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Logistics Redefined

LOGISTICS DATA BANK

QUARTERLY ANALYTICS REPORT

2023 | **OCTOBER – NOVEMBER - DECEMBER**

| @nldsl

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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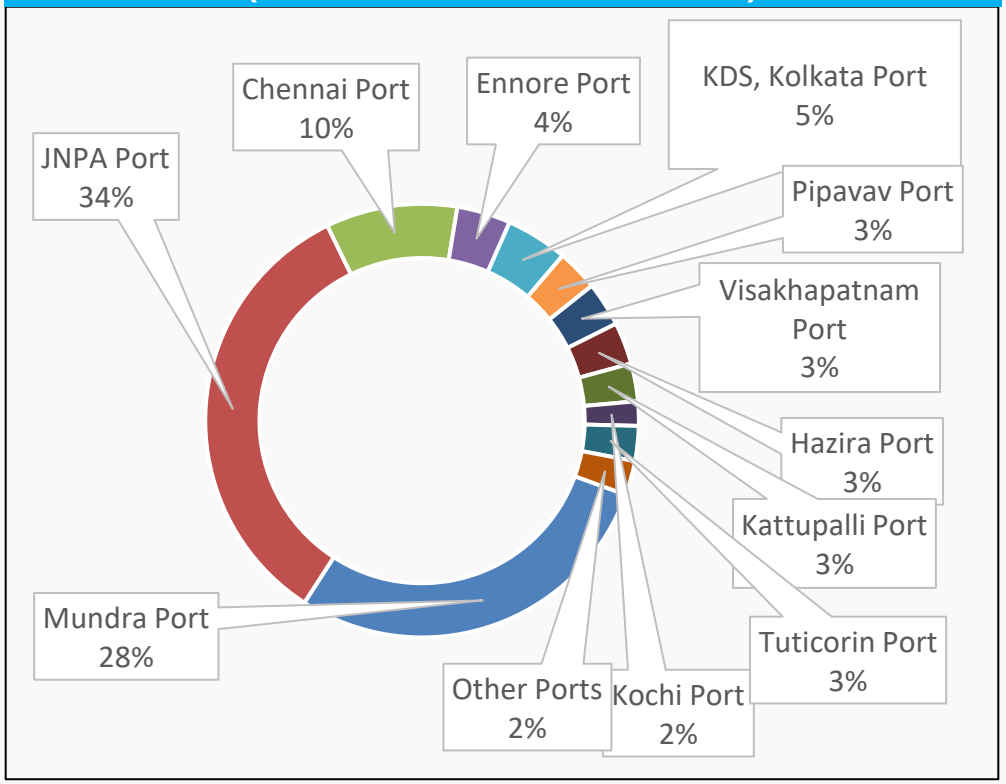
01
PAN INDIA PORT PERFORMANCE

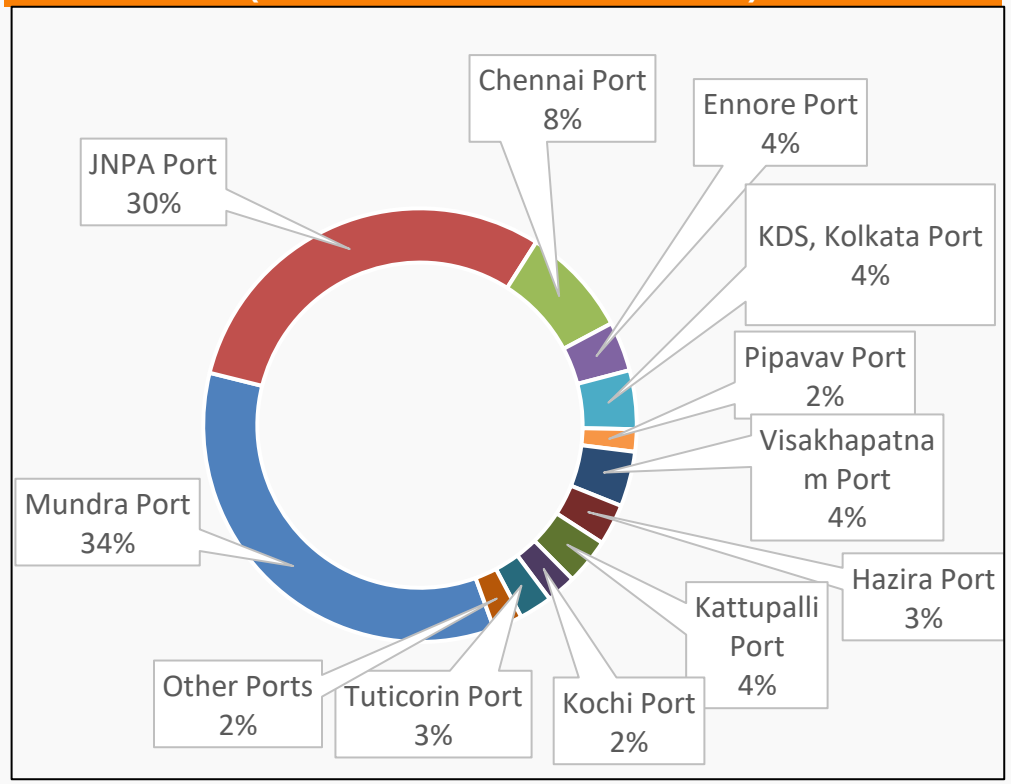
PAN India EXIM Trade Distribution

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 OND'23)



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



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

Key Highlights Of OND'23 Quarter

The following are the main patterns in the port and transit container handling performance for OND'23 quarter:

I. Mundra port performance in Import Cycle has been improved by 26.9% (Dwell Time: From 38.7 hrs. in JAS'23 to 28.3 hrs. in OND'23).
II. Chennai port performance in Import Cycle has been reduced by 14.4% (Dwell Time: From 43.1 hrs. in JAS'23 to 49.3 hrs. in OND'23).
III. Ennore port performance in Import Cycle has been reduced by 43.0% (Dwell Time: From 38.0 hrs. in JAS'23 to 54.4 hrs. in OND'23)
IV. Kochi port performance in Import Cycle has been improved by 13.6% (Dwell Time: From 40.5 hrs. in JAS'23 to 35.0 hrs. in OND'23).
V. Tuticorin port performance in Export Cycle has been reduced by 11.2% (Dwell Time: From 50.9 hrs. in JAS'23 to 56.6 hrs. in OND'23).
VI. Krishnapatnam port performance in Import Cycle has been improved by 45.9% (Dwell Time: From 64.0 hrs. in JAS'23 to 34.6 hrs. in OND'23).
VII. Visakhapatnam port performance in Import Cycle has been improved by 25.1% (Dwell Time: From 70.8 hrs. in JAS'23 to 53.0 hrs. in OND'23).
VIII. Kolkata port performance in Export Cycle has been improved by 35.4% (Dwell Time: From 130.9 hrs. in JAS'23 to 84.5 hrs. in OND'23).
IX. Haldia port performance in Import Cycle has been reduced by 22.6% (Dwell Time: From 65.9 hrs. in JAS'23 to 80.8 hrs. in OND'23) and Export Cycle has been reduced by 53.4% (Dwell Time: From 96.7 hrs. in JAS'23 to 148.3 hrs. in OND'23).

Dwell Time Performance (OND'23): PAN India

Western Region

Hazira
Import 27.3 ↑ Export 110.0

Pipavav
Import 67.4 Export 95.1

Paradip
Import - Export 120.9 ↓

Mundra
Import 28.3 Export 101.1 ↑

Nhava Sheva (JNPA)
Import 19.6 Export 68.3

Kandla
Import 50.3 ↓ Export 81.3 ↑

Goa
Import Export

Tuticorin
Import 21.2 Export 56.6 ↓

Kochi
Import 35.0 Export 81.5 ↑

New Mangalore
Import 68.3 Export 87.5 ↑

Krishnapatnam
Import 34.6 ↑ Export 60.5 ↑

Kattupalli
Import 71.6 ↓ Export 84.2 ↓

Southern Region

Eastern Region

Kolkata
Import 39.7 Export 84.5 ↑

Visakhapatnam
Import 53.0 ↑ Export 85.0

Haldia
Import 80.8 ↓ Export 148.3 ↓

Chennai
Import 49.3 ↓ Export 81.7

Ennore
Import 54.4 ↓ Export 92.6

↑ ↓ The marked entries showcase +/- 10% or above change from JAS'23

All values are in hours.

Note: Goa Port has zero number of boxes, Paradip Port has zero import number of boxes. Haldia Port export data has discrepancy, NMPA is 100% DPD & DPE

Dwell time includes the free time at port

Region-wise Dwell Time Performance Summary

Western Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
JAS'23	26.1	84.6
OND'23	23.7	84.7
OND'22	24.5	83.4
OADT	24.3	85.3
QADT	22.2	83.1

Southern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
JAS'23	39.9	79.2
OND'23	47.9	79.7
OND'22	38.1	77.7
OADT	49.2	74.8
QADT	40.7	79.4

Eastern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
JAS'23	52.7	100.3
OND'23	46.8	87.0
OND'22	46.4	84.9
OADT	45.5	96.7
QADT	40.9	92.4

OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

Port Dwell Time (Import Cycle)

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	OND'22 (in hrs)	OADT (in hrs)	QADT (in hrs)
Western Region	**26.1**	**23.7**	**24.5**	**24.3**	**22.2**
JNPA	19.0	19.6	20.8	20.9	19.3
Mundra	38.7	28.3	28.0	26.8	24.6
Pipavav	70.4	67.4	49.3	56.0	69.3
Kandla	38.1	50.3	45.4	45.6	46.3
Hazira	41.0	27.3	28.3	34.1	28.2
Southern Region	**39.9**	**47.9**	**38.1**	**49.2**	**40.7**
Chennai	43.1	49.3	39.2	42.3	43.5
Kochi	40.5	35.0	38.0	46.3	37.7
Kattupalli	43.4	71.6	49.8	53.5	55.4
Tuticorin	19.8	21.2	20.5	20.5	18.3
Krishnapatnam	64.0	34.6	36.6	62.8	51.9
Ennore	38.0	54.4	38.2	54.7	52.3
New Mangalore	95.8	68.3	79.1	88.3	68.8
Eastern Region	**52.7**	**46.8**	**46.4**	**45.5**	**40.9**
Vizag	70.8	53.0	54.3	55.3	48.8
Kolkata	37.1	39.7	36.6	33.2	32.1
Haldia	65.9	80.8	88.0	87.7	80.2

OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

Port Dwell Time (Export Cycle)

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	OND'22 (in hrs)	OADT (in hrs)	QADT (in hrs)
Western Region	**84.6**	**84.7**	**83.4**	**85.3**	**83.1**
JNPA	71.4	68.3	69.1	69.1	67.0
Mundra	98.8	101.1	100.5	108.6	101.9
Pipavav	102.9	95.1	110.5	126.6	120.0
Kandla	94.7	81.3	117.5	65.3	63.5
Hazira	100.7	110.0	111.5	110.7	108.5
Southern Region	**79.2**	**79.7**	**77.7**	**74.8**	**79.4**
Chennai	85.6	81.7	83.6	85.1	83.7
Kochi	80.5	81.5	75.3	83.7	83.6
Kattupalli	80.6	84.2	84.6	76.5	75.1
Tuticorin	50.9	56.6	54.8	62.6	61.1
Krishnapatnam	62.0	60.5	61.4	63.2	59.7
Ennore	91.9	92.6	98.7	70.1	80.5
New Mangalore	88.6	87.5	67.6	105.2	98.0
Eastern Region	**100.3**	**87.0**	**84.9**	**96.7**	**92.4**
Vizag	87.4	85.0	72.7	85.6	85.2
Kolkata	130.9	84.5	95.8	109.5	99.2
Haldia	96.7	148.3	96.0	110.1	105.9

OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

CFS/ ICD Dwell Time (Import Cycle)

	JAS'23 (in hrs)	OND'23 (in hrs)	OND'22 (in hrs)	OADT (in hrs)	QADT (in hrs)
CFS					
Western Region	**93.9**	**94.7**	**88.8**	**90.0**	**91.3**
JNPA	85.1	88.9	80.1	83.9	85.2
Mundra	101.3	102.9	100.4	98.1	100.0
Pipavav	86.0	81.3	81.8	85.0	90.5
Hazira	108.0	91.8	102.7	104.8	96.8
Southern Region	**102.6**	**110.1**	**118.9**	**112.3**	**114.1**
Chennai, Ennore, Kattupalli	95.1	104.2	113.0	105.0	109.2
Kochi	129.0	130.8	117.0	121.0	115.8
Tuticorin	139.0	136.9	148.1	143.1	136.8
Krishnapatnam	125.0	103.7	133.5	123.6	124.4
Eastern Region	**141.5**	**146.6**	**140.3**	**135.4**	**139.5**
Vizag	156.6	168.2	168.6	156.1	157.5
Kolkata	137.0	141.6	134.1	129.2	135.4
Haldia	121.1	131.0	122.5	123.6	130.7
ICD					
Western Region	**128.8**	**134.9**	**136.8**	**133.3**	**132.1**

OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past three year's average of same quarter

CFS/ ICD Dwell Time (Export Cycle)

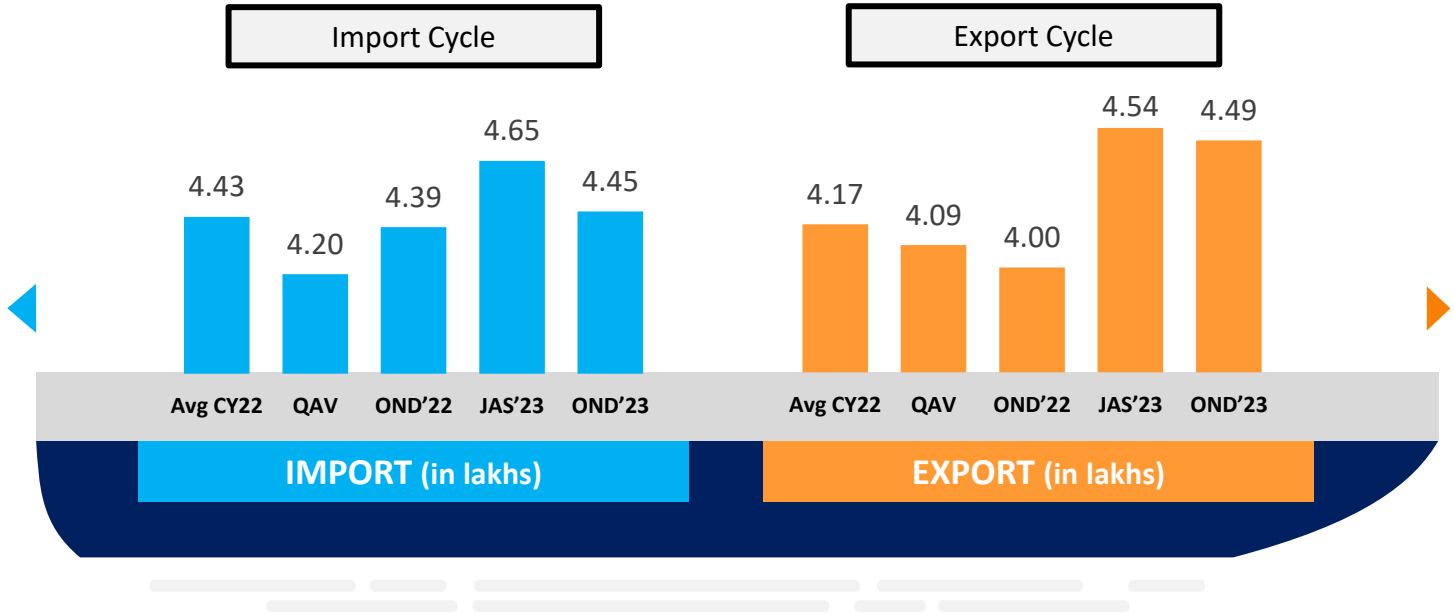
		JAS'23 (in hrs)	OND'23 (in hrs)	OND'22 (in hrs)	OADT (in hrs)	QADT (in hrs)
CFS	**Western Region**	**59.7**	**59.2**	**68.1**	**77.5**	**69.8**
	JNPA	71.1	69.0	79.9	87.7	79.8
	Mundra	43.9	46.4	52.9	56.5	53.7
	Pipavav	64.0	66.4	56.1	68.4	75.1
	Hazira	69.9	80.1	58.4	79.9	72.5
	Southern Region	**64.1**	**54.4**	**45.6**	**59.4**	**55.1**
	Chennai, Ennore, Kattupalli	68.4	58.8	51.8	67.5	60.9
	Kochi	52.3	50.0	29.9	38.6	40.4
	Tuticorin	43.7	52.9	25.9	30.0	39.3
	Krishnapatnam	132.0	85.4	96.5	95.2	90.6
	Eastern Region	**116.5**	**104.6**	**112.9**	**114.1**	**106.5**
	Vizag	118.3	95.4	117.8	120.7	105.6
	Kolkata	99.5	129.1	104.7	105.5	111.3
	Haldia	155.8	203.0	72.2	116.8	126.7
ICD	**Western Region**	**102.5**	**104.0**	**86.0**	**100.6**	**97.5**

OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past three year's average of same quarter

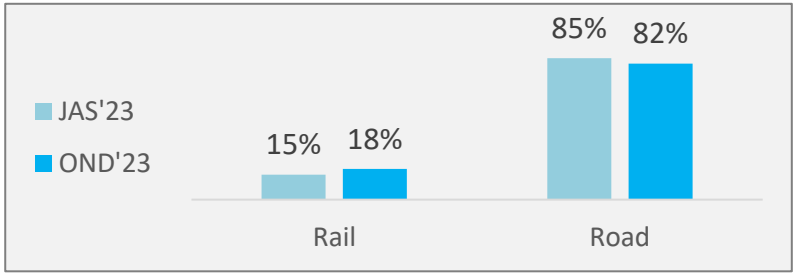
Container Count: PAN India

Container count analysis showcase the number of boxes in various time period:

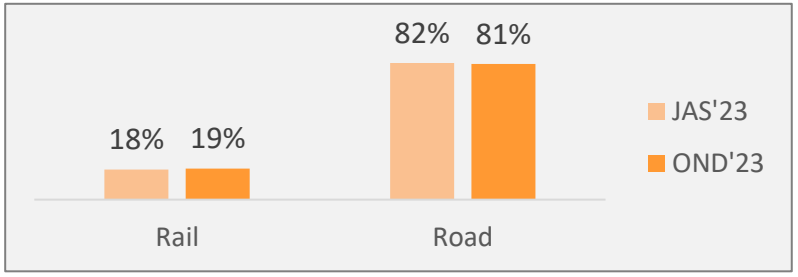
PAN India



Import (Mode-wise)



Export (Mode-wise)



Avg CY22 – Avg from Jan'22 to Dec'22
QAV – Past five year's similar quarter average of the boxes

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

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

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

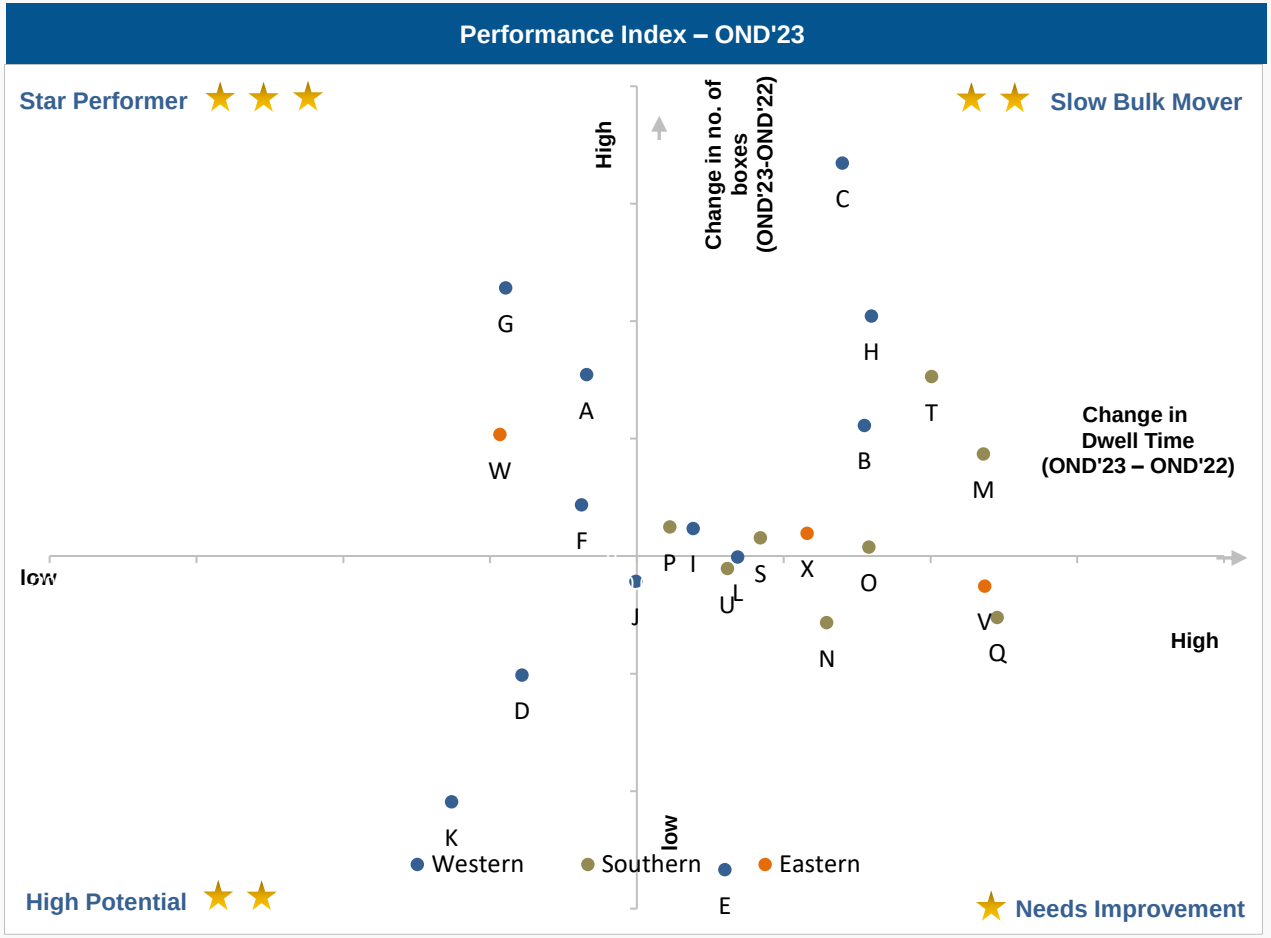
High Potential ★★
Consist of entities which have catered relatively lower container number of boxes in lower dwell time

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 same quarter): 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 month as compared to the same month previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.



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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

X-axis
Change in Dwell time in OND'23 w.r.t. Previous year same quarter (OND'22)

Y-axis
Change in no. of boxes in OND'23 w.r.t. Previous year same quarter (OND'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
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)
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R	NMPT, New Mangalore
S	Adani Ennore Container Terminal
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	NMPT, New Mangalore

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

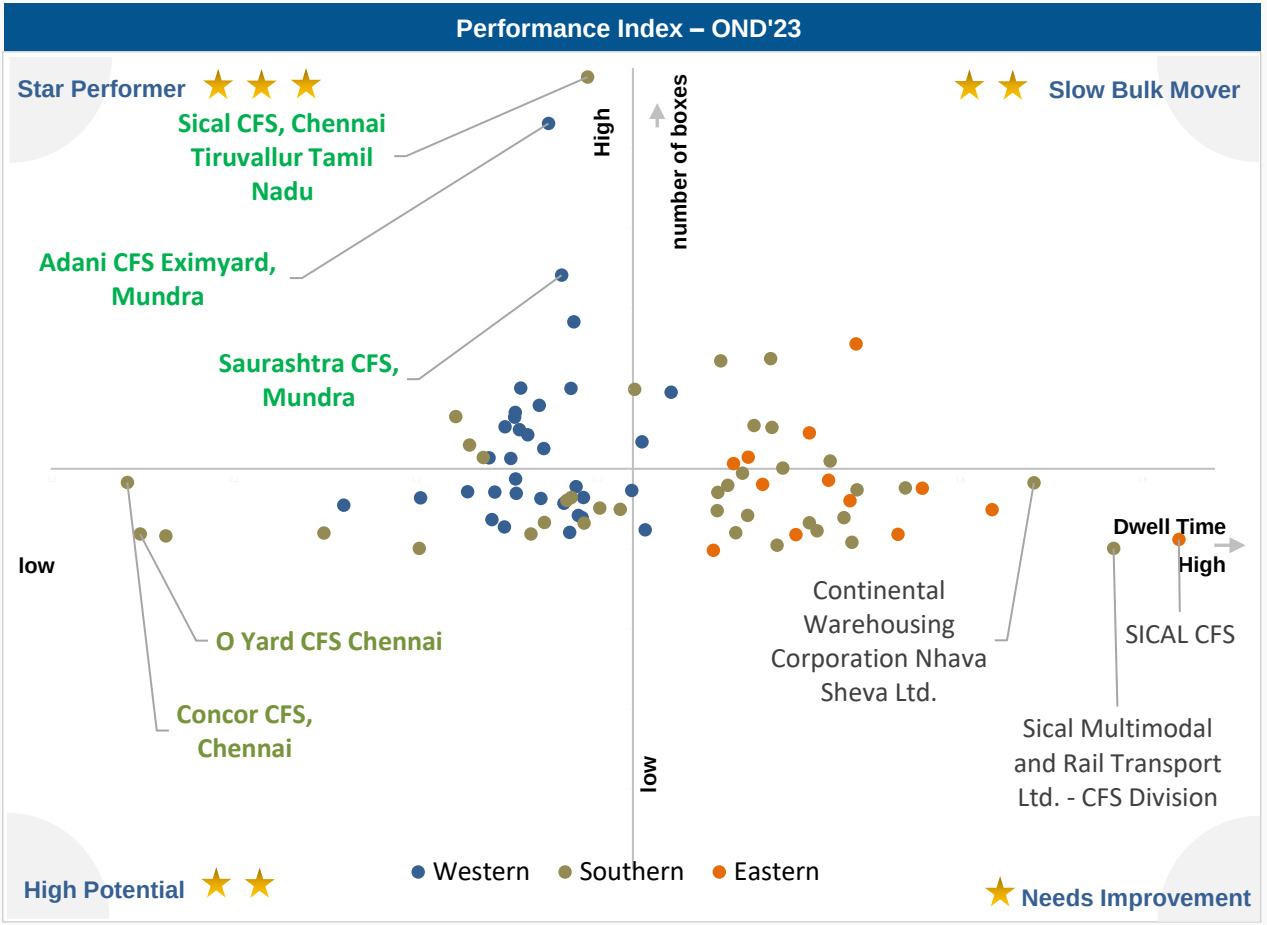
CFS Performance Benchmarking: PAN India

Top Performing CFS

Sical CFS, Chennai Tiruvallur Tamil Nadu
Adani CFS Eximyard, Mundra
Saurashtra CFS, Mundra

High Potential CFS

Concor CFS, Chennai
O Yard CFS Chennai



Low Performing CFS

Continental Warehousing Corporation Nhava Sheva Ltd.
Sical Multimodal and Rail Transport Ltd. - CFS Division
SICAL CFS

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

NLDS
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Logistics Redefined

02
WESTERN REGION PERFORMANCE

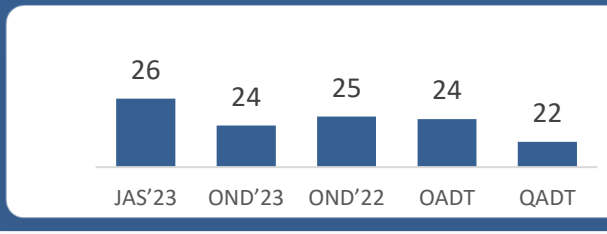

NITIN JAIRAM GADKARI
MINISTER, ROAD TRANSPORT AND HIGHWAYS
PRIME MINISTER
PIYUSH GOYAL
MINISTER, COMMERCE & INDUSTRY, CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION AND TEXTILES


PM GatiShakti
National Master Plan for Multi-Modal connectivity
Launch of

Dwell Time Performance: Western Region

Western Region

IMPORT



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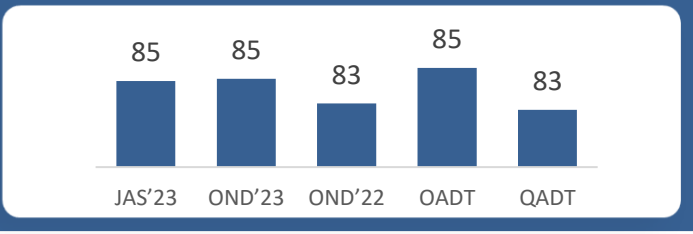
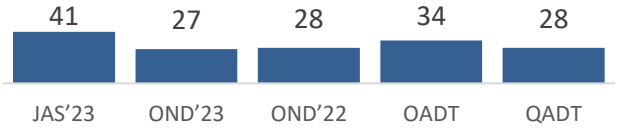
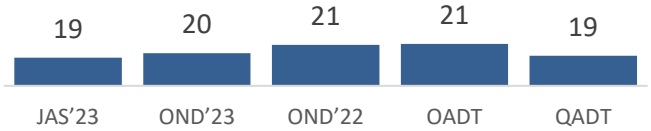


IMPORT

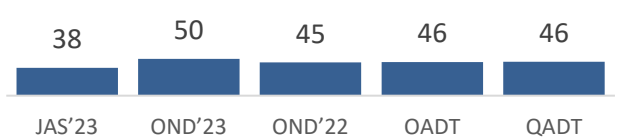
Hazira



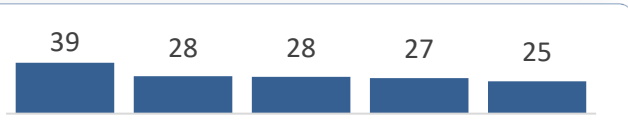
JNPA



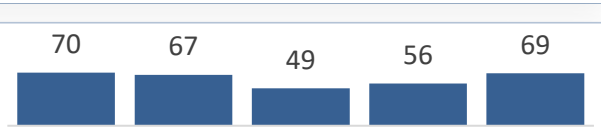
Kandla



Mundra

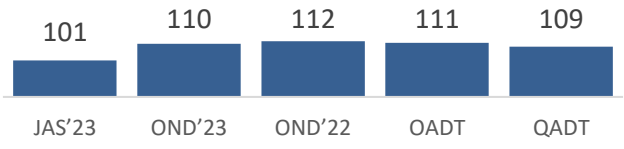


Pipavav

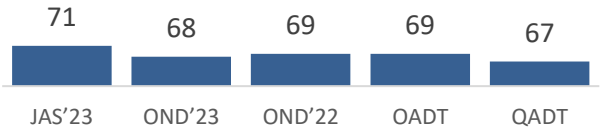


EXPORT

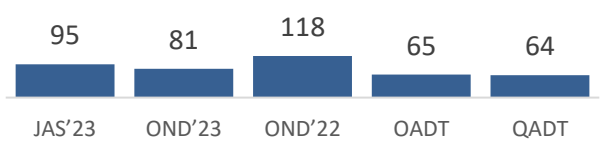
Hazira



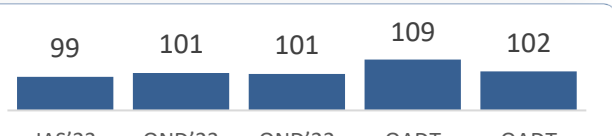
JNPA



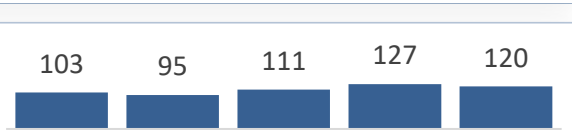
Kandla



Mundra



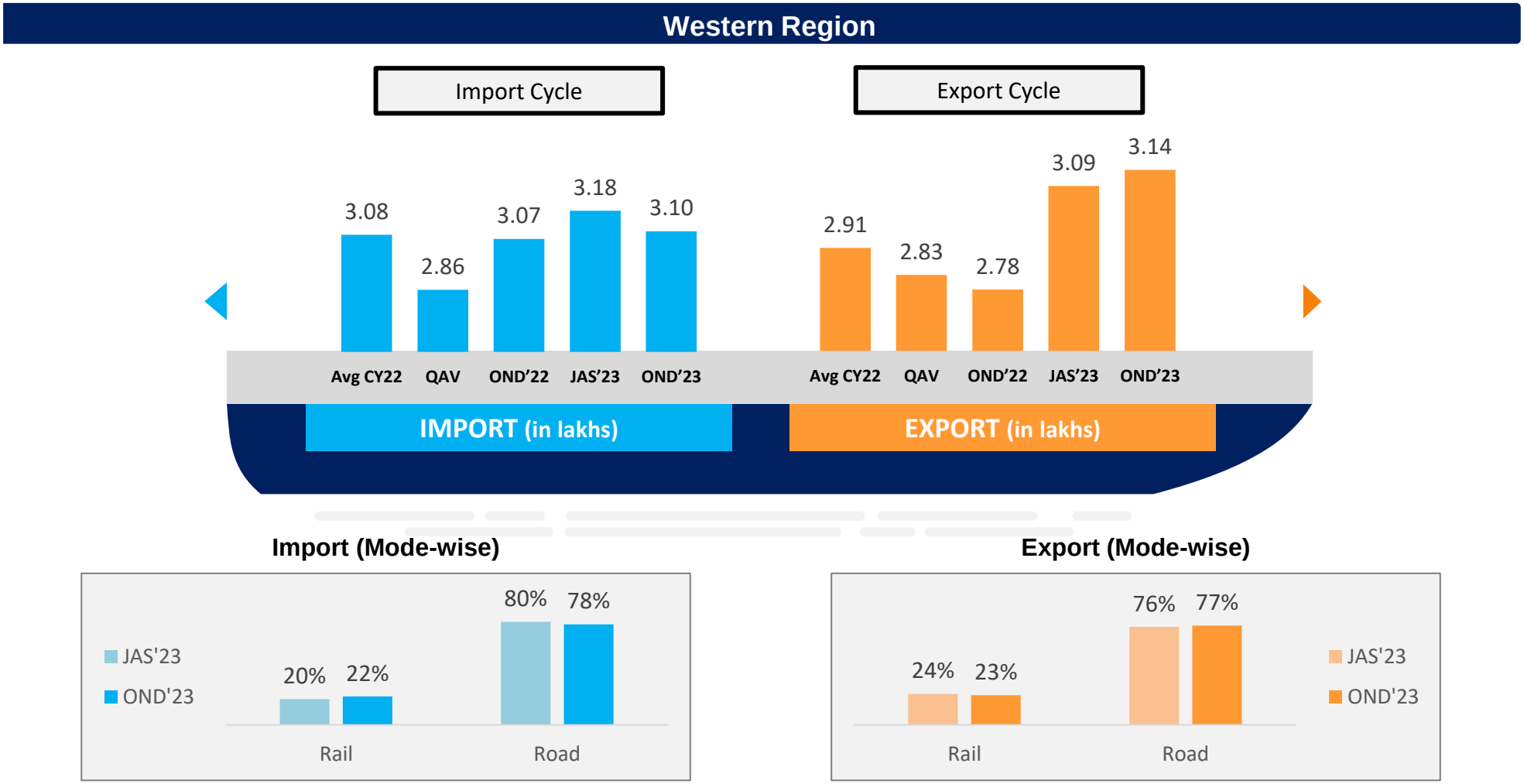
Pipavav



OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

Container Count: Western Region

Container count analysis showcase the number of boxes in various time period:



Avg CY22 – Avg from Jan'22 to Dec'22
QAV – Past five year's similar quarter average of the boxes

Container Transportation: Western Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	62.0	65.8	↓
Truck	21.6	18.8	↑
Overall	**26.1**	**23.7**	↑

CFS/ ICD Dwell Time

CFS/ ICD

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	89.1	89.9	↓
ICD	127.1	133.4	↓

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	111.9	109.5	↑
Truck	80.1	80.3	↓
Overall	**84.6**	**84.7**	↓

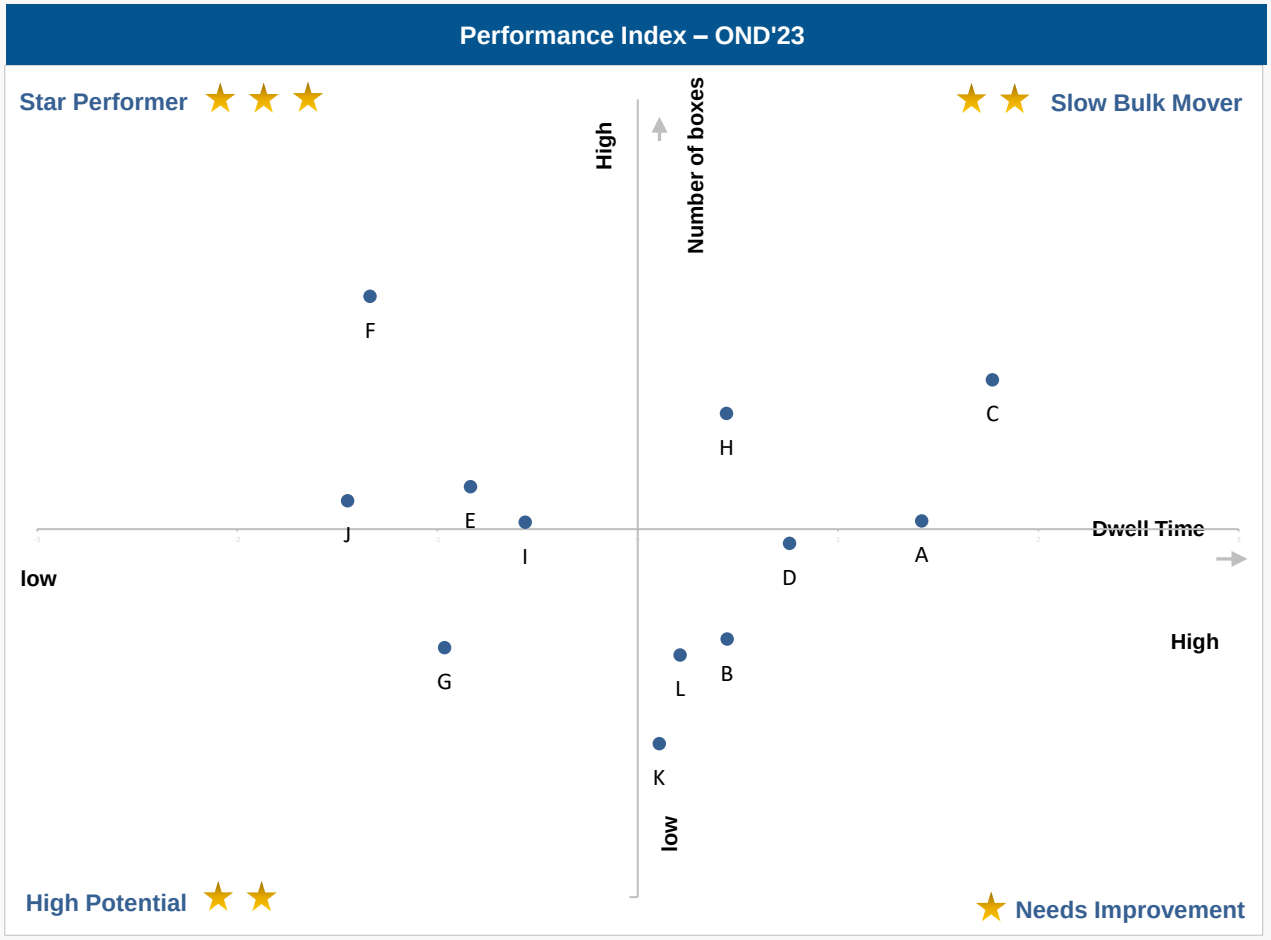
↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

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



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)

Port Individual Performance Comparison (Previous year same quarter): 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 month as compared to the same month previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.

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)

X-axis
Change in Dwell time in OND'23 w.r.t. Previous year same quarter (OND'22)

Y-axis
Change in no. of boxes in OND'23 w.r.t. Previous year same quarter (OND'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.

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)
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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)

X-axis
Relative Port Dwell time

Y-axis
Relative Port TEU capacity

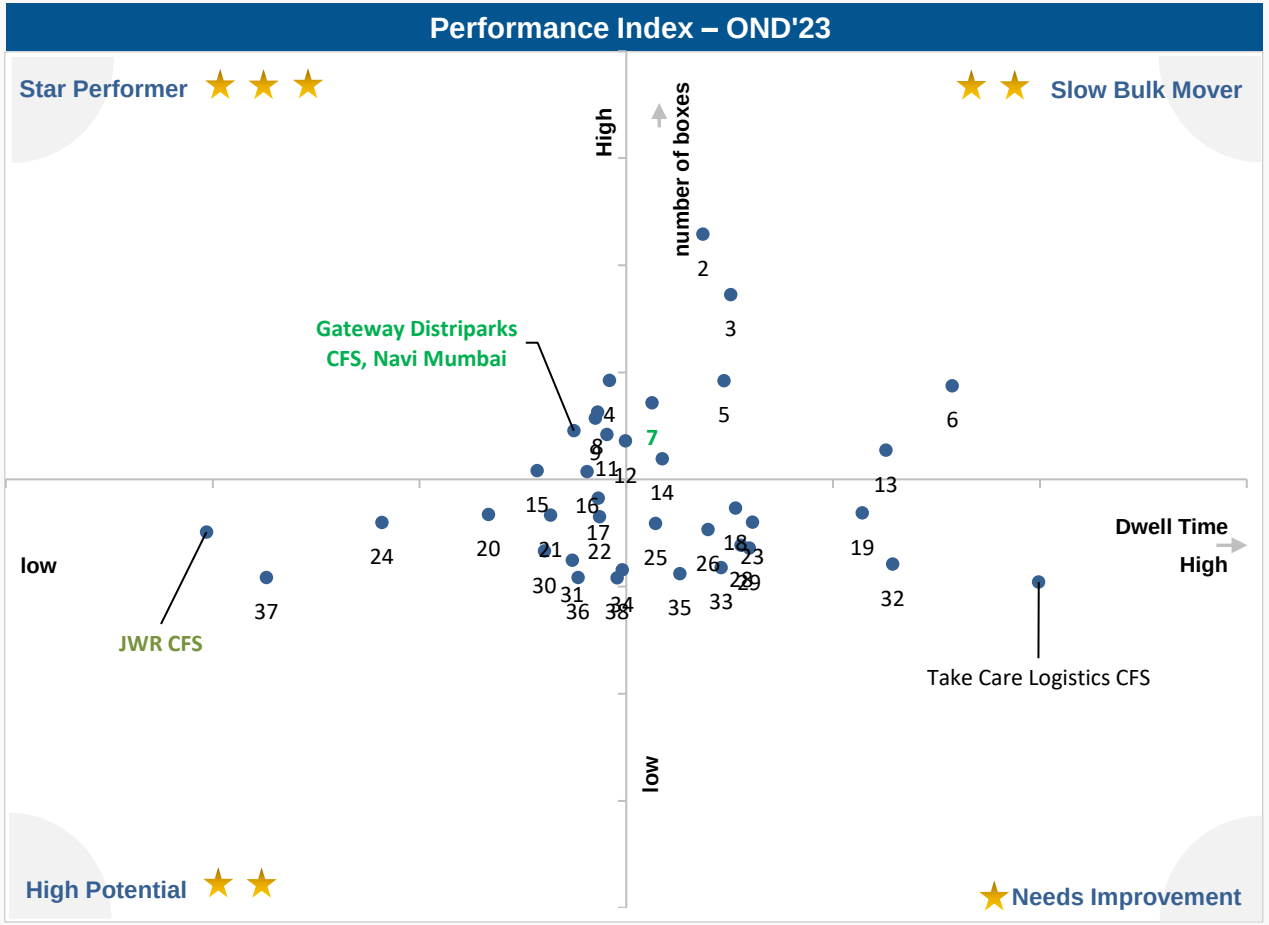
CFS Performance Benchmarking: Western Region

Top Performing CFS

Gateway Distriparks CFS, Navi Mumbai

High Potential CFS

JWR CFS



Low Performing CFS

Take Care Logistics CFS

ICD Performance Benchmarking: Western Region

Top Performing ICD

Continental Warehousing Corporation Nhava Sheva pvt.

High Potential ICD

Gateway Rail Freight Limited ICD

Low Performing ICD

Pegasus Inland Container Depot

Container Transportation: JNPA Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	46.9	56.9	↓
Truck	16.6	16.6	↓
Overall	**19.0**	**19.6**	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	2.49	2.40	↑

CFS/ ICD Dwell Time

CFS/ ICD

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	82.0	85.5	↓
ICD	127.1	133.4	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	4.26	3.97	↑

Port Dwell Time – Export Cycle

EXPORT

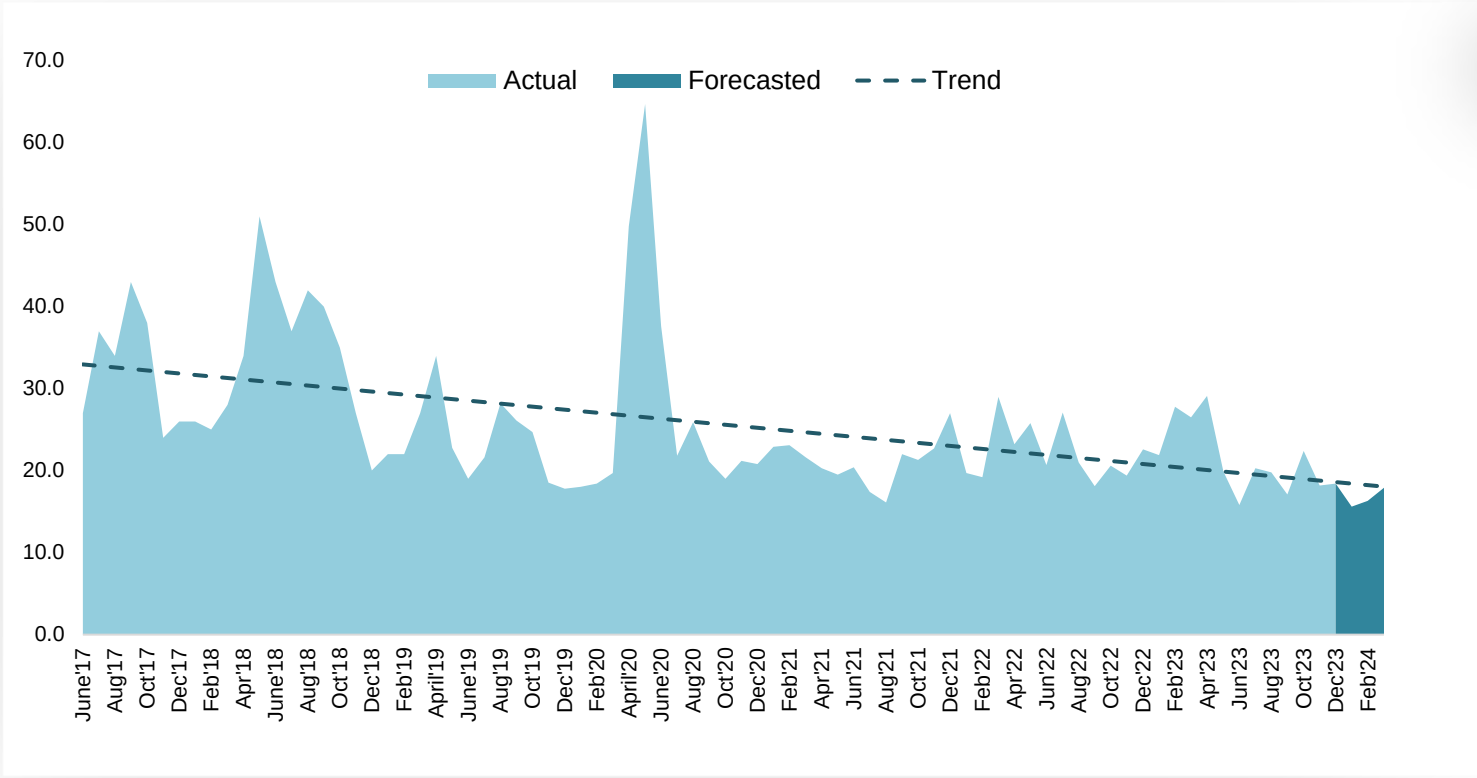
	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	82.3	76.7	↑
Truck	69.8	67.3	↑
Overall	**71.4**	**68.3**	↑

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Predictive Analysis: JNPA Port



Observation

Import Cycle

- JNPA dwell time prediction is based on import dwell time i.e. for import bound containers.
- 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 Mar'24.

	OND'23			JFM'24		
	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24
Actual Dwell Time (in hours)	22.4	18.2	18.4	-	-	-
Forecasted Dwell Time (in hours)	18.5	15.8	16.2	15.6	16.3	17.9

Container Transportation: Mundra Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	81.8	73.2	↑
Truck	29.9	19.6	↑
Overall	**38.7**	**28.3**	↑

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	0.89	0.88	↑

CFS/ ICD Dwell Time

CFS/ ICD

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	95.7	96.2	↓
ICD	127.1	133.4	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	0.66	0.86	↓

Port Dwell Time – Export Cycle

EXPORT

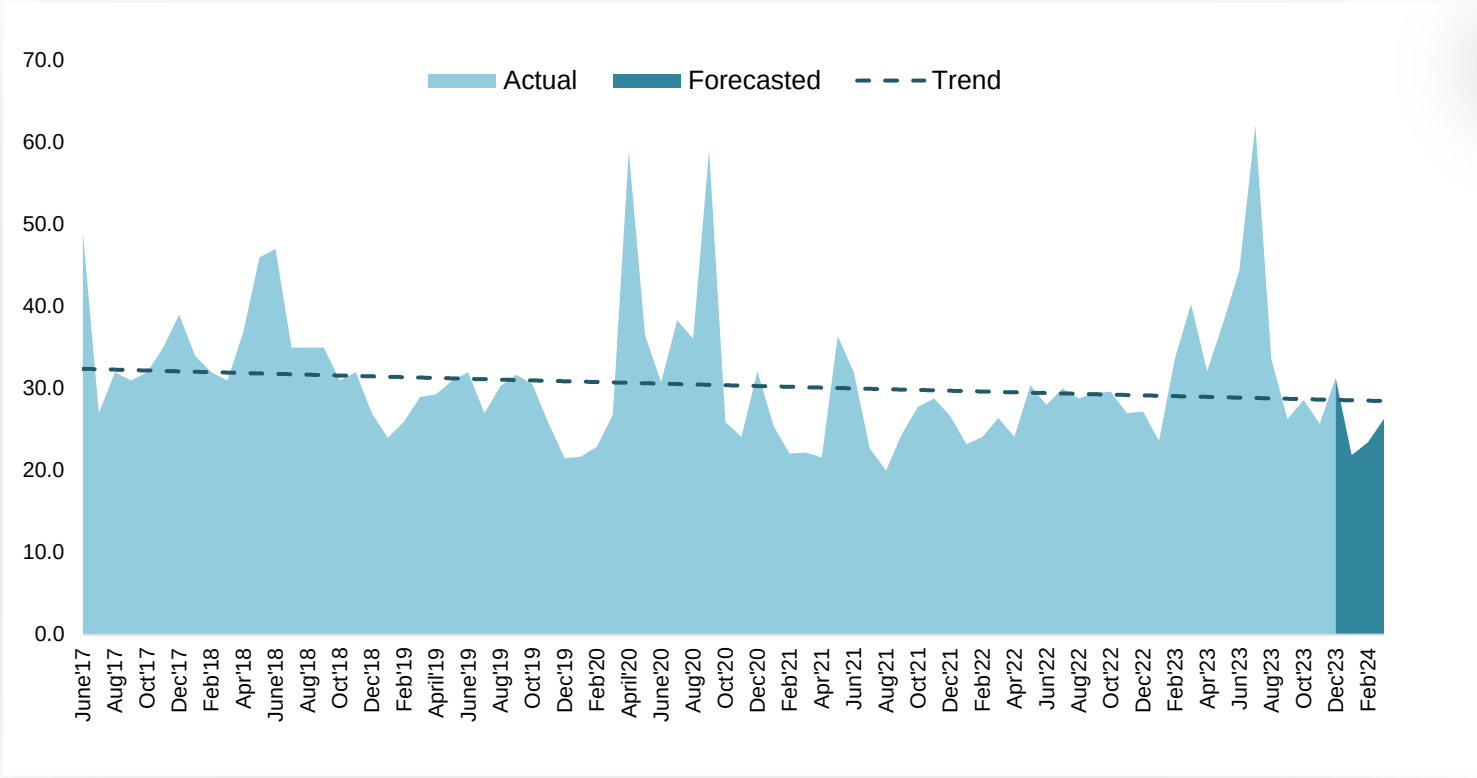
	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	130.3	129.3	↑
Truck	90.7	94.1	↓
Overall	**98.8**	**101.1**	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Predictive Analysis: Mundra Port



Observation

Import Cycle

- Mundra dwell time prediction is based on import dwell time i.e. for import bound containers.
- 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 Mar'24.

	OND'23			JFM'24		
	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24
Actual Dwell Time (in hours)	28.6	25.7	31.3	-	-	-
Forecasted Dwell Time (in hours)	25.1	25.0	25.1	21.9	23.4	26.3

Container Transportation: Pipavav Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	70.4	67.4	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	83.2	74.7	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	102.9	95.1	↑

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Lifecycle (Export Cycle)

Container Transportation: Kandla Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	38.1	50.3	↓

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	94.7	81.3	↑

Port Dwell Time – Export Cycle

Container Lifecycle (Export Cycle)

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Transportation: Hazira Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	41.0	27.3	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	106.5	97.9	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	100.7	110.0	↓

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Lifecycle (Export Cycle)

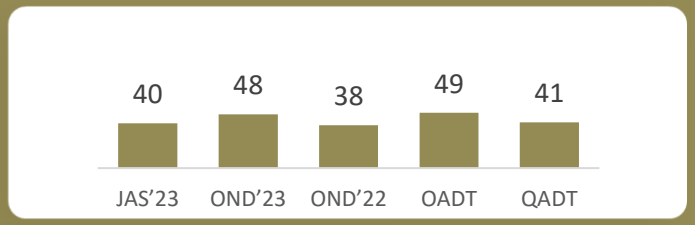
NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

03
SOUTHERN REGION PERFORMANCE

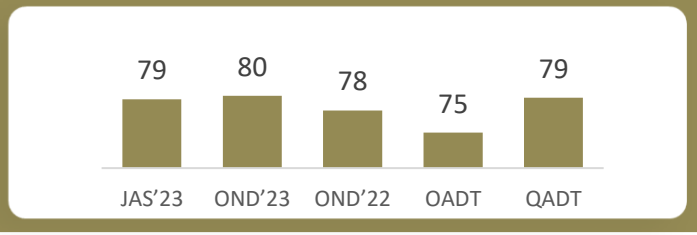
Dwell Time Performance: Southern Region

Southern Region

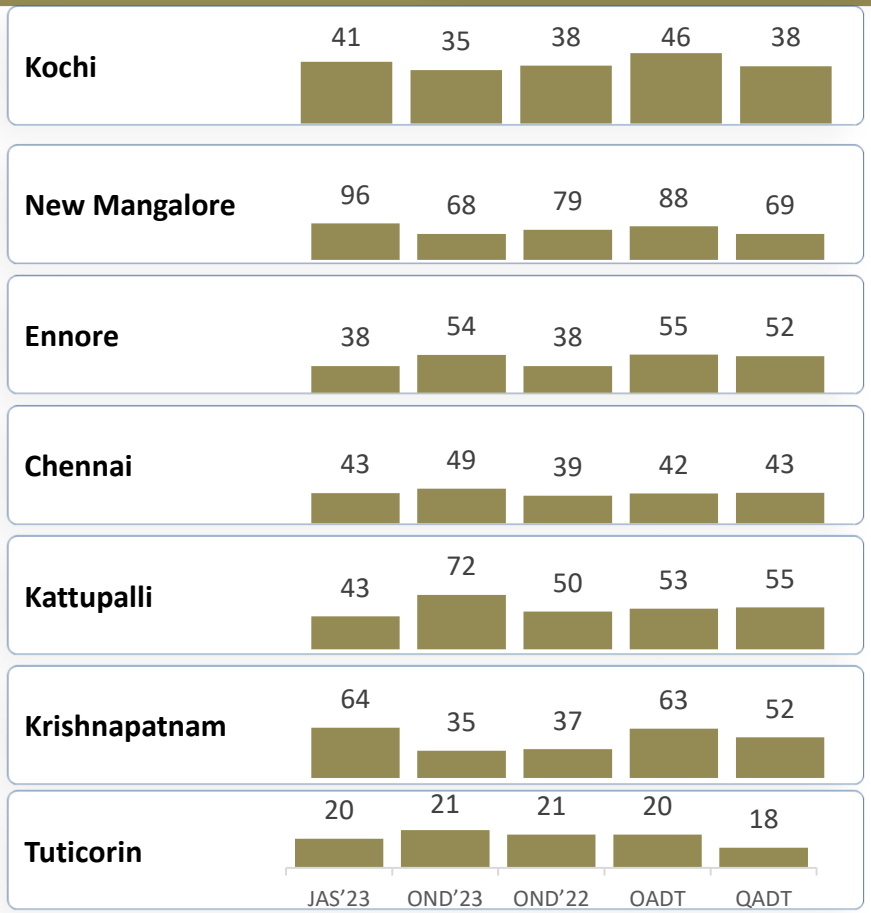
IMPORT



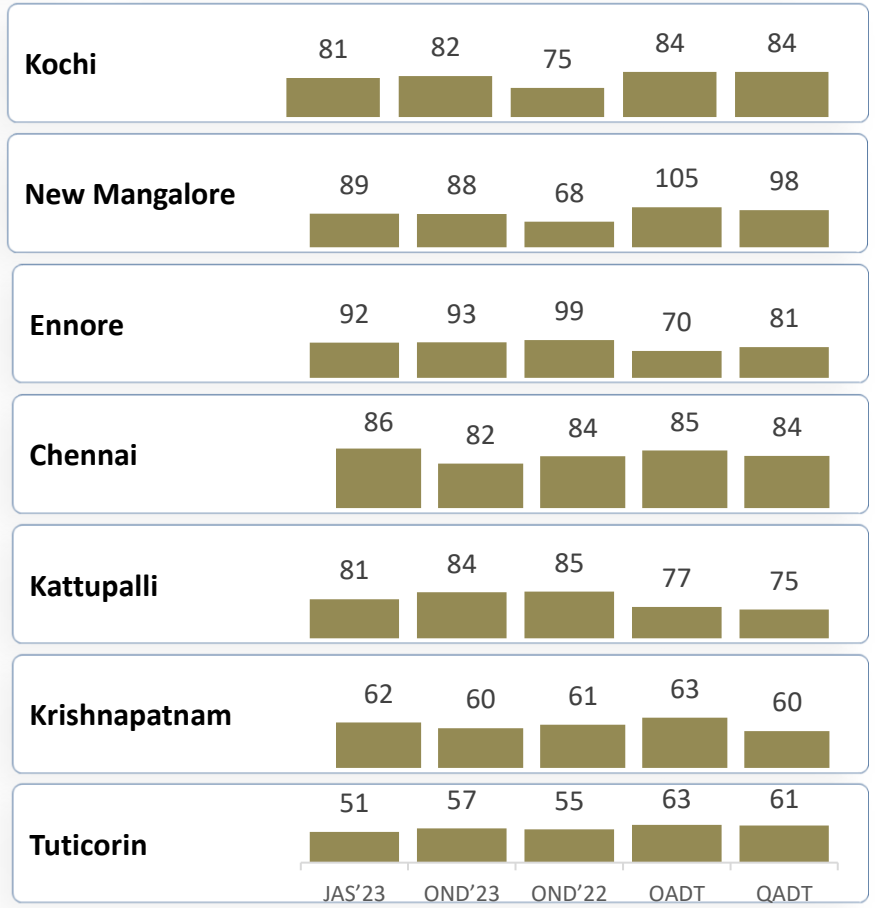
EXPORT



IMPORT



EXPORT

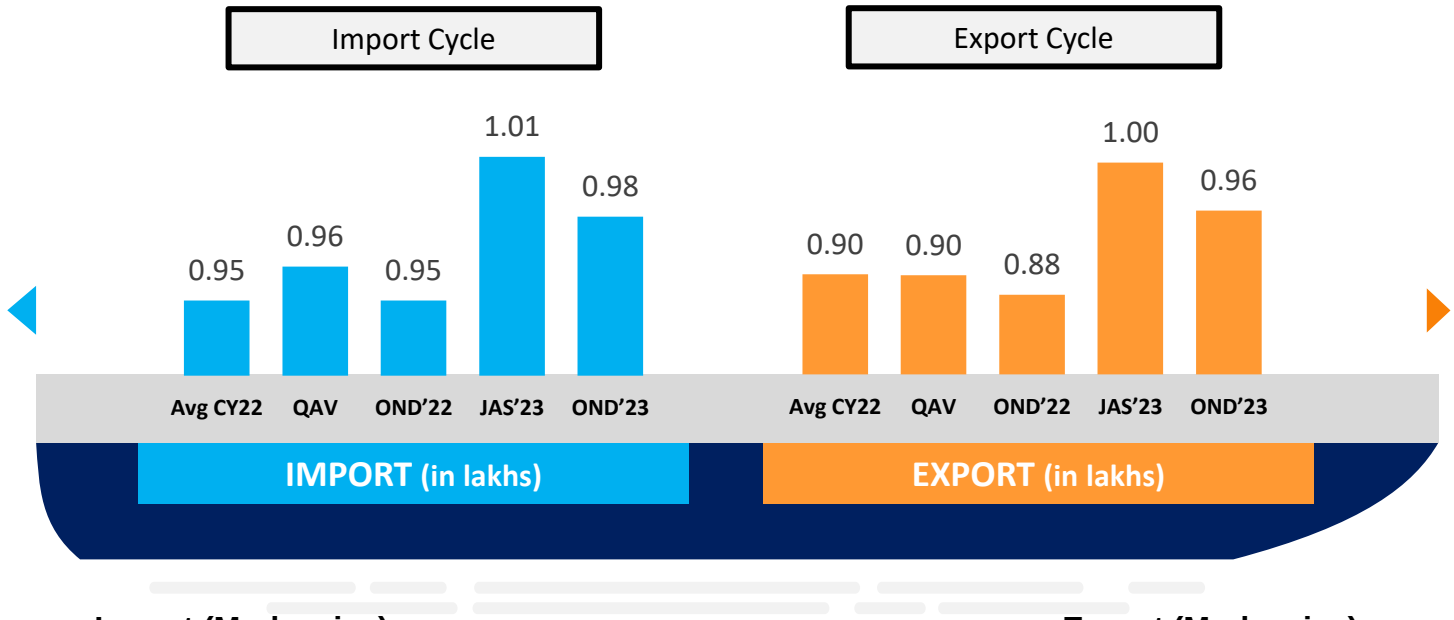


OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

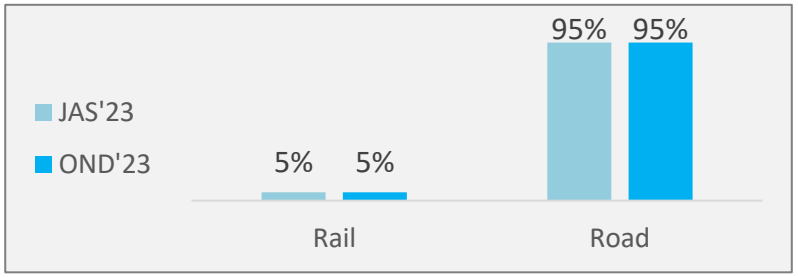
Container Count: Southern Region

Container count analysis showcase the number of boxes in various time period:

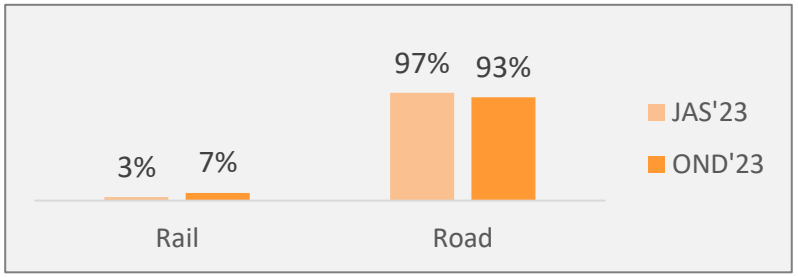
Southern Region



Import (Mode-wise)



Export (Mode-wise)



Avg CY22 – Avg from Jan'22 to Dec'22
QAV – Past five year's similar quarter average of the boxes

Container Transportation: Southern Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	37.4	47.7	↓
Truck	39.8	48.0	↓
Overall	**39.9**	**47.9**	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	104.2	108.7	↓

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	75.6	90.8	↓
Truck	79.5	79.2	↑
Overall	**79.2**	**79.7**	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

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

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 same quarter): 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 month as compared to the same month previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.

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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	New Manglore Port Trust
H	Adani Ennore Container Terminal

X-axis
Change in Dwell time in OND'23 w.r.t. Previous year same quarter (OND'22)

Y-axis
Change in no. of boxes in OND'23 w.r.t. Previous year same quarter (OND'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

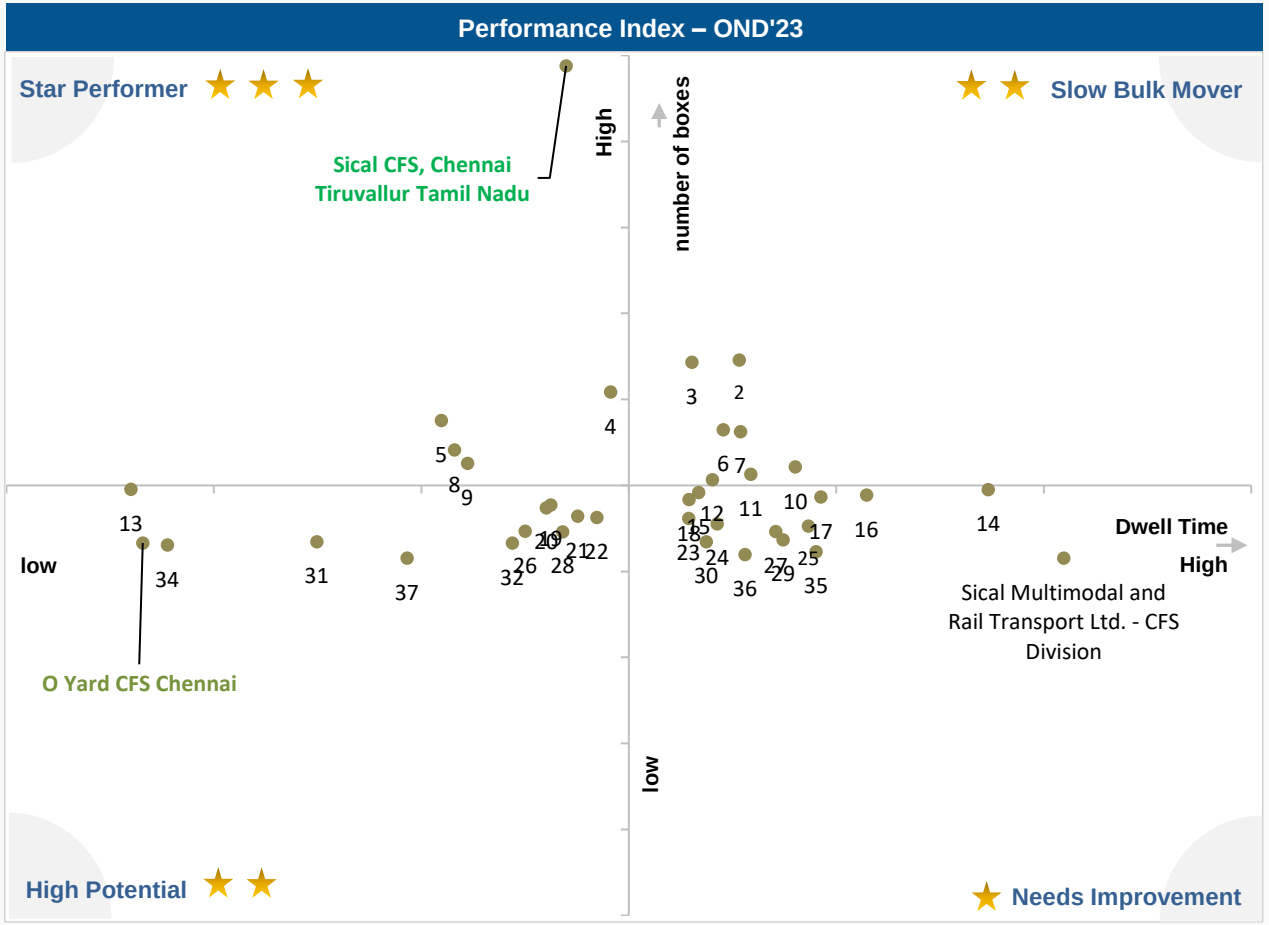
CFS Performance Benchmarking: Southern Region

Top Performing CFS

Sical CFS, Chennai Tiruvallur Tamil Nadu

High Potential CFS

O Yard CFS Chennai



Low Performing CFS

Sical Multimodal and Rail Transport Ltd. - CFS Division

Container Transportation: Chennai Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	41.1	24.1	↑
Truck	43.3	50.0	↓
Overall	**43.1**	**49.3**	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	2.81	3.01	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	95.4	102.6	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	8.31	6.92	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	67.3	111.2	↓
Truck	86.8	81.3	↑
Overall	**85.6**	**81.7**	↑

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Lifecycle (Export Cycle)

Container Transportation: Kochi Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	40.5	35.0	↑

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	0.09	0.11	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	121.4	124.2	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	1.01	0.93	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	80.5	81.5	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Kattupalli Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	43.4	71.6	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	2.52	2.82	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	95.4	102.6	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)
CFS to Port	2.36	-

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	80.6	84.2	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Tuticorin Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	19.8	21.2	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	1.79	1.81	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	143.4	137.0	↑

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	1.35	1.53	↓

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	50.9	56.6	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Krishnapatnam Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	64.0	34.6	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	129.8	114.7	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	62.0	60.5	↑

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Ennore Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	22.9	24.2	↓
Truck	38.6	55.6	↓
Overall	**38.0**	**54.4**	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	95.4	102.6	↓

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	104.9	95.7	↑
Truck	91.5	92.4	↓
Overall	**91.9**	**92.6**	↓

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Lifecycle (Export Cycle)

Container Transportation: New Mangalore Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	95.8	68.3	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	88.6	87.5	↑

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

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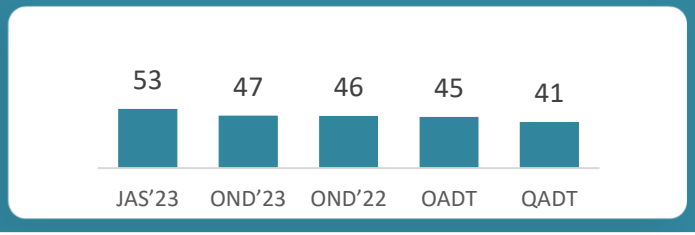
04
EASTERN REGION PERFORMANCE

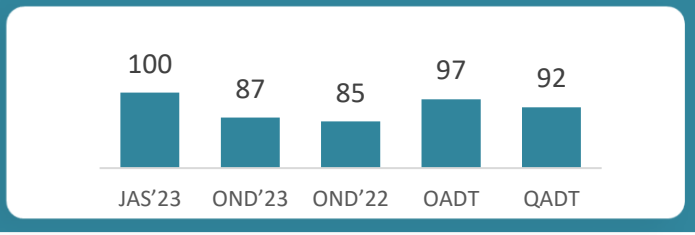
Dwell Time Performance: Eastern Region

Eastern Region

IMPORT

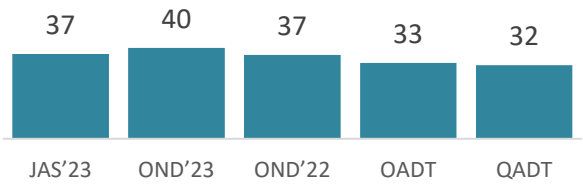


EXPORT

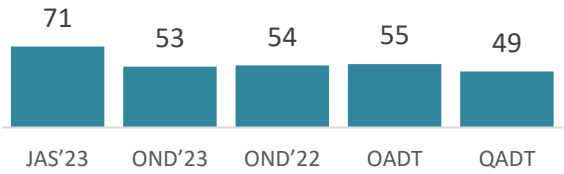


IMPORT

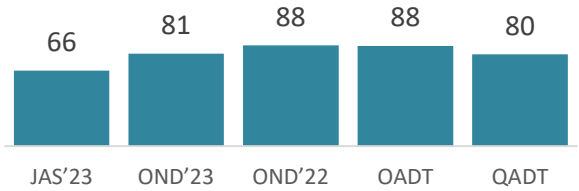
Kolkata



Vishakhapatnam

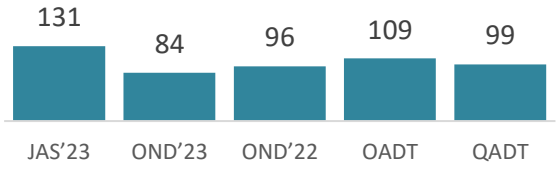


Haldia

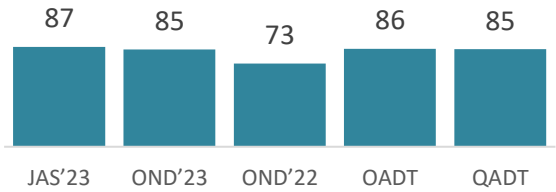


EXPORT

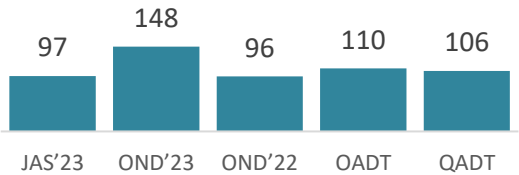
Kolkata



Visakhapatnam



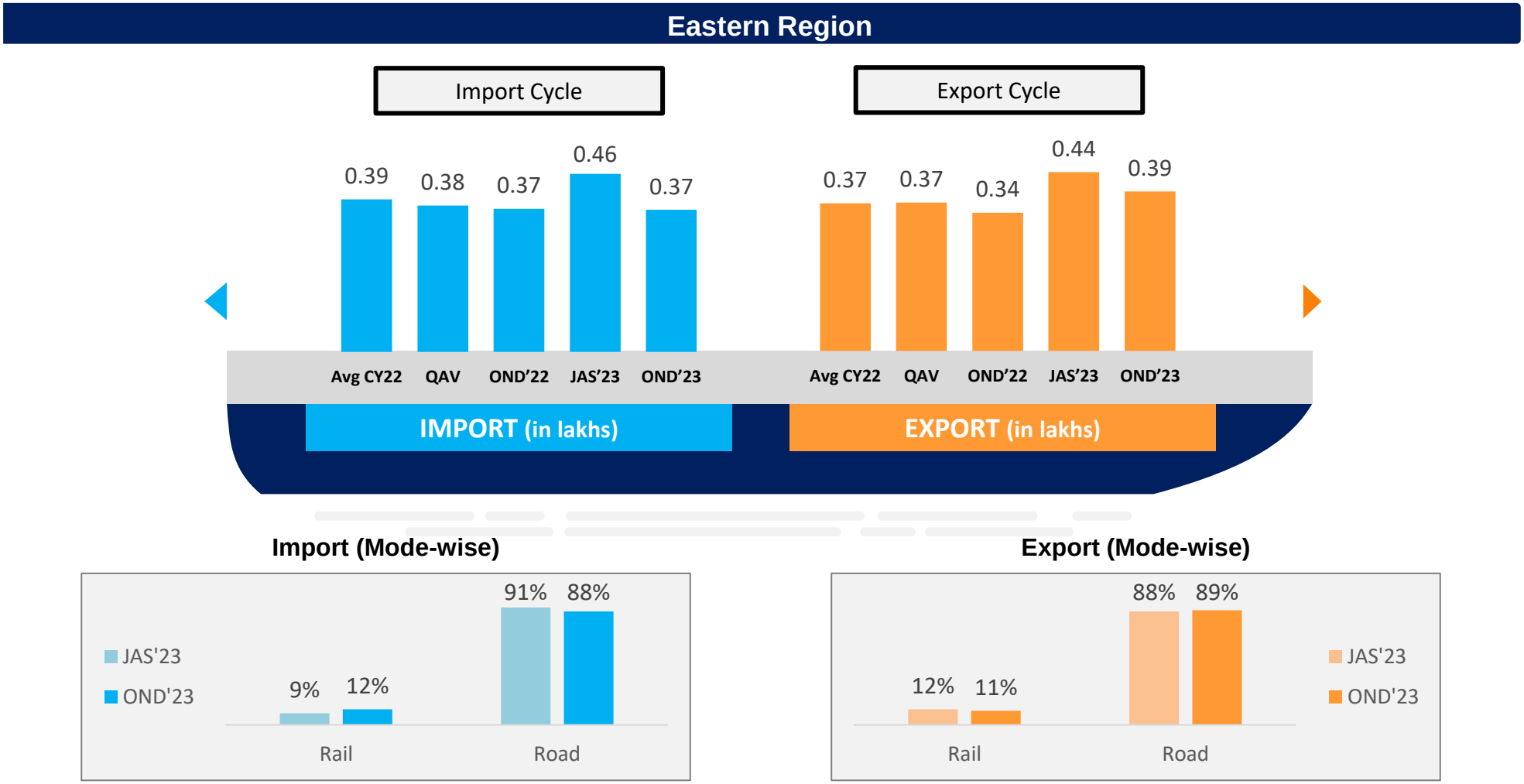
Haldia



OADT – Overall Avg Dwell Time: Overall average since inception
QADT – Quarterly Avg Dwell Time: Past five year's average of same quarter

Container Count: Eastern Region

Container count analysis showcase the number of boxes in various time period:



Avg CY22 – Avg from Jan'22 to Dec'22
QAV – Past five year's similar quarter average of the boxes

Container Transportation: Eastern Region

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	167.7	205.9	↓
Truck	48.2	41.4	↑
Overall	**52.7**	**46.8**	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	139.4	144.0	↓

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Train	106.7	102.8	↑
Truck	99.6	85.1	↑
Overall	**100.3**	**87.0**	↑

↑ **The marked entries showcase increase in performance in comparison to JAS'23**

↓ **The marked entries showcase decrease in performance in comparison to JAS'23**

Container Lifecycle (Export Cycle)

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 same quarter): 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 month as compared to the same month previous year. The analysis is to understand the extend of improvement individual terminals have done over the course of time.

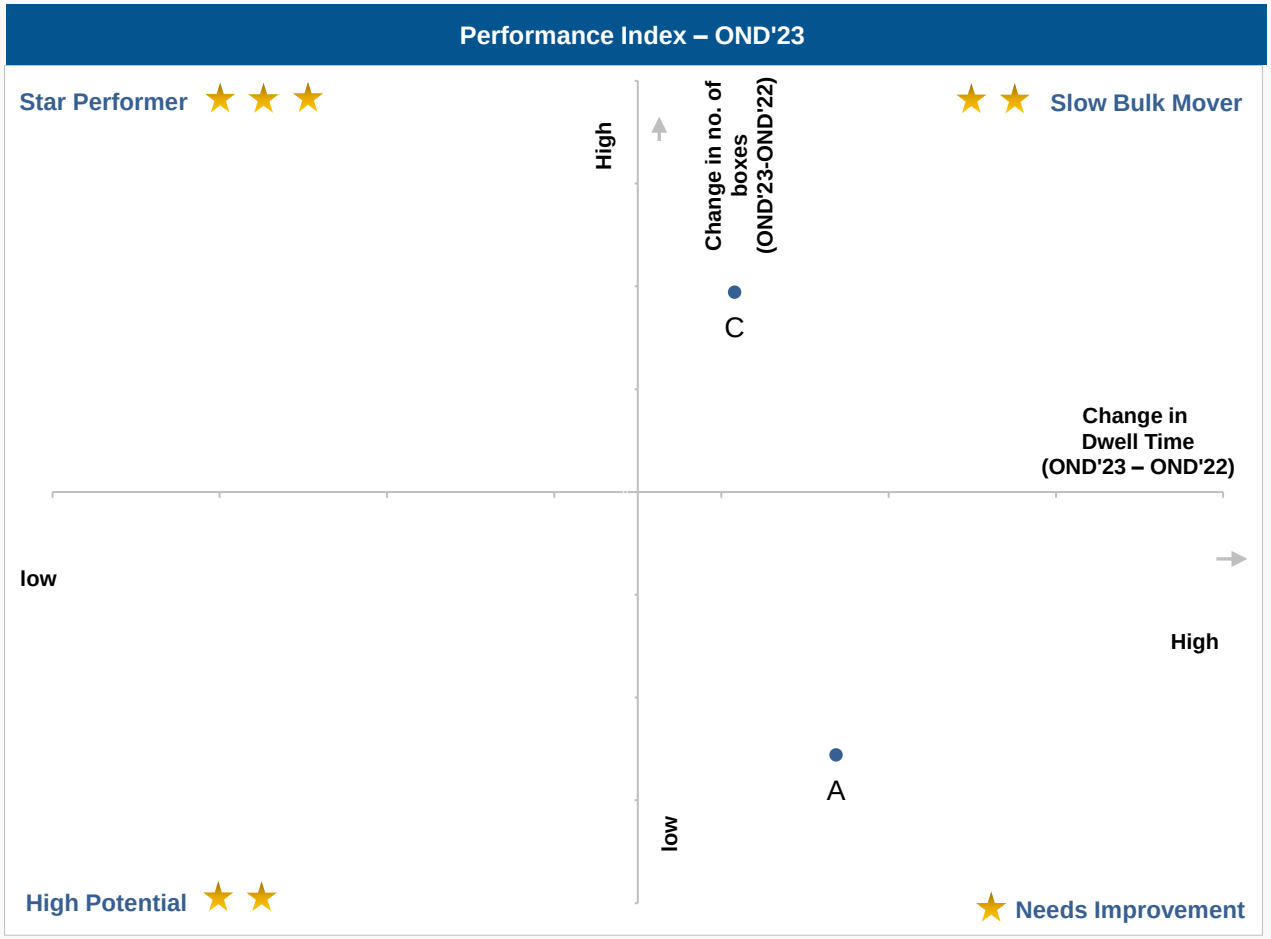


Abb.	Name of Terminal
A	Haldia International Container Terminal (HICT)
B	Kolkata Dock System (KDS) , Kolkata Port
C	Visakha Container Terminal

X-axis
Change in Dwell time in OND'23 w.r.t. Previous year same quarter (OND'22)

Y-axis
Change in no. of boxes in OND'23 w.r.t. Previous year same quarter (OND'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

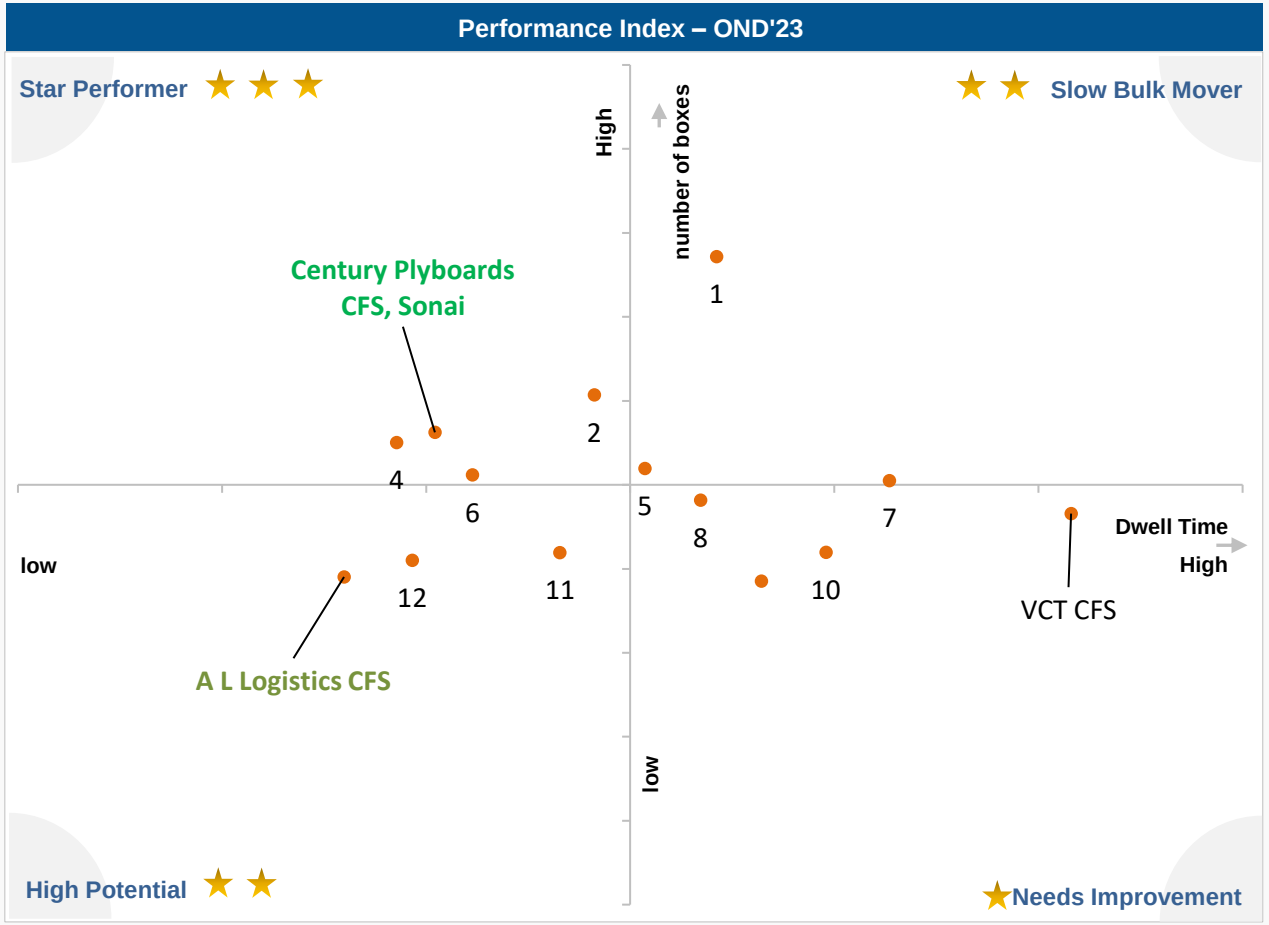
CFS Performance Benchmarking: Eastern Region

Top Performing CFS

Century Plyboards CFS, Sonai

High Potential CFS

A L Logistics CFS



Low Performing CFS

VCT CFS

Container Transportation: Visakhapatnam Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	70.8	53.0	↑

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	2.22	1.79	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	148.9	157.4	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	2.38	2.05	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	87.4	85.0	↑

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Kolkata Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	37.1	39.7	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	1.28	1.27	↑

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	135.9	141.0	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS to Port	0.97	0.97	↑

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	130.9	84.5	↑

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

Container Transportation: Haldia Port

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	65.9	80.8	↓

Transit Time – Import Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Port to CFS	3.00	3.07	↓

CFS Dwell Time

CFS

	JAS'23 (in hrs)	OND'23 (in hrs)	
CFS	123.8	128.5	↓

Transit Time – Export Cycle

IMPORT

	JAS'23 (in hrs)	OND'23 (in hrs)
CFS to Port	-	-

Port Dwell Time – Export Cycle

EXPORT

	JAS'23 (in hrs)	OND'23 (in hrs)	
Overall	96.7	148.3	↓

↑ The marked entries showcase increase in performance in comparison to JAS'23

↓ The marked entries showcase decrease in performance in comparison to JAS'23

Container Lifecycle (Export Cycle)

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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

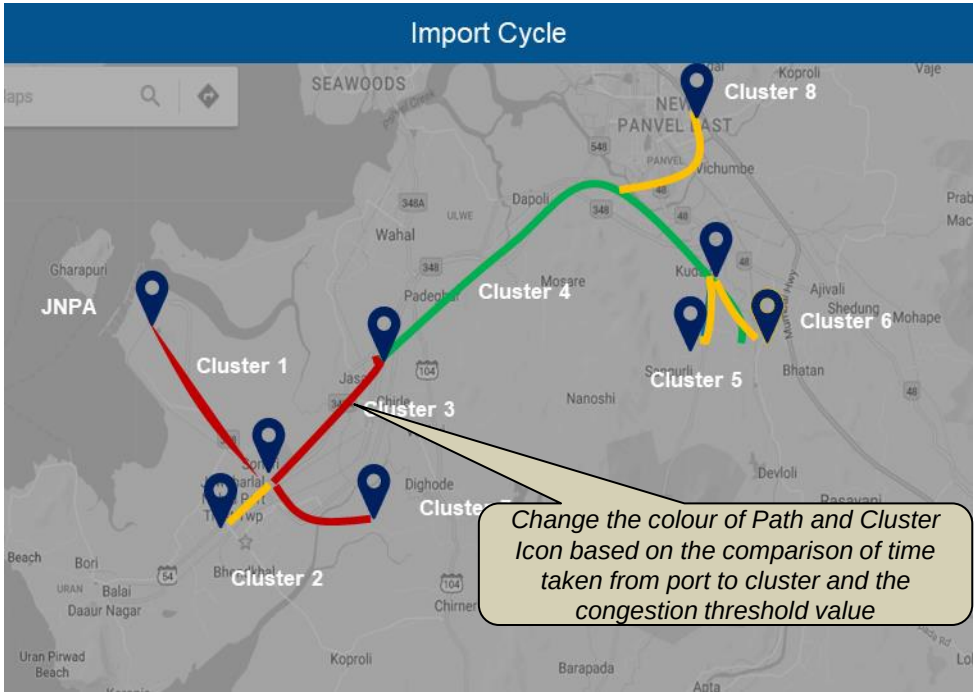
Step 2 Transit time calculation

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

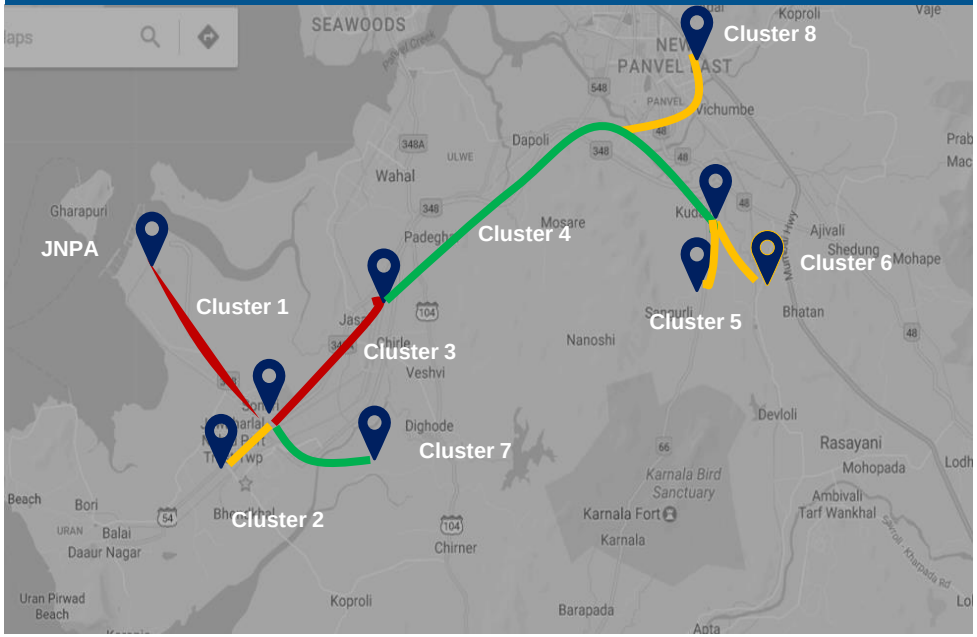
Step 3 Benchmarking

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

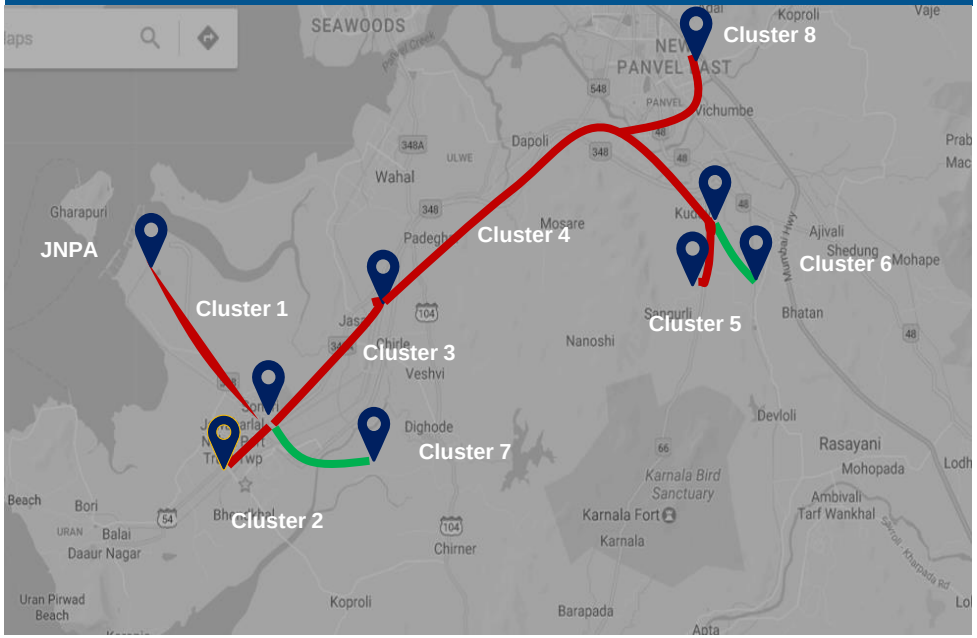


Congestion Analysis: JNPA Region

Import Cycle



Export Cycle



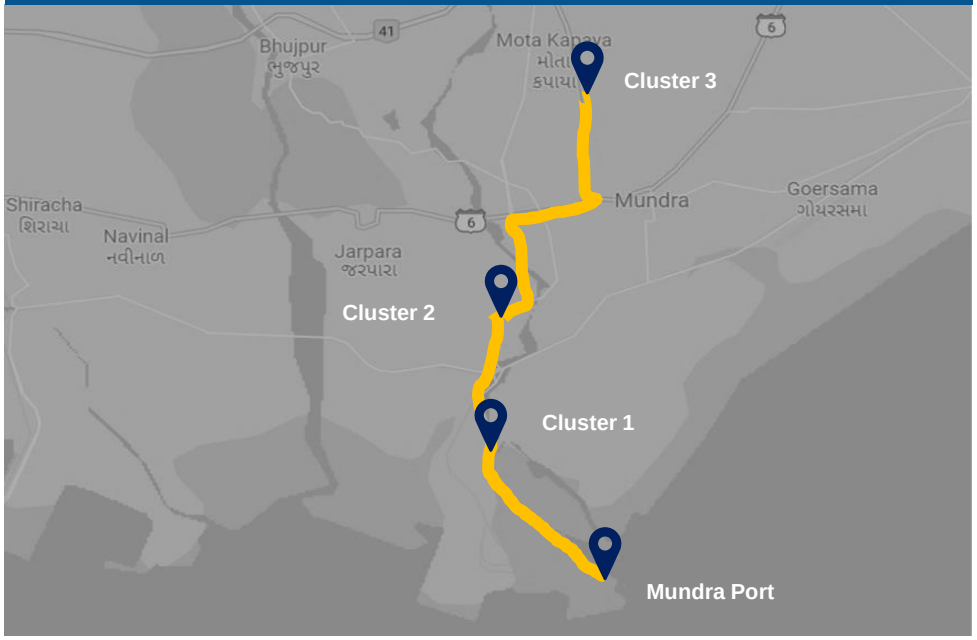
Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	Medium
Cluster 3	Sonari area,JNPA road	High
Cluster 4	Chirle area, JNPA road	Low
Cluster 5	Plaspa area, coach kanyakumari highway	Medium
Cluster 6	Salva apta rd area, bangalore highway	Medium
Cluster 7	Patilpada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

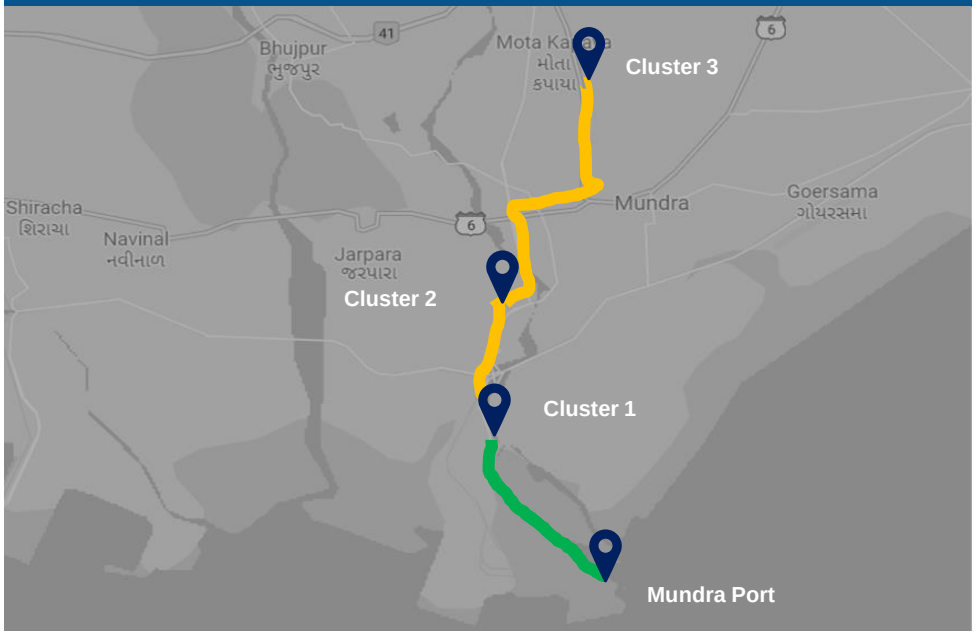
Congestion Analysis: Mundra Region

Import Cycle



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

Export Cycle

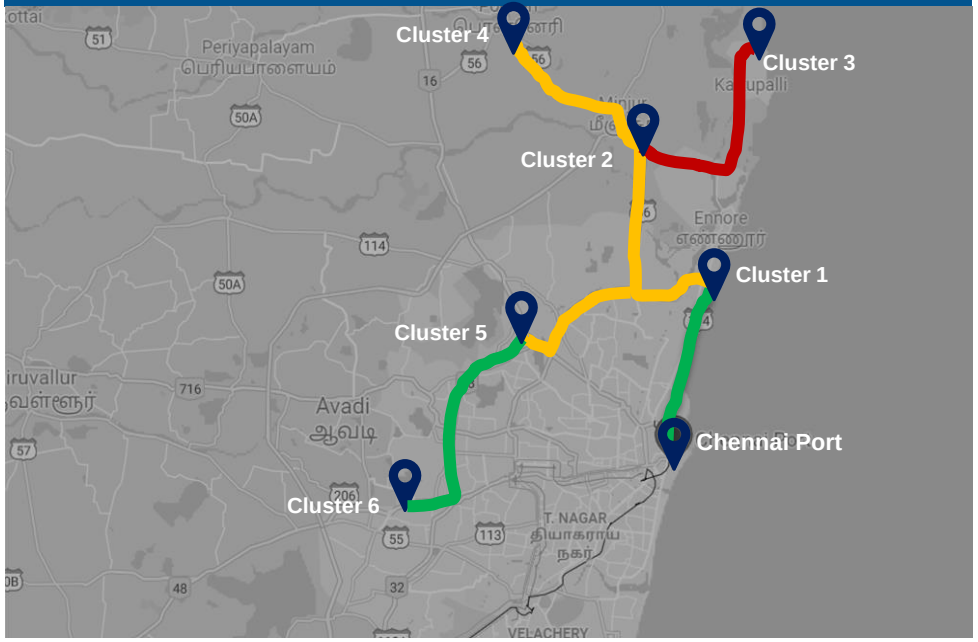


Serial	Cluster Name	Congestion
Cluster 1	APSEZ Area	Low
Cluster 2	Hind circle	Medium
Cluster 3	Motakapaya	Medium

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

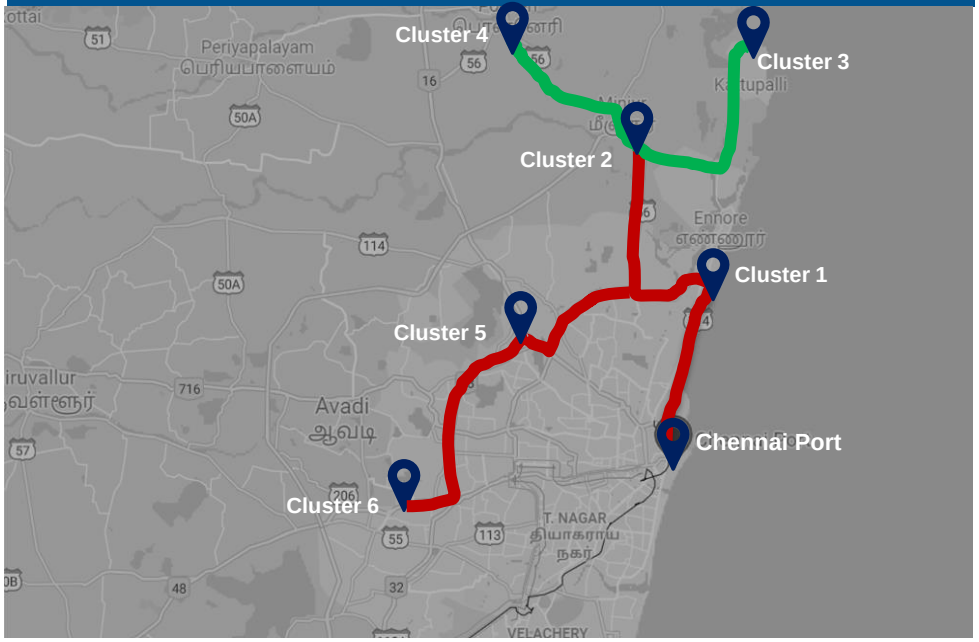
Congestion Analysis: Chennai Region

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	Medium
Cluster 5	Madhavaram - Moolakadai Junction	Medium
Cluster 6	Poonamallee - Sriperumbadur Junction	Low

Export Cycle

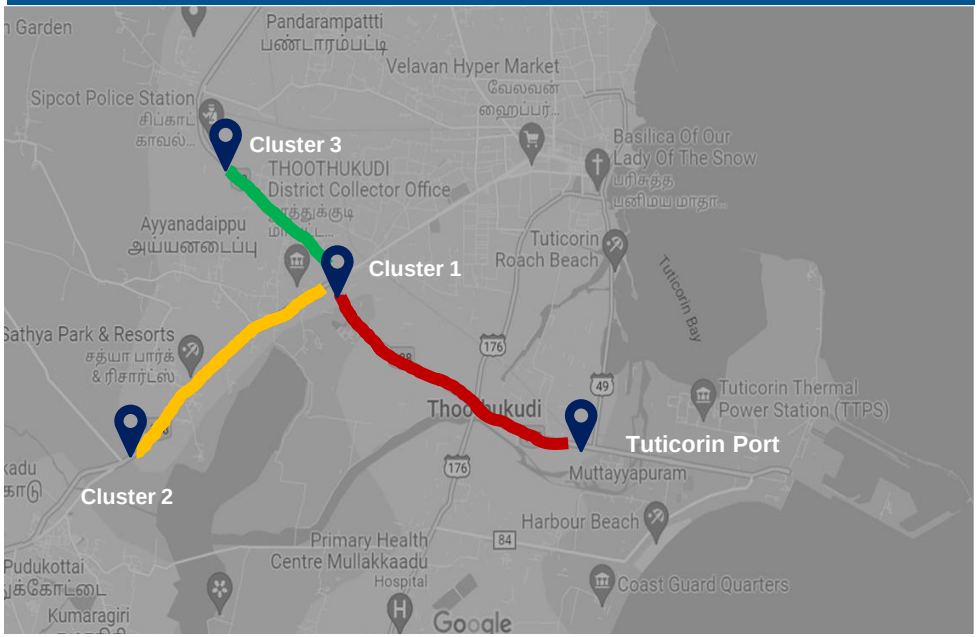


Serial	Cluster Name	Congestion
Cluster 1	Thiruvottiyur High Road Junction	High
Cluster 2	Aandarkuppam - Melur Junction	High
Cluster 3	Kattupalli portbound area	Low
Cluster 4	Minjur - Ponneri bound Area	Low
Cluster 5	Madhavaram - Moolakadai Junction	High
Cluster 6	Poonamallee - Sriperumbadur Junction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

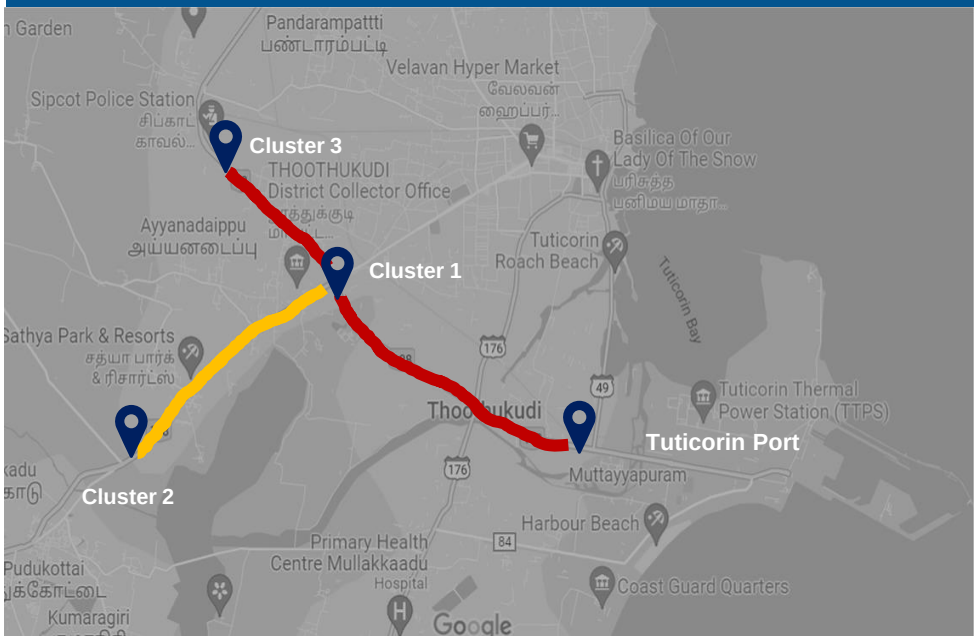
Legend: Route Congestion Level — High — Medium — Low — Location Point

Congestion Analysis: Tuticorin Region

Import Cycle



Export Cycle



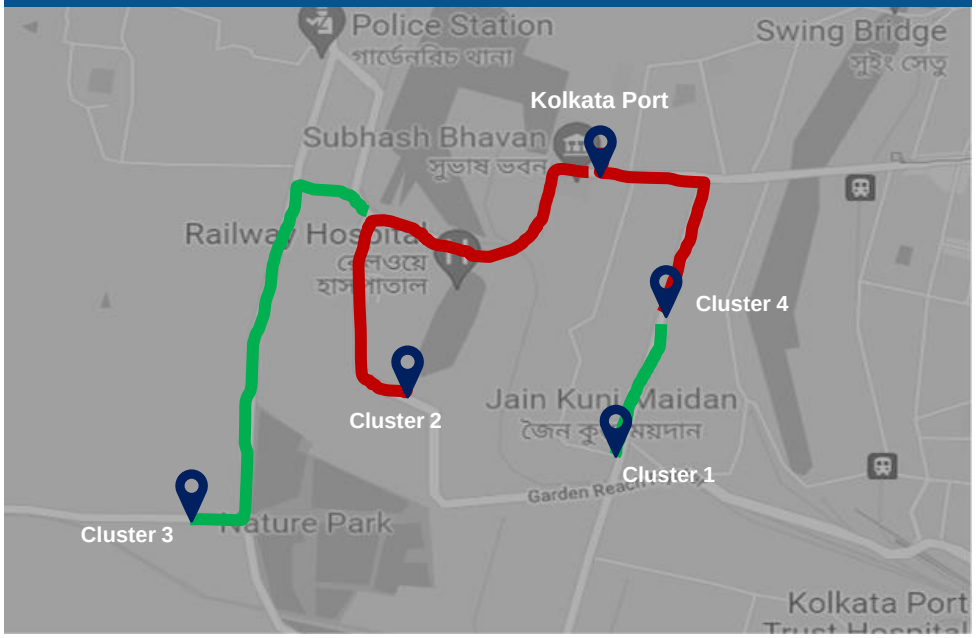
Serial	Cluster Name	Congestion
Cluster 1	Periyanayagapuram, Thoothukudi, Madurai Road	High
Cluster 2	Tirunelveli road near by Podukottai	Medium
Cluster 3	Sipcot area near by Madurai road	Low

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

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

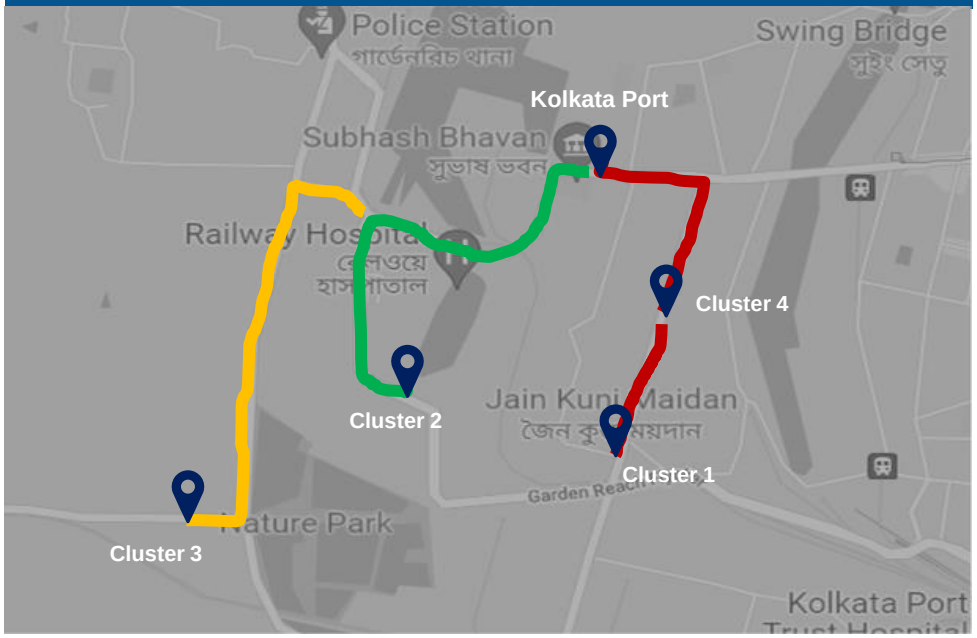
Congestion Analysis: Kolkata Region

Import 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

Export Cycle

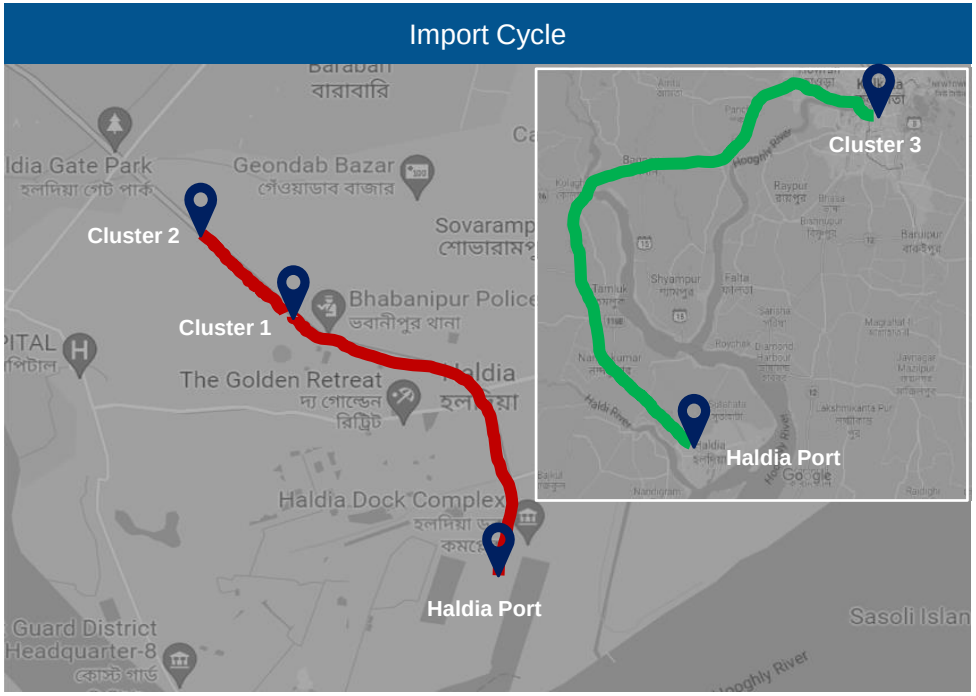


Serial	Cluster Name	Congestion
Cluster 1	Base bridge area	High
Cluster 2	Sonapur road area	Low
Cluster 3	Nature park area	Medium
Cluster 4	Babu bazar area	High

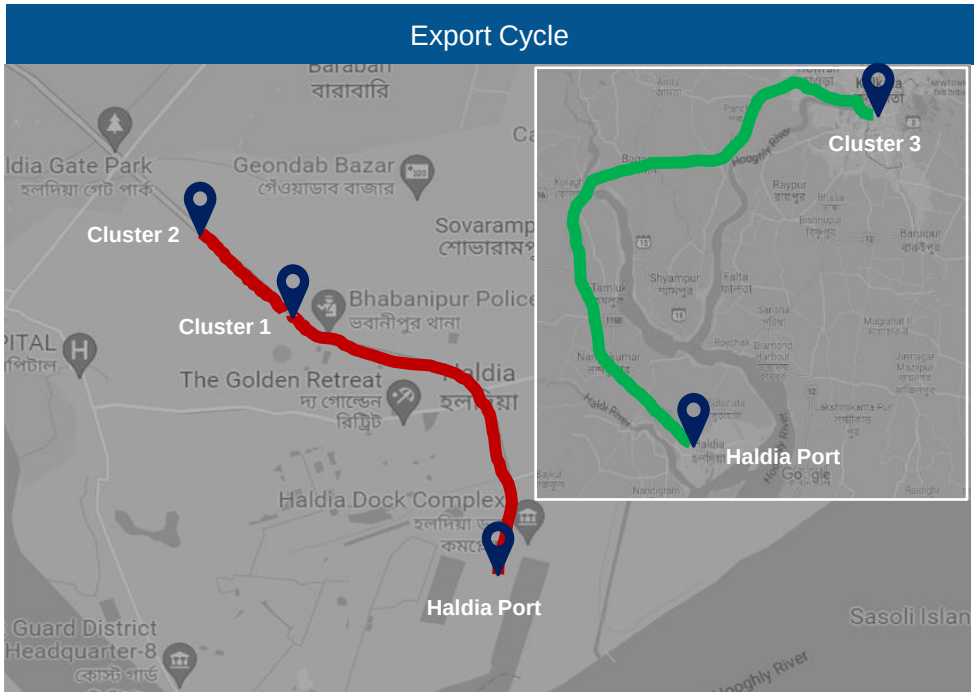
Legend: Route Congestion Level — High — Medium — Low — Location Point

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

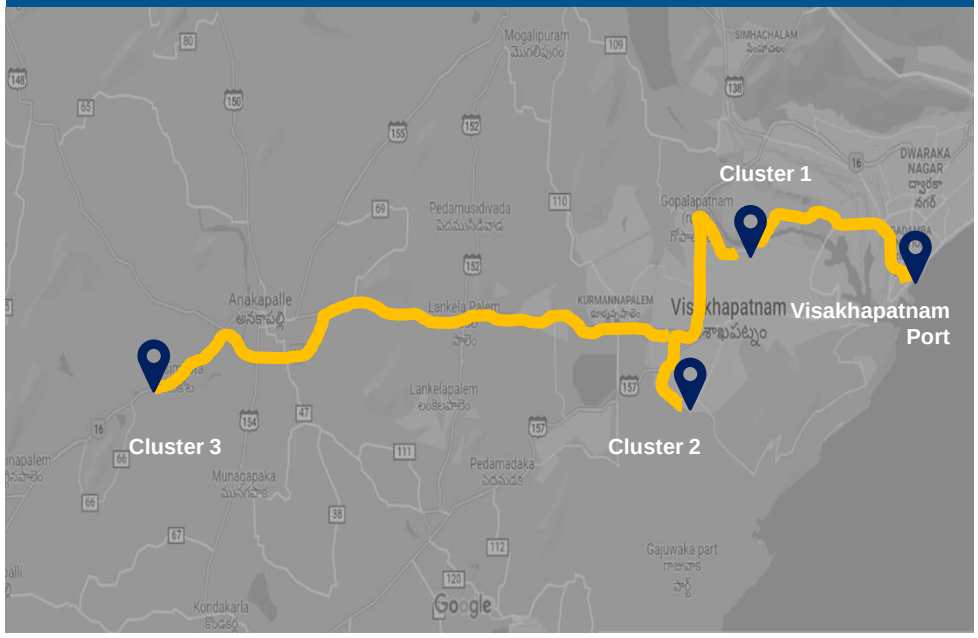
Serial	Cluster Name	Congestion
Cluster 1	Talpukur area, Kolkata highway	High
Cluster 2	City centre area, Kolkata highway	High
Cluster 3	Silpodanga area	Low

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

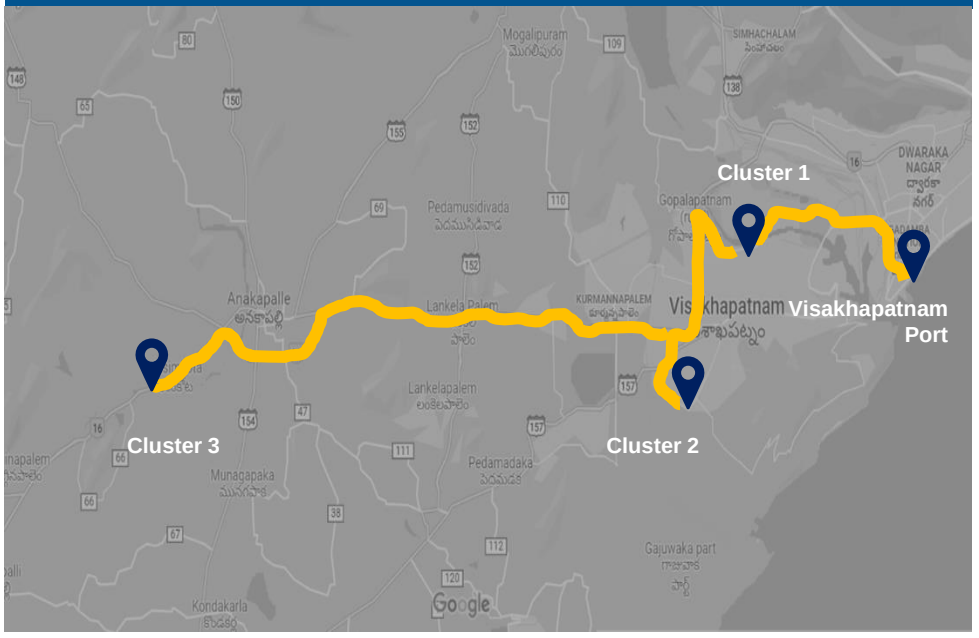
Note: Haldia CFS to Port transit data has discrepancy.

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	Medium

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

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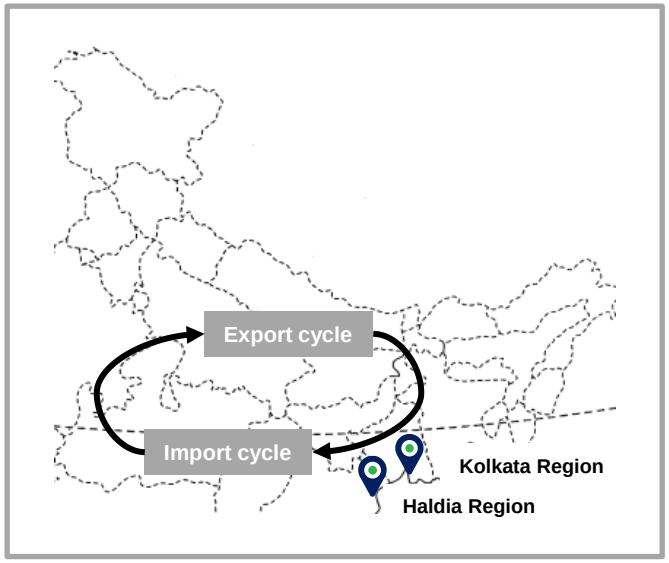
06
CONTAINER MOVEMENT ACROSS INDIA

Transit Movement Across ICPs

Transit movement across ICPs from Kolkata Port Terminal:

Kolkata Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	108.4 hrs	100.4 hrs
	Road	127.4 hrs	100.4 hrs
	Rail	108.4 hrs	-



Haldia Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	112.8 hrs	-

Note: Export data has issues thus removed. Also, ICP Jogbani is added in Import cycle.

Evacuation Efficiency Analysis

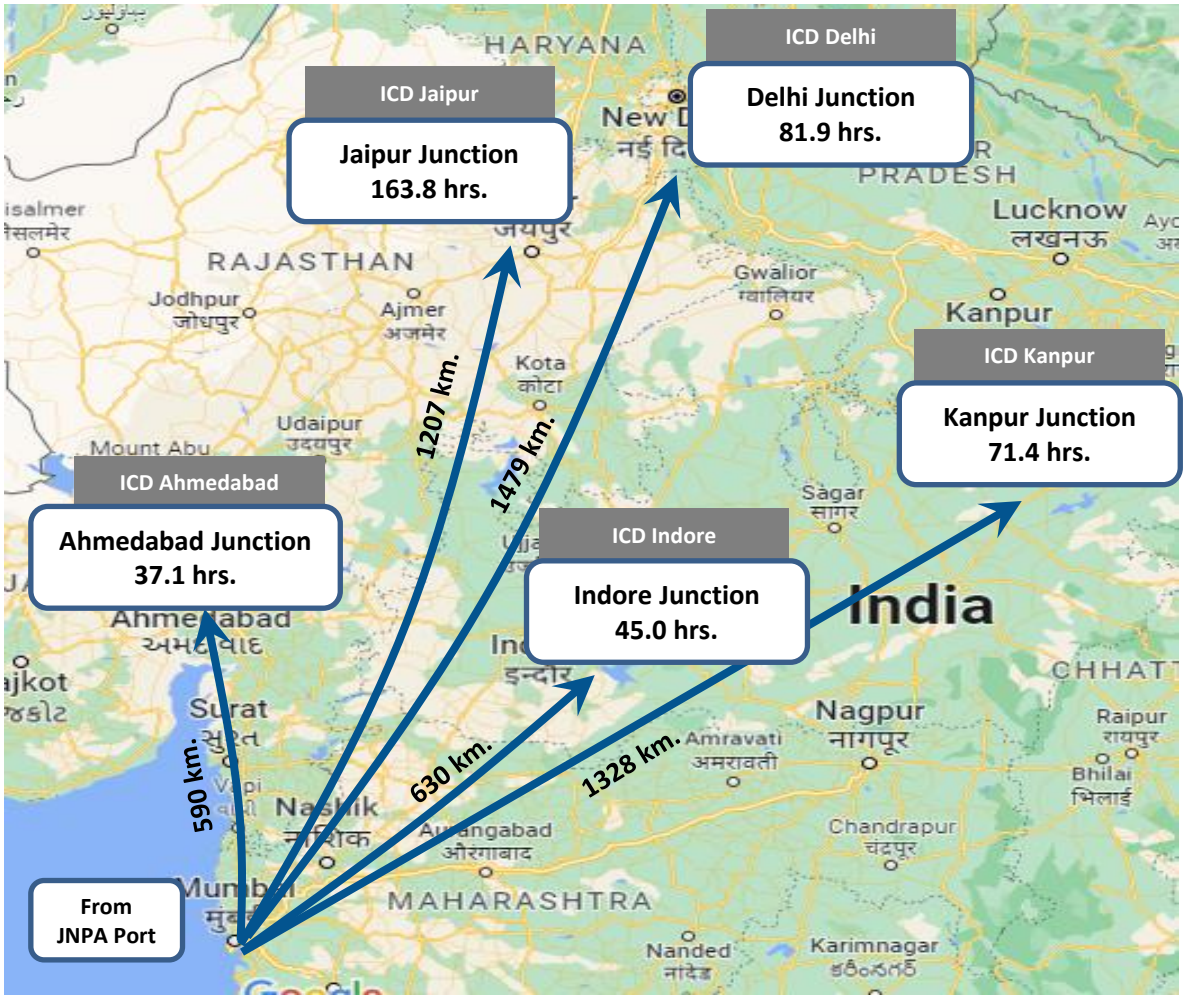
Below table depicts the Average Speed (in km/ hr) starting from ports and in between toll plazas:

	Source	Destination	Distance (Km)	Average Speed (Km/ hr)	
				JAS'23	OND'23
JNPA To Delhi	JNPA Port	Khaniwade	94	11.1	13.38
	Khaniwade	Charoti	50	38.2	33.78
	Charoti	Boriach	126	22.2	19.22
	Boriach	Bharthan	142	30.7	33.48
	Bharthan	Daulatpura	794	4.7	-
	Daulatpura	Kherki	199	-	-
Mundra To Delhi	Mundra Port	Mokha	28	20.3	21.70
	Mokha	Makhel	150	24.6	22.09
	Makhel	Bhalgam	108	33.4	33.94
Vizag To Kolkata	Vizag Port	Nathavalasa	62	4.0	-
	Nathavalasa	Manguli	413	13.9	14.91
	Manguli	Panikholi	56	33.0	33.22
	Panikholi	Rampura	216	19.9	28.88
	Rampura	Debra	34	30.1	33.78
	Debra	Jaladhulagori	77	34.5	34.01
	Jaladhalgori	Dankuni	28	0.7	-

Note: *Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.*

Transit Time Analysis: Port to ICD

JNPA Port to ICD

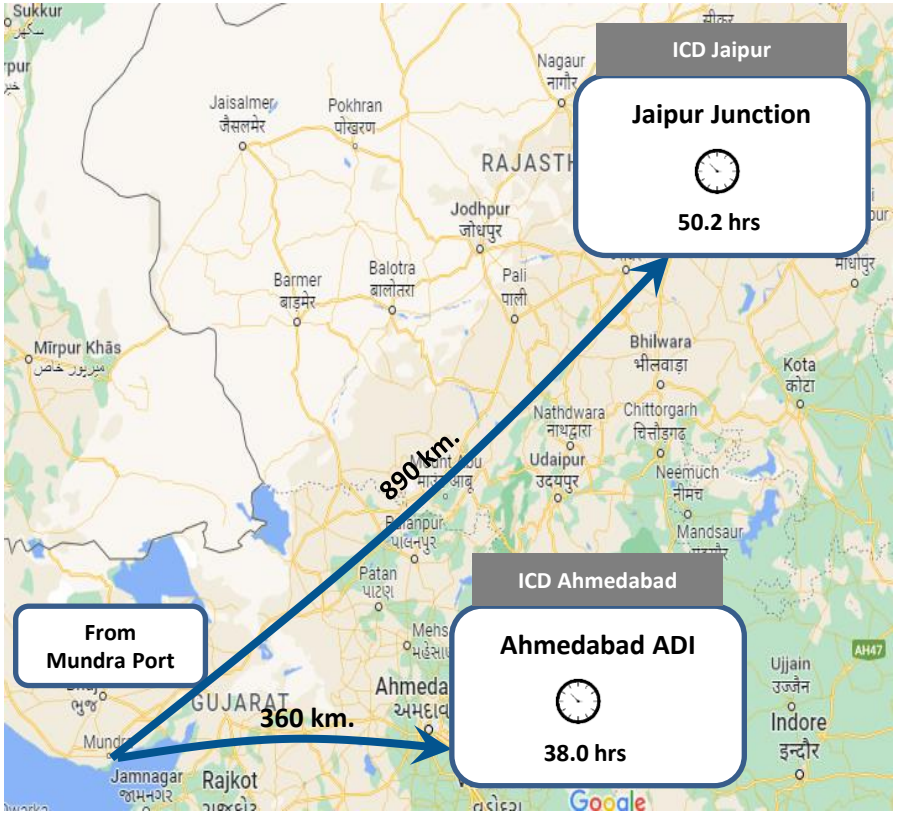


Legend

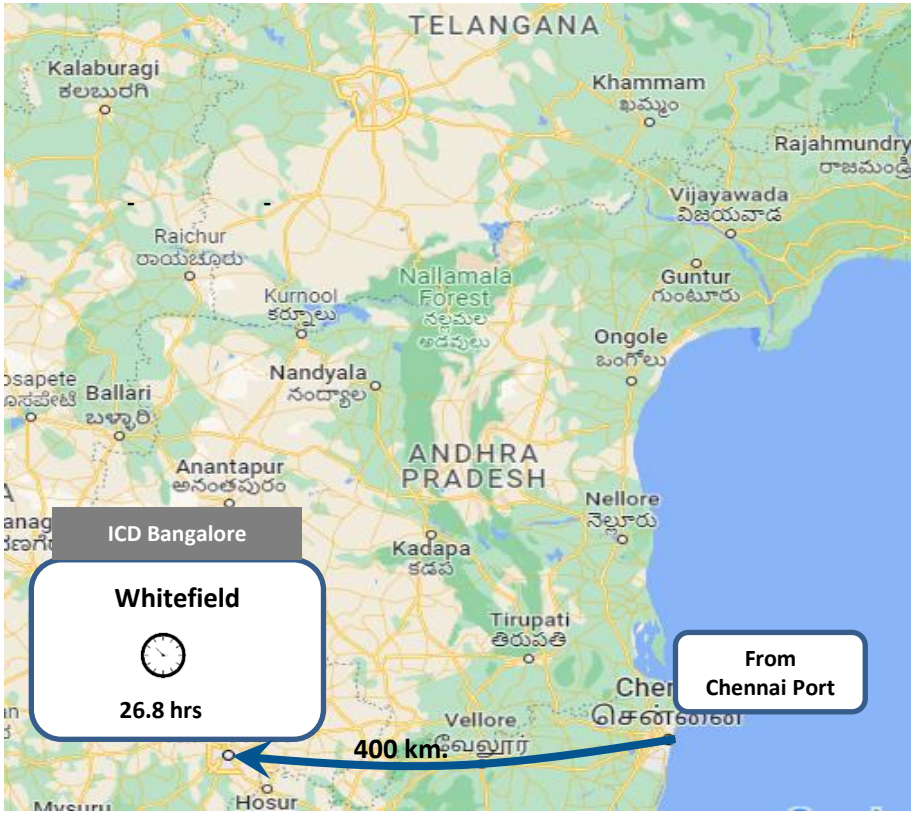
Avg. Transit Time

Transit Time Analysis: Port to ICD

Mundra Port to ICD



Chennai Port to ICD



Legend

Avg. Transit Time

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Logistics Redefined

07
ANNEXURE

Name of the Ports

Abbreviation	Terminal Name	Port Name
BMCT	Bharat Mumbai Container Terminal(PSA)	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

Western Region

List of CFS name used in CFS Performance Index			
1	Adani CFS Eximyard, Mundra	21	Ameya Logistics CFS, Navi Mumbai
2	Saurashtra CFS, Mundra	22	LCL Logistics CFS, Pipavav
3	Punjab Conware CFS, Navi Mumbai	23	Ocean Gate CFS, Panvel
4	Speedy Multimode CFS, JNPT	24	Dronagiri Rail Terminal CFS, Navi Mumbai
5	TG Terminals CFS, Mundra	25	Navkar Corporation Yard 2 CFS, Panvel
6	Honey Comb CFS, Mundra	26	Ashte Logistics CFS, Panvel
7	CWC CFS, Mundra	27	JWR CFS
8	EFC Logistics India	28	Rishi CFS, Mundra
9	MICT CFS, Mundra	29	APM (Maersk India) CFS, Navi Mumbai
10	Gateway Distriparks CFS, Navi Mumbai	30	Navkar Corporation Yard 3 CFS, Panvel
11	JWC Logistics Park CFS	31	CWC Impex Park CFS, Navi Mumbai
12	Seabird CFS, Mundra	32	Navkar Corporation Yard 1 CFS, Panvel
13	Hind Terminals Pvt. Ltd. CFS, Mundra	33	Hind Terminal CFS, Hazira
14	Sarveshwar CFS	34	Kerry Indev Logistics Pvt Ltd CFS
15	Seabird CFS, Navi Mumbai	35	AllCargo Logistics
16	CWC Conex Terminal CFS	36	TG Terminals CFS
17	International Cargo Terminals (ULA) CFS, Navi Mumbai	37	Contrans Logistic CFS, Pipavav
18	Vaishno Logistics CFS, Navi Mumbai	38	Seabird CFS, Hazira
19	Landmark CFS, Mundra	39	Take Care Logistics CFS
20	Apollo Logisolutions CFS, Panvel	40	CWC Polaris logistics park

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

Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

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

List of CFS name used in Eastern CFS Performance Index

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

LDB AT A GLANCE

66 MILLION+

CONTAINERS HANDLED

96	Toll Plaza Coverage
415+	CFS/ICD/ICP/PY/ IZ Coverage
600+	Operators deployed at ports
100%	EXIM Container Terminals covered*
2850+	RFID readers deployed PAN India
EDI	with FOIS and 27 Port Terminals

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

PORT PERFORMANCE

(July-August-September'23 vs October-November-December'23)

DWELL TIME

WESTERN REGION

Import Cycle : 9.2% (26.1 hrs to 23.7 hrs) ▲

Export Cycle : 0.1% (84.6 hrs to 84.7 hrs) ▼

TOP-PERFORMER : Gateway Terminal of India

EASTERN REGION

Import Cycle : 11.2% (52.7 hrs to 46.8 hrs) ▲

Export Cycle :13.3% (100.3 hrs to 87 hrs) ▲

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

SOUTHERN REGION

Import Cycle : 20.0% (39.9 hrs to 47.9 hrs) ▼

Export Cycle : 0.6% (79.2 hrs to 79.7 hrs) ▼

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

TOP PERFORMERS - PAN INDIA OND'23

TERMINAL
Gateway Terminal of India

CFS
Sical CFS, Chennai Tiruvallur Tamil Nadu

ICD
Continental Warehousing Corporation Nhava Sheva Pvt.

NLDS
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Logistics Redefined

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