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ANNUAL ANALYTICS REPORT 2023

NATIONAL LOGISTICS POLICY

LAUNCHED BY **HON'BLE PRIME MINISTER SHRI NARENDRA MODI** ON 17th SEPTEMBER 2022

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NLDS team members

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Abhishek Sttharma Akbar Ansari Kusum Lata Deepak Yadav Roshni Rastogi Amit Kumar Atul Sharma Manya Sharma Rishabh Sharma Deepu Karn

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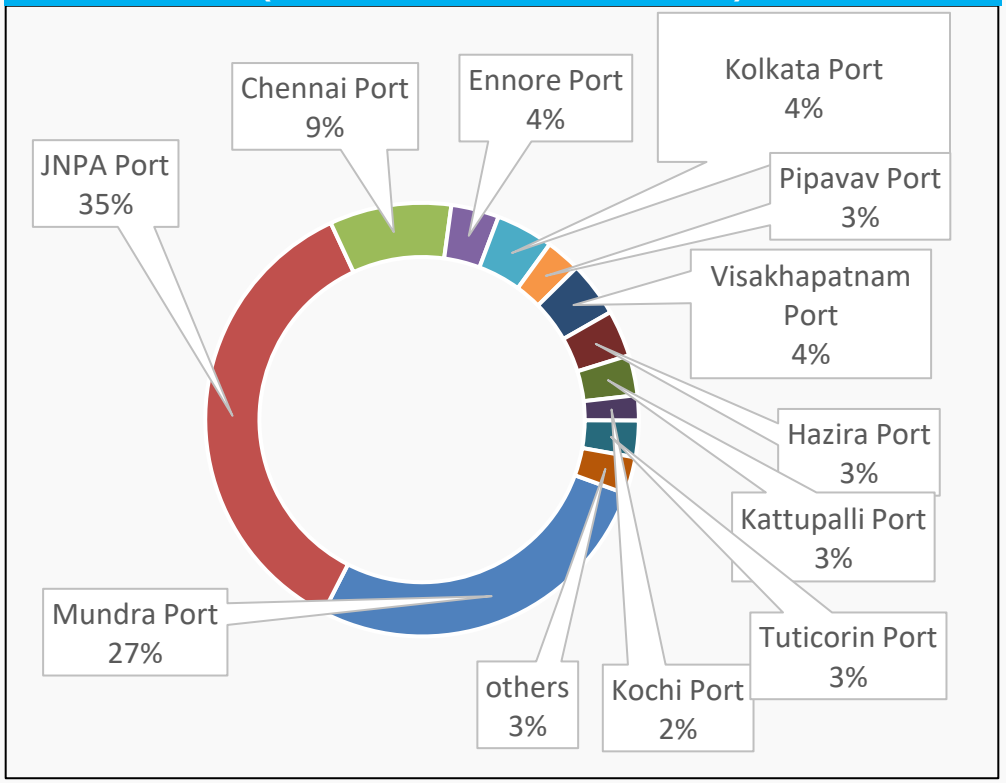
01
PAN INDIA PERFORMANCE

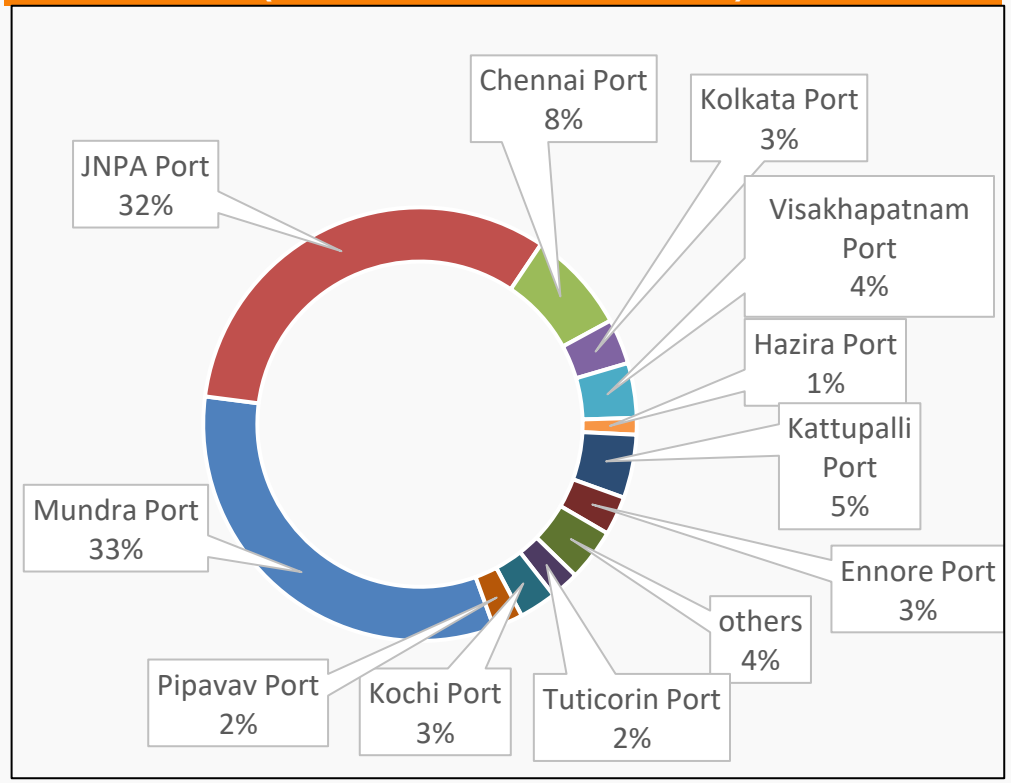
PAN India EXIM Trade Distribution

The EXIM trade distribution in India is concentrated at two major ports i.e. JNPA & Mundra port, jointly consisting of approx. 2/3rd of the overall container number of boxes of India.

Import Container Distribution
(container count in % for CY'23)



Export Container Distribution
(container count in % for CY'23)



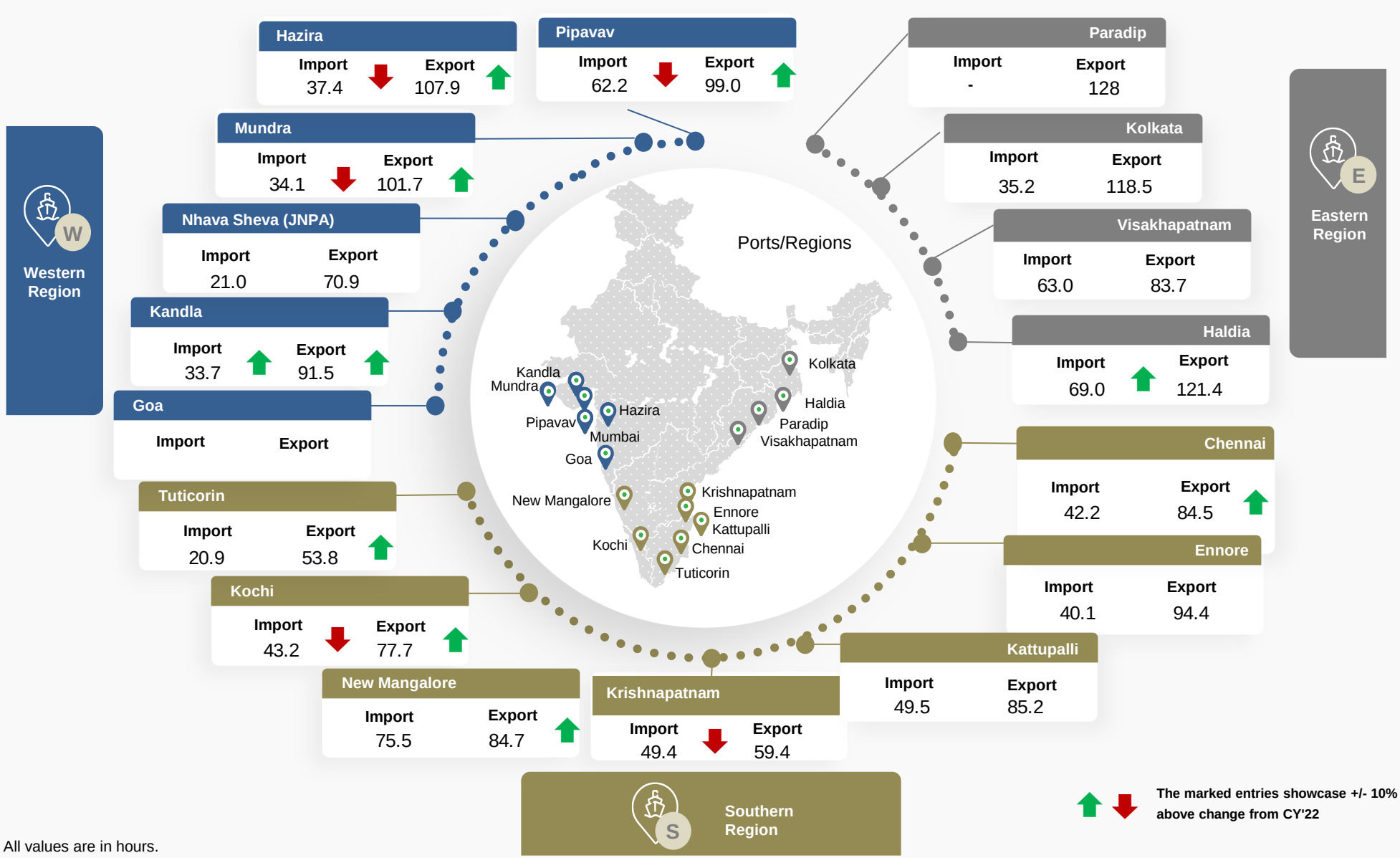
*Other ports consist of Kandla, Goa, Paradip, Haldia, New Mangalore and Krishnapatnam Port.

Key Highlights for CY 23

The following are the key observations for the Calendar Year 23 as compared to previous year (CY 23)

Pan India	• Container volume (no. of boxes) has **increased by 5.4%** in export cycle • Top Performing Terminal of CY'23 is **Gateway Terminals India (JNPA Port)**
Western Region	• Export cycle Dwell time **decrease in Mundra port by 16.5% & in Hazira Port 10.4%** • Import cycle dwell time has **increased** in **Mundra port by 32.7% & in Hazira port by 39.6%** • JNPA port has **experienced congestion around** its CFS(s) areas in export cycle, the transit time has increased **by 31.7%** • Transit movement from **Mundra port to ICD(s)** has **improved, 10.4% decrease** in travel time
Southern Region	• Import cycle dwell time has been **increased by 35%** in krishnapatnam port • Chennai port has **experienced congestion around** its CFS(s) areas in export cycle, the transit time has increased **by 10.8%**
Eastern Region	• Haldia port import Dwell time **decreased by 18.5%**

Port Dwell Time Performance (CY'23): PAN India



All values are in hours.

Note: Goa Port has zero number of boxes, Paradip Port has zero import number of boxes.

Region-wise Dwell Time Performance Summary

Western Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
CY'22	25.0	90.8
CY'23	26.3	85.1
CY'21	23.6	97.0
CY'20	28.0	94.4
OADT	24.3	85.3

Southern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
CY'22	38.5	61.4
CY'23	40.8	79.4
CY'21	86.7	82.5
CY'20	46.5	92.1
OADT	49.2	74.8

Eastern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
CY'22	47.3	101.3
CY'23	48.7	96.7
CY'21	47.5	117.8
CY'20	49.7	113.5
OADT	45.5	96.7

OADT – Overall Avg Dwell Time: Overall average since inception

Port Dwell Time (Import Cycle)

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	CY'21 (in hrs)	CY'20 (in hrs)	OADT (in hrs)
Western Region	**25.0**	**26.3**	**23.6**	**28.0**	**24.3**
JNPA	21.8	21.0	21.0	23.4	20.9
Mundra	25.7	34.1	25.5	30.3	26.8
Pipavav	43.5	62.2	62.4	-	56.0
Kandla	52.2	33.7	49.4	50.8	45.6
Hazira	26.8	37.4	29.5	45.1	34.1
Southern Region	**38.5**	**40.8**	**86.7**	**46.5**	**49.2**
Chennai	40.9	42.2	50.9	46.7	42.3
Kochi	37.8	43.2	40.2	54.0	46.3
Kattupalli	50.3	49.5	63.9	66.0	53.5
Tuticorin	21.2	20.9	22.1	21.0	20.5
Krishnapatnam	36.6	49.4	53.5	91.7	62.8
Ennore	41.0	40.1	86.7	51.1	54.7
New Mangalore	83.4	75.5	89.8	108.5	88.3
Eastern Region	**47.3**	**48.7**	**47.5**	**49.7**	**45.5**
Vizag	66.0	63.0	55.9	52.8	55.3
Kolkata	34.3	35.2	32.2	37.3	33.2
Haldia	84.7	69.0	90.7	113.4	87.7

OADT – Overall Avg Dwell Time: Overall average since inception

Port Dwell Time (Export Cycle)

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	CY'21 (in hrs)	CY'20 (in hrs)	OADT (in hrs)
Western Region	**90.8**	**85.1**	**97.0**	**94.4**	**85.3**
JNPA	74.5	70.9	77.2	71.8	69.1
Mundra	121.8	101.7	126.8	119.6	108.6
Pipavav	124.2	99.0	156.6	-	126.6
Kandla	115.3	91.5	119.0	-	108.6
Hazira	120.4	107.9	125.2	119.4	110.7
Southern Region	**61.4**	**79.4**	**82.5**	**92.1**	**74.8**
Chennai	94.9	84.5	91.2	94.9	85.1
Kochi	91.0	77.7	96.6	93.0	83.7
Kattupalli	89.5	85.2	98.6	109.0	76.5
Tuticorin	65.9	53.8	62.3	78.6	62.6
Krishnapatnam	61.8	59.4	72.1	73.6	63.2
Ennore	103.0	94.4	82.5	-	70.1
New Mangalore	95.2	84.7	128.3	132.6	105.2
Eastern Region	**101.3**	**96.7**	**117.8**	**113.5**	**96.7**
Vizag	87.7	83.7	102.8	105.1	85.6
Kolkata	114.0	118.5	133.2	120.5	109.5
Haldia	124.4	121.4	130.9	121.0	110.1

OADT – Overall Avg Dwell Time: Overall average since inception

CFS and ICD Dwell Time (Import Cycle)

		CY'22 (in hrs)	CY'23 (in hrs)	CY'21 (in hrs)	OADT (in hrs)
CFS	**Western Region**	**87.9**	**91.0**	**91.1**	**90.0**
	JNPA	81.9	84.9	85.0	83.9
	Mundra	96.8	97.8	99.7	98.1
	Pipavav	89.2	83.8	-	85.0
	Hazira	101.1	103.8	107.5	104.8
	Southern Region	**113.9**	**107.3**	**116.2**	**112.3**
	Chennai, Ennore, Kattupalli	107.7	100.0	107.9	105.0
	Kochi	121.3	120.6	121.2	121.0
	Tuticorin	138.9	142.6	146.9	143.1
	Krishnapatnam	141.1	128.8	116.1	123.6
	Eastern Region	**134.3**	**141.6**	**128.3**	**135.4**
	Vizag	148.7	162.3	154.1	156.1
	Kolkata	127.9	136.2	122.9	129.2
	Haldia	137.7	126.4	117.2	123.6
ICD	**Western Region**	**135.7**	**132.1**	**132.0**	**133.3**

OADT – Overall Avg Dwell Time: Overall average since inception

CFS and ICD Dwell Time (Export Cycle)

		CY'22 (in hrs)	CY'23 (in hrs)	CY'21 (in hrs)	OADT (in hrs)
CFS	**Western Region**	**77.6**	**66.4**	**83.2**	**77.5**
	JNPA	90.2	74.7	91.8	87.7
	Mundra	57.1	51.6	59.5	56.5
	Pipavav	57.2	73.3	-	68.4
	Hazira	58.9	71.7	87.6	79.9
	Southern Region	**51.4**	**47.1**	**73.7**	**59.4**
	Chennai, Ennore, Kattupalli	58.1	52.8	80.2	67.5
	Kochi	32.0	38.4	48.2	38.6
	Tuticorin	28.2	25.4	34.9	30.0
	Krishnapatnam	91.5	85.4	99.0	95.2
	Eastern Region	**106.9**	**118.8**	**118.1**	**114.1**
	Vizag	117.6	121.9	122.7	120.7
	Kolkata	99.7	111.1	111.0	105.5
	Haldia	100.3	104.4	124.7	116.8

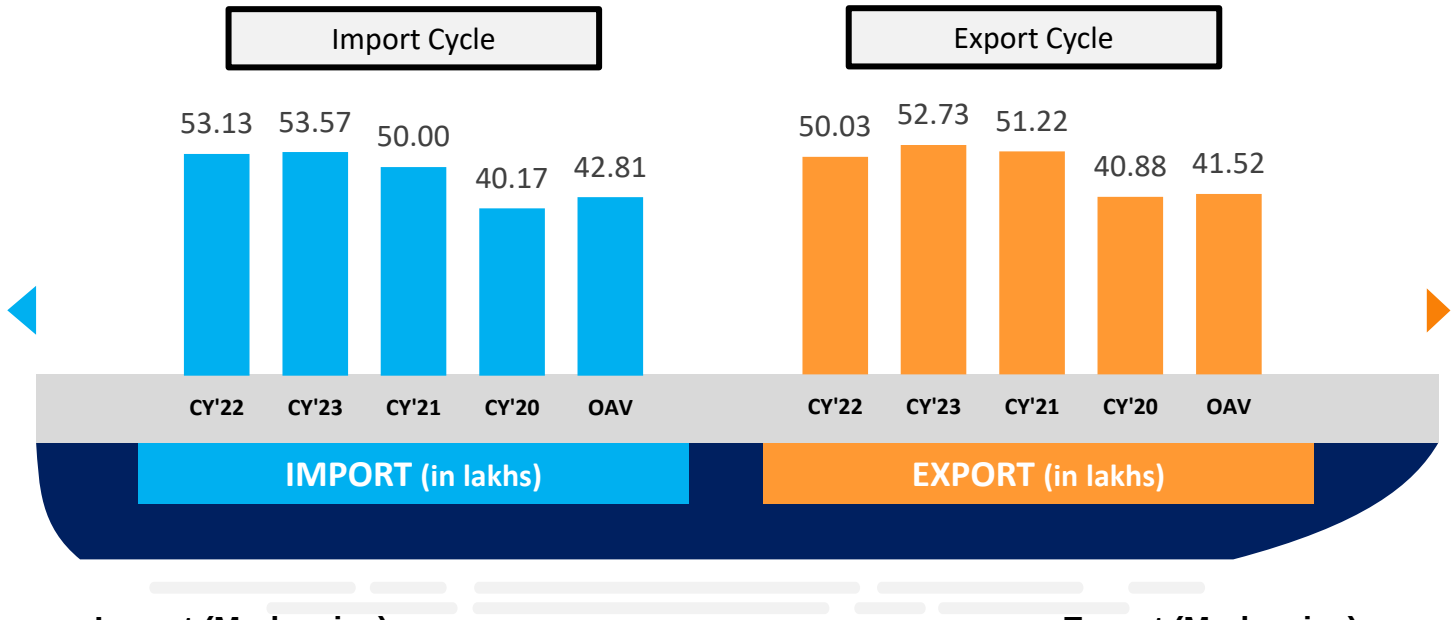
ICD	**Western Region**	**92.6**	**104.1**	**105.2**	**100.6**

OADT – Overall Avg Dwell Time: Overall average since inception till date

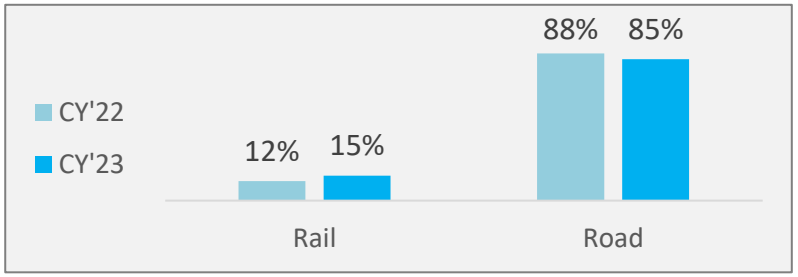
Container Count: PAN India

Container count analysis showcase the number of boxes over the time period for all the ports.

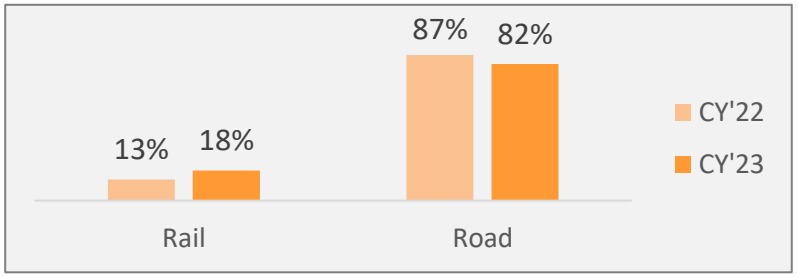
PAN India



Import (Mode-wise)



Export (Mode-wise)



OAV – Averages of Past five year's

Port Performance Benchmarking: PAN India

The component benchmarks the port terminals by examining dwell time taken by each terminal to crater a given number of container boxes. The values are standardized for comparison

Performance Index – CY'23

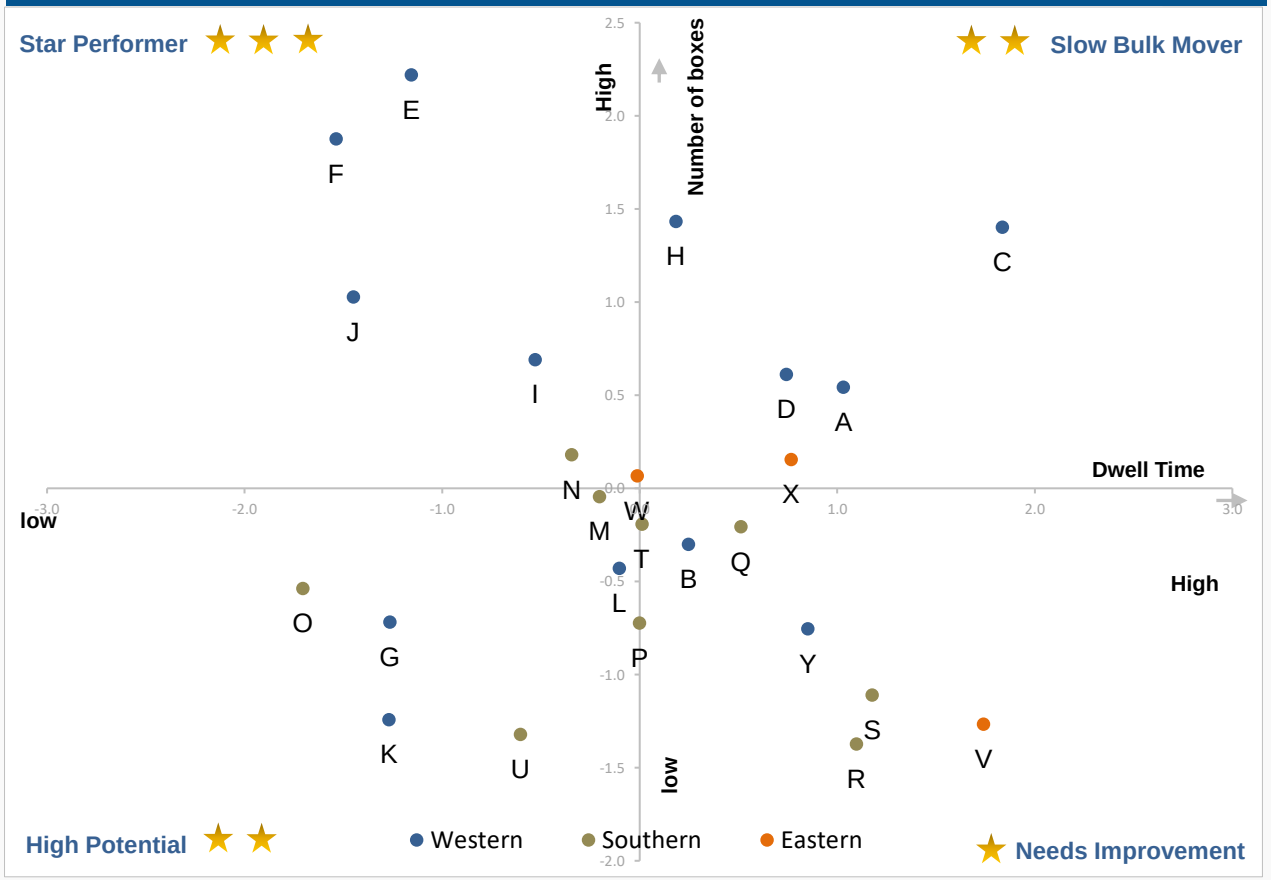


Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminal(PSA)
F	Gateway Terminals India (GTI)
G	Nhava Sheva Freeport Terminal (NSFT)
H	Mundra International Container Terminal (MICT)
I	Nhava Sheva India Gateway Terminal (NSIGT)
J	Nhava Sheva International Container Terminal (NSICT)
K	Kandla International Container Terminal (KICT)
L	Adani Mundra Container Terminal-2 (AMCT-2)
M	Chennai Container Terminal Pvt. Ltd. (CCTL)
N	Chennai International Terminals Pvt Ltd (CITPL)
O	Dakshin Bharat Gateway Terminal (DBGT)
P	International Container Transhipment Terminal, Kochi
Q	Adani Kattupalli Port Private Limited (AKPPL)
R	PSA SICAL Terminals
S	Mangalore Container Terminal Private Limited (MCTPL)
T	Adani Ennore Container Terminal
U	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)
V	Haldia International Container Terminal (HICT)
W	Kolkata Dock System (KDS) , Kolkata Port
X	Visakha Container Terminal
Y	APM Terminals, Pipavav

X-axis
Dwell Time

Y-axis
Number of boxes

Star Performer ★★★
Consist of entities which have catered relatively high container number of boxes in lower dwell time

High Potential ★★
Consist of entities which have catered relatively lower container number of boxes in lower dwell time

Slow Bulk Movers ★★
Consist of entities which have catered higher container number of boxes in higher dwell time

Needs Improvement ★
Consist of entities which have catered relatively lower container number of boxes at higher dwell time

Port Individual Performance Comparison (Previous year): PAN India

The component highlights & compare the change in performance of various terminals by examining dwell time taken by each terminal to crater a given number of container boxes in the present year as compared to the previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.

Performance Index – CY'23

Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
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W	Kolkata Dock System (KDS) , Kolkata Port
X	Visakha Container Terminal

X-axis
Change in Dwell time in CY'23 w.r.t. previous year(CY'22)

Y-axis
Change in no. of boxes in CY'23 w.r.t. previous year(CY'22)

Star Performer ★★★
Consist of entities which have catered relatively high container no. of boxes in lower dwell time

High Potential ★★
Consist of entities which have catered relatively lower container no. of boxes in lower dwell time

Slow Bulk Movers ★★
Consist of entities which have catered higher container no. of boxes in higher dwell time

Needs Improvement ★
Consist of entities which have catered relatively lower container no. of boxes at higher dwell time

Port Performance Benchmarking (Based on Capacity & Dwell time): PAN India

The component benchmarks the port terminals by examining dwell time taken by each terminal with respect to their capacity to handle volume (TEU). The values are standardized for comparison.

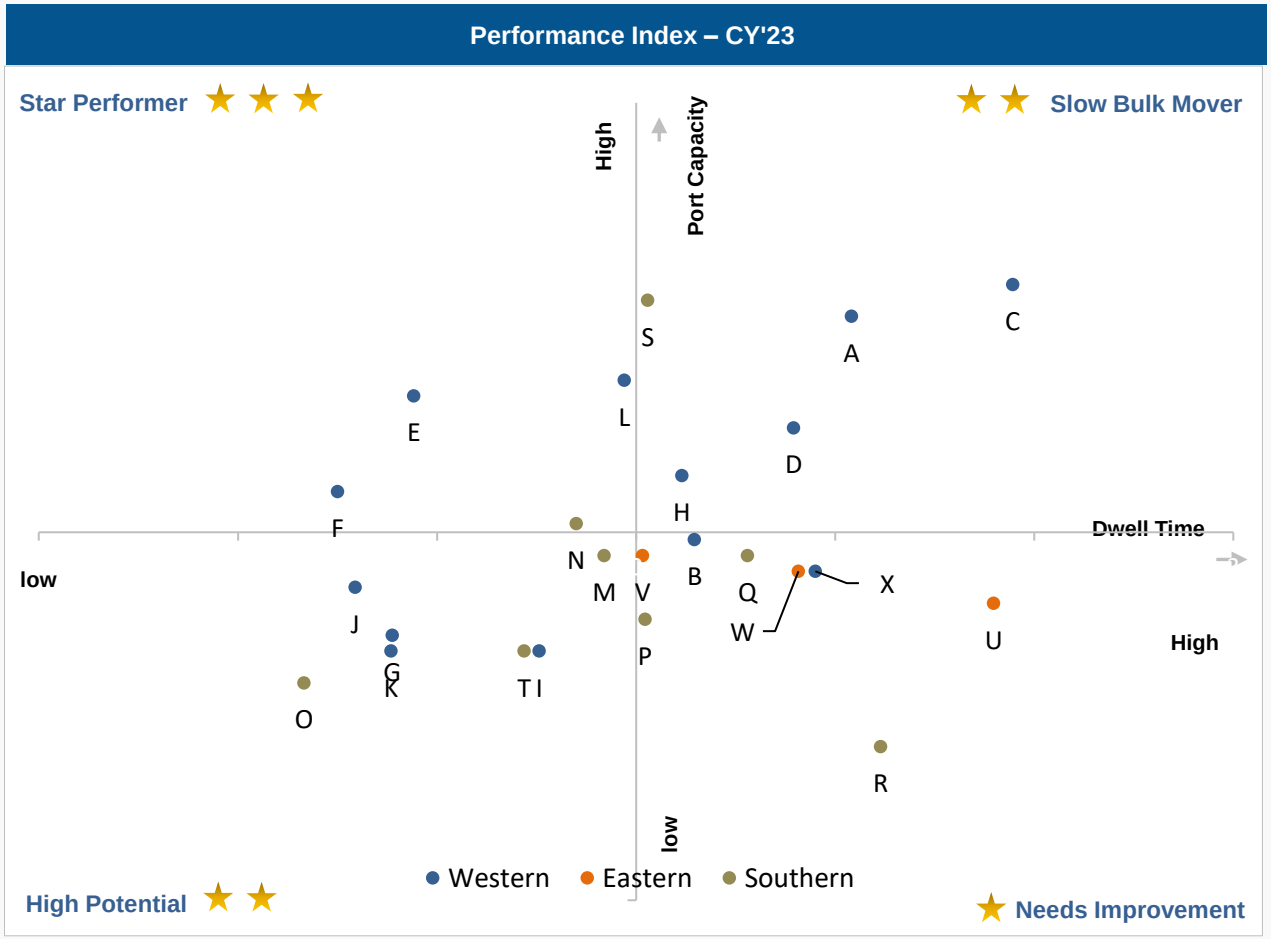

Abb.	Name of Terminal
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R	NMPT, New Mangalore
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T	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)
U	Haldia International Container Terminal (HICT)
V	Kolkata Dock System (KDS) , Kolkata Port
W	Visakha Container Terminal
X	APM Terminals, Pipavav

X-axis
Relative Port Dwell time

Y-axis
Relative Port TEU capacity

Star Performer ★★★
Consist of entities which have relatively high capacity & had lower dwell time for cratering containers

High Potential ★★
Consist of entities which have relatively lower capacity & had lower dwell time for cratering containers

Slow Bulk Movers ★★
Consist of entities which have relatively high capacity & had High dwell time for cratering containers

Needs Improvement ★
Consist of entities which have relatively low capacity & had high dwell time for cratering containers

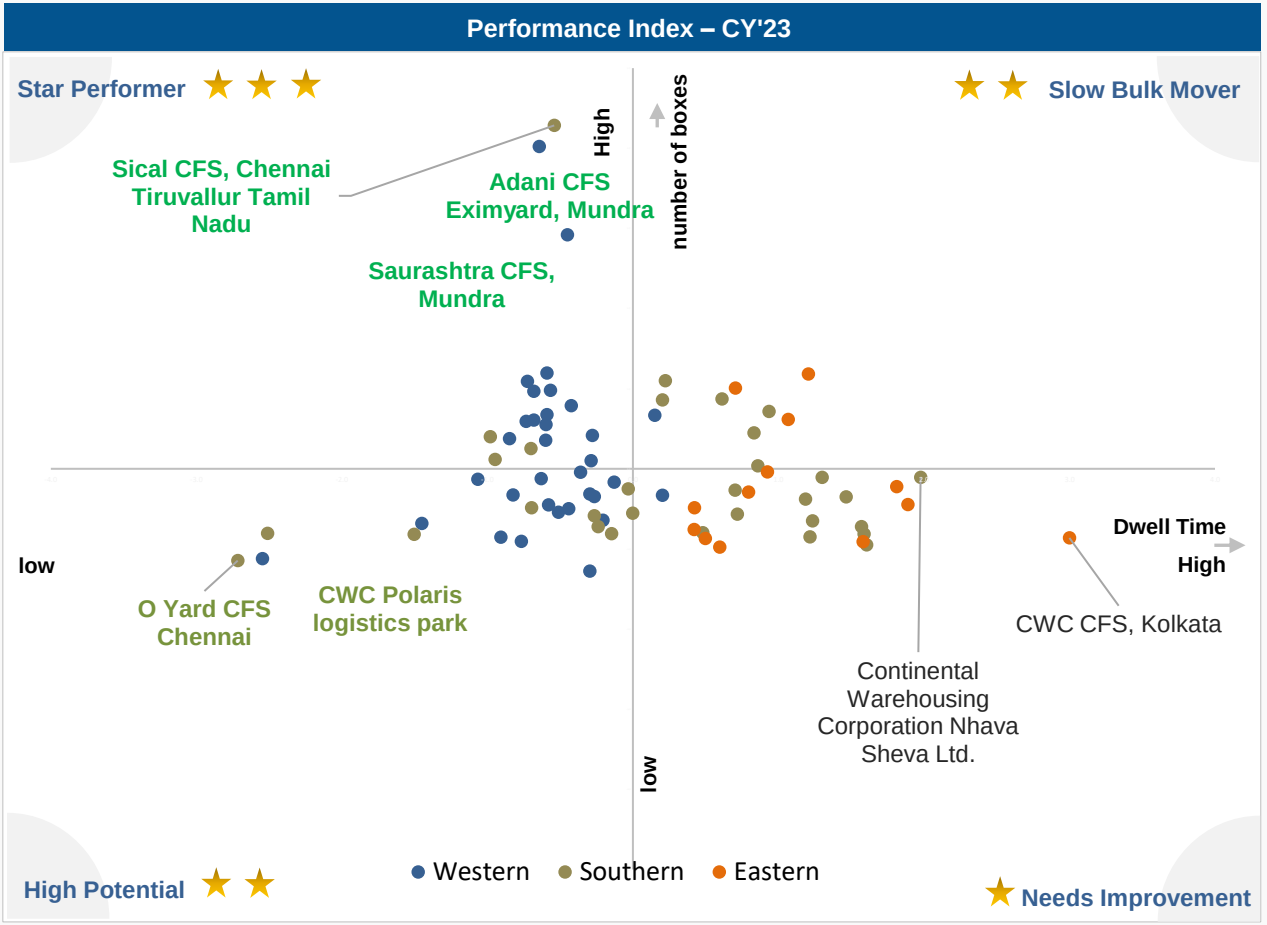
CFS Performance Benchmarking: PAN India

Top Performing CFS

- Adani CFS Eximyard, Mundra
- Saurashtra CFS, Mundra
- Sical CFS, Chennai Tiruvallur, TN

High Potential CFS

- CWC Polaris logistics park
- O Yard CFS Chennai



Low Performing CFS

- Continental Warehousing Corporation Nhava Sheva Ltd.
- CWC CFS, Kolkata

Star Performer ★★★
Consist of entities which have catered relatively high container number of boxes in lower dwell time

High Potential ★★
Consist of entities which have catered relatively lower container number of boxes in lower dwell time

Slow Bulk Movers ★★
Consist of entities which have catered higher container number of boxes in higher dwell time

Needs Improvement ★
Consist of entities which have catered relatively lower container number of boxes at higher dwell time

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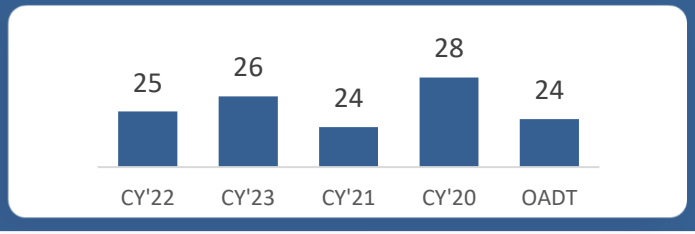
02
WESTERN REGION PERFORMANCE

Dwell Time Performance: Western Region

Western Region

IMPORT



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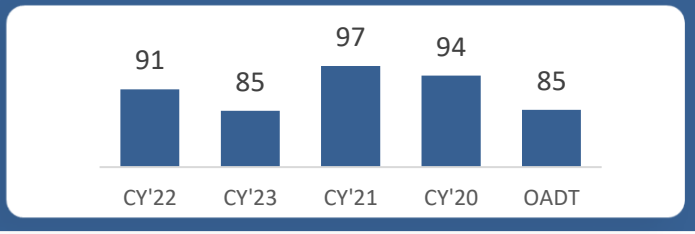
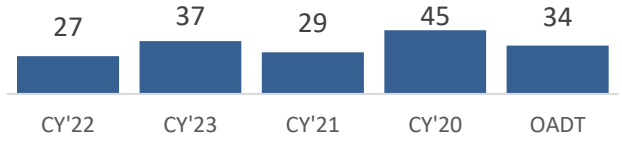
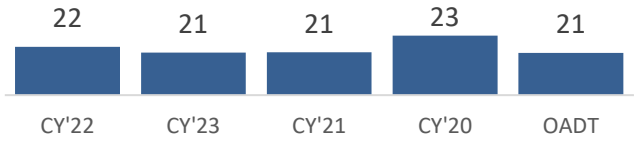


IMPORT

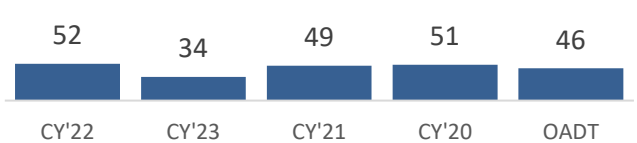
Hazira



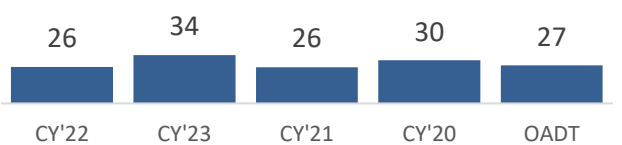
JNPA



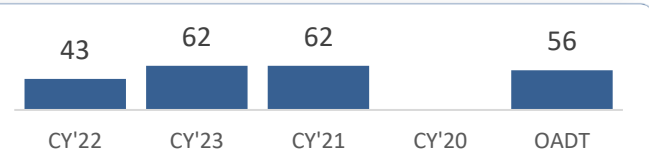
Kandla



Mundra

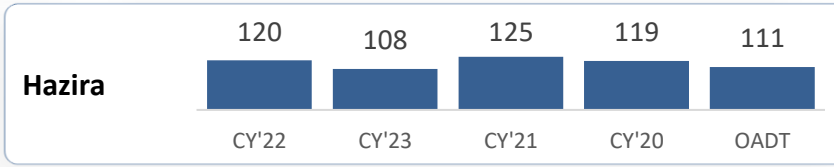


Pipavav

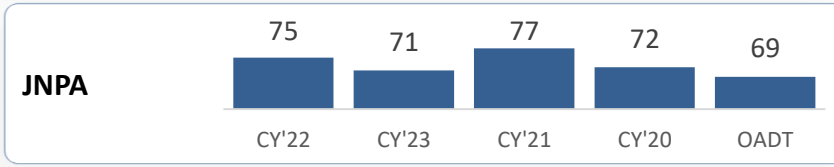


EXPORT

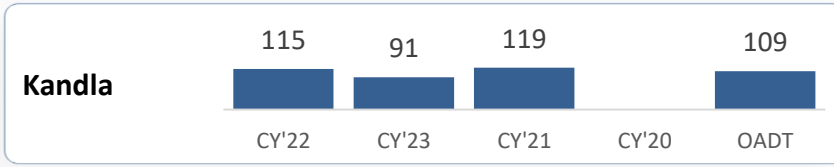
Hazira



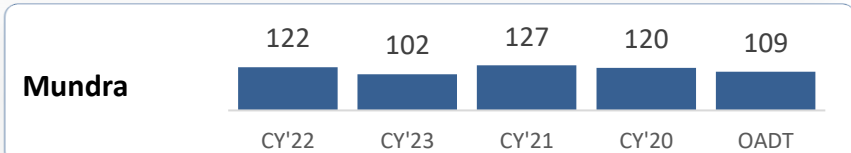
JNPA



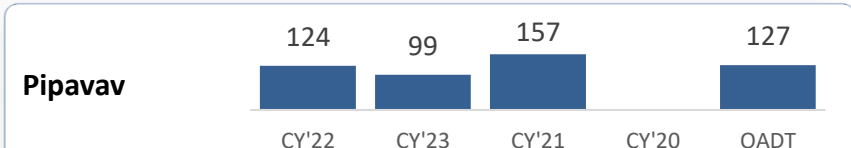
Kandla



Mundra



Pipavav

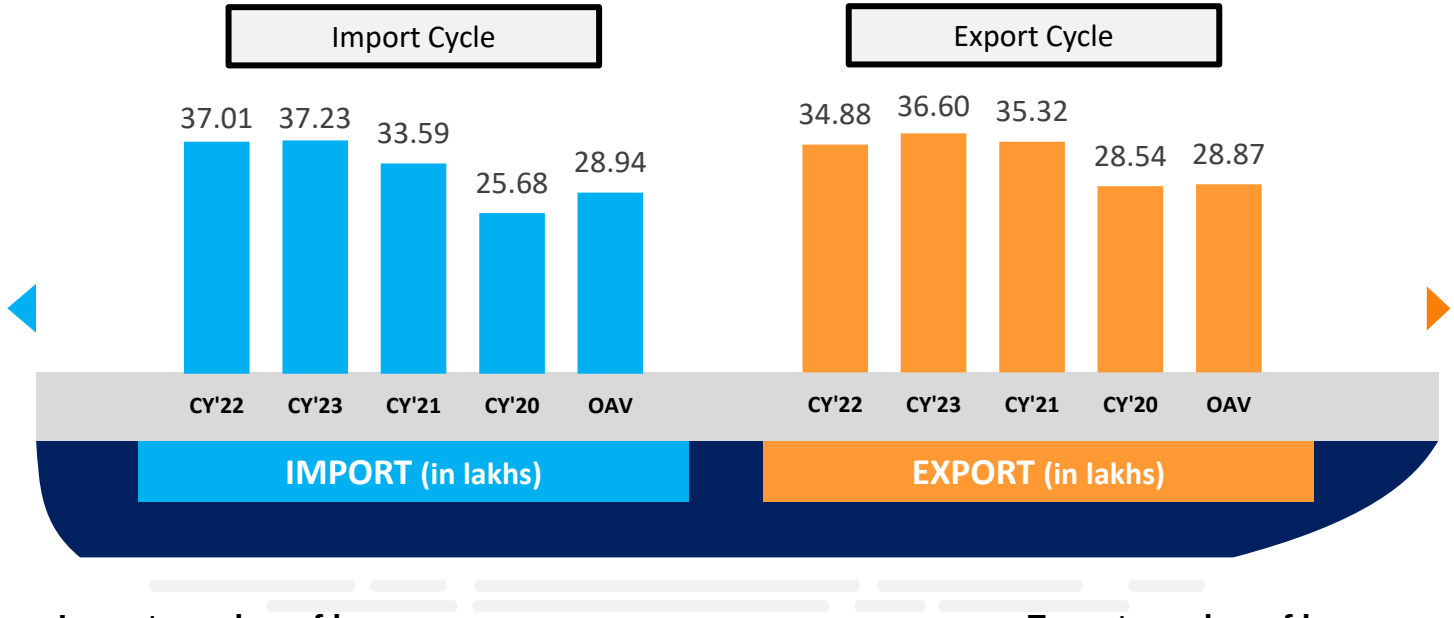


OADT – Overall Avg Dwell Time: Overall average since start

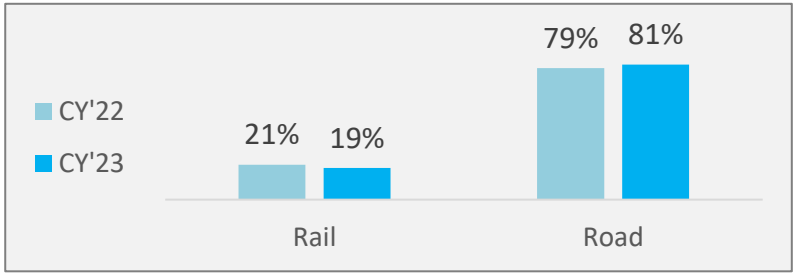
Container Count: Western Region

Container count analysis showcase the number of boxes over the time period for all the ports.

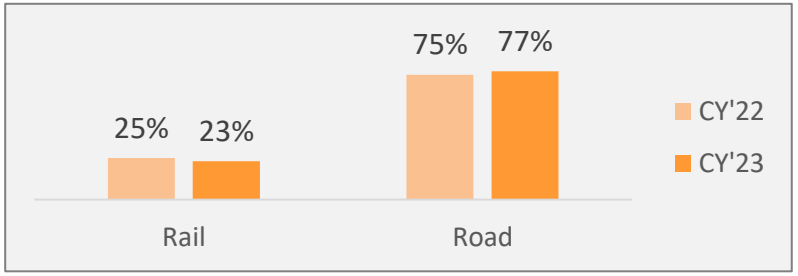
Western Region



Import number of boxes



Export number of boxes



OAV – Averages of Past five year's

Container Transportation: Western Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	67.2	65.6	↑
Truck	20.3	21.7	↓
Overall	**25.0**	**26.3**	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	87.9	91.0	↓
ICD	135.7	132.1	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	129.0	109.9	↑
Truck	84.3	80.8	↑
Overall	**90.8**	**85.1**	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	77.6	66.4	↑
ICD	92.6	104.1	↓

Container Lifecycle (Export Cycle)

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

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

Port Performance Benchmarking: Western Region

The component benchmarks the port terminals by examining dwell time taken by each terminal to crater a given number of container boxes. The values are standardized for comparison

Performance Index – CY'23

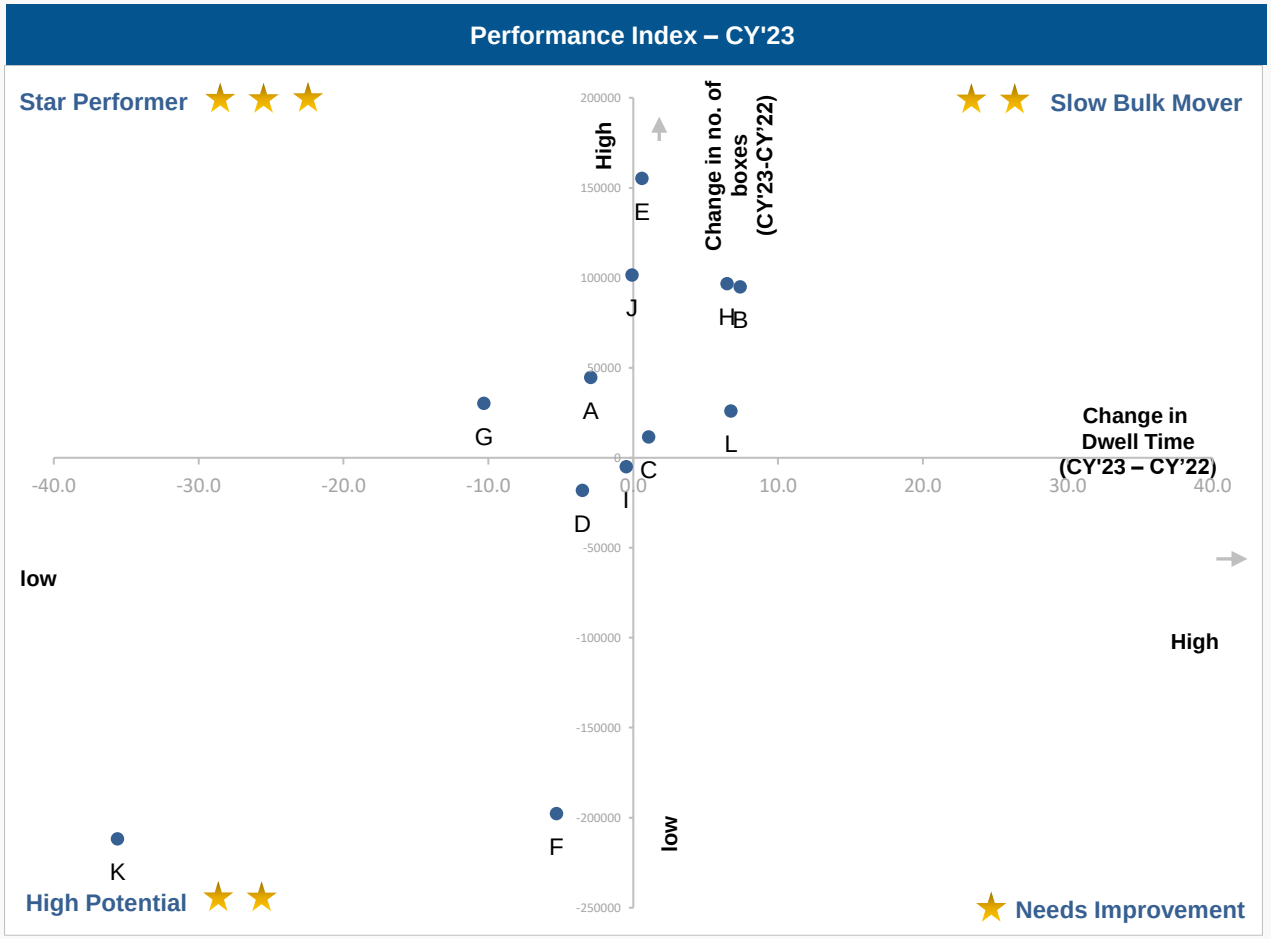
X-axis
Dwell Time

Y-axis
Number of boxes

Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminals(PSA)
F	Gateway Terminals India (GTI)
G	Nhava Sheva Freeport Terminal (NSFT)
H	Mundra International Container Terminal (MICT)
I	Nhava Sheva India Gateway Terminal (NSIGT)
J	Nhava Sheva International Container Terminal (NSICT)
K	Kandla International Container Terminal (KICT)
L	Adani Mundra Container Terminal-2 (AMCT-2)
M	APM Terminals, Pipavav

Port Individual Performance Comparison (Previous year): Western Region

The component highlights & compare the change in performance of various terminals by examining dwell time taken by each terminal to crater a given number of container boxes in the present year as compared to the previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.



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L	Adani Mundra Container Terminal-2 (AMCT-2)

X-axis
Change in Dwell time in CY'23 w.r.t. previous year(CY'22)

Y-axis
Change in no. of boxes in CY'23 w.r.t. previous year(CY'22)

Port Performance Benchmarking (Based on Capacity & Dwell time): Western Region

The component benchmarks the port terminals by examining dwell time taken by each terminal with respect to there capacity to handle volume (TEU). The values are standardized for comparison.

X-axis
Relative Port Dwell time

Y-axis
Relative Port TEU capacity

Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminals(PSA)
F	Gateway Terminals India (GTI)
G	Nhava Sheva Freeport Terminal (NSFT)
H	Mundra International Container Terminal (MICT)
I	Nhava Sheva India Gateway Terminal (NSIGT)
J	Nhava Sheva International Container Terminal (NSICT)
K	Kandla International Container Terminal (KICT)
L	Adani Mundra Container Terminal-2 (AMCT-2)
M	APM Terminals, Pipavav

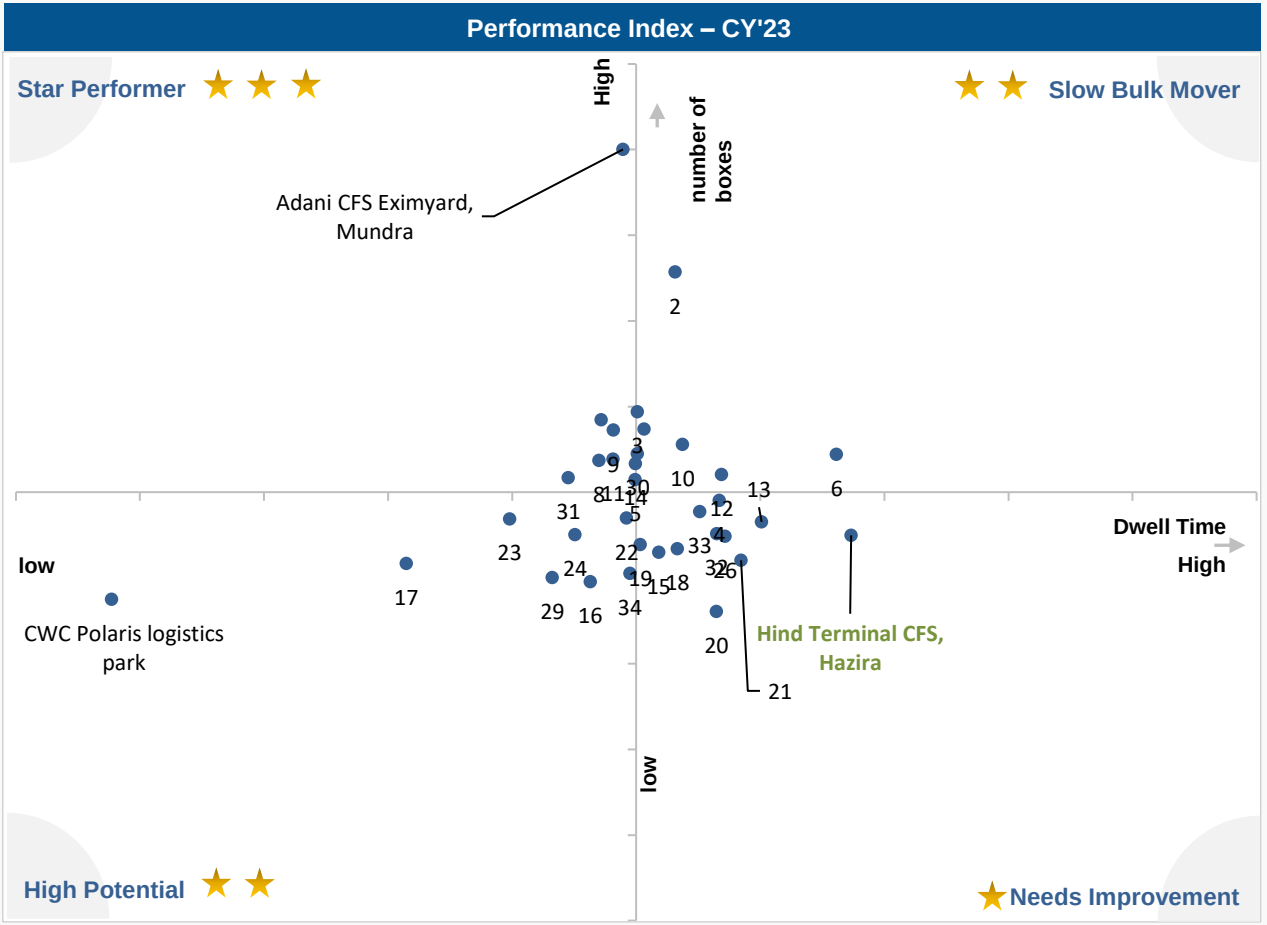
CFS Performance Benchmarking: Western Region

Top Performing CFS

Adani CFS, Eximyard Mundra

High Potential CFS

CWC Polaris Logistics Park



Low Performing CFS

Hind Terminal CFS, Hazira

ICD Performance Benchmarking: Western Region

Top Performing ICD

Continental Warehousing Corporation Nhava Sheva pvt.

High Potential ICD

ICD KIFTPL Kashipur

Low Performing ICD

Pegasus Inland Container Depot

Container Transportation: JNPA Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	60.0	54.8	↑
Truck	18.5	18.0	↑
Overall	**21.8**	**21.0**	↑

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	2.89	2.52	↑
Port to ICD	91.3	97.0	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	81.9	84.9	↓
ICD	135.7	132.1	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	90.2	74.7	↑
ICD	92.6	104.1	↓

Transit Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	3.53	4.65	↓
ICD to Port	94.4	107.6	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	94.1	82.2	↑
Truck	72.2	69.4	↑
Overall	**74.5**	**70.9**	↑

Container Lifecycle (Export Cycle)

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

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

JNPA Region: Parking Plaza Dwell Time Analysis

Parking Plaza Dwell Time & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their number of boxes distribution

Gate In - Gate Out	CY'22 (in hrs)	CY'23 (in hrs)
Parking Plaza Dwell Time	5.57	4.7

Container Count Percentage: Hour-wise (CY'23)

	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
Parking Plaza Dwell Time	13%	29%	37%	18%	2%	1%

Gate Out – Terminal In	CY'22 (in hrs)	CY'23 (in hrs)
Parking Plaza to JNPA Port	1.39	1.91

Port	CY'22 (in hrs)	CY'23 (in hrs)
NSFT	1.1	2.7
NSICT	1.1	2.6
GTI	0.9	0.7
NSIGT	0.9	1.4
BMCT	3.5	5.3

Container Count Percentage: Hour-wise (CY'23)

Parking Plaza to Port	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
NSFT	41%	24%	25%	7%	2%	1%
NSICT	39%	24%	24%	11%	1%	1%
GTI	86%	11%	2%	1%	0%	0%
NSIGT	65%	26%	7%	2%	0%	0%
BMCT	8%	25%	46%	19%	1%	1%

Container Transportation: Mundra Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	83.2	79.8	↑
Truck	17.3	26.2	↓
Overall	**25.7**	**34.1**	↓

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	0.96	0.92	↑
Port to ICD	86.9	77.9	↑

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	96.8	97.8	↓
ICD	135.7	132.1	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	166.7	128.9	↑
Truck	107.4	94.7	↑
Overall	**121.8**	**101.7**	↑

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	0.61	0.79	↓
ICD to Port	79.9	82.2	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	57.1	51.6	↑
ICD	92.6	104.1	↓

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Pipavav Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	43.5	62.2	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	89.2	83.8	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	57.2	73.3	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	124.2	99.0	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Kandla Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	52.2	33.7	↑

Port Dwell Time – Export Cycle

EXPORT	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	115.3	91.5	↑

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

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

Container Lifecycle (Export Cycle)

Container Transportation: Hazira Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	26.8	37.4	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	101.1	103.8	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	58.9	71.7	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	120.4	107.9	↑

Container Lifecycle (Export Cycle)

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

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

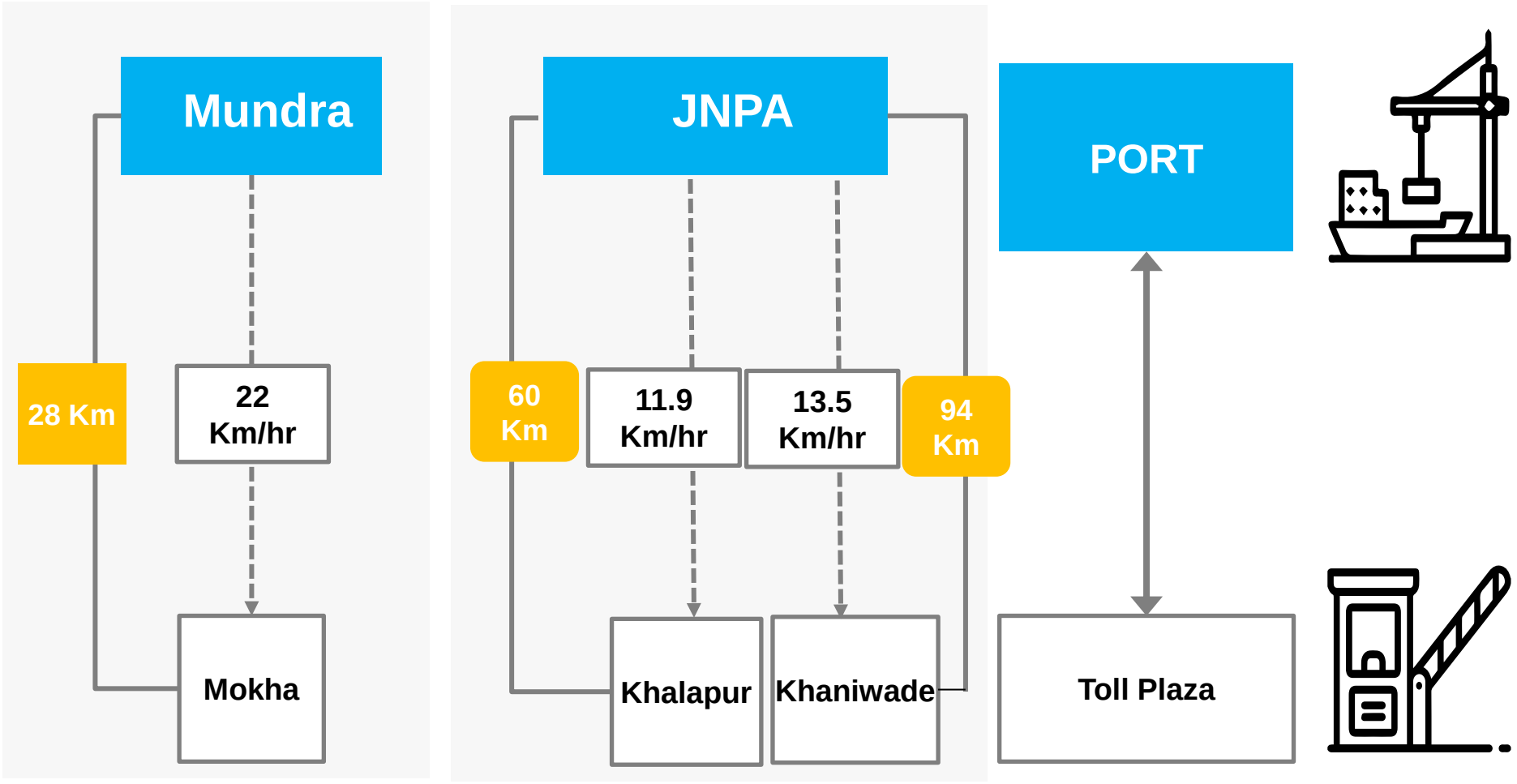
Toll Plaza Analysis: Western Region

The average speed taken by trucks to cover the distance between Port terminal to the nearest Toll Plaza, and from one Toll Plaza to next Toll Plaza:

Route	Source	Destination	Inter Distance (Km)	Speed (in km/hrs.)
JNPA to Vasad (Route 1)	JNPA	Khaniwade –NH8	94	13.5
	Khaniwade – NH8	Charoti – NH8	50	37.2
	Charoti – NH8	Boriach	126	23.8
	Boriach	Bharthan	142	31.3
	Bharthan	Vasad	60	36.6
JNPA to Khedshivpur (Route 2)	JNPA	Khalapur – NH4	60	11.9
	Khalalpur – NH4	Khedshivpur – NH4	105	32.3
Mundra to Bhalgam (Route 1)	Mundra	Mokha – NH8A	28	22
	Mokha – NH8A	Makhel - NH15	150	25.4
	Makhel - NH15	Bhalgam - NH15	108	33.8
Mundra to Surajbari (Route 2)	Mundra	Mokha – NH8A	28	22
	Mokha – NH8A	Surajbari – NH27	115	25.9

Evacuation Efficiency Analysis: Western Region

Average speed taken by trucks to cover the distance between a Port terminal to the nearest Toll Plaza



NLDS
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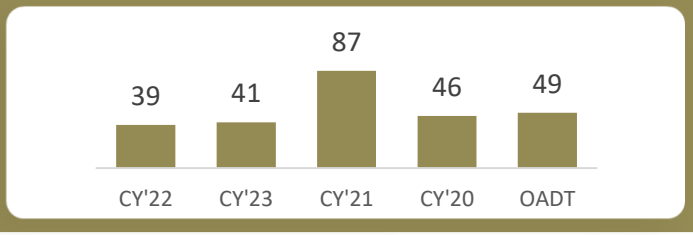
Logistics Redefined

03
SOUTHERN REGION PERFORMANCE

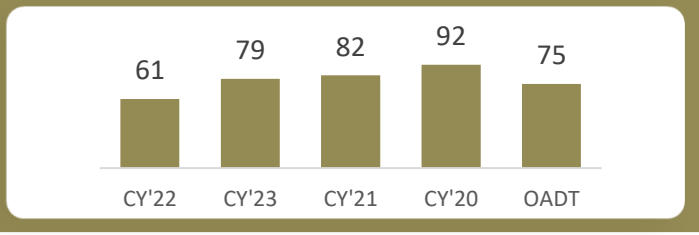
Dwell Time Performance: Southern Region

Southern Region

IMPORT



EXPORT



IMPORT

	CY'22	CY'23	CY'21	CY'20	OADT
Kochi	38	43	40	54	46
New Mangalore	83	75	90	108	88
Ennore	41	40	87	51	55
Chennai	41	42	51	47	42
Kattupalli	50	49	64	66	53
Krishnapatnam	37	49	54	92	63
Tuticorin	21	21	22	21	20

EXPORT

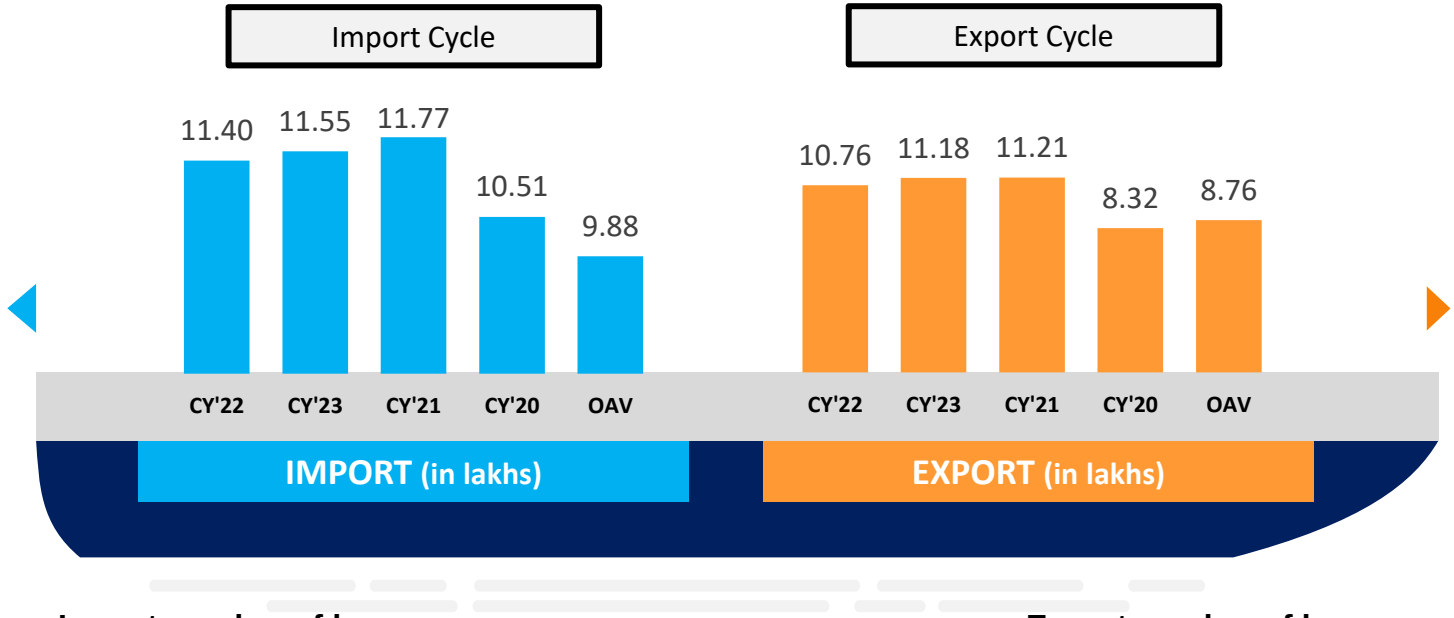
	CY'22	CY'23	CY'21	CY'20	OADT
Kochi	91	78	97	93	84
New Mangalore	95	85	128	133	105
Ennore	103	94	82		70
Chennai	95	85	91	95	85
Kattupalli	89	85	99	109	77
Krishnapatnam	62	59	72	74	63
Tuticorin	66	54	62	79	63

OADT – Overall Avg Dwell Time: Overall average since start

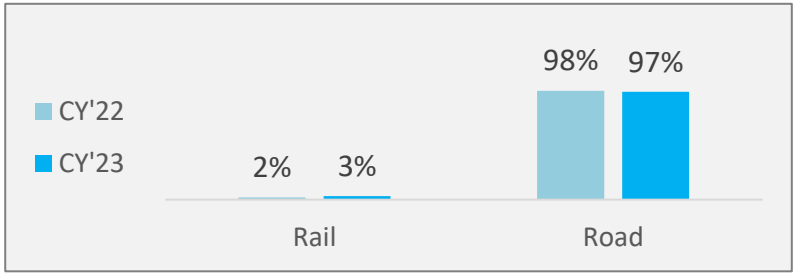
Container Count: Southern Region

Container count analysis showcase the number of boxes over the time period for all the ports.

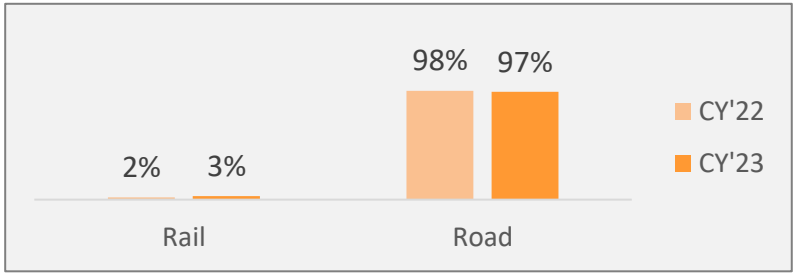
Southern Region



Import number of boxes



Export number of boxes



OAV – Averages of Past five year's

Container Transportation: Southern Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	22.2	36.0	↓
Truck	36.6	40.8	↓
Overall	**38.5**	**40.8**	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	113.9	107.3	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	107.2	89.4	↑
Truck	88.1	79.4	↑
Overall	**61.4**	**79.4**	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	51.4	47.1	↑

Container Lifecycle (Export Cycle)

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

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

Port Performance Benchmarking: Southern Region

The component benchmarks the port terminals by examining dwell time taken by each terminal to crater a given number of container boxes. The values are standardized for comparison

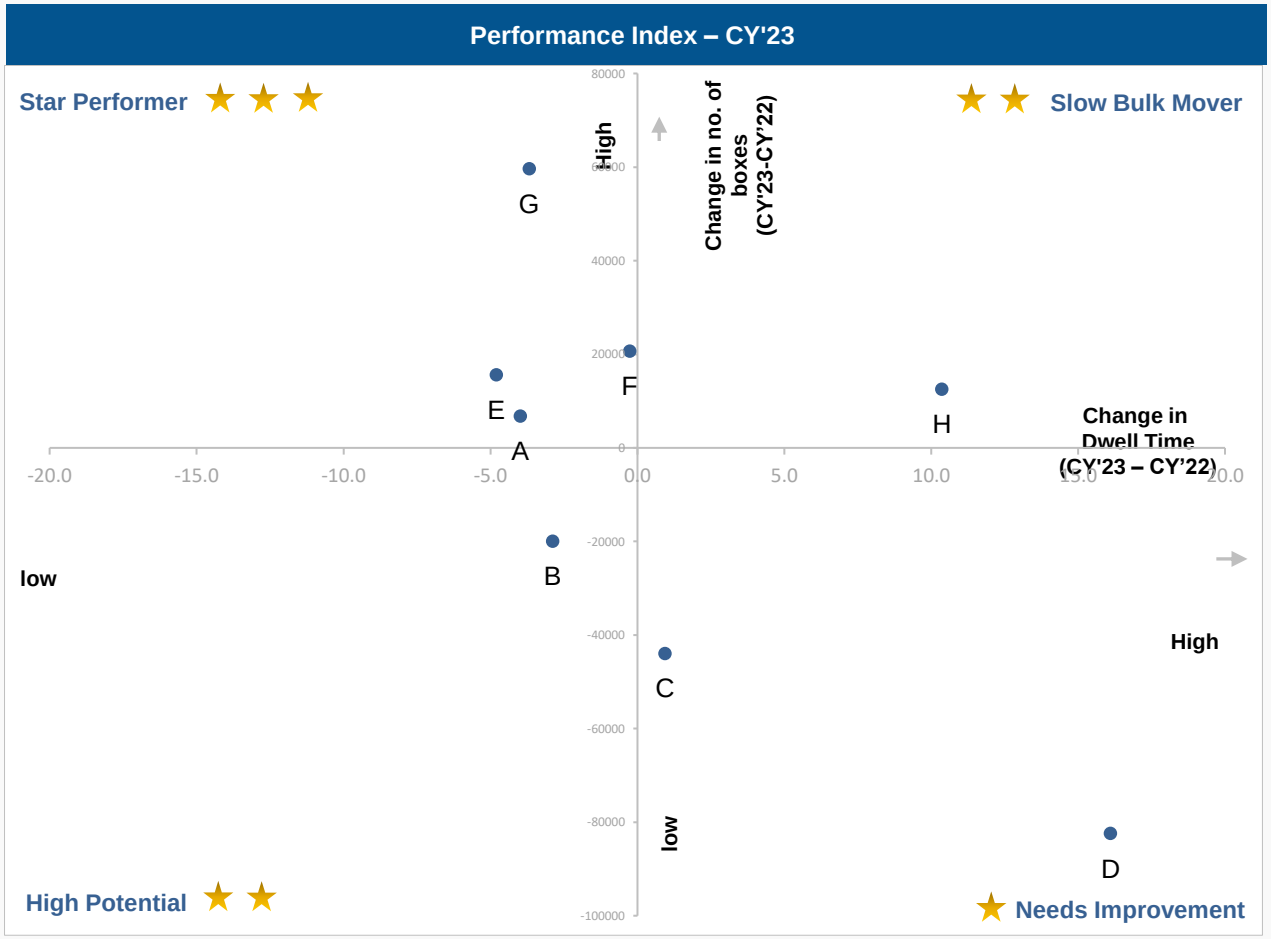
X-axis
Dwell Time

Y-axis
Number of boxes

Abb.	Name of Terminal
A	Chennai Container Terminal Pvt. Ltd. (CCTL)
B	Chennai International Terminals Pvt Ltd (CITPL)
C	Dakshin Bharat Gateway Terminal (DBGT)
D	PSA SICAL Terminals
E	International Container Transhipment Terminal, Kochi
F	Adani Kattupalli Port Private Limited (AKPPL)
G	Mangalore Container Terminal Private Limited (MCTPL)
H	Adani Ennore Container Terminal
I	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)

Port Individual Performance Comparison (Previous year): Southern Region

The component highlights & compare the change in performance of various terminals by examining dwell time taken by each terminal to crater a given number of container boxes in the present year as compared to the previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.



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C	Dakshin Bharat Gateway Terminal (DBGT)
D	PSA SICAL Terminals
E	International Container Transhipment Terminal, Kochi
F	Adani Kattupalli Port Private Limited (AKPPL)
G	New Manglore Port Trust
H	Adani Ennore Container Terminal

X-axis
Change in Dwell time in CY'23 w.r.t. previous year(CY'22)

Y-axis
Change in no. of boxes in CY'23 w.r.t. previous year(CY'22)

Port Performance Benchmarking (Based on Capacity & Dwell time): Southern Region

The component benchmarks the port terminals by examining dwell time taken by each terminal with respect to there capacity to handle volume (TEU). The values are standardized for comparison.

Abb.	Name of Terminal
A	Chennai Container Terminal Pvt. Ltd. (CCTL)
B	Chennai International Terminals Pvt Ltd (CITPL)
C	Dakshin Bharat Gateway Terminal (DBGT)
D	International Container Transhipment Terminal, Kochi
E	Adani Kattupalli Port Private Limited (AKPPL)
F	Adani Ennore Container Terminal
G	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)

X-axis
Relative Port Dwell time

Y-axis
Relative Port TEU capacity

CFS Performance Benchmarking: Southern Region

Top Performing CFS

Sical CFS, Chennai, Tiruvallur TN

High Potential CFS

O Yard CFS Chennai

Low Performing CFS

Continental Warehousing corporation Nhava sheva Ltd.

Container Transportation: Chennai Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	21.9	33.9	↓
Truck	41.5	42.5	↓
Overall	**40.9**	**42.2**	↓

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	2.74	2.83	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	107.7	100.0	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	58.1	52.8	↑

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	5.66	6.27	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	111.3	85.2	↑
Truck	94.4	84.5	↑
Overall	**94.9**	**84.5**	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Kochi Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	37.8	43.2	↓

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	0.22	0.13	↑

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	121.3	120.6	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	32.0	38.4	↓

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	0.49	0.79	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	91.0	77.7	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Kattupalli Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	50.3	49.5	↑

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	2.74	2.83	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	107.7	100.0	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	89.5	85.2	↑

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	3.36	3.60	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	58.1	52.8	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Tuticorin Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
DBGT			↑
Overall	21.2	20.9	↑

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	3.84	1.77	↑

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	138.9	142.6	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	28.2	25.4	↑

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	1.49	1.50	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
DBGT			↑
Overall	65.9	53.8	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Krishnapatnam Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	36.6	49.4	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	141.1	128.8	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	61.8	59.4	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	91.5	85.4	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Ennore Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	22.4	21.1	↑
Truck	41.7	41.0	↑
Overall	**41.0**	**40.1**	↑

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	107.7	100.0	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	97.2	99.5	↓
Truck	103.2	94.1	↑
Overall	**103.0**	**94.4**	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	58.1	52.8	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: New Mangalore Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	83.4	75.5	↑

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	95.2	84.7	↑

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

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

Port Dwell Time – Export Cycle

Container Lifecycle (Export Cycle)

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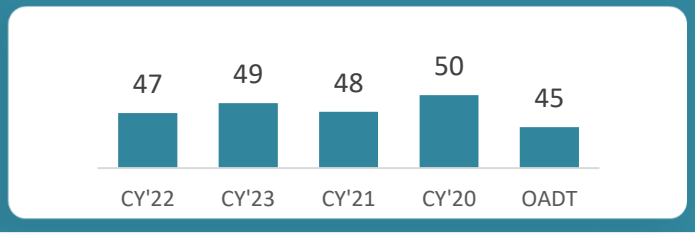
04
EASTERN REGION PERFORMANCE

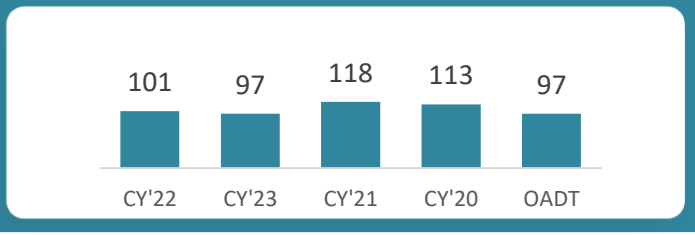
Dwell Time Performance: Eastern Region

Eastern Region

IMPORT

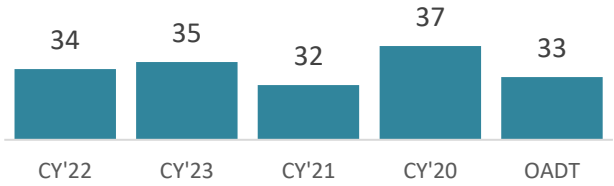


EXPORT

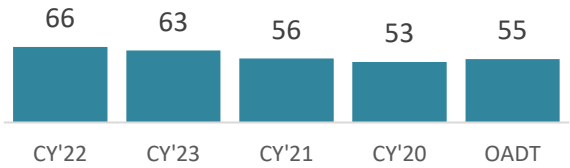


IMPORT

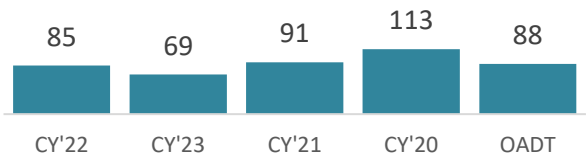
Kolkata



Visakhapatnam

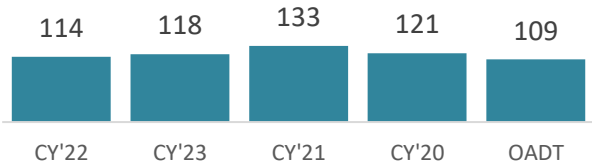


Haldia

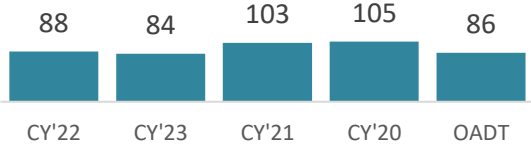


EXPORT

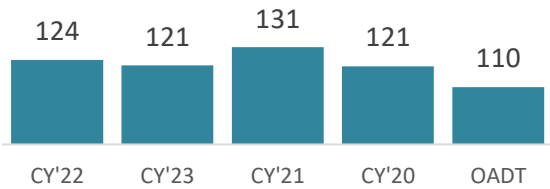
Kolkata



Visakhapatnam



Haldia

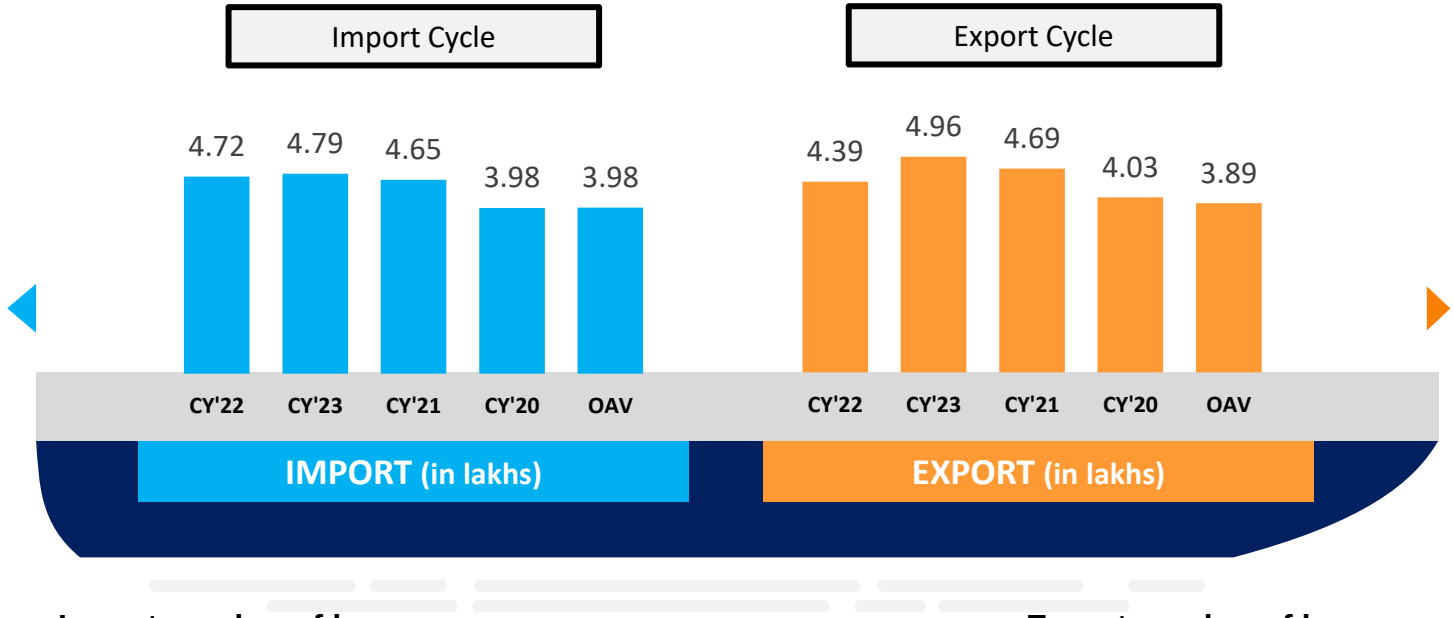


OADT – Overall Avg Dwell Time: Overall average since start

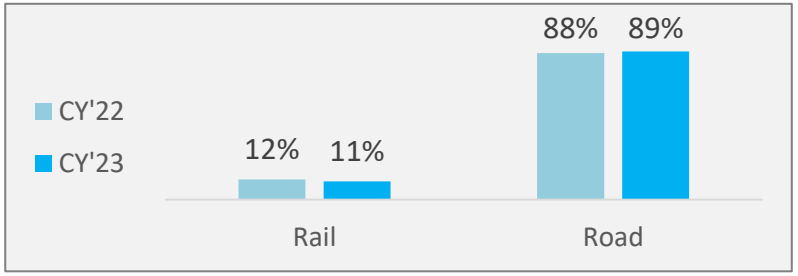
Container Count: Eastern Region

Container count analysis showcase the number of boxes over the time period for all the ports.

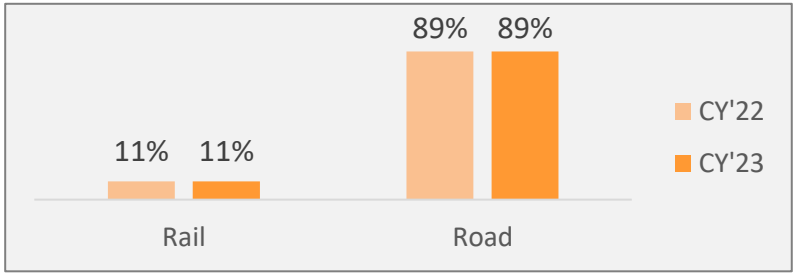
Eastern Region



Import number of boxes



Export number of boxes



OAV – Averages of Past five year's

Container Transportation: Eastern Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	176.4	167.5	↑
Truck	47.3	43.5	↑
Overall	**47.3**	**48.7**	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	134.3	141.6	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Train	130.5	117.2	↑
Truck	98.2	94.8	↑
Overall	**101.3**	**96.7**	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	106.9	118.8	↓

Container Lifecycle (Export Cycle)

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

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

Port Performance Benchmarking: Eastern Region

The component benchmarks the port terminals by examining dwell time taken by each terminal to crater a given number of container boxes. The values are standardized for comparison

Abb.	Name of Terminal
A	Visakha Container Terminal
B	Kolkata Dock System (KDS) , Kolkata Port
C	Haldia International Container Terminal (HICT)

X-axis
Dwell Time

Y-axis
Number of boxes

Port Individual Performance Comparison (Previous year): Eastern Region

The component highlights & compare the change in performance of various terminals by examining dwell time taken by each terminal to crater a given number of container boxes in the present year as compared to the previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.

Performance Index – CY'23

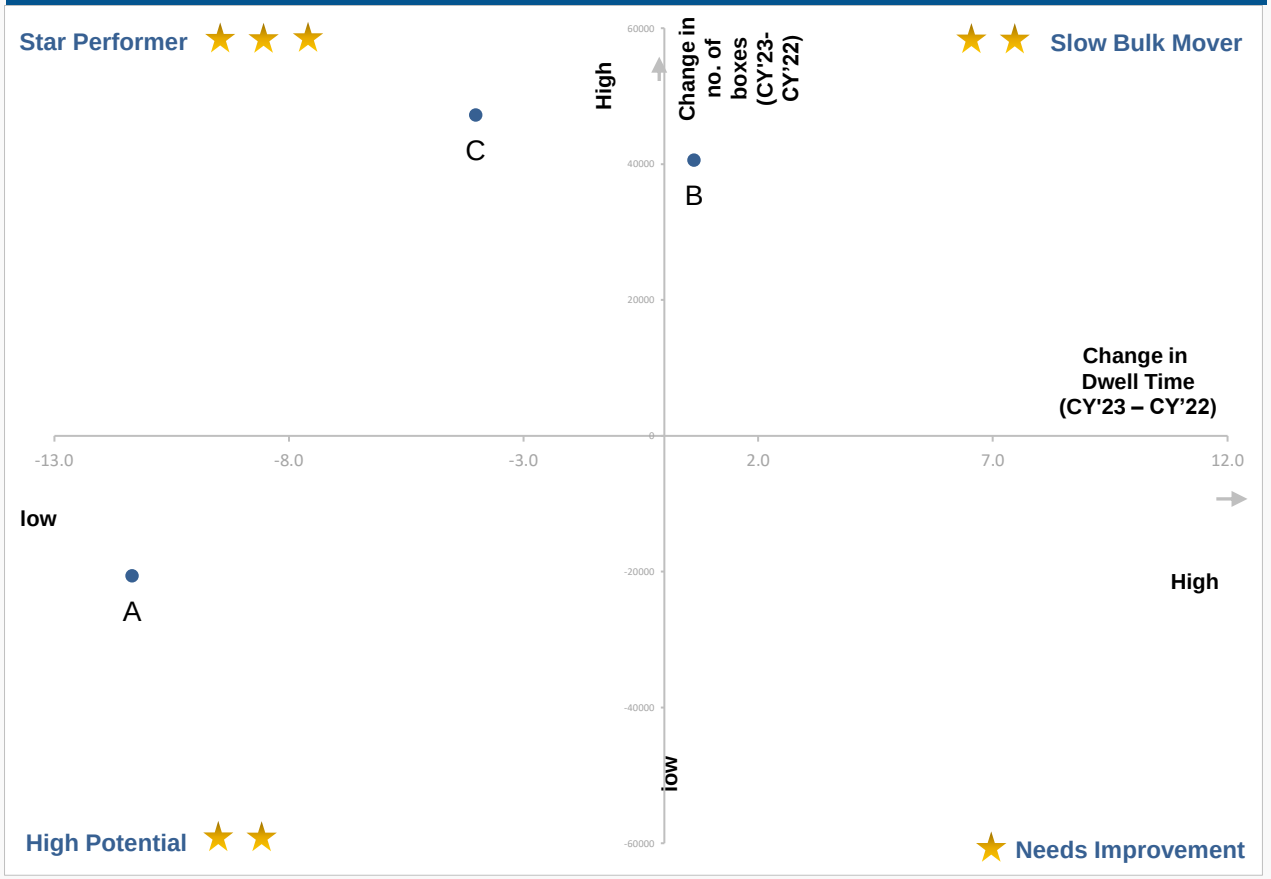


Abb.	Name of Terminal
A	Haldia International Container Terminal (HICT)
B	Kolkata Dock System (KDS) , Kolkata Port
C	Visakha Container Terminal

X-axis
Change in Dwell time in CY'23 w.r.t. previous year (CY'22)

Y-axis
Change in no. of boxes in CY'23 w.r.t. previous year (CY'22)

Port Performance Benchmarking (Based on Capacity & Dwell time): Eastern Region

The component benchmarks the port terminals by examining dwell time taken by each terminal with respect to there capacity to handle volume (TEU). The values are standardized for comparison.

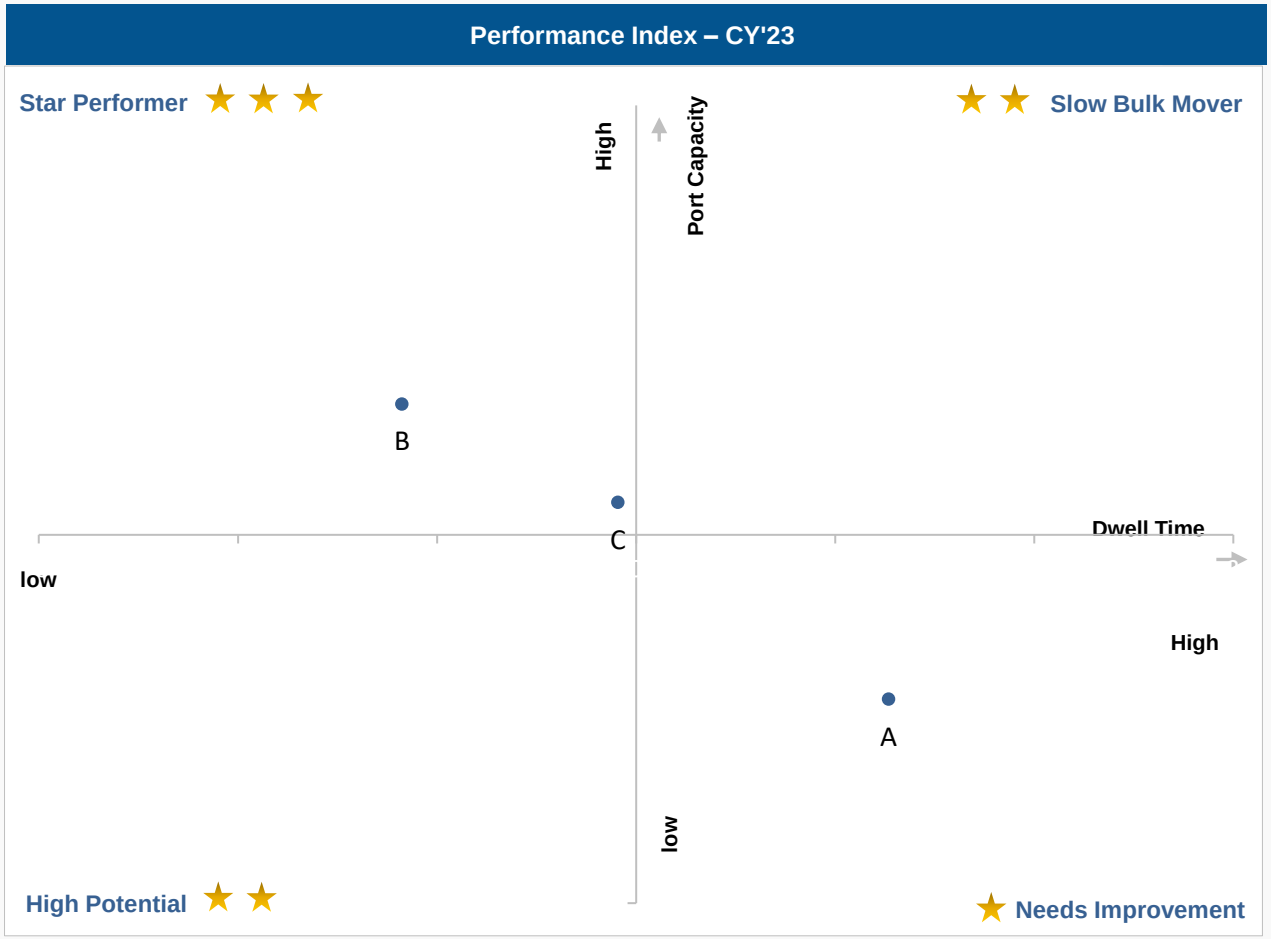


Abb.	Name of Terminal
A	Haldia International Container Terminal (HICT)
B	Kolkata Dock System (KDS) , Kolkata Port
C	Visakha Container Terminal

X-axis
Relative Port Dwell time

Y-axis
Relative Port TEU capacity

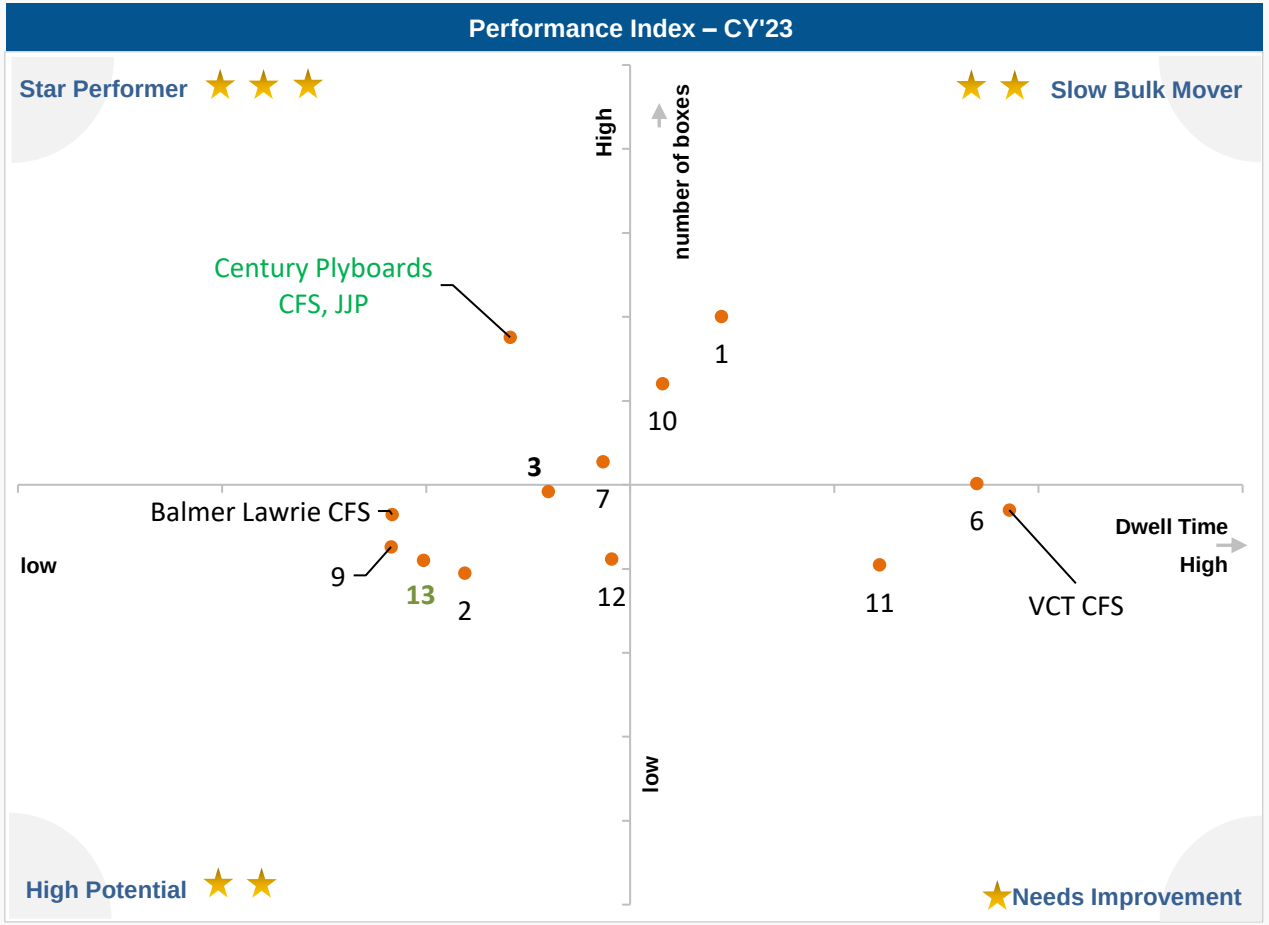
CFS Performance Benchmarking: Eastern Region

Top Performing CFS

Century Plyboards CFS, JJP

High Potential CFS

Balmer Lawrie CFS



Low Performing CFS

VCT CFS

Container Transportation: Visakhapatnam Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	66.0	63.0	↑

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	2.05	2.10	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	148.7	162.3	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	117.6	121.9	↓

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	1.89	2.14	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	87.7	83.7	↑

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Kolkata Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	34.3	35.2	↓

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	1.19	1.26	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	127.9	136.2	↓

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	114.0	118.5	↓

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	1.24	0.93	↑

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	99.7	111.1	↓

Container Lifecycle (Export Cycle)

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

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

Container Transportation: Haldia Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	84.7	69.0	↑

Transit Time – Import Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Port to CFS	2.81	3.17	↓

CFS/ ICD Dwell Time – Import Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	137.7	126.4	↑

Port Dwell Time – Export Cycle

EXPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
Overall	124.4	121.4	↑

Transit Time – Export Cycle

IMPORT

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS to Port	4.00	6.01	↓

CFS/ ICD Dwell Time – Export Cycle

CFS/ ICD

	CY'22 (in hrs)	CY'23 (in hrs)	
CFS	100.3	104.4	↓

Container Lifecycle (Export Cycle)

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

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

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05
CONGESTION ANALYSIS

Congestion Analysis & Methodology

The amount of traffic near the port is shown by the congestion analysis. To determine transit time to move a container in a specific location, we analyze the transit time that a container takes to move between ports and clusters of CFSs that are nearby. The method's step-by-step details are provided below.

Methodology

Step 1 All the CFS in along side port are divided into clusters based on their vicinity

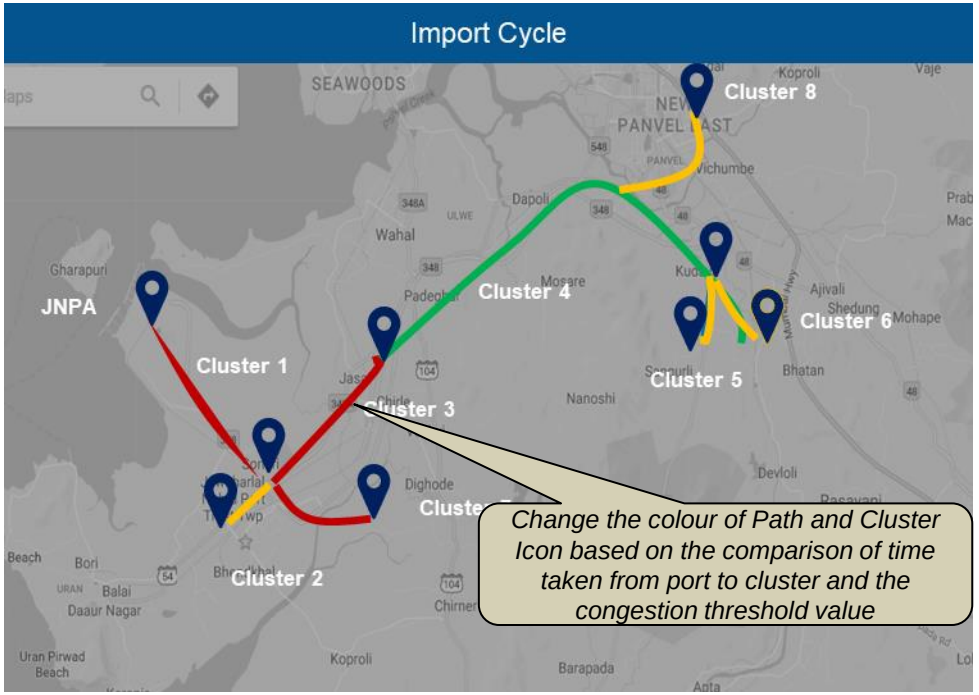
Step 2 Transit time calculation

Import Cycle: In Time Stamp of CFS in cluster – Port Out Time Stamp

Export Cycle: Port In Time Stamp – Out Time Stamp of CFS in Cluster

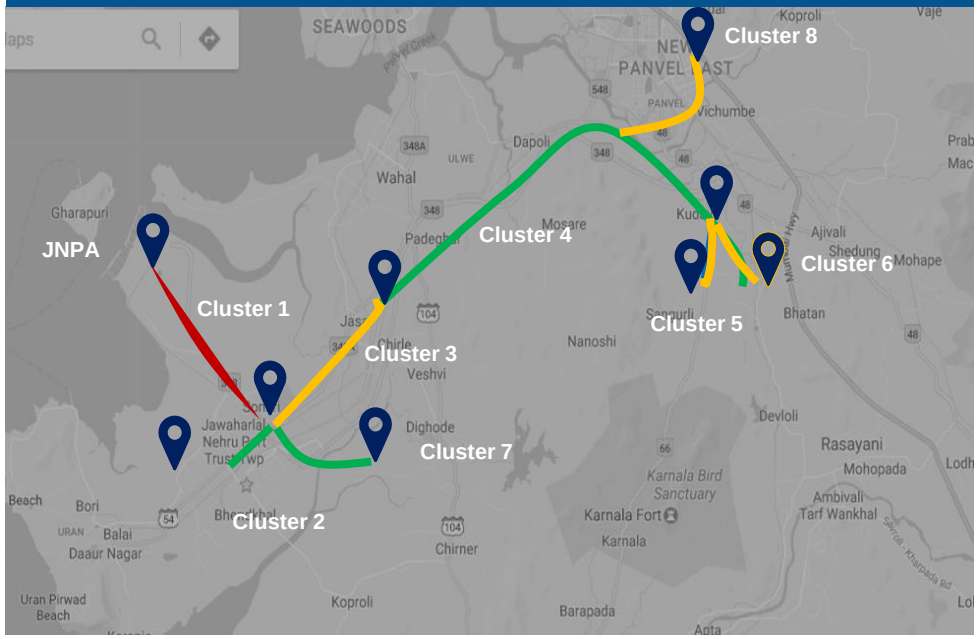
Step 3 Benchmarking

1. Actual time is compared with Ideal Time
2. Ideal time is 3X of time showcased on google maps btw the OD pair
3. The classification of actual time is done
    1. High congestion = Greater than 100% Ideal time
    2. Medium congestion = Btw 50% to 100% ideal time
    3. Low congestion- Btw 0% to 50% less than ideal time
4. Clustors with high congestions are marked as bottlenecks

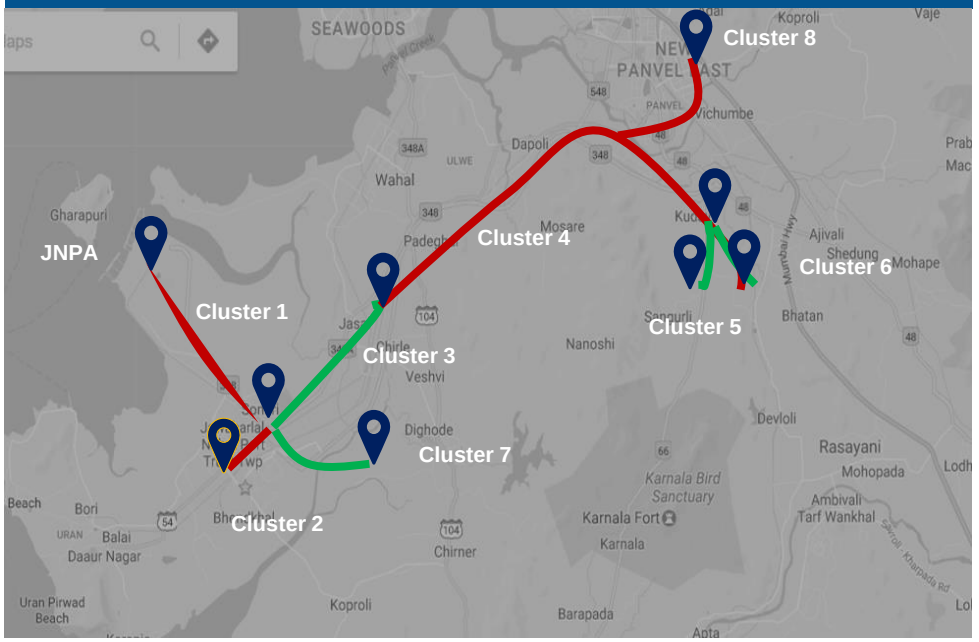


Congestion Analysis: JNPA Region

Import Cycle



Export Cycle



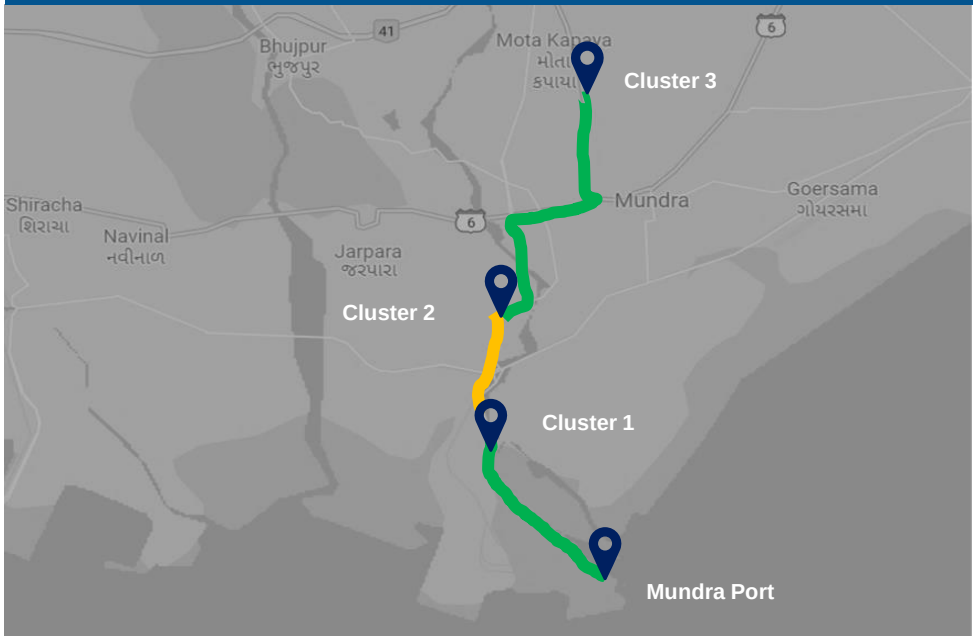
Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	low
Cluster 3	Sonari area,JNPA road	Medium
Cluster 4	Chirle area, JNPA road	Low
Cluster 5	Plaspa area, coach kanyakumari highway	Medium
Cluster 6	Salva apta rd area, bangalore highway	Medium
Cluster 7	Patilpada area, khopate JNPA road	Low
Cluster 8	Taloja, navi mumbai	Medium

Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	High
Cluster 3	Sonari area,JNPA road	Low
Cluster 4	Chirle area, JNPA road	High
Cluster 5	Plaspa area, coach kanyakumari highway	Low
Cluster 6	Salva apta rd area, bangalore highway	Low
Cluster 7	Patilpada area, khopate JNPA road	Low
Cluster 8	Taloja, navi mumbai	High

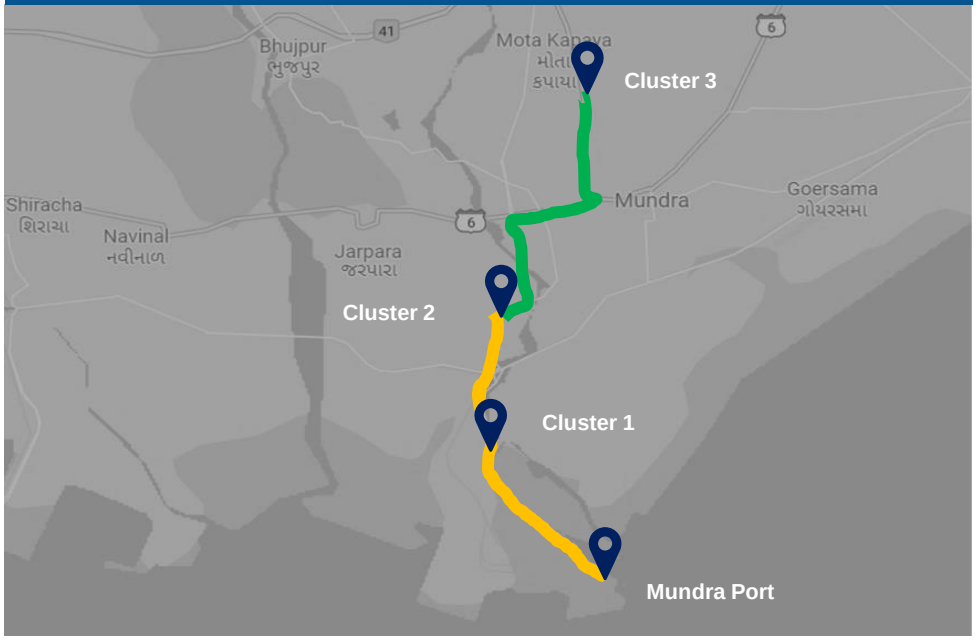
Legend: Route Congestion Level — High — Medium — Low — Location Point

Congestion Analysis: Mundra Region

Import Cycle



Export Cycle



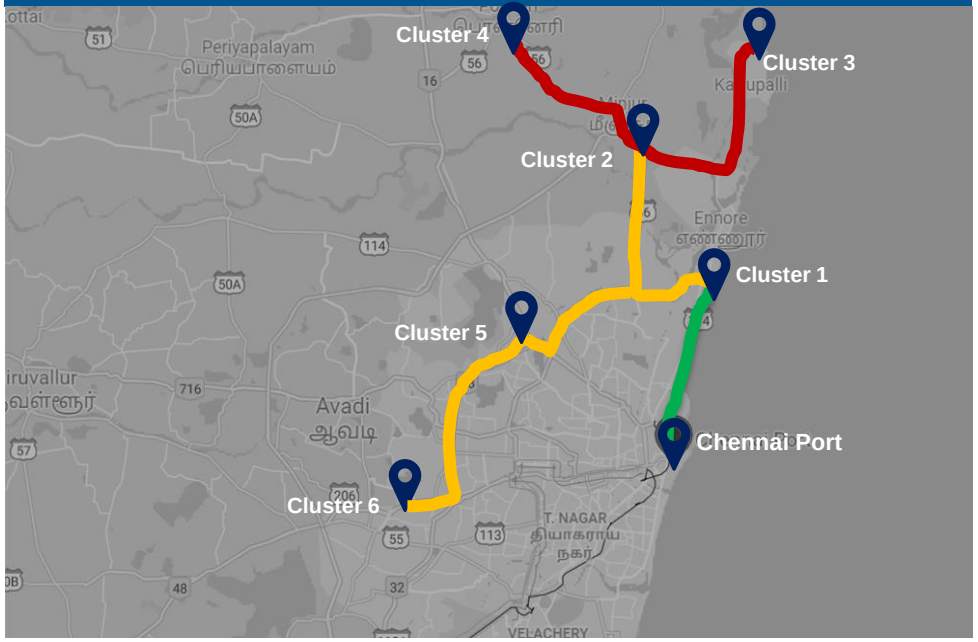
Serial	Cluster Name	Congestion
Cluster 1	APSEZ Area	Low
Cluster 2	Hind circle	Medium
Cluster 3	Motakapaya	Low

Serial	Cluster Name	Congestion
Cluster 1	APSEZ Area	Medium
Cluster 2	Hind circle	Medium
Cluster 3	Motakapaya	Low

Legend: Route Congestion Level — High — Medium — Low — Location Point

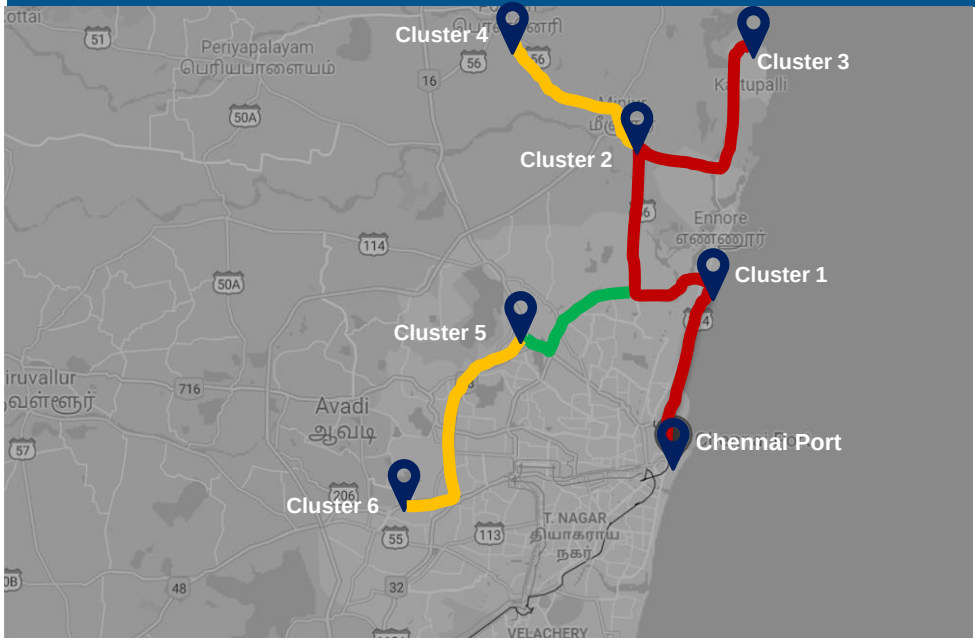
Congestion Analysis: Chennai Region

Import Cycle



Serial	Cluster Name	Congestion
Cluster 1	Thiruvottiyur High Road Junction	Low
Cluster 2	Aandarkuppam - Melur Junction	Medium
Cluster 3	Kattupalli portbound area	High
Cluster 4	Minjur - Ponneri bound Area	High
Cluster 5	Madhavaram - Moolakadai Junction	Medium
Cluster 6	Poonamallee - Sriperumbadur Junction	Medium

Export Cycle

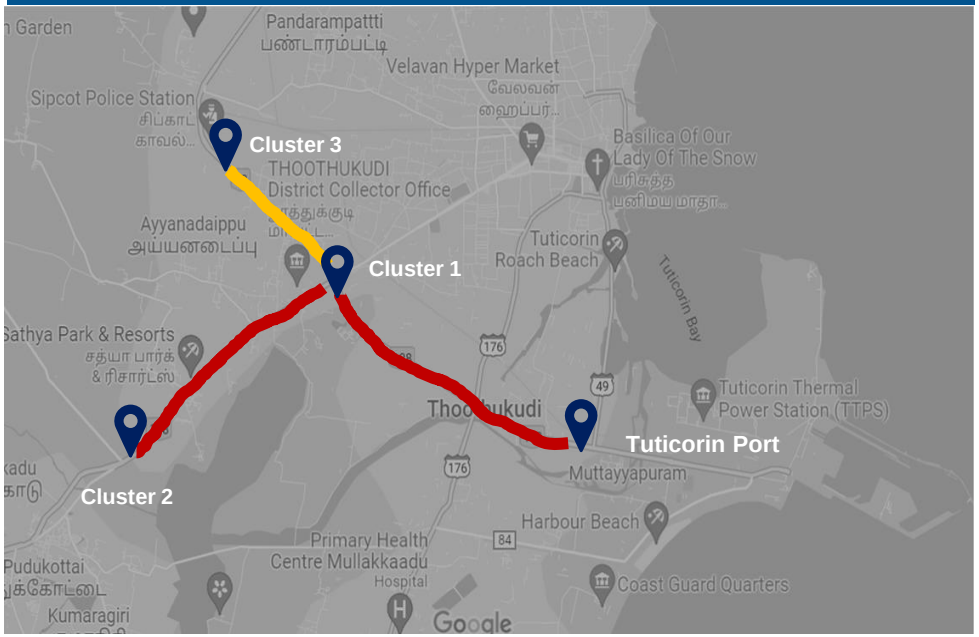


Serial	Cluster Name	Congestion
Cluster 1	Thiruvottiyur High Road Junction	High
Cluster 2	Aandarkuppam - Melur Junction	High
Cluster 3	Kattupalli portbound area	High
Cluster 4	Minjur - Ponneri bound Area	Medium
Cluster 5	Madhavaram - Moolakadai Junction	Low
Cluster 6	Poonamallee - Sriperumbadur Junction	Medium

Legend: Route Congestion Level — High — Medium — Low — Location Point

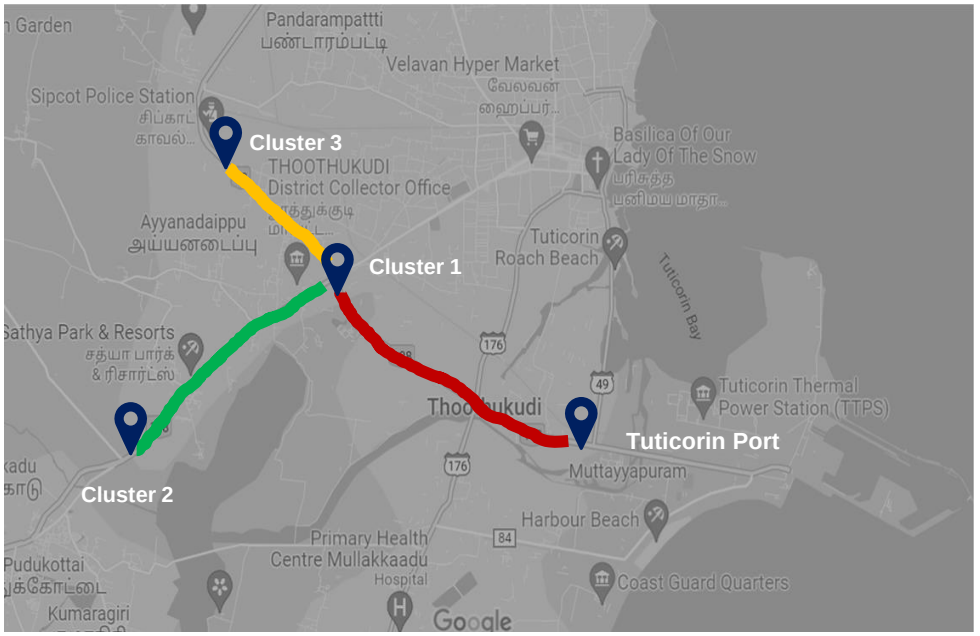
Congestion Analysis: Tuticorin Region

Import Cycle



Serial	Cluster Name	Congestion
Cluster 1	Periyanayagapuram, Thoothukudi, Madurai Road	High
Cluster 2	Tirunelveli road near by Podukottai	High
Cluster 3	Sipcot area near by Madurai road	Medium

Export Cycle

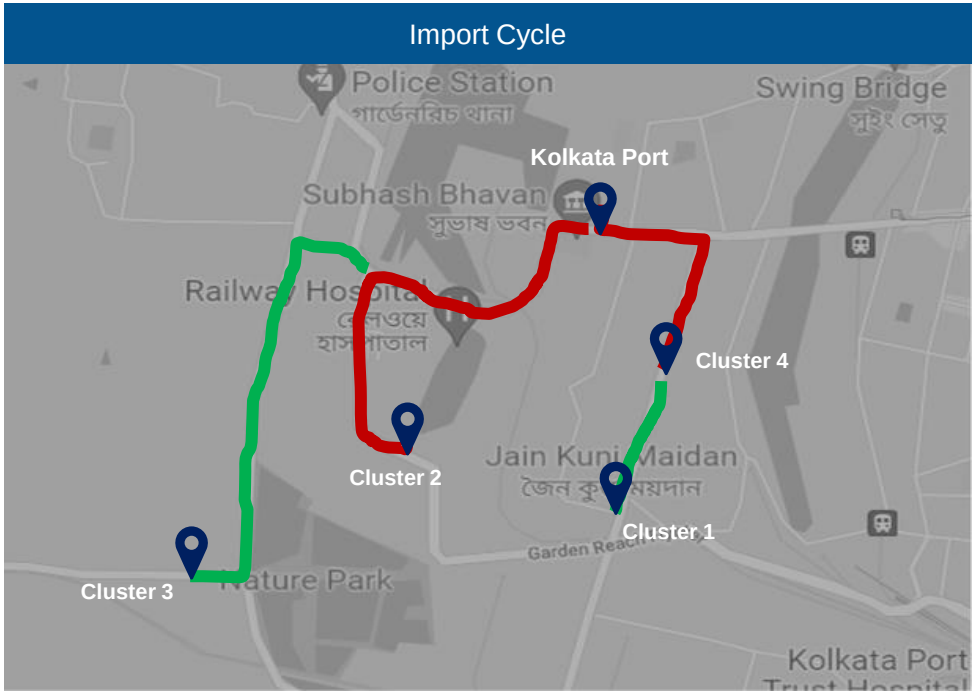


Serial	Cluster Name	Congestion
Cluster 1	Periyanayagapuram, Thoothukudi, Madurai Road	High
Cluster 2	Tirunelveli road near by Podukottai	Low
Cluster 3	Sipcot area near by Madurai road	Medium

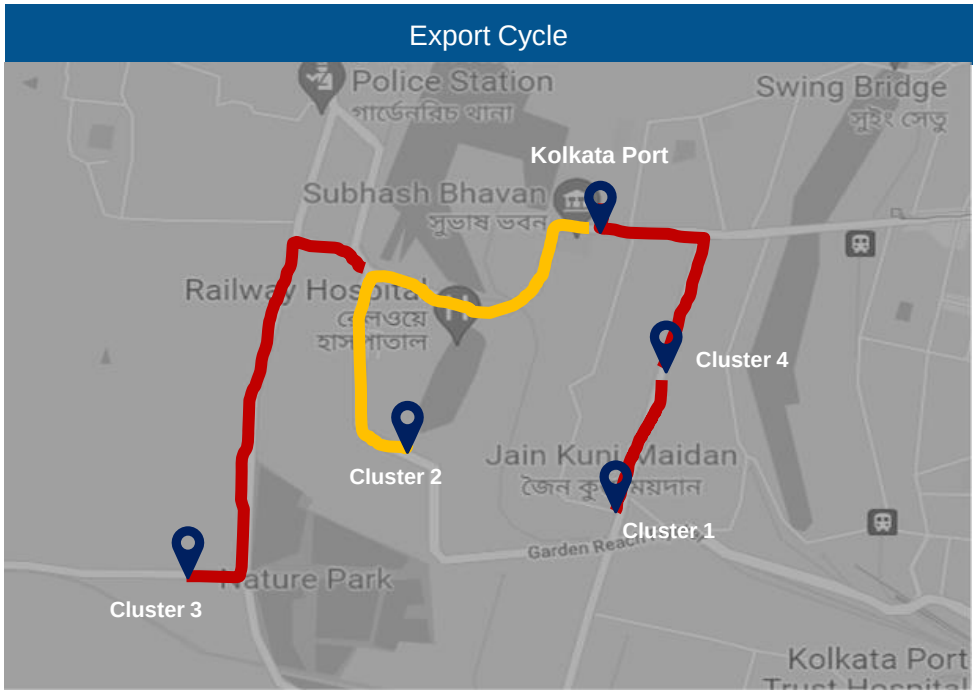
Legend: Route Congestion Level — High — Medium — Low — Location Point

Congestion Analysis: Kolkata Region

Import Cycle



Export Cycle



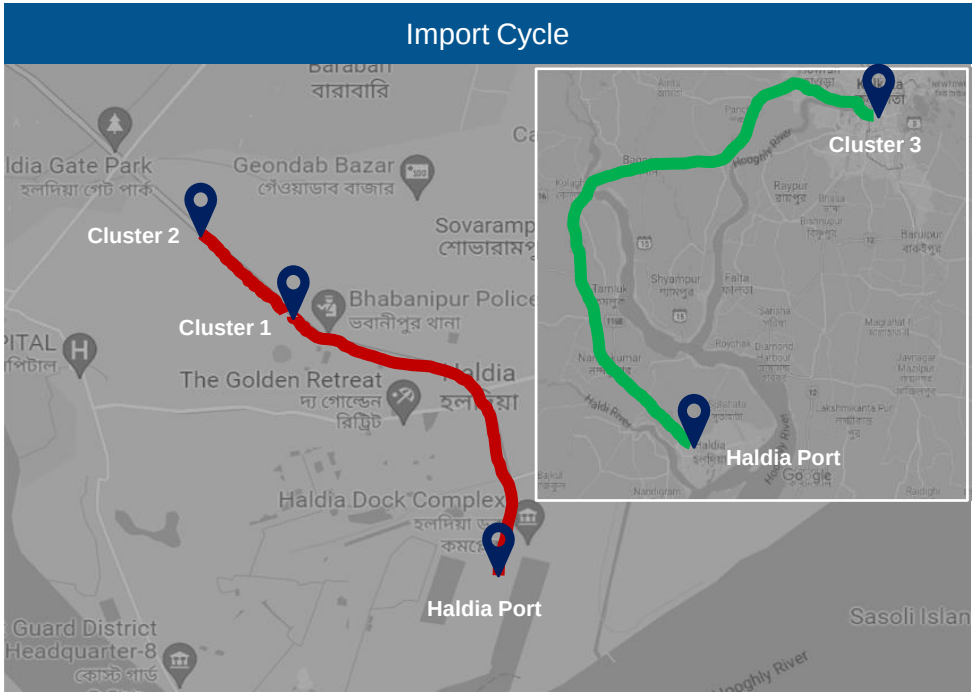
Serial	Cluster Name	Congestion
Cluster 1	Base bridge area	Low
Cluster 2	Sonapur road area	High
Cluster 3	Nature park area	Low
Cluster 4	Babu bazar area	High

Serial	Cluster Name	Congestion
Cluster 1	Base bridge area	High
Cluster 2	Sonapur road area	Medium
Cluster 3	Nature park area	High
Cluster 4	Babu bazar area	High

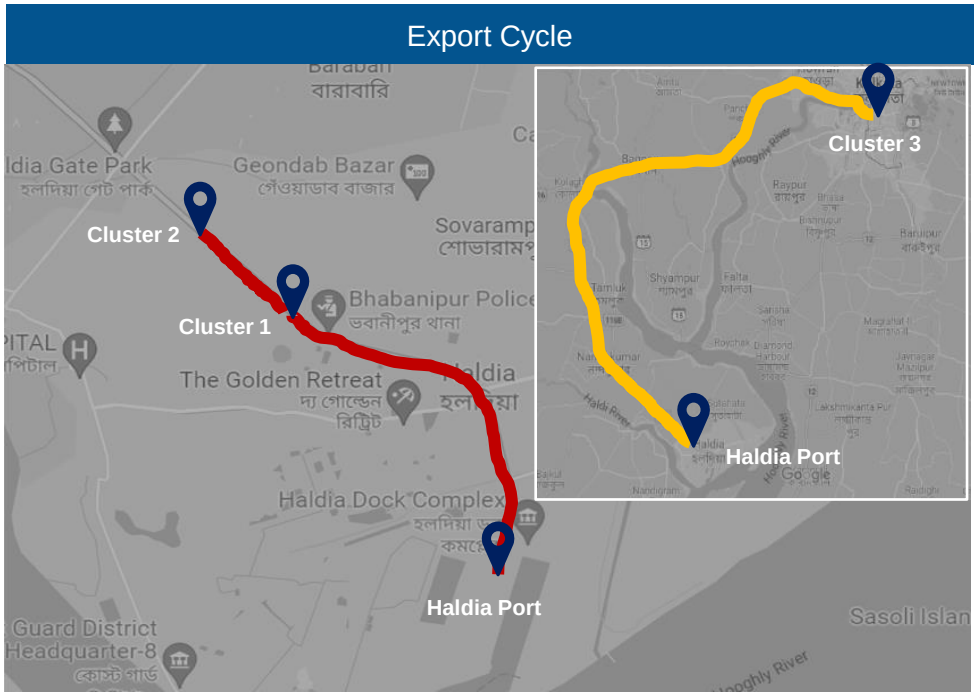
Legend: Route Congestion Level — High — Medium — Low — Location Point

Congestion Analysis: Haldia Region

Import Cycle



Export Cycle



Serial	Cluster Name	Congestion
Cluster 1	Talpukur area, Kolkata highway	High
Cluster 2	City centre area, Kolkata highway	High
Cluster 3	Silpodanga area	Low

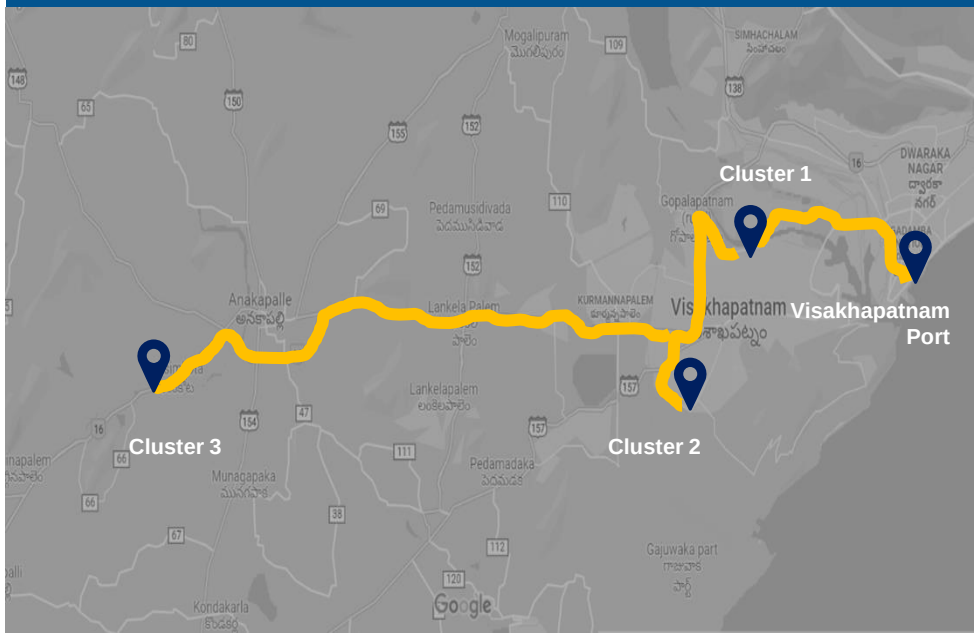
Serial	Cluster Name	Congestion
Cluster 1	Talpukur area, Kolkata highway	High
Cluster 2	City centre area, Kolkata highway	High
Cluster 3	Silpodanga area	Medium

Legend: Route Congestion Level — High — Medium — Low — Location Point

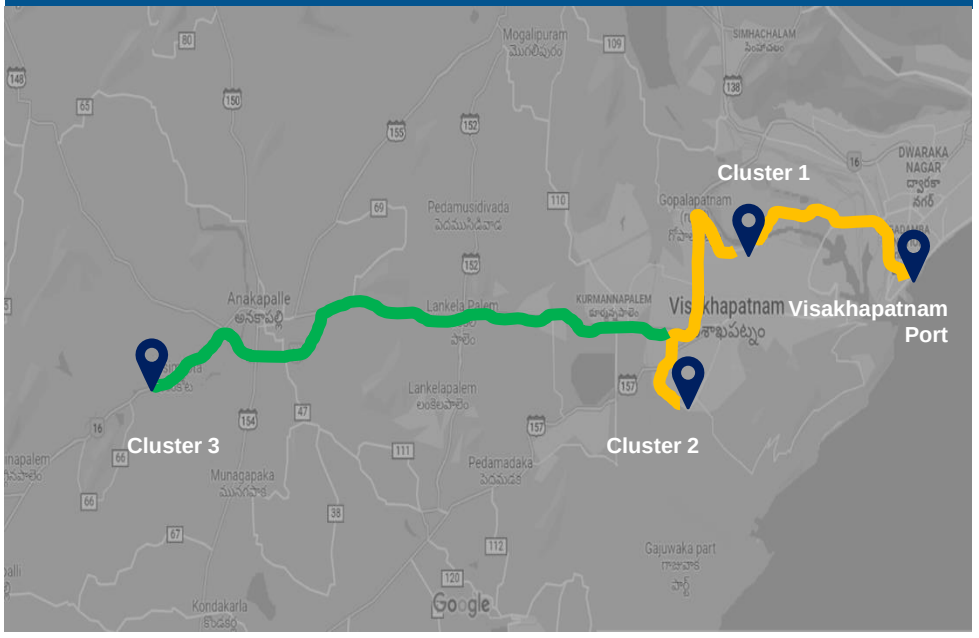
Note: Haldia CFS to Port transit data has discrepancy.

Congestion Analysis: Visakhapatnam Region

Import Cycle



Export Cycle



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

Serial	Cluster Name	Congestion
Cluster 1	Port road, Gopalapatnam area	Medium
Cluster 2	Autonagar, Gajuwaka area	Medium
Cluster 3	Chennai – Kolkata highway, Bayyavaram area	Low

Legend: Route Congestion Level — High — Medium — Low — Location Point

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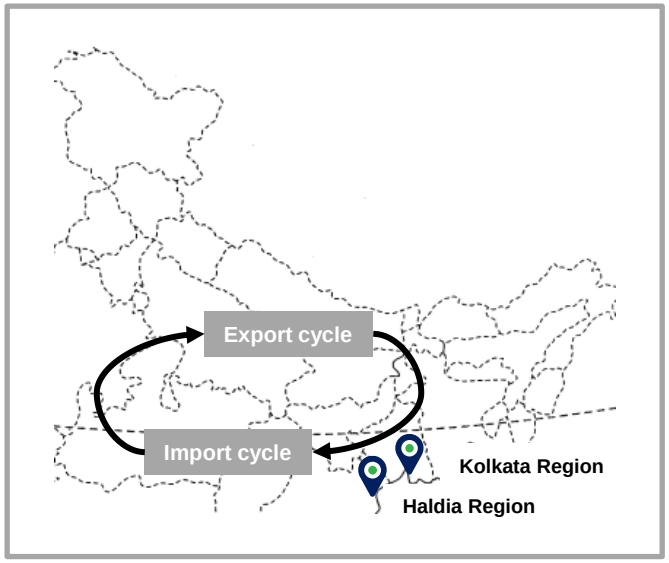
06
TRANSIT MOVEMENT ACROSS INDIA

Transit Movement across ICPs

Transit movement across ICPs from Kolkata Port Terminal:

Kolkata Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	109 hrs	105.9 hrs
	Road	139.3 hrs	105.9 hrs
	Rail	101.3 hrs	-



Haldia Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	99.9	-

Note: Export data has discrepancy

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07
ANNEXURE

Annexure – Name of the Ports

Abbreviation	Terminal Name	Port Name
BMCT	Bharat Mumbai Container Terminal	JNPA
GTI	Gateway Terminals India	JNPA
NSFT	Nhava Sheva Freeport Terminal	JNPA
NSIGT	Nhava Sheva India Gateway Terminal	JNPA
NSICT	Nhava Sheva International Container Terminal	JNPA
ACMTTL	Adani CMA Mundra Terminal	Mundra
AICT	Adani International Container Terminal	Mundra
AMCT	Adani Mundra Container Terminal	Mundra
AMCT-2	Adani Mundra Container Terminal-2	Mundra
MICT	Mundra International Container Terminal	Mundra
APM	APM Terminals Pipavav, Gujarat	Pipavav
KICT	Kandla International Container Terminal	Kandla
AHPL	Adani Hazira Port Limited	Hazira
MPT	Mormugao Port Trust	Goa

Abbreviation	Terminal Name	Port Name
CCTL	Chennai Container Terminal Pvt. Ltd.	Chennai
CITPL	Chennai International Terminals Pvt Ltd	Chennai
ICTT	International Container Transhipment Terminal, Kochi	Kochi
AKPPL	Adani Kattupalli Port Private Limited	Kattupalli
AECT	Adani Ennore Container Terminal	Ennore
DBGT	Dakshin Bharat Gateway Terminal	Tuticorin
PSA Sical	PSA SICAL Terminals	Tuticorin
AKCTPL	Adani Krishnapatnam Container Terminal Pvt Ltd	Krishnapatnam
NMPT	New Mangalore Port Trust Terminal	New Mangalore
KDS	Kolkata Dock System	Kolkata
HICT	Haldia International Container Terminal	Haldia
VCTPL	Visakha Container Terminal	Visakhapatnam
Paradip	Paradip International Cargo Terminal	Paradip

Annexure – Western Region

List of CFS name used in CFS Performance Index			
1	Adani CFS Eximyard, Mundra	18	Navkar Corporation Yard 2 CFS, Panvel
2	Saurashtra CFS, Mundra	19	Vaishno Logistics CFS, Navi Mumbai
3	Punjab Conware CFS, Navi Mumbai	20	Balmer & Lawrie CFS, Navi Mumbai
4	TG Terminals CFS, Mundra	21	Navkar Corporation Yard 1 CFS, Panvel
5	Speedy Multimode CFS, JNPT	22	Apollo Logisolutions CFS, Panvel
6	Honey Comb CFS, Mundra	23	Dronagiri Rail Terminal CFS, Navi Mumbai
7	CWC CFS, Mundra	24	Seabird CFS, Navi Mumbai
8	EFC Logistics India	25	Gateway Distriparks CFS, Navi Mumbai
9	CWC Conex Terminal CFS	26	Rishi CFS, Mundra
10	Seabird CFS, Mundra	27	Hind Terminal CFS, Hazira
11	MICT CFS, Mundra	28	CWC Polaris logistics park
12	Sarveshwar CFS	29	Contrans Logistic CFS, Pipavav
13	Landmark CFS, Mundra	30	Ameya Logistics CFS, Navi Mumbai
14	JWC Logistics Park CFS	31	Continental Warehousing CFS, Navi Mumbai
15	LCL Logistics CFS, Pipavav	32	APM (Maersk India) CFS, Navi Mumbai
16	CWC Impex Park CFS, Navi Mumbai	33	Ashte Logistics CFS, Panvel
17	JWR CFS	34	Empezar Logistics CFS

List of ICD name used in ICD Performance Index	
1	Adani ICD, Tumb
2	The Thar Dry Port ICD Ahmedabad
3	Pristine ICD Chawapail , Ludhiana
4	Continental Warehousing Corporation Nhava Sheva pvt.
5	Hind Terminals Logistics Park ICD, Palwal
6	Vaishno Container Terminal-ICD Tarapur
7	KLPL ICD, Kanpur
8	ACTL ICD, Faridabad
9	The Thar Dry Port Jodhpur
10	Gateway Rail Freight ICD, Pyala
11	Allcargo Logistics Park ICD, Dadri
12	CMA CGM Logistics Park, Dadri
13	APM Terminals ICD, Dadri
14	ICD Jajpur (Jindal Stainless Ltd.)
15	Gateway Rail Freight ICD, Gurgaon
16	Albatross Inland Ports ICD, Dadri
17	ICD Timmapur, Telangana
18	Gateway Rail ICD, Sahnewal
19	Pegasus Inland Container Depot
20	ICD KIFTPL Kashipur
21	Gateway Rail Freight Limited ICD

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

1	Sical CFS, Chennai Tiruvallur Tamil Nadu	17	MIV CFS
2	Sanco Trans CFS, Chennai	18	A S Shipping Agencies CFS, Tiruvallur
3	Gateway Distriparks CFS, Chennai	19	Hari CFS
4	Kerry Indev Logistics ICD, Kanchipuram	20	Hind Terminals CFS, Chennai
5	Triway CFS, Chennai	21	Chola Logistics Pvt Ltd
6	Ennore Cargo Container Terminal CFS, Chennai	22	Raja Agencies CFS
7	Kailash Shipping Services CFS, Chennai	23	Diamond CFS Park
8	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	24	Glovis India CFS, Kanchipuram
9	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	25	A.S.Shipping Agencies Pvt Ltd
10	STP Services CFS, Chennai	26	Apm Terminals India CFS, Tiruvallur
11	ICBC CFS Chennai	27	Kerry Indev Logistics Private Limited / Continental Container Freight Station
12	Continental Warehousing Corporation Nhava Sheva Ltd.	28	St. John Freight Systems Ltd. - ICD Division
13	Sattva Hi-Tech And Conware CFS, Chennai	29	Prompt Terminals (P) Ltd
14	ALS Tuticorin Terminal Private Limited	30	Viking Warehousing CFS, Chennai
15	Sudharsan Logistics CFS, Chennai	31	O Yard CFS Chennai
16	GDKL CFS		

List of CFS name used in Eastern CFS Performance Index

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

LDB AT A GLANCE

67 MILLION+

CONTAINERS HANDLED

104	Toll Plaza Coverage
444+	CFS/ICD/ICP/PY/ IZ Coverage
600+	Operators deployed at ports
100%	EXIM Container Terminals covered*
2950+	RFID readers deployed PAN India
EDI	with FOIS and 28 Port Terminals

* Operation in Gangavaram port (NSDT) yet to be started.

PORT PERFORMANCE

(LDB ANNUAL ANALYTICS REPORT- CY'22 vs CY'23)

DWELL TIME

WESTERN REGION

Import Cycle : 5.2% (25 hrs to 26.3 hrs) ▼

Export Cycle : 6.3% (90.8 hrs to 85.1 hrs) ▲

TOP-PERFORMER : Gateway Terminals India (GTI)

EASTERN REGION

Import Cycle : 3% (47.3 hrs to 48.7 hrs) ▼

Export Cycle : 4.5% (101.3 hrs to 96.7 hrs) ▲

TOP-PERFORMER : Kolkata Dock System (KDS), Kolkata Port

SOUTHERN REGION

Import Cycle : 6% (38.5 hrs to 40.8 hrs) ▼

Export Cycle : 29.3% (61.4 hrs to 79.4 hrs) ▼

TOP-PERFORMER : Chennai International Terminals Pvt Ltd (CITPL)

TOP PERFORMERS OF DECEMBER 2023 PAN INDIA

TERMINAL
Gateway Terminals India (GTI)

CFS
Adani CFS Eximyard Mundra

ICD
Continental Warehousing Corporation Nhava Shev Pvt.

NLDS
NICDC LOGISTICS DATA SERVICES LTD
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