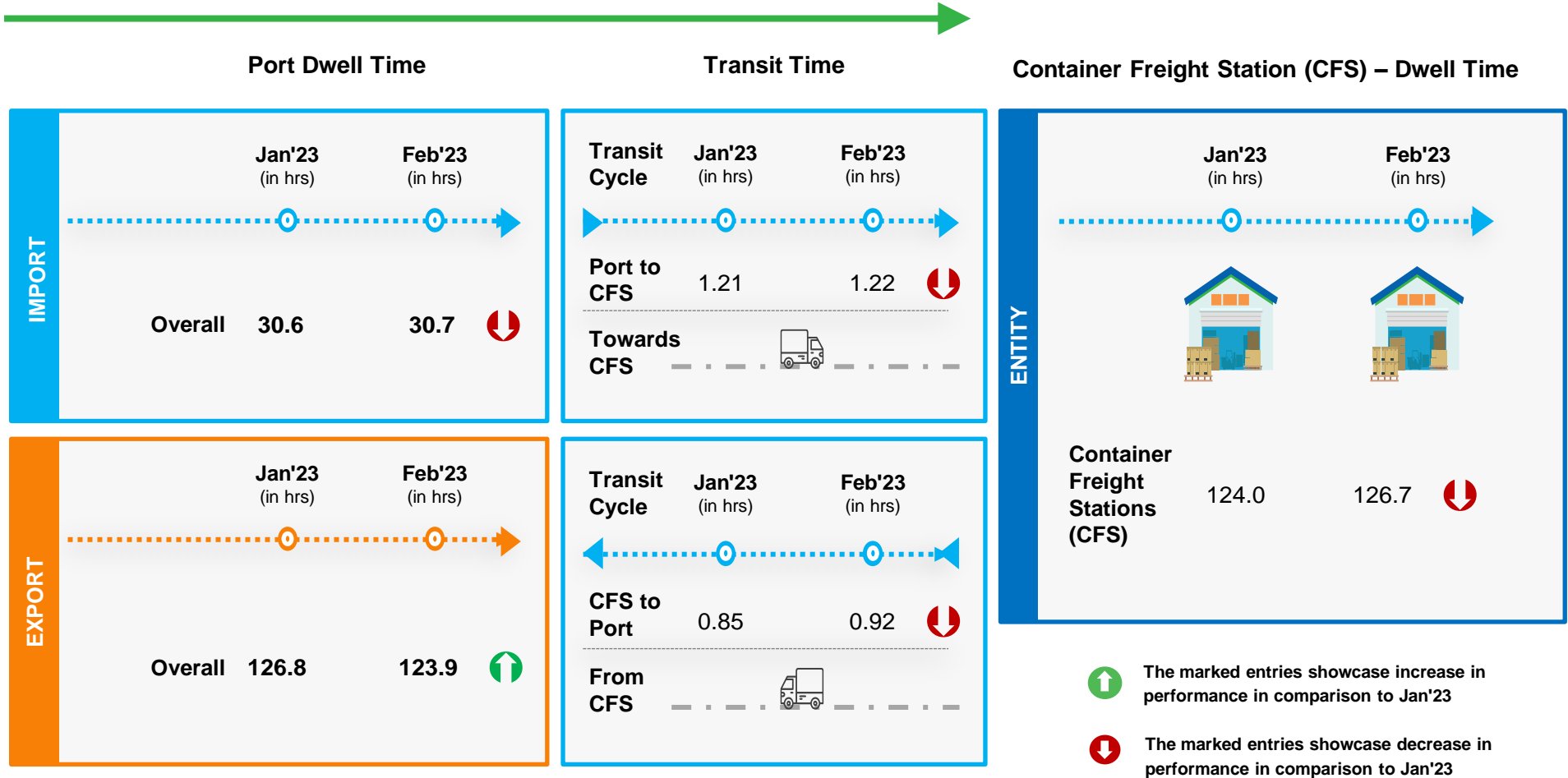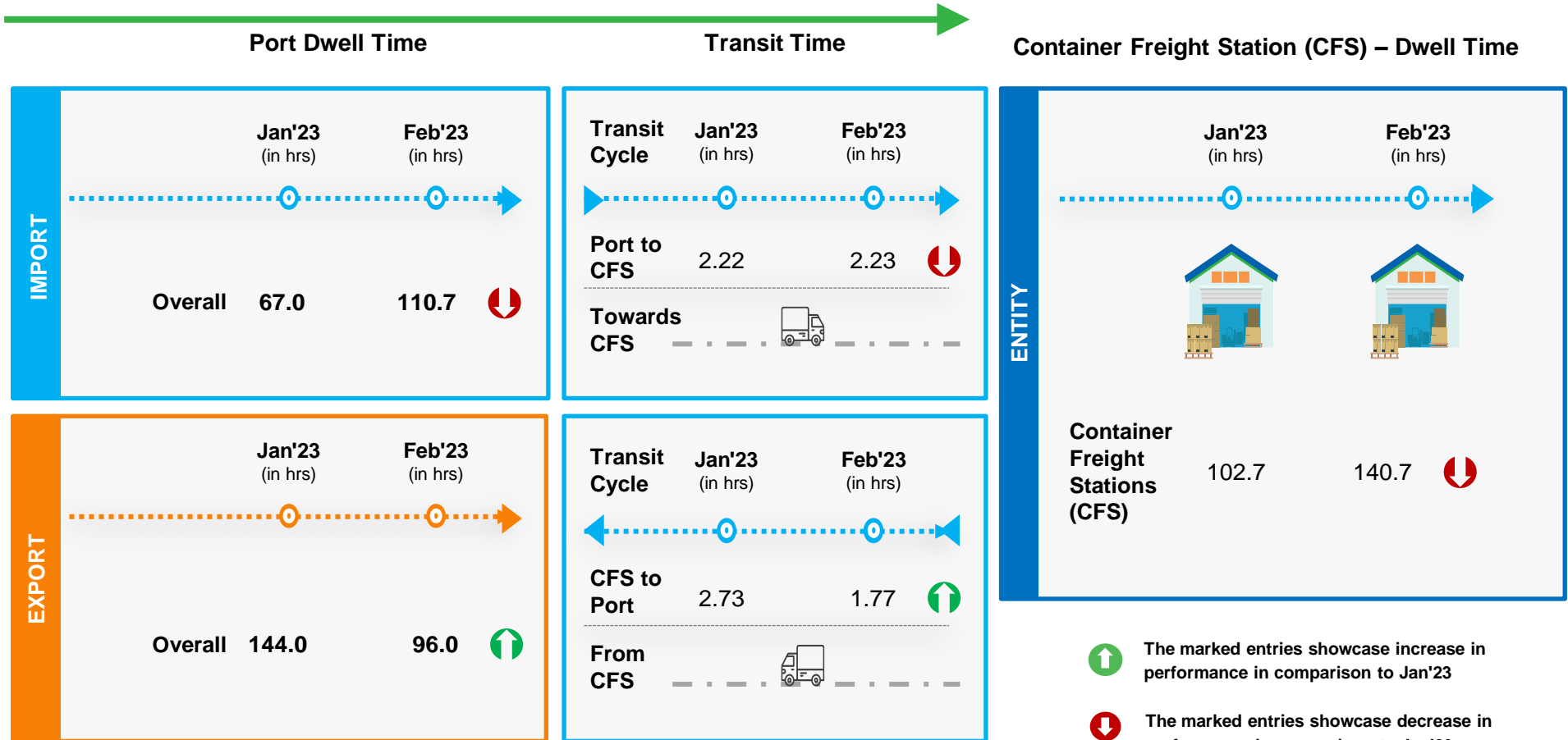|	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	70.2	85.1 🔴

🟢 The marked entries showcase increase in performance in comparison to Jan'23

🔴 The marked entries showcase decrease in performance in comparison to Jan'23

Individual Terminal Performance In

Eastern Corridor

Vishakhapatnam Port Terminal: Container Transportation

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	49.1	63.8 🔻

Transit Time

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
Port to CFS	2.05	1.94 🟢

Towards CFS

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	149.8	129.2 🟢

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	88.7	84.0 🟢

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
CFS to Port	1.92	1.95 🔻

From CFS

🟢 The marked entries showcase increase in performance in comparison to Jan'23

🔻 The marked entries showcase decrease in performance in comparison to Jan'23

Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	30.6	30.7 ⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	126.8	123.9 ⬆

Transit Time

Transit Cycle — Jan'23 (in hrs) — Feb'23 (in hrs)

Port to CFS	1.21	1.22 ⬇

Towards CFS

Transit Cycle — Jan'23 (in hrs) — Feb'23 (in hrs)

CFS to Port	0.85	0.92 ⬇

From CFS

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	124.0	126.7 ⬇

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Container Lifecycle (Export Cycle)

Haldia Port Terminal: Container Transportation
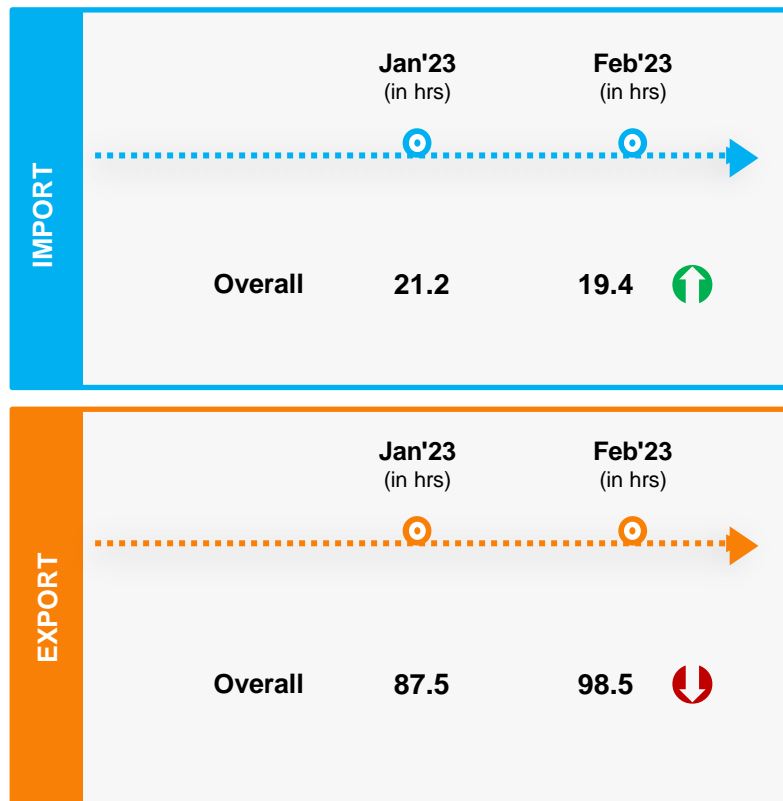

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	67.0	110.7

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	144.0	96.0

Container Lifecycle (Export Cycle)

Transit Time

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
Port to CFS	2.22	2.23

Towards CFS

Transit Cycle

	Jan'23 (in hrs)	Feb'23 (in hrs)
CFS to Port	2.73	1.77

From CFS

Container Freight Station (CFS) – Dwell Time

ENTITY

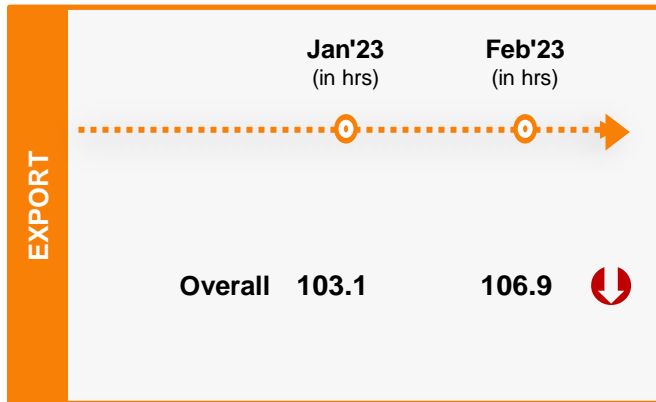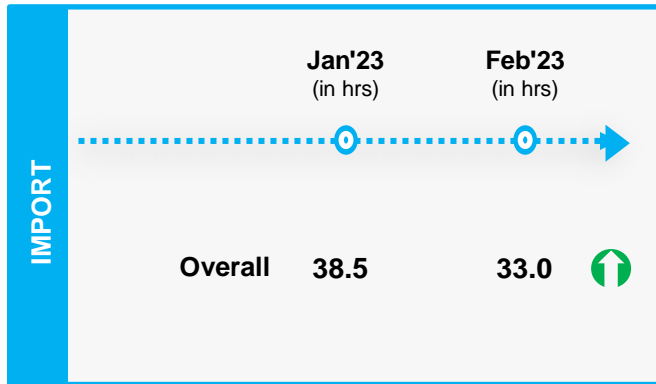|	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	102.7	140.7

The marked entries showcase increase in performance in comparison to Jan'23

The marked entries showcase decrease in performance in comparison to Jan'23

Individual Terminal Performance In

Western Corridor

Pipavav Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Overall	40.1	47.6	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Overall	108.4	83.2	⬆

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	81.3	86.1	⬇

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Kandla Port Terminal: Container Transportation

Port Dwell Time

IMPORT
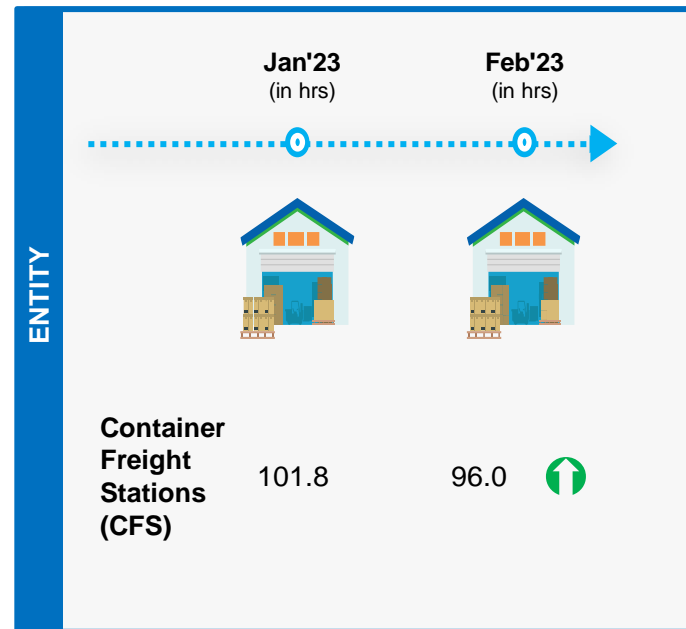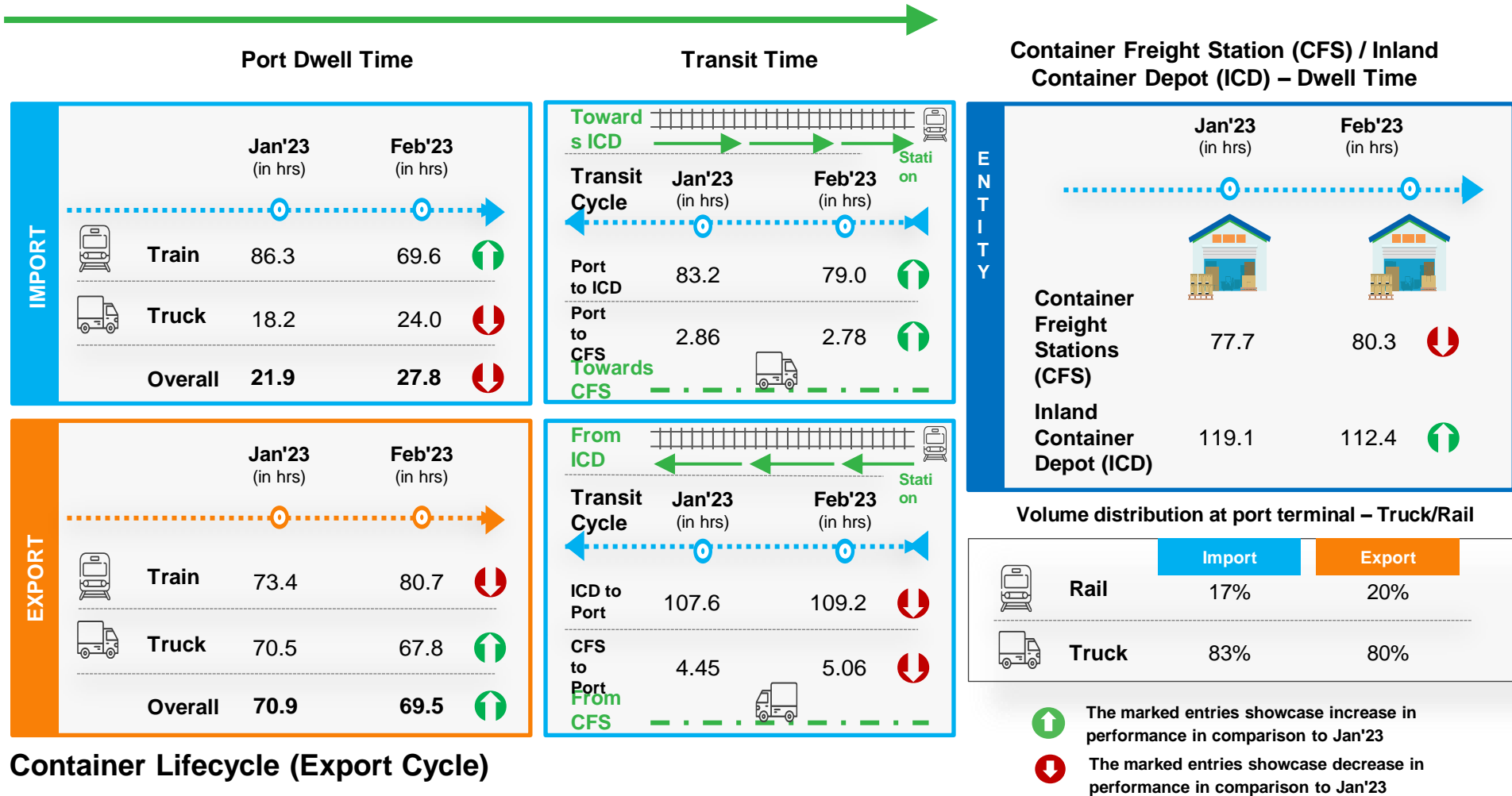
	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	21.2	19.4

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	87.5	98.5
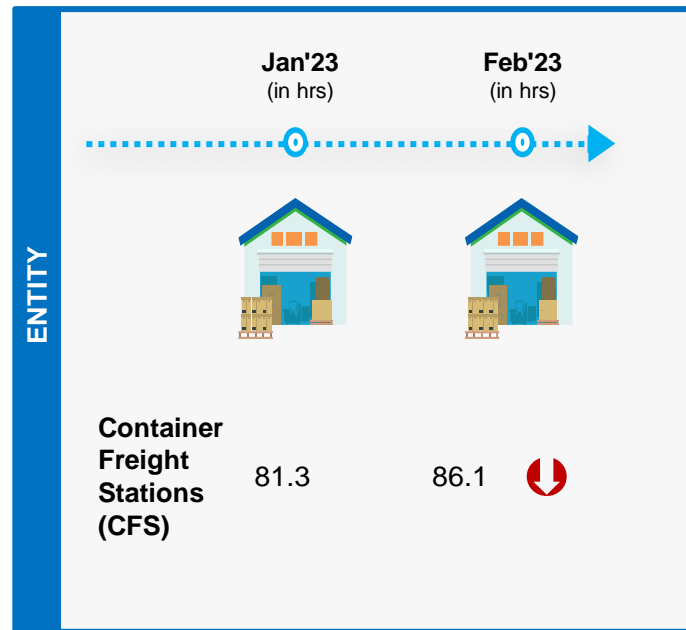
The marked entries showcase increase in performance in comparison to Jan'23

The marked entries showcase decrease in performance in comparison to Jan'23

Hazira Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	38.5	33.0

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall	103.1	106.9

Container Lifecycle (Export Cycle)

Container Freight Station (CFS) – Dwell Time

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)
Container Freight Stations (CFS)	101.8	96.0

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

JNPA Port Terminal: Container Transportation

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	86.3	69.6	⬆
Truck	18.2	24.0	⬇
Overall	21.9	27.8	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	73.4	80.7	⬇
Truck	70.5	67.8	⬆
Overall	70.9	69.5	⬆

Transit Time

Towards ICD — Station

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to ICD	83.2	79.0	⬆
Port to CFS	2.86	2.78	⬆

Towards CFS

From ICD — Station

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
ICD to Port	107.6	109.2	⬇
CFS to Port	4.45	5.06	⬇

From CFS

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

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	77.7	80.3	⬇
Inland Container Depot (ICD)	119.1	112.4	⬆

Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	17%	20%
Truck	83%	80%

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Container Lifecycle (Export Cycle)

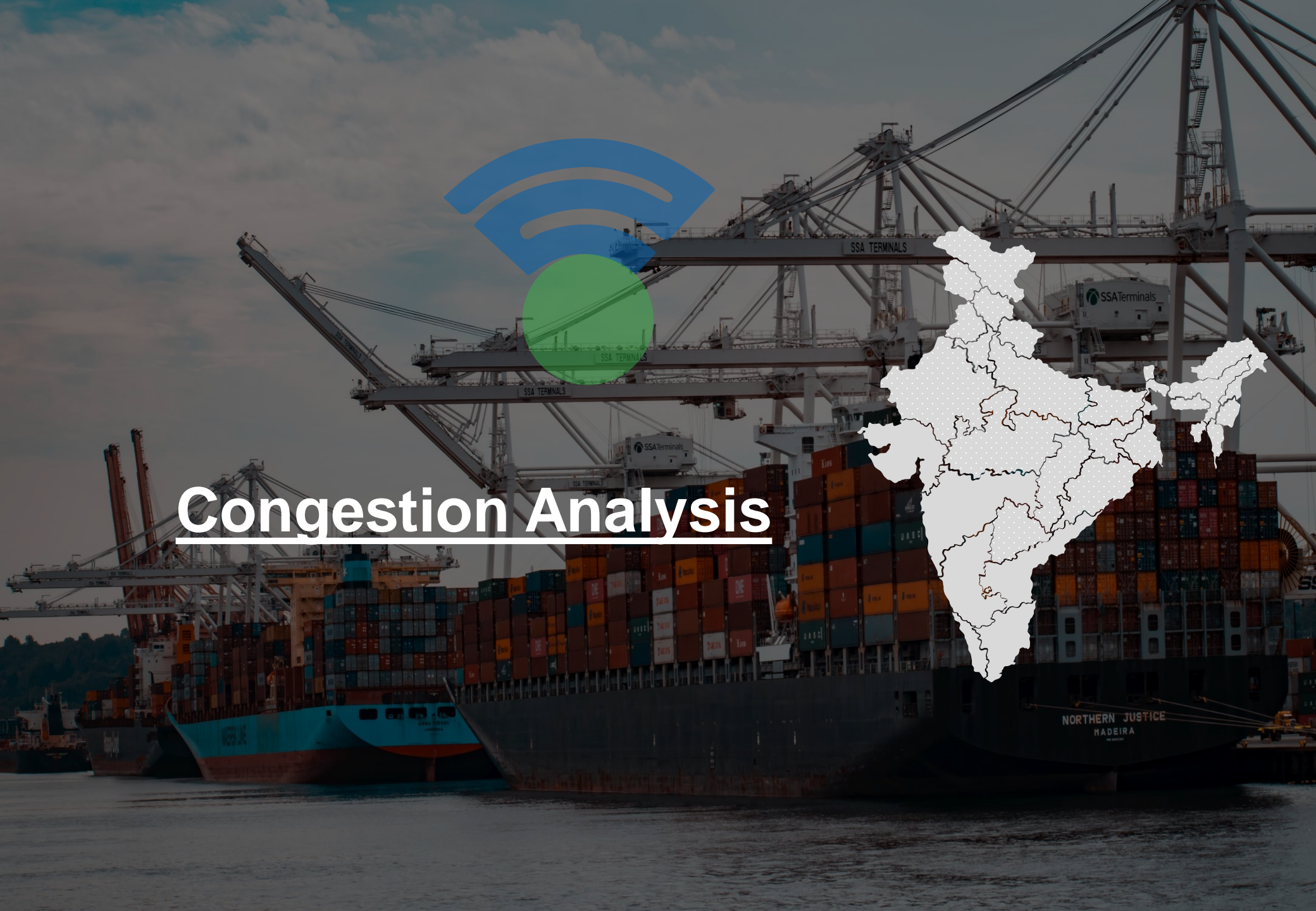# JNPA Port Terminal: Container Transportation

IMPORT CYCLE DWELL TIME (Feb'23 – in hrs)			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	27.8	26.9% ↓
	Port Dwell Time for Truck Bound Containers	24.0	31.9% ↓
	Port Dwell time for Train Bound Containers	69.6	19.4% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	31.5	8.6% ↓
	Port Dwell time Containers bound for CFS	20.0	20.5% ↓
	Port Dwell for Empty Containers	48.1	82.9% ↓
	Port Dwell for Laden Containers	24.3	15.2% ↓
Transit time	Port to ICD	79.0	5.0% ↑
	Port to CFS	2.78	2.8% ↑

Compared to Jan'23

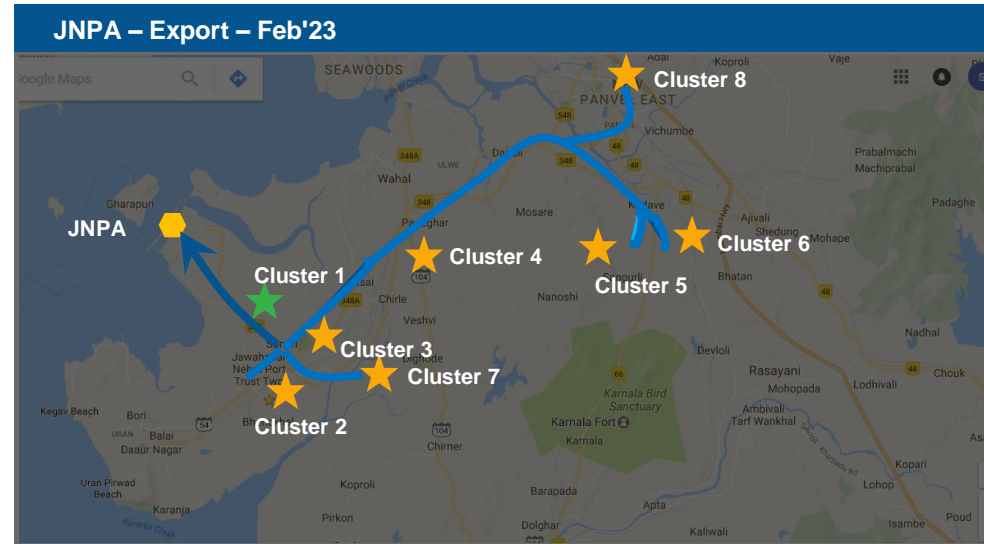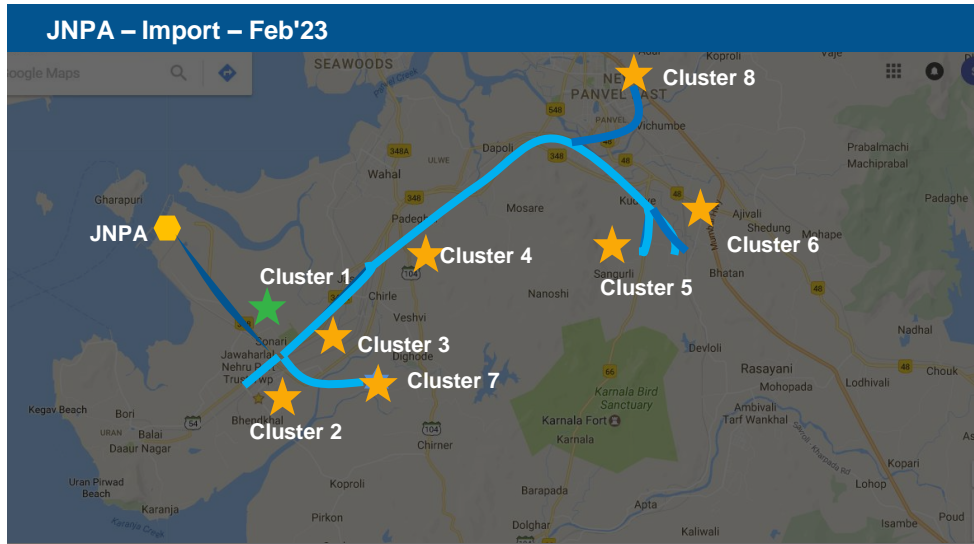| EXPORT CYCLE DWELL TIME (Feb'23– in hrs)			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	69.5	2.0% ↑
	Port Dwell Time for Truck Bound Containers	67.8	3.8% ↑
	Port Dwell time for Train Bound Containers	80.7	9.9% ↓
	Port Dwell time Direct Port Entry (DPE) containers	66.0	2.5% ↑
	Port Dwell time Containers bound from CFS	67.2	2.0% ↑
	Port Dwell for Empty Containers	64.9	0.8% ↑
	Port Dwell for Laden Containers	70.6	2.5% ↑
Transit time	ICD to Port	109.2	1.5% ↓
	CFS to Port	5.06	13.7% ↓

Compared to Jan'23

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Jan'23

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	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall Parking Plaza	5.10	5.42

Container Handled: Day wise (Feb'23)

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	10%	25%	34%	22%	6%	3%

Parking Plaza Gate Out – Terminal In

Mode	Jan'23 (in hrs)	Feb'23 (in hrs)
Overall Parking Plaza to JNPA Port	1.88	2.55

Port	Jan'23 (in hrs)	Feb'23 (in hrs)
JNPCT	-	-
NSICT	2.0	4.1
GTI	0.8	1.2
NSIGT	1.2	2.0
BMCT	6.3	4.7

Container Handled: Day wise (Feb'23)

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	-	-	-	-	-	-
NSICT	24%	25%	37%	12%	2%	1%
GTI	73%	20%	4%	1%	0%	0%
NSIGT	50%	37%	10%	2%	1%	0%
PSA	7%	33%	46%	13%	1%	0%

Mundra Port Terminal: Container Transportation

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	85.2	70.7	⬆
Truck	17.3	29.4	⬇
Overall	23.6	33.7	⬇

EXPORT

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Train	126.9	123.9	⬆
Truck	99.5	92.5	⬆
Overall	106.2	98.6	⬆

Container Lifecycle (Export Cycle)

Transit Time

Towards ICD
Station

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
Port to ICD	75.4	82.3	⬇
Port to CFS	0.97	1.08	⬇

Towards CFS

From ICD
Station

Transit Cycle	Jan'23 (in hrs)	Feb'23 (in hrs)	
ICD to Port	85.5	82.2	⬆
CFS to Port	0.70	0.99	⬇

From CFS

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

ENTITY

	Jan'23 (in hrs)	Feb'23 (in hrs)	
Container Freight Stations (CFS)	81.5	82.0	⬇
Inland Container Depot (ICD)	119.1	112.4	⬆

Volume distribution at port terminal – Truck/Rail

	Import	Export
Rail	19%	27%
Truck	81%	73%

⬆ The marked entries showcase increase in performance in comparison to Jan'23

⬇ The marked entries showcase decrease in performance in comparison to Jan'23

Mundra Port Terminal: Container Transportation

IMPORT CYCLE DWELL TIME (Feb'23– in hrs)

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	33.7	42.8% ⬇
	Port Dwell Time for Truck Bound Containers	29.4	69.9% ⬇
	Port Dwell time for Train Bound Containers	70.7	17.0% ⬆
Transit time	Port to ICD	82.3	9.2% ⬇
	Port to CFS	1.08	11.3% ⬇

EXPORT CYCLE DWELL TIME (Feb'23– in hrs)

Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	98.6	7.2% ⬆
	Port Dwell Time for Truck Bound Containers	92.5	7.0% ⬆
	Port Dwell time for Train Bound Containers	123.9	2.4% ⬆
Transit time	ICD to Port	82.2	3.9% ⬆
	CFS to Port	0.99	41.4% ⬇

Compared to Jan'23

⬆⬇ The arrows depict increase/decrease in performance of the stakeholders in comparison to Jan'23

Congestion Analysis

JNPA Region: Congestion Analysis

JNPA – Import – Feb'23

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

JNPA – Export – Feb'23

Clusters with bottleneck

Cluster 1	JNPA area

Clusters without bottleneck

Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area, JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area, khopate JNPA road
Cluster 8	Taloja, navi mumbai

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

Mundra Region: Congestion Analysis

Mundra – Import – Feb'23

Clusters with bottleneck	

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

Mundra – Export – Feb'23

Clusters with bottleneck	
Cluster 2	Hind circle

Clusters without bottleneck	
Cluster 1	APSEZ area
Cluster 3	Motakapaya

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

Chennai Region: Congestion Analysis

Chennai – Import – Feb'23
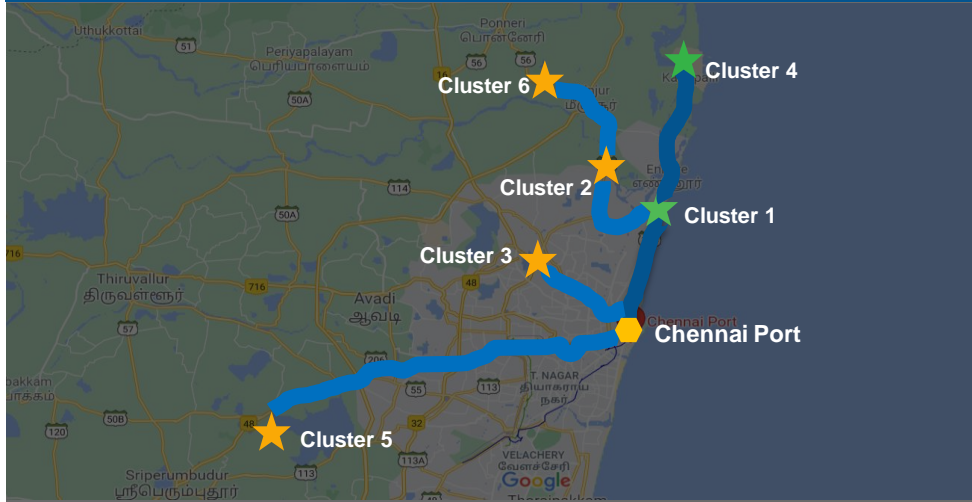
Clusters with bottleneck	
Cluster 1	Chennai port bound area
Cluster 4	Kattupalli port bound area

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 – Feb'23
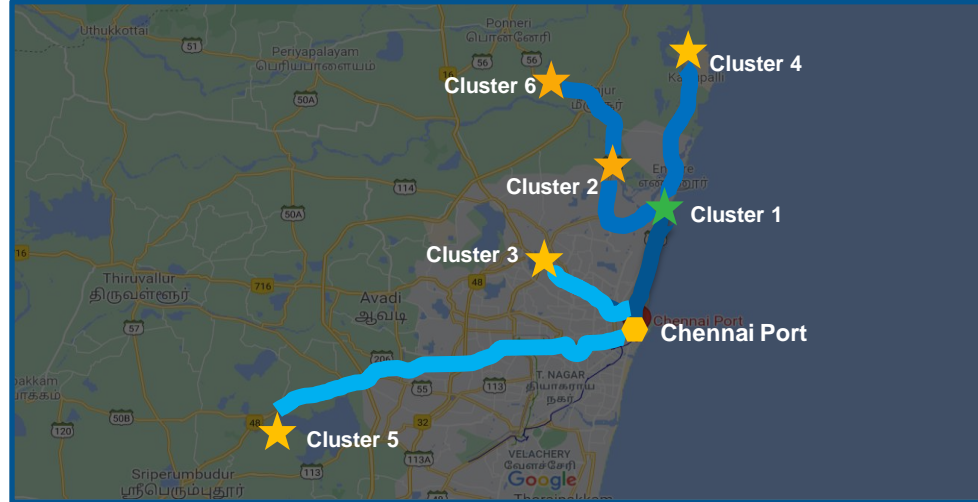
Clusters with bottleneck	
Cluster 1	Chennai port bound area

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

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

Tuticorin Region: Congestion Analysis

Tuticorin – Import – Feb'23
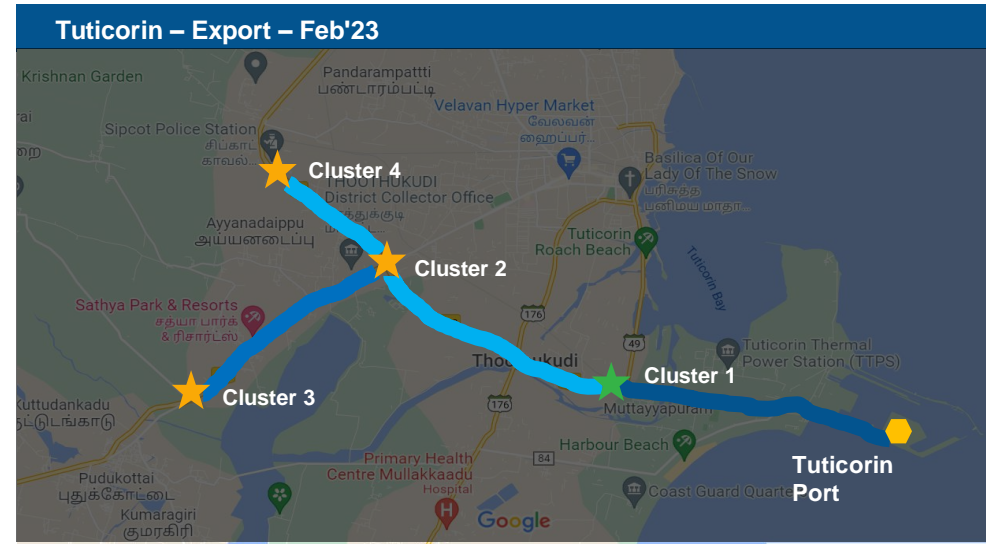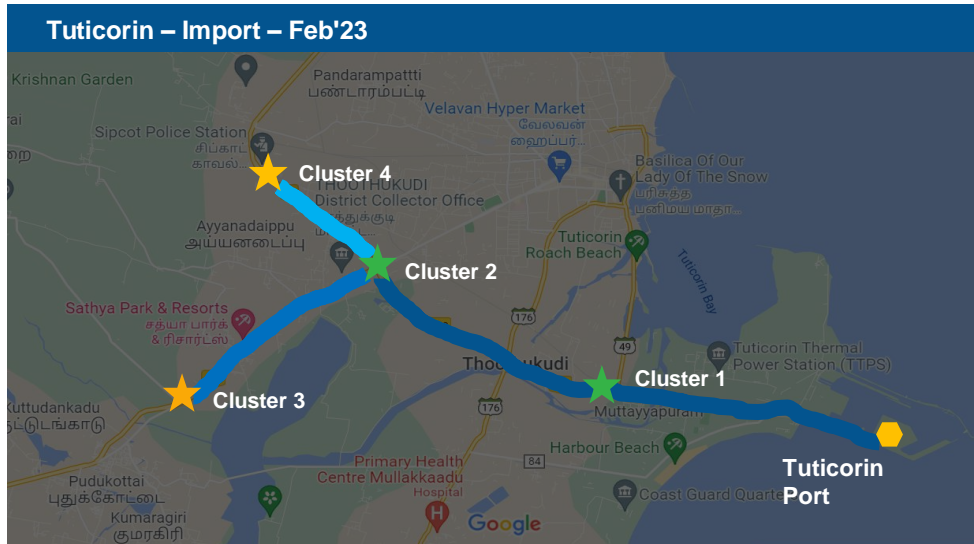
Clusters with bottleneck

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

Tuticorin – Export – Feb'23

Clusters with bottleneck

Cluster 1	Near by VOC road

Clusters without bottleneck

Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

Legends — High Congestion — Medium Congestion — Low Congestion ★ Cluster with bottleneck ★ Cluster without bottleneck
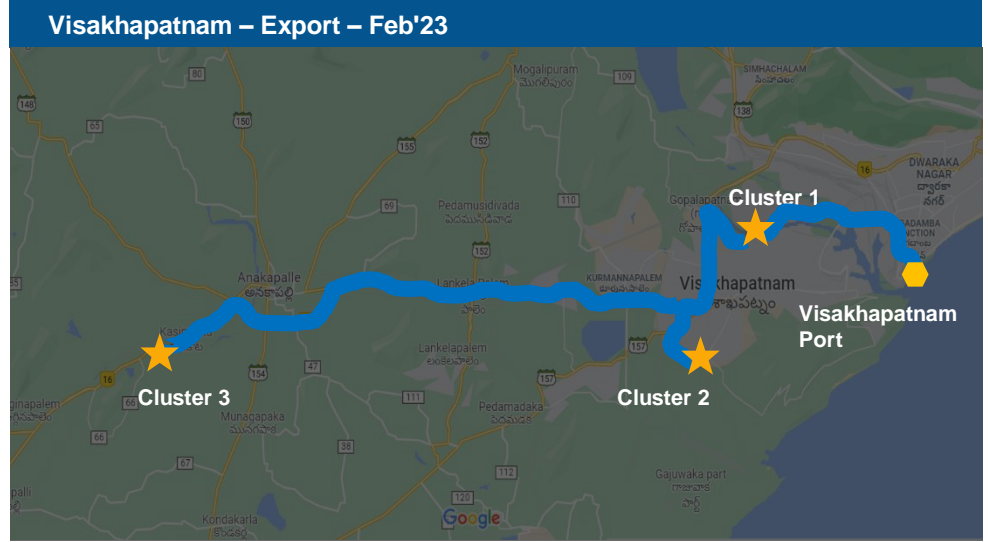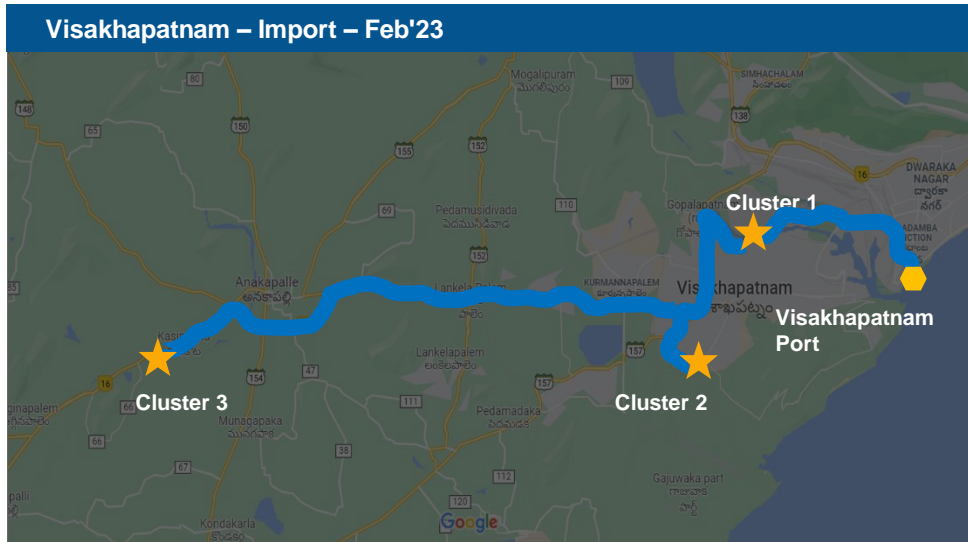
Kolkata Region: Congestion Analysis

Kolkata – Import – Feb'23
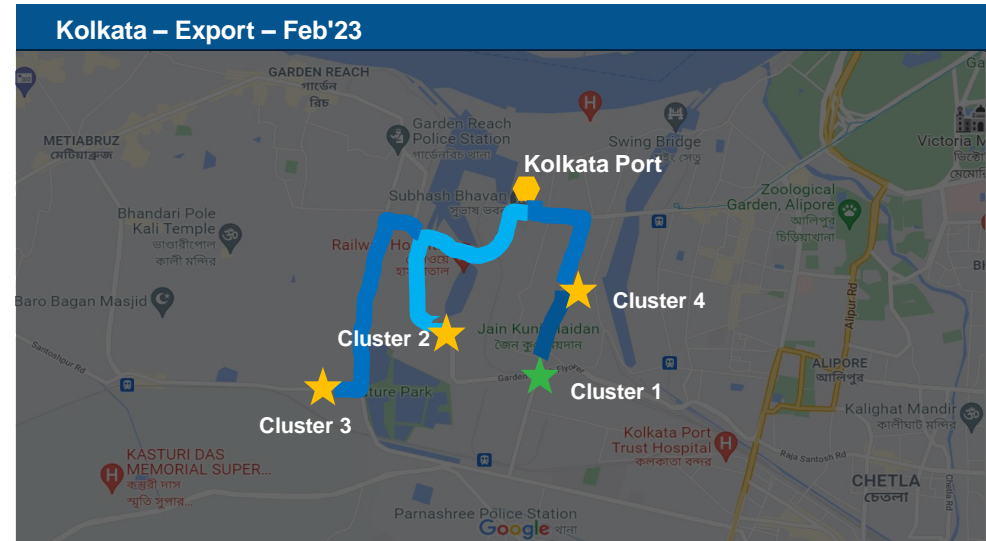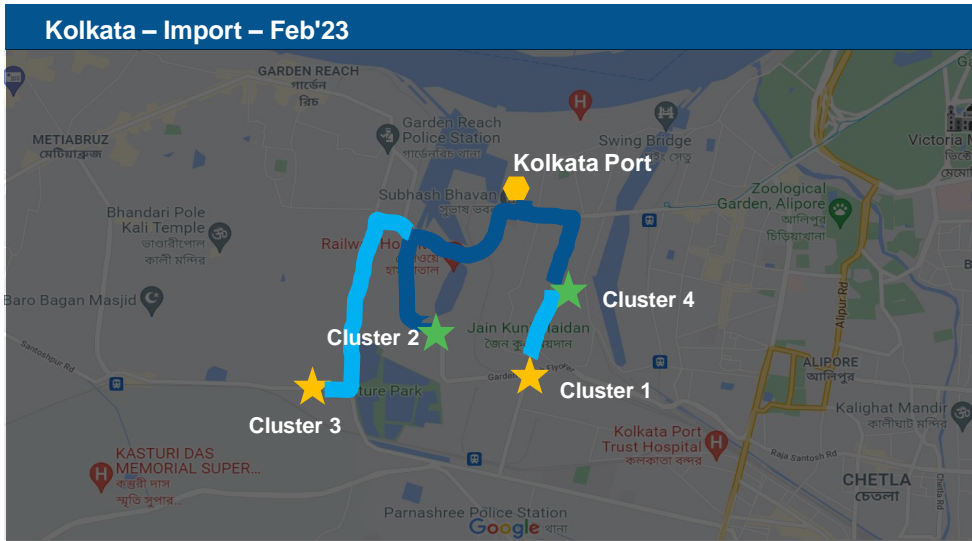
Clusters with bottleneck

Cluster 2	Sonapur road area
Cluster 4	Babu bazar area

Clusters without bottleneck

Cluster 1	Base bridge area
Cluster 3	Nature park area

Kolkata – Export – Feb'23

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

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

Haldia Region: Congestion Analysis

Haldia – Import – Feb'23

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 – Feb'23

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 – Feb'23

Clusters with bottleneck

Clusters without bottleneck

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

Visakhapatnam – Export – Feb'23

Clusters with bottleneck

Clusters without bottleneck

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

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

Container Movement across India

Transit movement across ICPs

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

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	90.5 hrs
Road	130.5 hrs
Rail	79.6 hrs

Import Cycle

Haldia Port Terminal

Mode	ICP Raxaul
Overall	-

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	432.5 hrs
Road	262.5 hrs
Rail	434.7 hrs

Export Cycle

Haldia Port Terminal

Mode	ICP Raxaul
Overall	401.3 hrs

Export cycle

Import cycle

Kolkata Region

Haldia Region
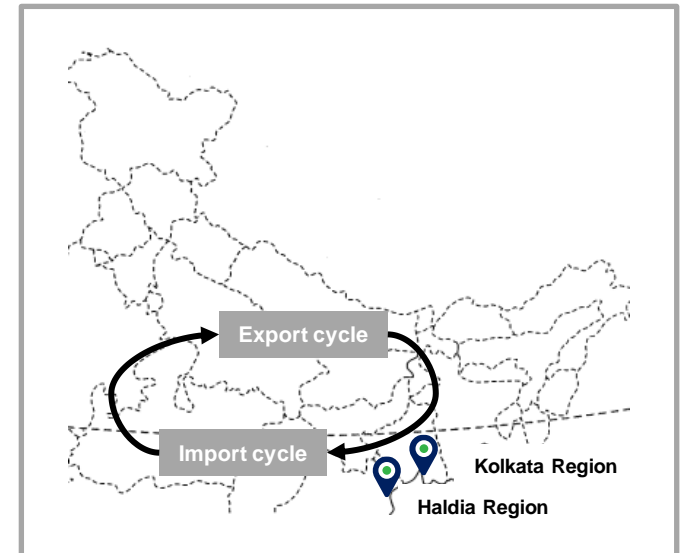
Evacuation Efficiency Analysis

Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza

Mundra		**JNPA**				**PORT**
28 Km	**22.5 Km/hr**	**60 Km**	**21.3 Km/hr**	**14.8 Km/hr**	**94 Km**	
	Mokha		Khalapur	Khaniwade		Toll Plaza
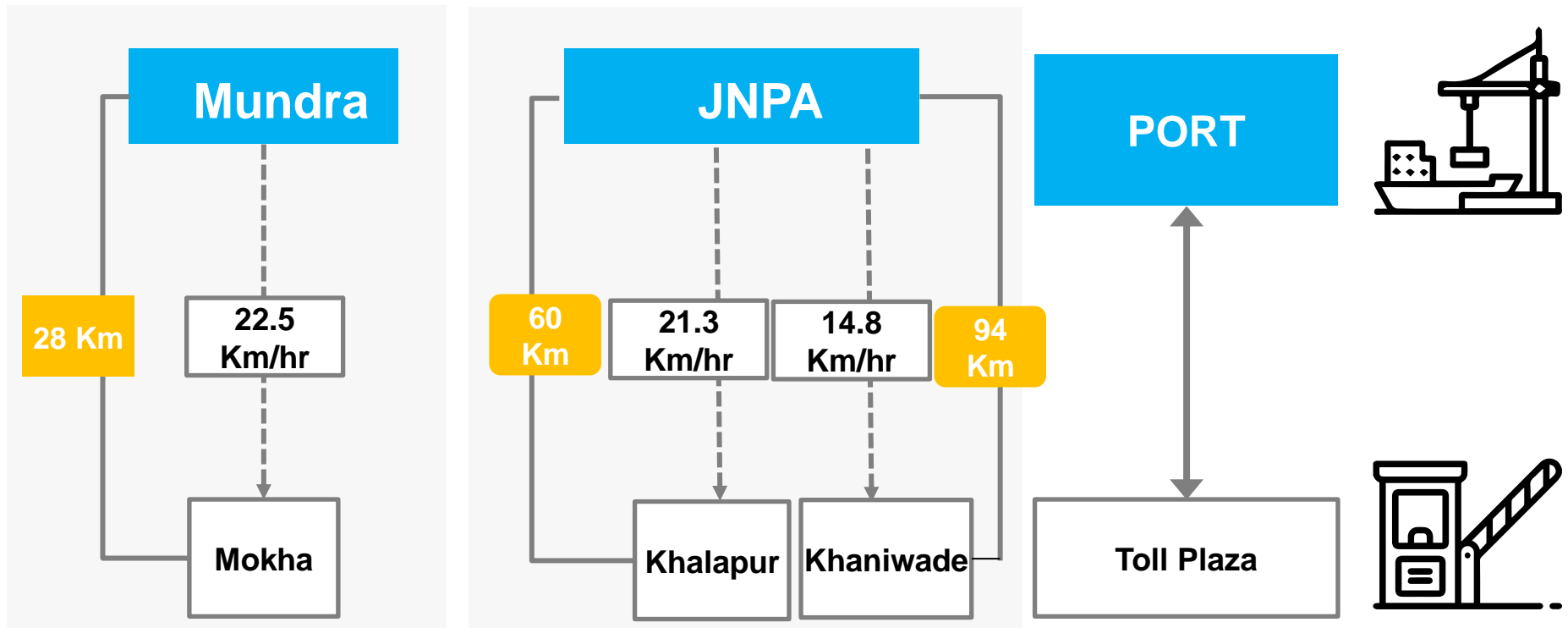
Evacuation Efficiency Analysis: Other Major Ports

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)		
				Dec'22	Jan'23	Feb'23
Western	Hazira	Boriach	77	6.2	4.7	7.4
Eastern	KOPT(Kolkata)	Dankuni	24	3.2	3.0	2.7
	HICT(Haldia)	Debra	100	11.0	10.4	9.4
		Jaladhulagori	101	7.7	6.9	6.4
Southern	Chennai	Surapattu	18	-	-	-
		Nallur	23	2.0	2.2	2.2
	Kochi	Kumbalam	13	0.7	0.7	0.7
		GIPL Palayekara	71	7.9	8.7	9.1
	NMPT (New Manglore)	Brahamarakotlu	25	6.4	7.0	3.5
		Talapady	22.5	3.2	1.7	1.7
		Gundmi	68	3.5	4.9	4.1
	Kattupalli	Surapattu	36	-	-	-
		Nallur	33	6.0	7.2	5.0
	Ennore	Surapattu	35	-	-	-
	Tuticron	VoCPT CheckPost1	4.3	18.0	19.9	20.1

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)	Jan'23 (in km/hrs)	Feb'23 (in km/hrs)
JNPA	Khaniwade	94	15.6	14.8
JNPA	Khalapur	60	20.0	21.3
Khaniwade	Charoti	50	37.1	38.1
Charoti	Boriach	126	26.7	24.8
Boriach	Bharthan	142	32.7	32.6
Bharthan	Vasad	60	37.4	37.3
Khalalpur	Khedshivpur	105	33.7	34.5
Mundra	Mokha	28	23.3	22.5
Mokha	Makhel	150	29.0	27.7
Mokha	Surajbari	115	27.6	27.9
Makhel	Bhalgam	108	33.5	33.3

(Rows 1–7 grouped under **JNPA**; rows 8–11 grouped under **MUNDRA**)

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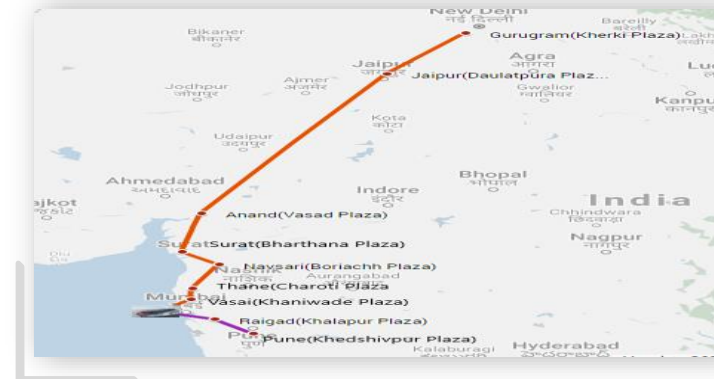
Toll Plaza – Mundra Port
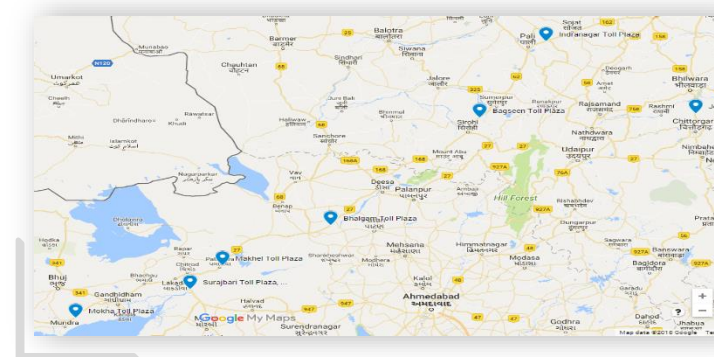
Annexure – Name of the Ports

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 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)

Annexure – CFS – Pan India

List of CFS name used in CFS Performance Index

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

Annexure – Western Region

List of CFS name used in CFS Performance Index

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

List of ICD name used in ICD Performance Index

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

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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

THANK YOU