LOGISTICS DATA BANK

ANALYTICS REPORT

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

2023

November

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NATIONAL LOGISTICS POLICY

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

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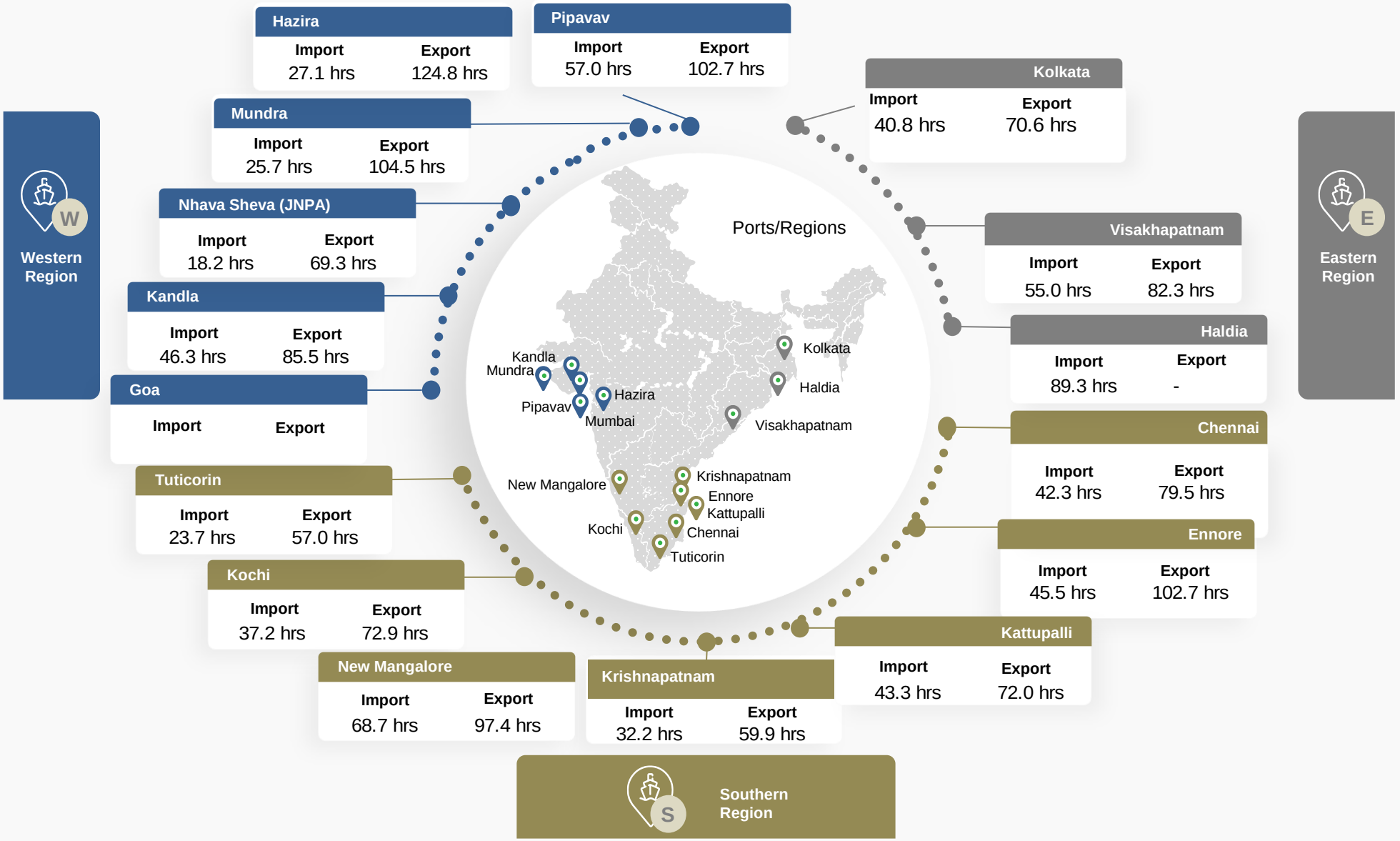
01
PAN INDIA PERFORMANCE

Port Dwell Time Performance (Nov'23): **PAN India**



Note: Goa Port has zero volume, Haldia Port export data has discrepancy.

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Incident Summary

Western Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time	ICD Dwell Time
Nov'23	22.3 hrs	88.3 hrs	91.7 hrs	128.2 hrs
Oct'23	25.7 hrs	81.0 hrs	87.9 hrs	135.5 hrs
MoM % Change	**13.2%**	**9.0%**	**4.3%**	**5.4%**

For more details about Western Region, please go to Page 21

Southern Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time
Nov'23	41.1 hrs	79.3 hrs	110.1 hrs
Oct'23	43.9 hrs	77.6 hrs	106.7 hrs
MoM % Change	**6.4%**	**2.2%**	**3.2%**

For more details about Southern Region, please go to Page 44

Eastern Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time
Nov'23	48.4 hrs	81.3 hrs	146.5 hrs
Oct'23	43.7 hrs	85.3 hrs	140.8 hrs
MoM % Change	**10.8%**	**4.7%**	**4.0%**

For more details about Eastern Region, please go to Page 59

Note: CFS/ICD Dwell Time consists of Non-DPD, Non-DPE containers

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Port Dwell Time (Import Cycle)

IMPORT

	Jun'23 (in hrs)	Jul'23 (in hrs)	Aug'23 (in hrs)	Sep'23 (in hrs)	Oct'23 (in hrs)	Nov'23 (in hrs)
Western Region	**24.0**	**33.1**	**25.7**	**21.3**	**25.7**	**22.3**
JNPA	15.8	20.3	19.8	17.1	22.4	18.2
Mundra	44.4	62.1	33.6	26.3	28.6	25.7
Pipavav	77.8	94.8	69.1	55.8	53.3	57.0
Kandla	-	49.6	34.4	29.6	62.1	46.3
Hazira	49.4	58.2	38.1	34.4	35.9	27.1
Southern Region	**37.3**	**39.3**	**37.1**	**44.3**	**43.9**	**41.1**
Chennai	37.2	41.2	37.1	50.9	44.9	42.3
Kochi	36.9	39.2	39.4	42.9	33.5	37.2
Kattupalli	45.5	39.6	42.7	48.5	94.0	43.3
Tuticorin	23.3	23.7	18.6	17.2	20.0	23.7
Krishnapatnam	94.8	113.0	43.9	31.6	40.4	32.2
Ennore	35.5	36.3	37.4	40.9	42.8	45.5
New Mangalore	115.6	97.1	117.1	75.7	60.2	68.7
Eastern Region	**50.8**	**56.1**	**54.7**	**47.5**	**43.7**	**48.4**
Visakhapatnam	84.9	76.6	78.4	60.1	53.3	55.0
Kolkata	28.9	37.0	39.4	34.5	35.5	40.8
Haldia	65.7	68.7	65.2	65.7	65.4	89.3

Note: Kandla Port has zero volume in Jun'23

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Port Dwell Time (Export Cycle)

EXPORT

	Jun'23 (in hrs)	Jul'23 (in hrs)	Aug'23 (in hrs)	Sep'23 (in hrs)	Oct'23 (in hrs)	Nov'23 (in hrs)
Western Region	**88.3**	**81.5**	**85.7**	**86.8**	**81.0**	**88.3**
JNPA	71.9	71.8	70.6	71.9	65.1	69.3
Mundra	115.8	91.0	102.0	102.8	97.5	104.5
Pipavav	205.0	111.2	99.0	99.9	99.8	102.7
Kandla	-	89.7	105.2	97.3	82.1	85.5
Hazira	117.6	98.9	104.5	98.8	96.3	124.8
Southern Region	**78.8**	**78.2**	**82.7**	**77.4**	**77.6**	**79.3**
Chennai	91.0	78.5	93.3	83.1	78.4	79.5
Kochi	72.2	93.4	75.9	72.8	87.3	72.9
Kattupalli	94.7	74.0	85.1	81.2	89.3	72.0
Tuticorin	47.8	48.7	51.6	52.3	55.0	57.0
Krishnapatnam	51.7	117.3	50.6	48.4	53.0	59.9
Ennore	97.3	92.0	93.5	89.9	84.8	102.7
New Mangalore	73.9	93.7	84.1	87.5	84.7	97.4
Eastern Region	**118.6**	**102.7**	**105.3**	**92.9**	**85.3**	**81.3**
Visakhapatnam	88.5	88.0	89.1	84.9	81.2	82.3
Kolkata	157.6	139.9	143.1	109.3	93.2	70.6
Haldia	144.0	72.0	120.0	96.0	120.0	-

Note: Kandla Port has zero volume in Jun'23. Haldia Port export data has discrepancy.

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CFS and ICD Dwell Time

CFS

	Jun'23 (in hrs)	Jul'23 (in hrs)	Aug'23 (in hrs)	Sep'23 (in hrs)	Oct'23 (in hrs)	Nov'23 (in hrs)
Western Region	**81.7**	**89.0**	**91.4**	**86.0**	**87.9**	**91.7**
JNPA	75.5	80.5	84.5	80.8	82.7	88.3
Mundra	88.2	98.1	96.3	91.7	95.3	97.0
Pipavav	96.2	78.1	91.0	83.9	75.0	82.8
Hazira	115.6	104.9	110.8	101.5	100.9	104.1
Southern Region	**101.3**	**105.7**	**105.9**	**101.7**	**106.7**	**110.1**
Chennai, Ennore, Kattupalli	93.6	94.8	96.7	94.9	100.2	102.5
Kochi	96.4	102.3	123.2	127.7	122.9	144.2
Tuticorin	134.6	157.9	135.1	131.8	138.9	140.7
Krishnapatnam	139.7	132.6	135.7	89.7	116.4	141.9
Eastern Region	**142.8**	**139.5**	**138.4**	**140.6**	**140.8**	**146.5**
Visakhapatnam	162.3	153.3	151.7	140.9	163.7	150.1
Kolkata	130.4	131.9	133.9	141.4	133.3	145.5
Haldia	137.7	109.9	127.0	129.7	126.5	144.7

ICD

Western Region	**125.6**	**120.0**	**130.4**	**131.5**	**135.5**	**128.2**

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Effective Container Movement Analysis around Port (Import Cycle)

Effective Container Movement Analysis around port depicts the time taken by the container to move from various nodes involved around port based on container's delivery type (DPD, Non-DPD).

Non DPD Containers:
Containers getting custom clearance at CFSs

IMPORT

	Port Dwell Time	Port to CFS (Transit)	CFS Dwell Time	Effective Container Movement Time around Port
India	28.6	1.9	123.7	154.2
Western	22.3	1.6	123.1	147.0
Southern	39.3	2.6	119.4	161.3
Eastern	42.8	1.4	142.4	186.6

All data in the slide is in hours.

DPD Containers:
Containers getting custom clearance at the Terminals

IMPORT

	Port Dwell Time
India	33.9
Western	22.1
Southern	71.0
Eastern	92.9

Note: CFS/ICD Dwell Time consists of Non-DPD, Non-DPE containers

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Effective Container Movement Analysis around Port (Export Cycle)

Effective Container Movement Analysis around port depicts the time taken by the container to move from various nodes involved around port based on container's delivery type (DPE, Non-DPE).

Non DPE Containers:
Containers getting custom clearance at CFSs

EXPORT

	CFS Dwell Time	CFS to Port (Transit)	Port Dwell Time	Effective Container Movement Time around Port
India	100.7	2.9	87.2	190.8
Western	111.6	3.4	90.8	205.8
Southern	56.8	2.5	78.6	137.9
Eastern	313.2	1.8	55.6	370.6

All data in the slide is in hours.

DPE Containers:
Containers getting custom clearance at the Terminals

EXPORT

	Parking Plaza Dwell Time	Parking Plaza to Port (Transit)	Port Dwell Time	Effective Container Movement Time around Port
India	6.0	1.6	84.4	92.0
Western	5.3	1.2	76.1	82.6
Southern	5.0	2.3	80.8	88.1
Eastern	-	-	125.6	125.6

Note: CFS/ICD Dwell Time consists of Non-DPD, Non-DPE containers

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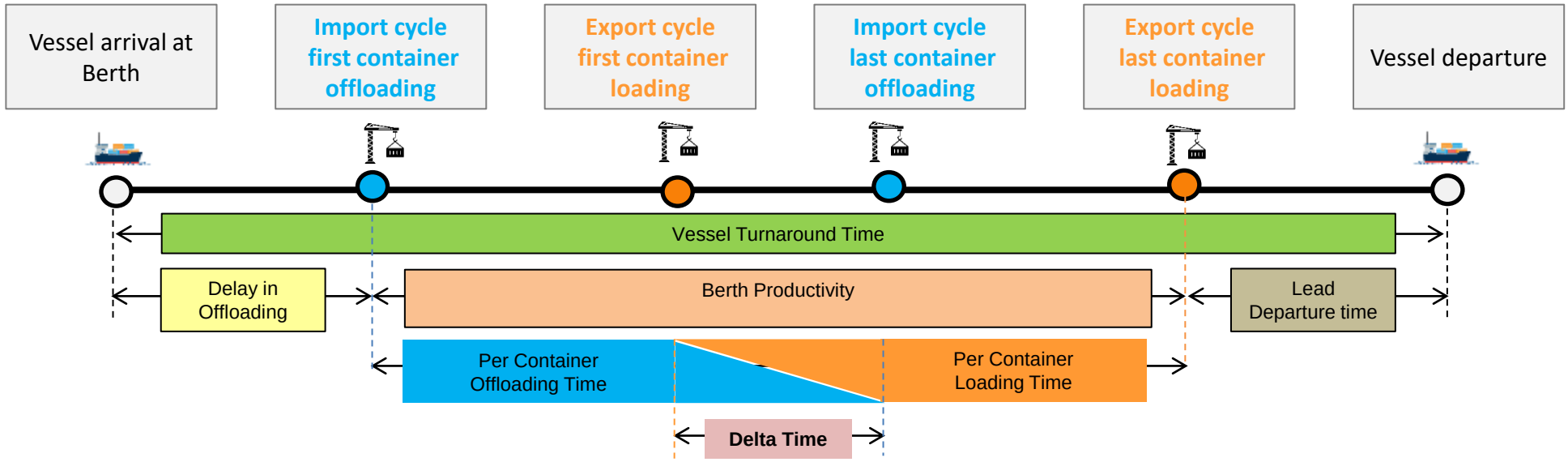
Vessel Analysis: **PAN India**



Nov'23	Vessel Turnaround Time (hrs.)	Delay in Offloading (hrs.)	Offloading Time (Min/ Cntr)	Loading Time (Min/ Cntr)	Berth Productivity (Min/ Cntr)	Delta Time (hrs)	Lead Departure time (hrs.)
India	19.4	2.2	3.0	1.9	1.1	8.8	1.3
Mundra	26.6	2.5	3.8	1.7	1.2	11.0	1.1
JNPA	19.5	2.4	2.5	2.0	0.9	8.8	0.4
Other Western	17.3	1.7	2.3	2.5	0.9	7.6	1.2
Southern	19.0	2.1	2.0	1.9	1.1	6.6	1.6
Eastern	13.8	1.0	7.9	1.9	1.2	10.8	1.5

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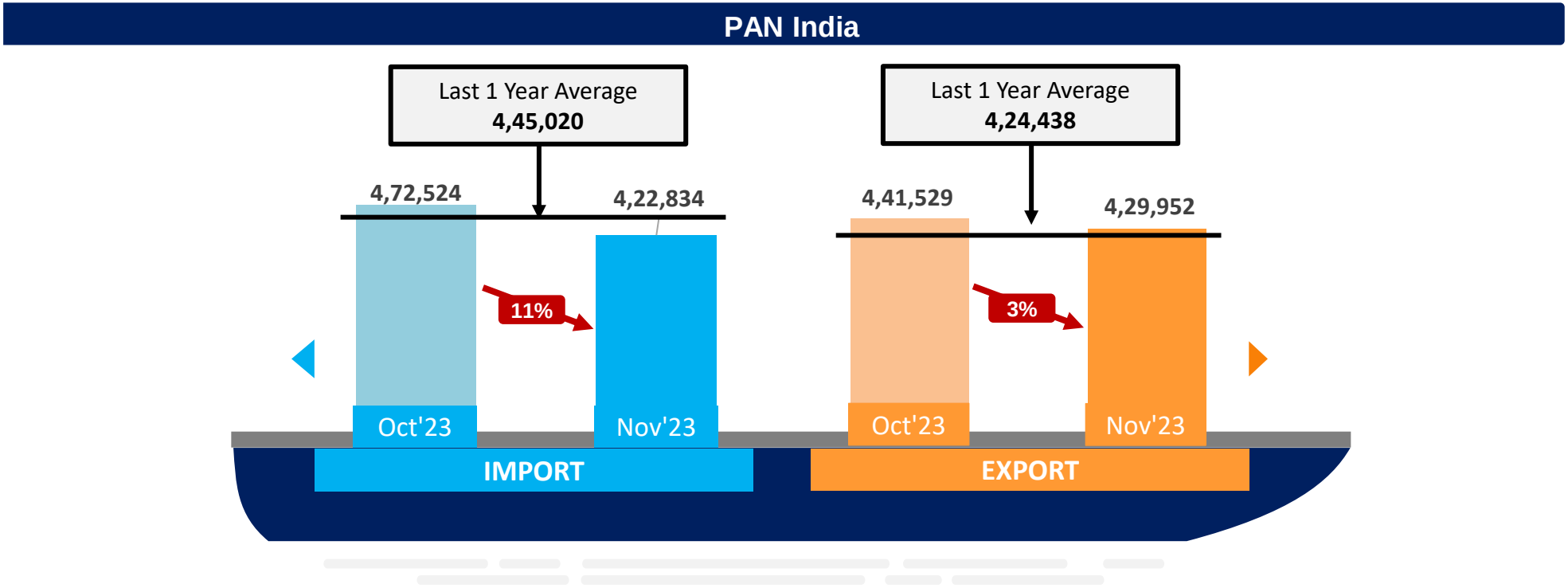
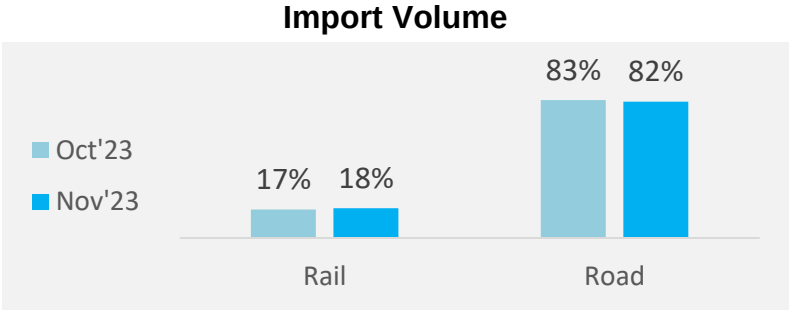
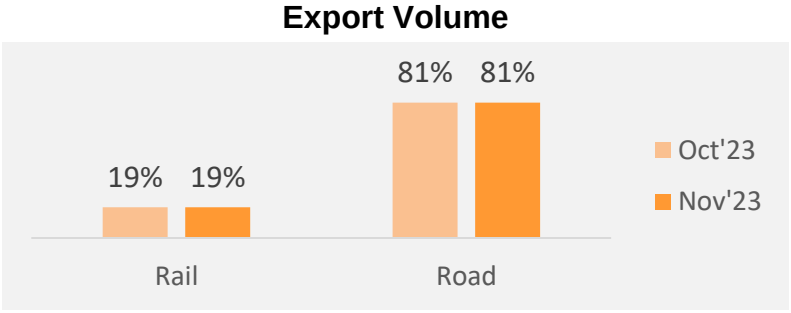
Container Count: **PAN India**

Analysis depicts the change in container count during the month of Nov'23 w.r.t the last month(Oct'23) and last 1 year average.







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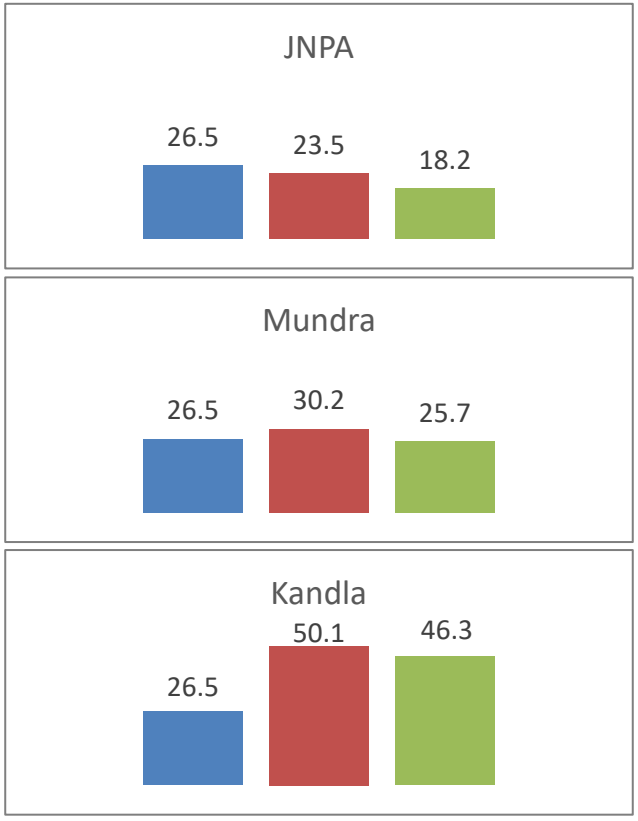
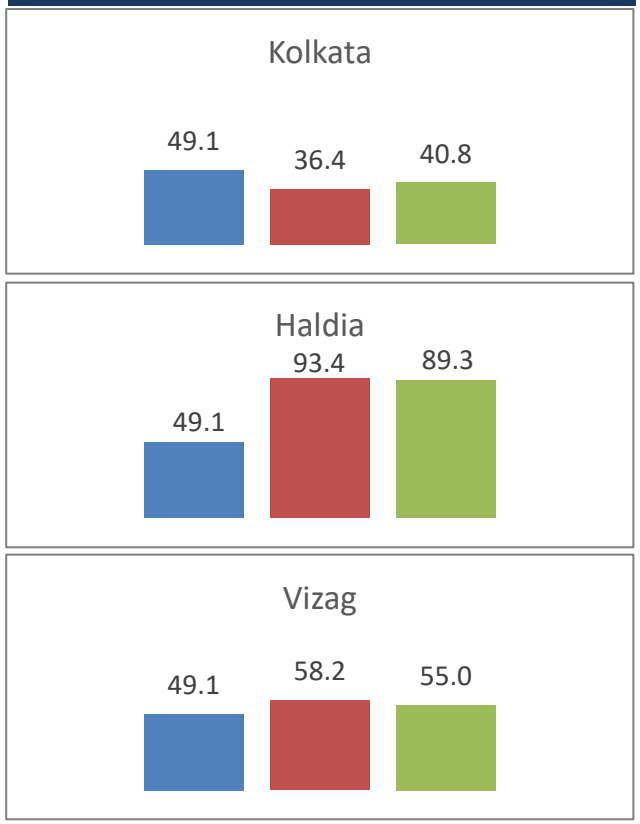
Port Performance Benchmark Comparison (Import Cycle)

To evaluate the port performance of the current month with historical patterns, Nov'23 port dwell time performance was compared with the average regional dwell time (from Jan'19 to Oct'23) and the average port dwell time (from Jan'19 to Oct'23).

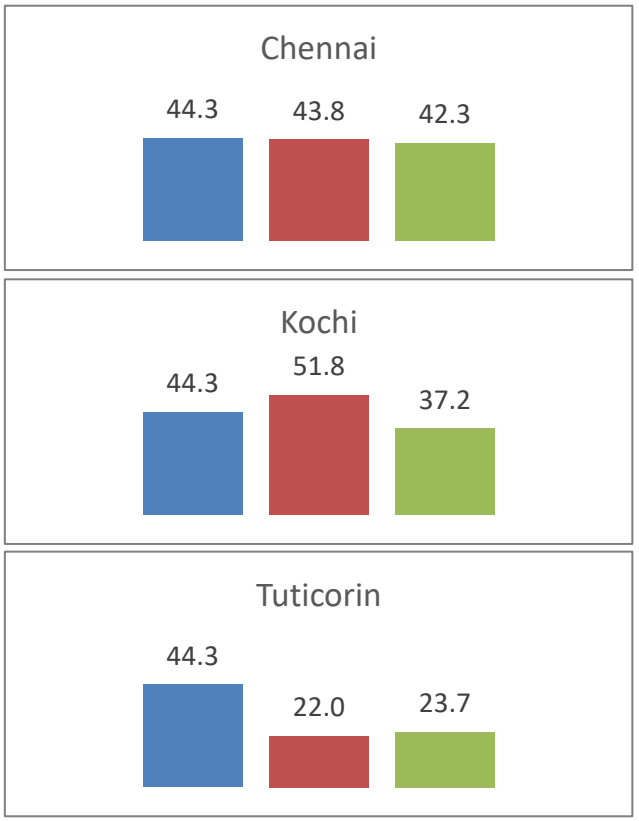
Western Region



Eastern Region



Southern Region



All data in the slide is in hours.

Average Regional Benchmark (Form Jan'19 till Oct'23)

Average Port Benchmark (Form Jan'19 till Oct'23)

Port Dwell Time (Nov'23 month)

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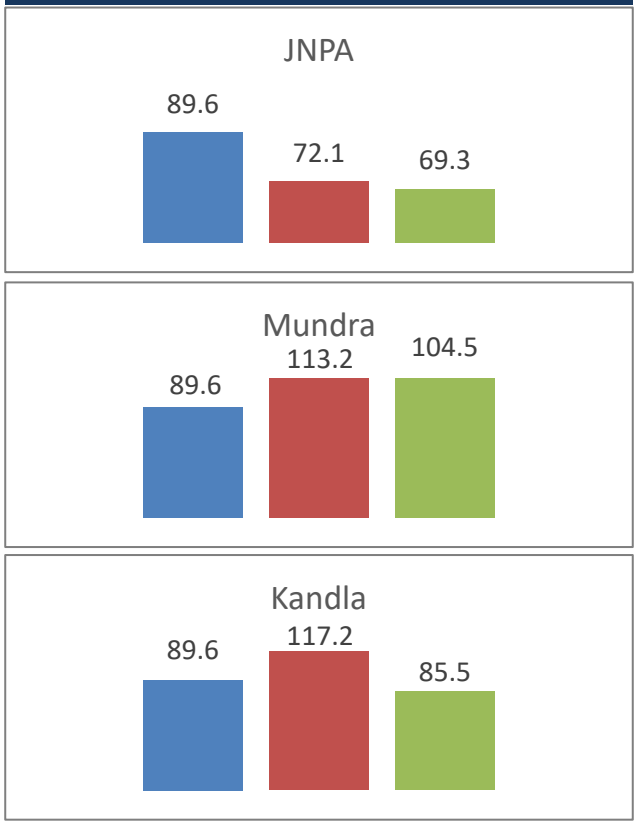
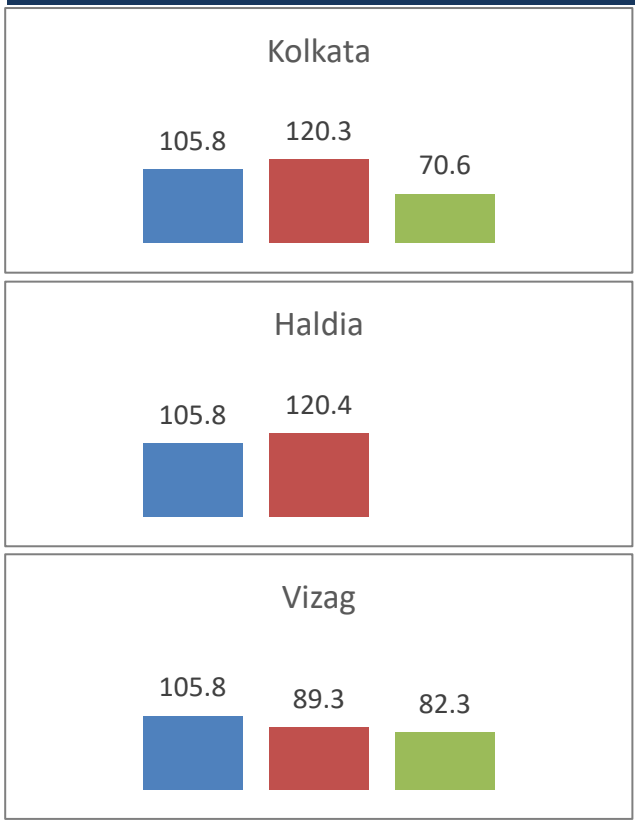
Port Performance Benchmark Comparison (Export Cycle)

To evaluate the port performance of the current month with historical patterns, the Nov'23 port dwell time performance was compared with the average regional dwell time (from Jan'19 to Oct'23) and the average port dwell time (from Jan'19 to Oct'23).

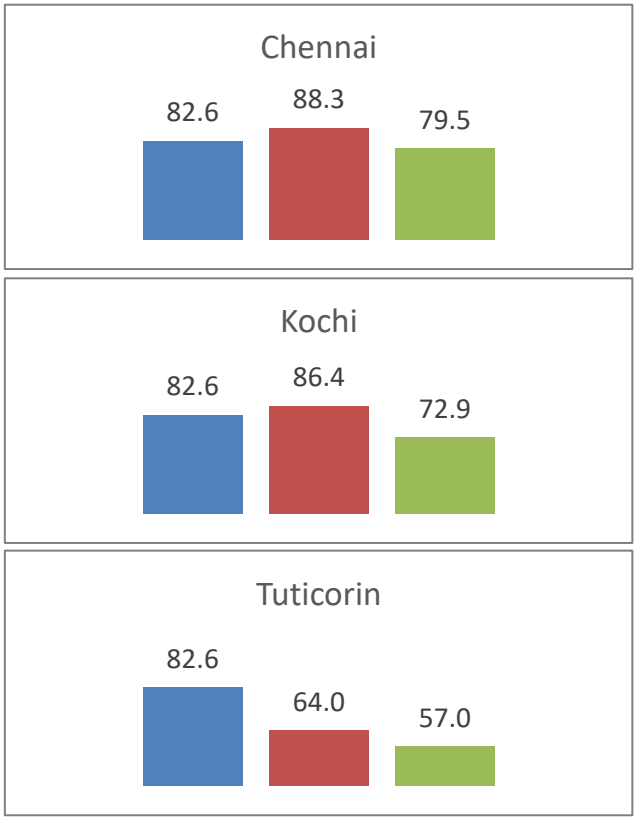
Western Region



Eastern Region



Southern Region



All data in the slide is in hours.

Average Regional Benchmark (Form Jan'19 till Oct'23)

Average Port Benchmark (Form Jan'19 till Oct'23)

Port Dwell Time (Nov'23 month)

Note: Haldia Port export data has discrepancy.

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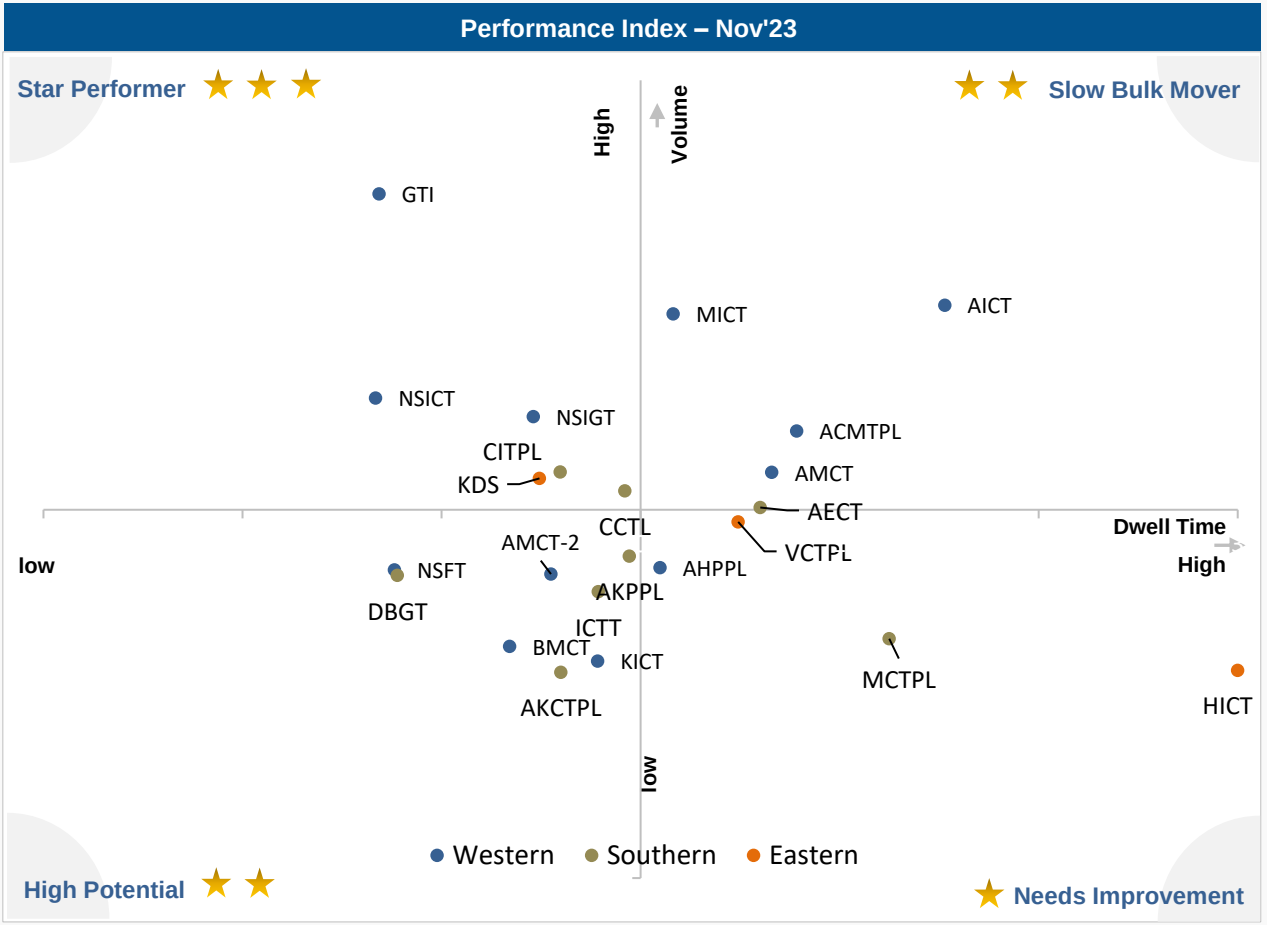
Port Performance Benchmarking: **PAN India**

Top Performing Terminal

Gateway Terminals India (GTI)	
Oct'23	Nov'23
33.8 hrs	35.0 hrs



Low Performing Terminal

JSW- Mangalore Container Terminal Pvt. Ltd	
Oct'23	Nov'23
75.9 hrs	82.4 hrs

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

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

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

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

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

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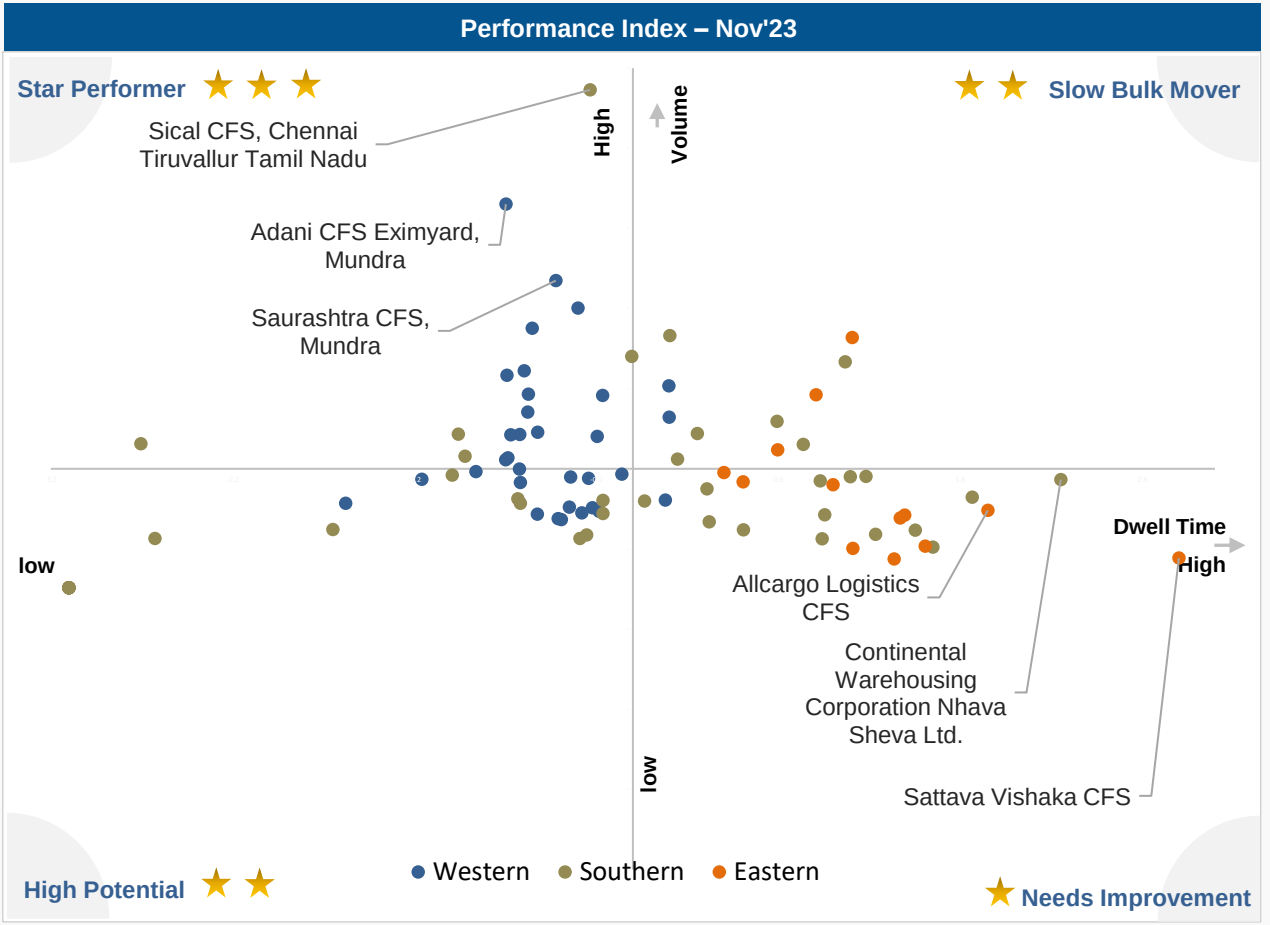
CFS Performance Benchmarking: **PAN India**

Top Performing CFS

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



Low Performing CFS

Allcargo Logistics CFS
Continental Warehousing Corporation Nhava Sheva Ltd.
Sattava Vishaka CFS

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

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

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

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

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Domestic Containers Port Dwell Time

Average Month-on-Month Port Dwell Time comparison for Domestic Containers catered by individual terminals

DWELL TIME

	Oct'23 (in hrs)	Nov'23 (in hrs)	Volume % (Nov'23)	
Bharat Mumbai Container Terminals(PSA)	23.3	12.3	37.3%	↑
Chennai Container Terminal Pvt. Ltd. (CCTL)	112.3	115.3	3.9%	↓
Chennai International Terminals Pvt Ltd (CITPL)	52.9	48.3	3.0%	↑
Haldia International Container Terminal (HICT)	144.0	120.0	19.7%	↑
International Container Transhipment Terminal, Kochi	60.3	62.5	38.5%	↓
Kandla International Container Terminal (KICT)	136.2	178.8	34.9%	↓
Kolkata Dock System (KDS) , Kolkata Port	49.1	40.0	4.0%	↑
Nhava Sheva Freeport Terminal (NSFT)	69.7	44.2	7.0%	↑
Nhava Sheva India Gateway Terminal (NSIGT)	51.8	52.3	3.0%	↓
Nhava Sheva International Container Terminal (NSICT)	49.4	49.7	6.0%	↓
PSA SICAL Terminals	74.2	77.9	-	↓
Visakha Container Terminal	61.4	57.8	12.1%	↑

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

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

Note: Volume % is Domestic volume out of total volume where total volume = EXIM volume + Domestic volume.

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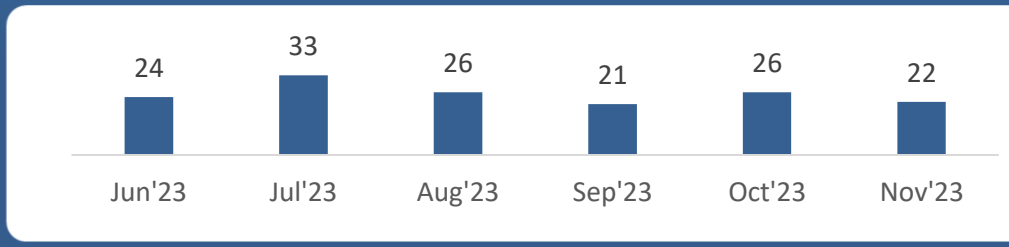
02
WESTERN REGION PERFORMANCE

Import Cycle Dwell Time Performance: **Western Region**

IMPORT

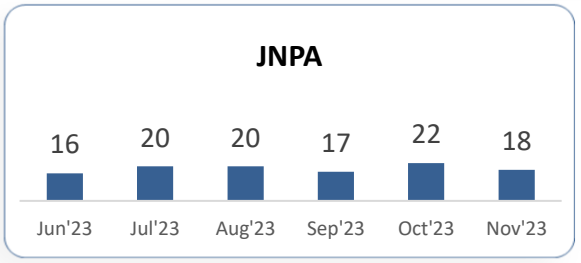
Western Region

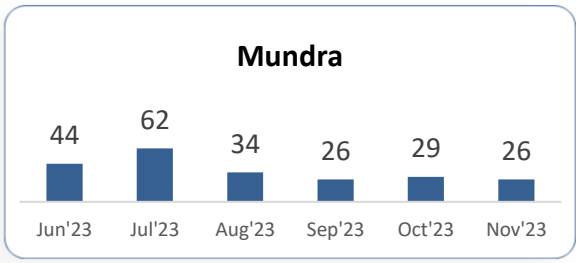


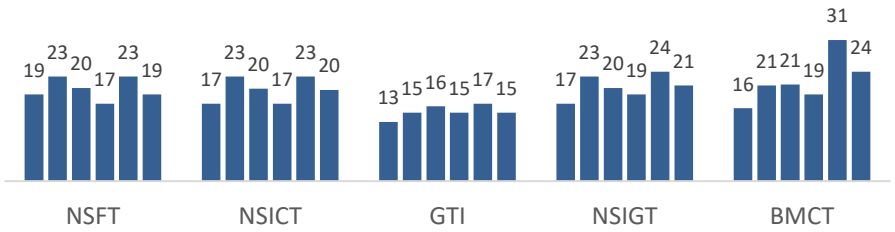
PAN India Average

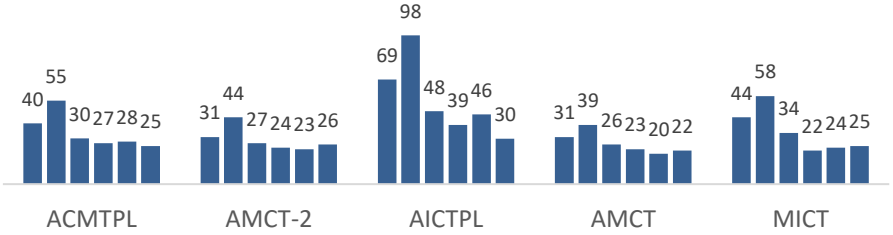
29.1 Hrs.

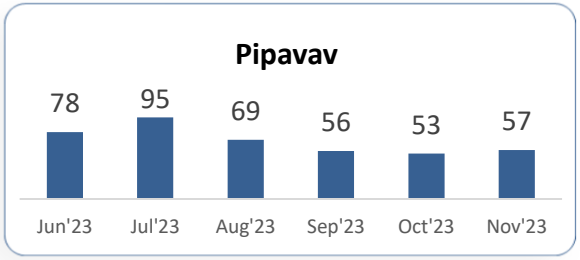
(Nov'23)

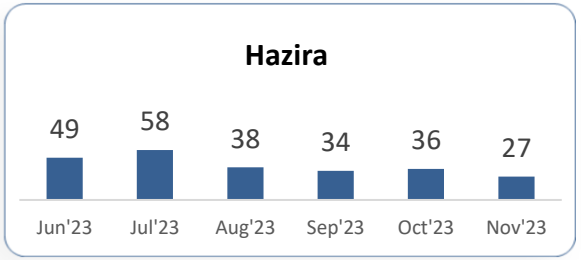


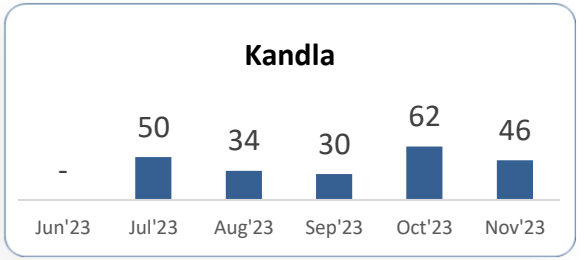












Note: Kandla Port has zero volume in Jun'23.

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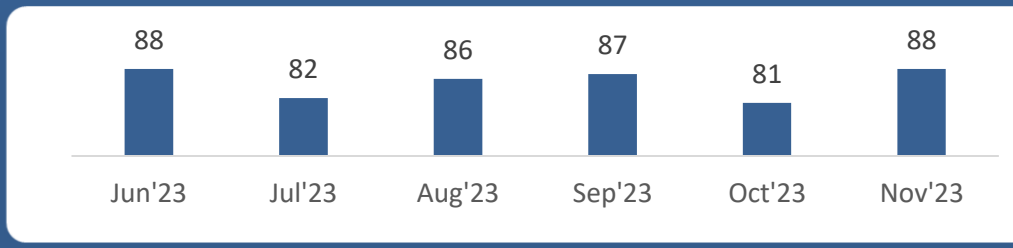
Export Cycle Dwell Time Performance: **Western Region**

EXPORT

Western Region

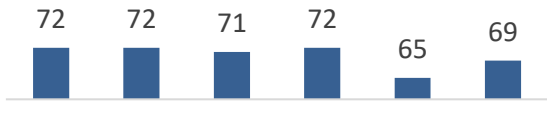


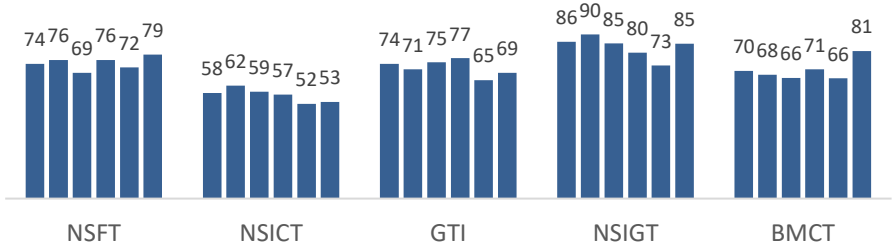
PAN India Average

86.0 Hrs.

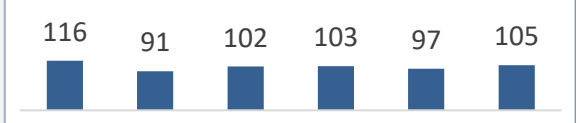
(Nov'23)

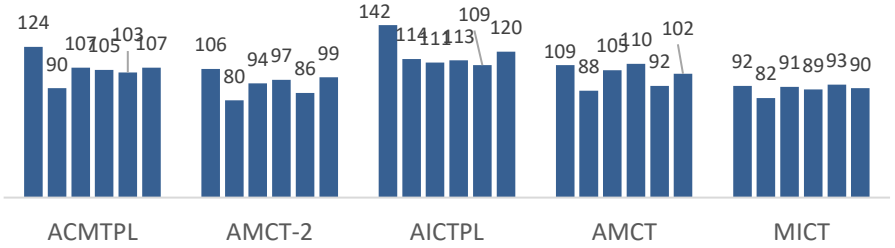
JNPA



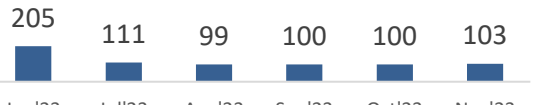


Mundra

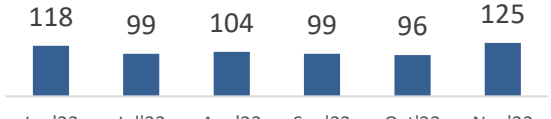




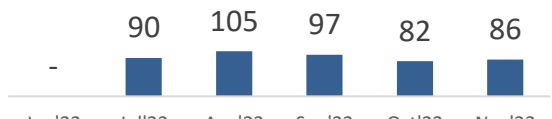
Pipavav



Hazira



Kandla



Note: Kandla Port has zero volume in Jun'23.

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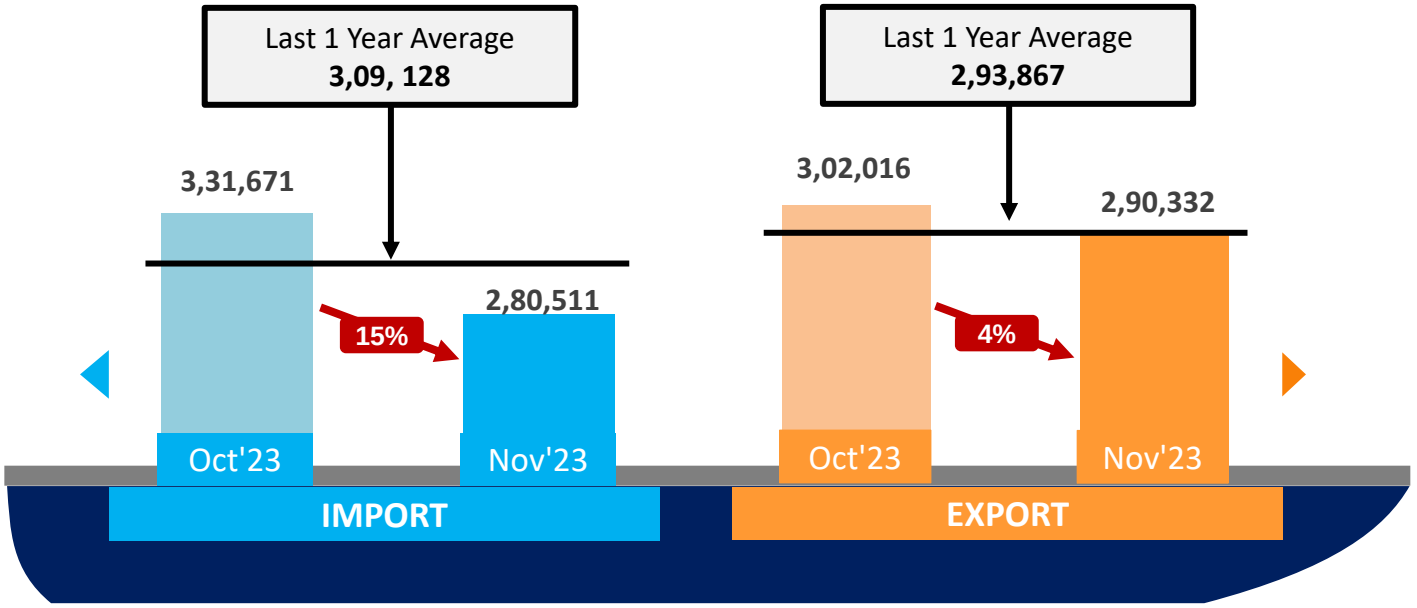
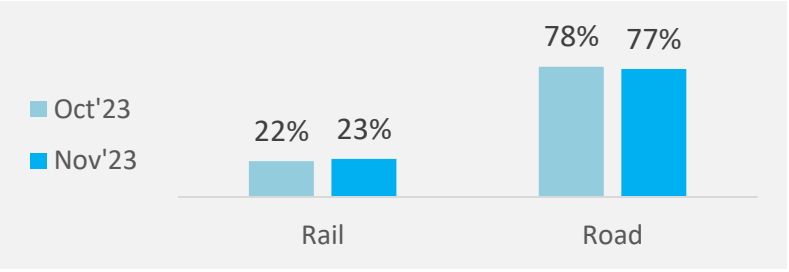
Container Count: **Western Region**

Analysis depicts the change in container count during the month of Nov'23 w.r.t the last month(Oct'23) and last 1 year average.

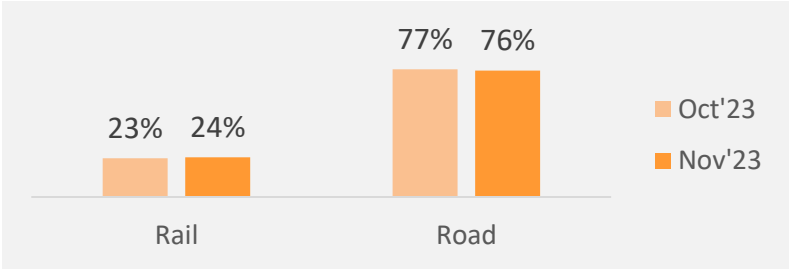
Western Region



Import Volume %



Export Volume %



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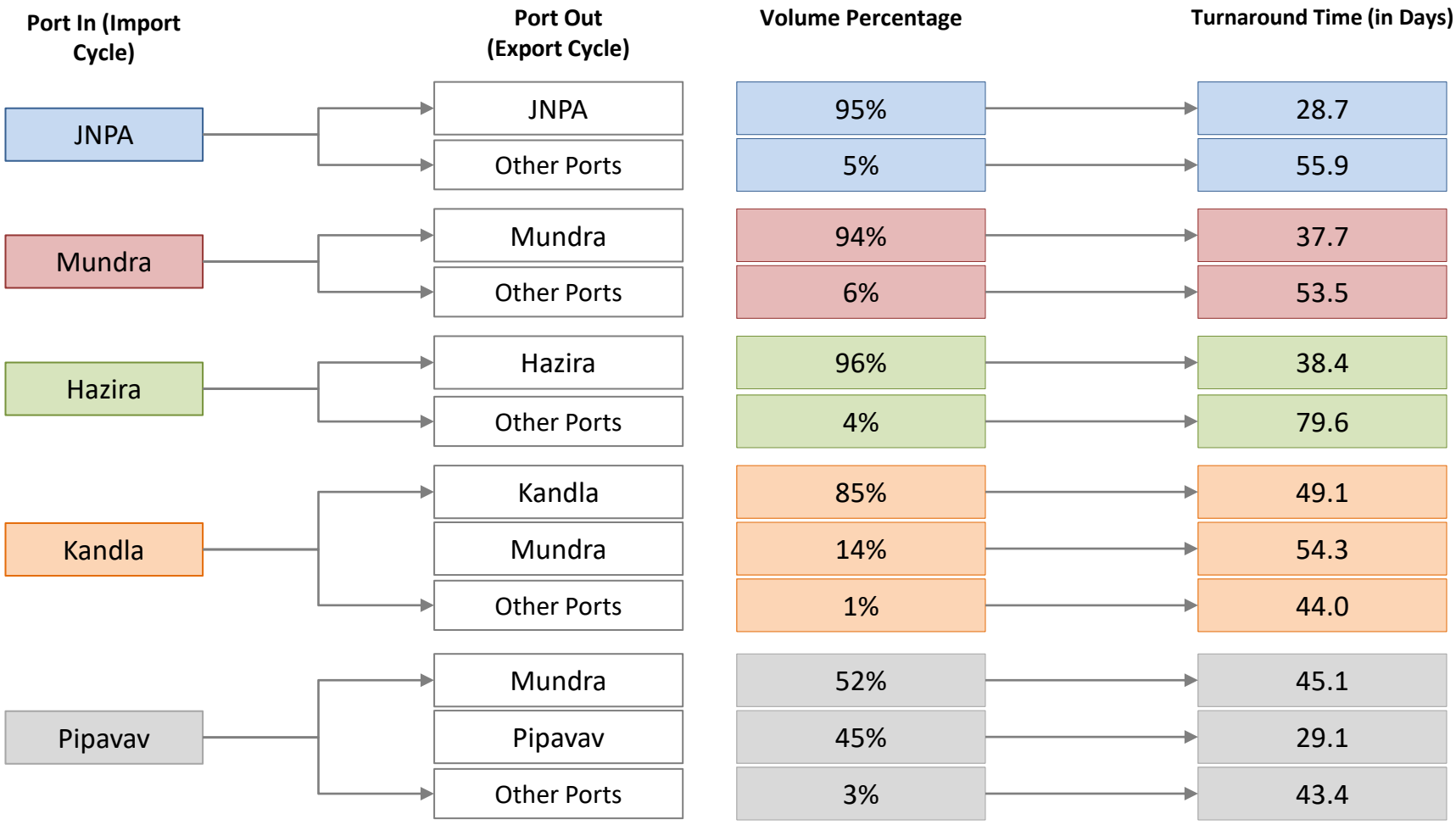
Container Volume and Turnaround Time : **Western Region**

The Container Turnaround Analysis showcase the containers volume percentage retained by the respective ports. Here we have analyzed the number of containers getting imported and exported from the same port along with its time duration from the cycle.



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Container Transportation: **Western Region**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	61.0	61.4	↓
Road	20.9	17.6	↑
Overall	**25.7**	**22.3**	↑

CFS/ ICD Dwell Time

CFS/ ICD

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	87.9	91.7	↓
ICD	135.5	128.2	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	108.1	112.3	↓
Road	76.4	83.7	↓
Overall	**81.0**	**88.3**	↓

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

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

Container Lifecycle (Export Cycle)

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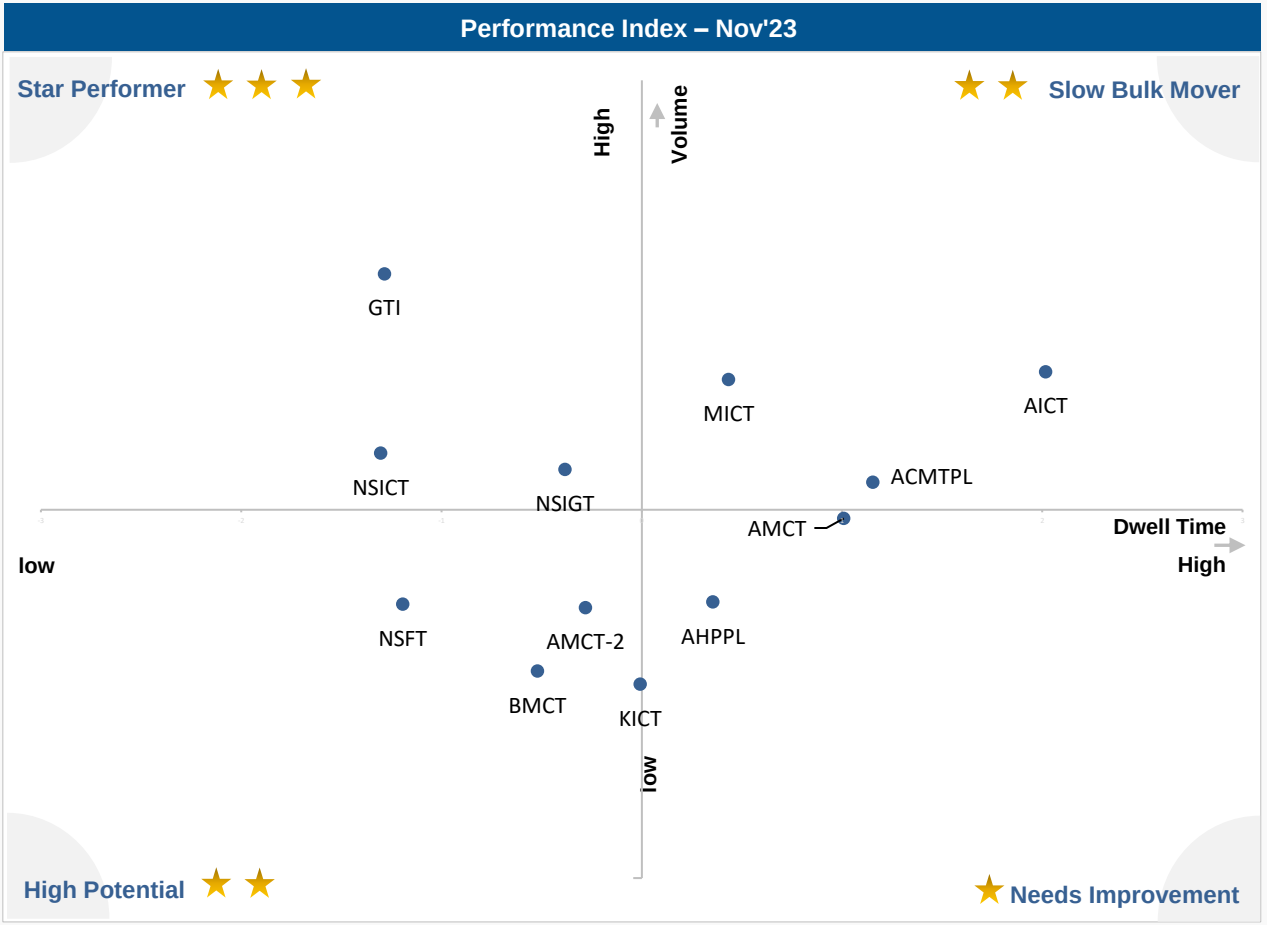
Port Performance Benchmarking: **Western Region**

Top Performing Terminal

Gateway Terminals India (GTI)	
Oct'23	Nov'23
33.8 hrs	35.0 hrs



Low Performing Terminal

Adani Hazira Port Private Limited (AHPPL)	
Oct'23	Nov'23
58.1 hrs	61.1 hrs

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

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

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

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

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

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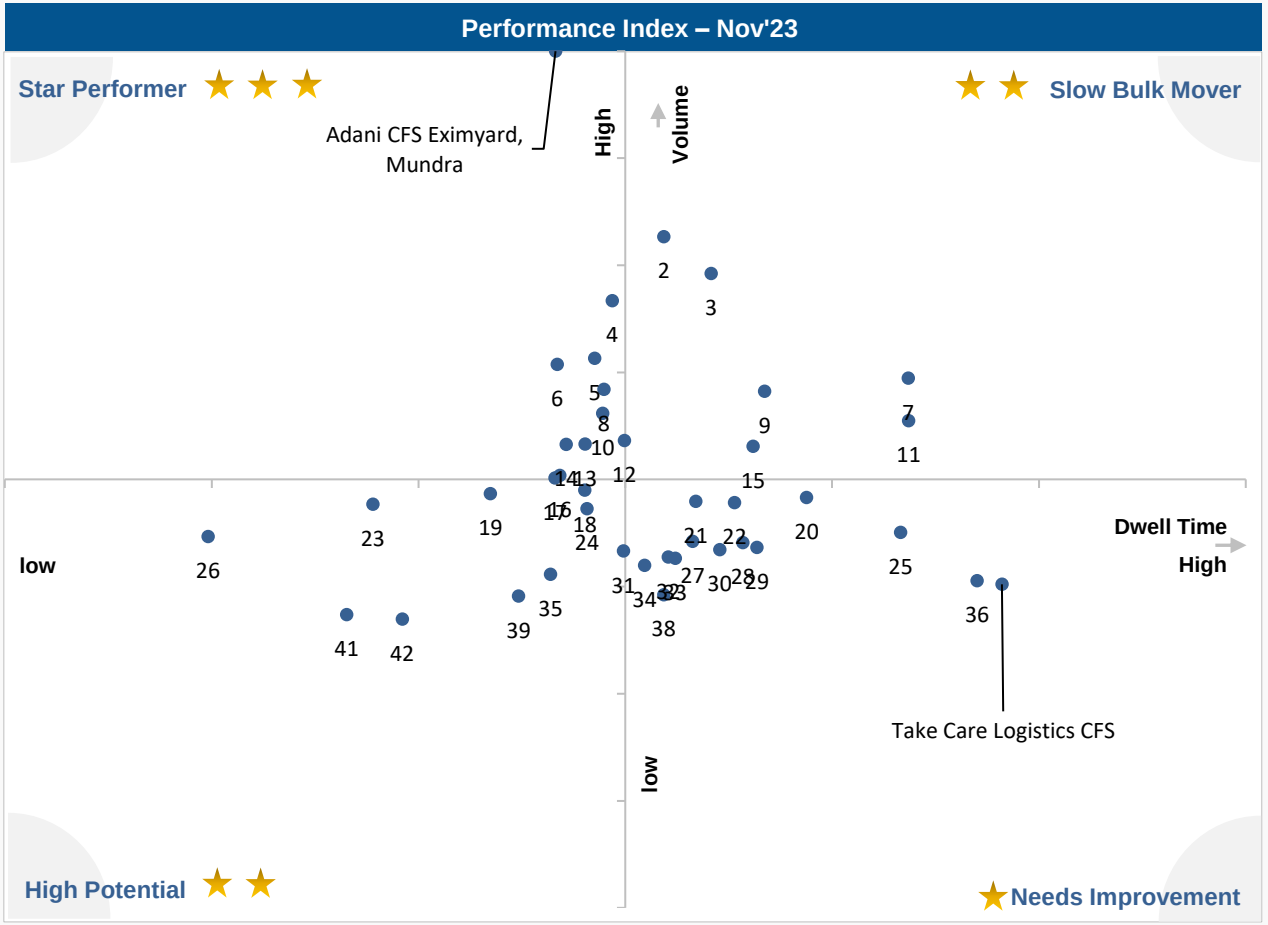
CFS Performance Benchmarking: **Western Region**

Top Performing CFS

Adani CFS Eximyard, Mundra	
Oct'23	Nov'23
91.6 hrs	84.0 hrs



Low Performing CFS

Take Care Logistics CFS	
Oct'23	Nov'23
104.4 hrs	123.7 hrs

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

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

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

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

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

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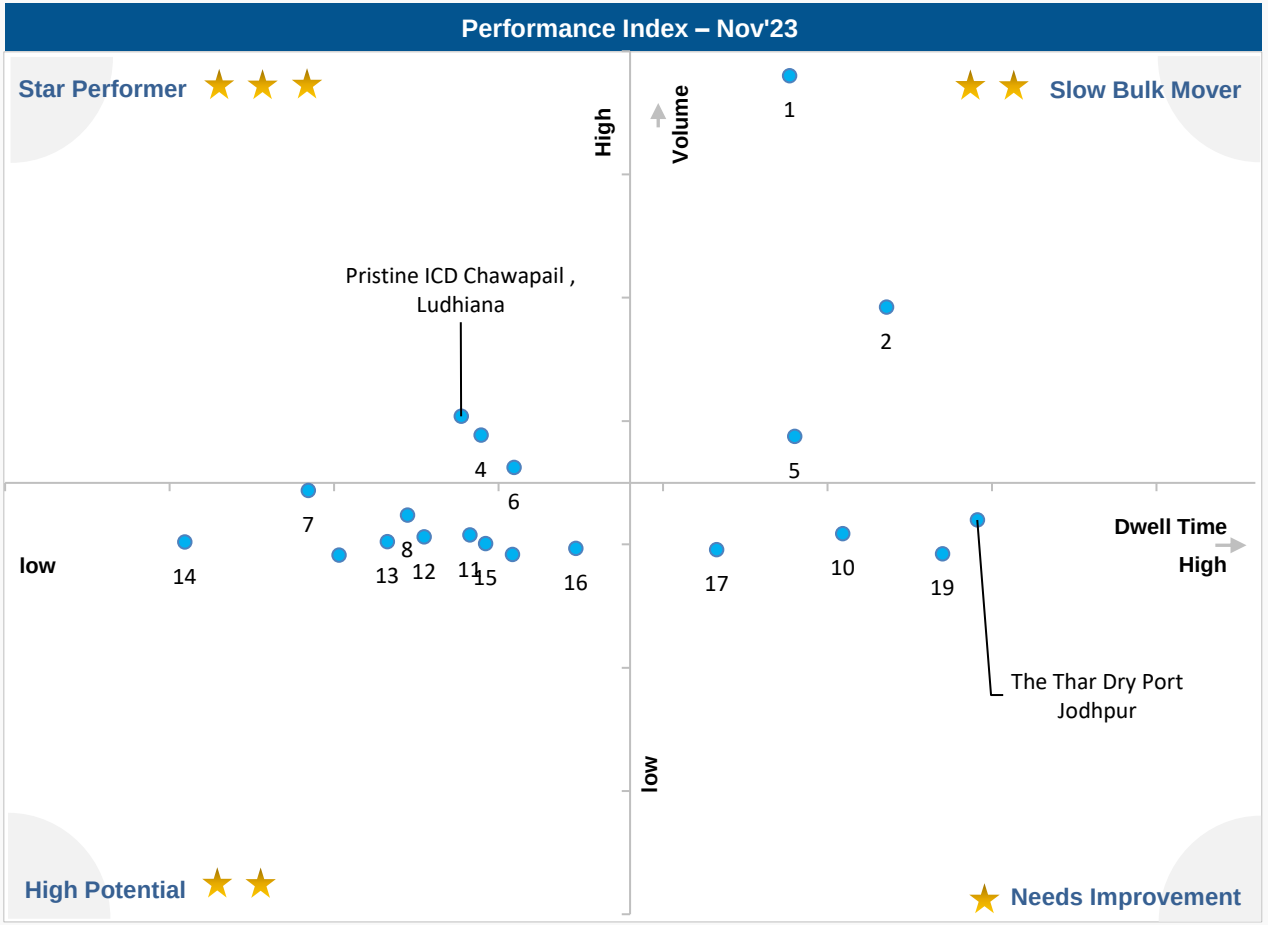
ICD Performance Benchmarking: **Western Region**

Top Performing ICD

Pristine ICD Chawapail , Ludhiana	
Oct'23	Nov'23
137.1 hrs	107.8 hrs



Low Performing ICD

The Thar Dry Port Jodhpur	
Oct'23	Nov'23
116.8 hrs	151.7 hrs

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

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

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

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

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

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Container Transportation: **JNPA Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	55.0	53.1	↑
Road	19.1	15.4	↑
Overall	**22.4**	**18.2**	↑

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	2.61	2.40	↑
Port to ICD	84.1	105.5	↓

CFS/ ICD Dwell Time

CFS/ ICD

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	82.7	88.3	↓
ICD	135.5	128.2	↑

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	4.43	3.51	↑
ICD to Port	118.6	105.7	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	73.7	71.0	↑
Road	64.1	69.0	↓
Overall	**65.1**	**69.3**	↓

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

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

Container Lifecycle (Export Cycle)

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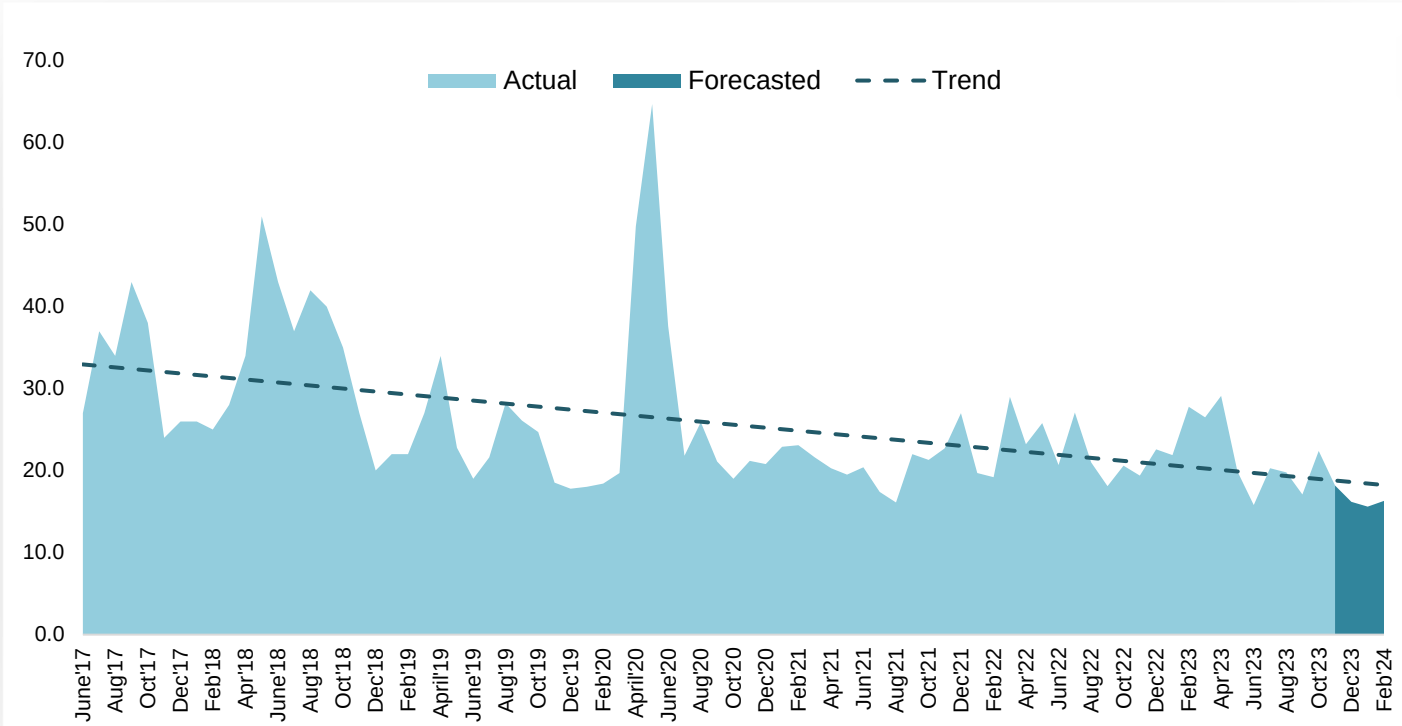
Predictive Analysis: **JNPA Port**



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 Feb'23.

	Sep'23	Oct'23	**Nov'23**	Dec'23	Jan'24	Feb'24
Actual Dwell Time (in hours)	**17.1**	**22.4**	**18.2**	**-**	**-**	**-**
Forecasted Dwell Time (in hours)	**19.2**	**18.5**	**15.8**	**16.2**	**15.6**	**16.3**

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JNPA Port Terminal: Container Transportation

IMPORT CYCLE DWELL TIME (Nov'23 – in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	18.2	18.8% ↑	Compared to Oct'23
	Port Dwell Time for Truck Bound Containers	15.4	19.4% ↑	
	Port Dwell time for Train Bound Containers	53.1	3.5% ↑	
	Port Dwell time Direct Port Delivery (DPD) containers	22.1	13.0% ↑	
	Port Dwell time Containers bound for CFS	14.0	25.9% ↑	
	Port Dwell for Empty Containers	22.0	8.3% ↑	
	Port Dwell for Laden Containers	17.7	20.3% ↑	
Transit time	Port to ICD	105.7	25.7% ↓	
	Port to CFS	2.40	8.0% ↑	

EXPORT CYCLE DWELL TIME (Nov'23– in hrs)				
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	69.3	6.5% ↓	Compared to Oct'23
	Port Dwell Time for Truck Bound Containers	69.0	7.6% ↓	
	Port Dwell time for Train Bound Containers	71.0	3.7% ↑	
	Port Dwell time Direct Port Entry (DPE) containers	76.1	7.8% ↓	
	Port Dwell time Containers bound from CFS	68.4	6.9% ↓	
	Port Dwell for Empty Containers	64.0	7.9% ↓	
	Port Dwell for Laden Containers	71.8	5.3% ↓	
Transit time	ICD to Port	105.7	10.9% ↑	
	CFS to Port	3.51	20.8% ↑	

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

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JNPA Region: Parking Plaza Dwell Time Analysis

Parking Plaza Dwell Time & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume distribution

Gate In - Gate Out	Oct'23 (in hrs)	Nov'23 (in hrs)
Parking Plaza Dwell Time	4.86	5.30

Container Count Percentage: Hour-wise (Nov'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	18%	23%	20%	17%	6%	16%

Gate Out – Terminal In	Oct'23 (in hrs)	Nov'23 (in hrs)
Parking Plaza to JNPA Port	2.03	1.22

Port	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	0.9	1.2
NSICT	2.0	1.2
GTI	1.2	0.5
NSIGT	1.0	1.1
BMCT	7.9	2.8

Container Count Percentage: Hour-wise (Nov'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	67%	6%	22%	6%	0%	0%
NSICT	69%	13%	13%	4%	1%	0%
GTI	88%	10%	1%	1%	0%	0%
NSIGT	72%	21%	5%	2%	0%	1%
BMCT	26%	41%	32%	0%	1%	0%

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Container Transportation: **Mundra Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Train	67.0	67.5	↓
Truck	20.1	18.1	↑
Overall	**28.6**	**25.7**	↑

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	0.86	0.83	↑
Port to ICD	64.7	74.1	↓

CFS/ ICD Dwell Time

CFS/ ICD

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	95.3	97.0	↓
ICD	135.5	128.2	↑

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	0.96	0.73	↑
ICD to Port	78.8	81.6	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Train	126.3	133.9	↓
Truck	90.7	96.4	↓
Overall	**97.5**	**104.5**	↓

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

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

Container Lifecycle (Export Cycle)

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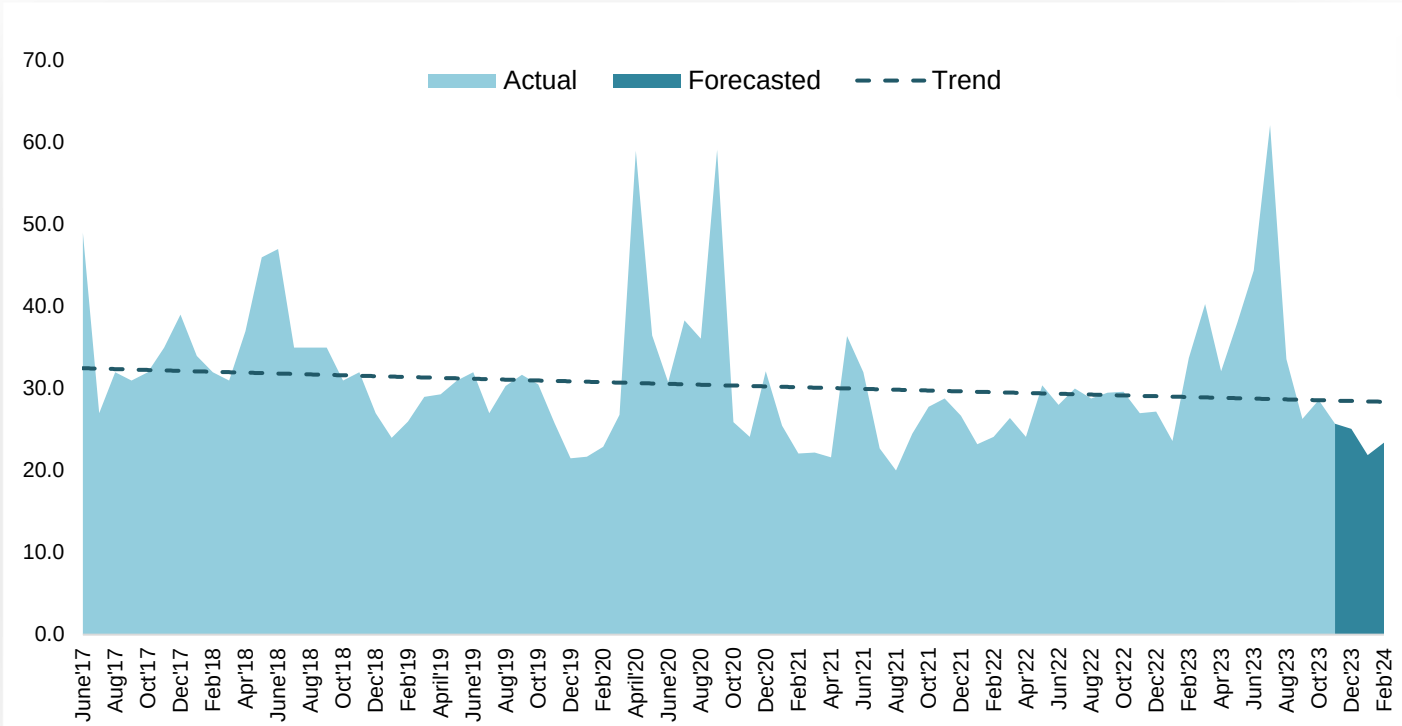
Predictive Analysis: **Mundra Port**



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 Feb'24.

	Sep'23	Oct'23	**Nov'23**	Dec'23	Jan'24	Feb'24
Actual Dwell Time (in hours)	**26.3**	**28.6**	**25.7**	**-**	**-**	**-**
Forecasted Dwell Time (in hours)	**29.7**	**25.1**	**25.0**	**25.1**	**21.9**	**23.4**

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Mundra Port Terminal: Container Transportation

IMPORT CYCLE DWELL TIME (Nov'23– in hrs)			
Port dwell time	Overall Dwell Time of Road and Rail Bound Containers	25.7	10.1% ↑
	Port Dwell Time for Road Bound Containers	18.1	10.0% ↑
	Port Dwell time for Rail Bound Containers	67.5	0.7% ↓
Transit time	Port to ICD	74.1	14.5% ↓
	Port to CFS	0.83	3.5% ↑

EXPORT CYCLE DWELL TIME (Nov'23– in hrs)			
Port dwell time	Overall Dwell Time of Road and Rail Bound Containers	104.5	7.2% ↓
	Port Dwell Time for Road Bound Containers	96.4	6.3% ↓
	Port Dwell time for Rail Bound Containers	133.9	6.0% ↓
Transit time	ICD to Port	81.6	3.6% ↓
	CFS to Port	0.73	24.0% ↑

Compared to Oct'23

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

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Container Transportation: **Pipavav Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	53.3	57.0	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	75.0	82.8	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	99.8	102.7	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Kandla Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	62.1	46.3	↑

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	82.1	85.5	↓

Port Dwell Time – Export Cycle

Container Lifecycle (Export Cycle)

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

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

Container Transportation: **Hazira Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	35.9	27.1	↑

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	100.9	104.1	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	96.3	124.8	↓

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

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

Container Lifecycle (Export Cycle)

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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	JNPA	Khaniwade –NH8	94	14.7
	Khaniwade – NH8	Charoti – NH8	50	34.6
	Charoti – NH8	Boriach	126	20.3
	Boriach	Bharthan	142	35.3
	Bharthan	Vasad	60	36.0
JNPA to Khedshivpur	JNPA	Khalapur – NH4	60	-
	Khalalpur – NH4	Khedshivpur – NH4	105	30.4
Mundra to Bhalgam	Mundra	Mokha – NH8A	28	23.6
	Mokha – NH8A	Makhel - NH15	150	23.0
	Makhel - NH15	Bhalgam - NH15	108	35.5
Mundra to Surajbari	Mundra	Mokha – NH8A	28	23.6
	Mokha – NH8A	Surajbari – NH27	115	5.9

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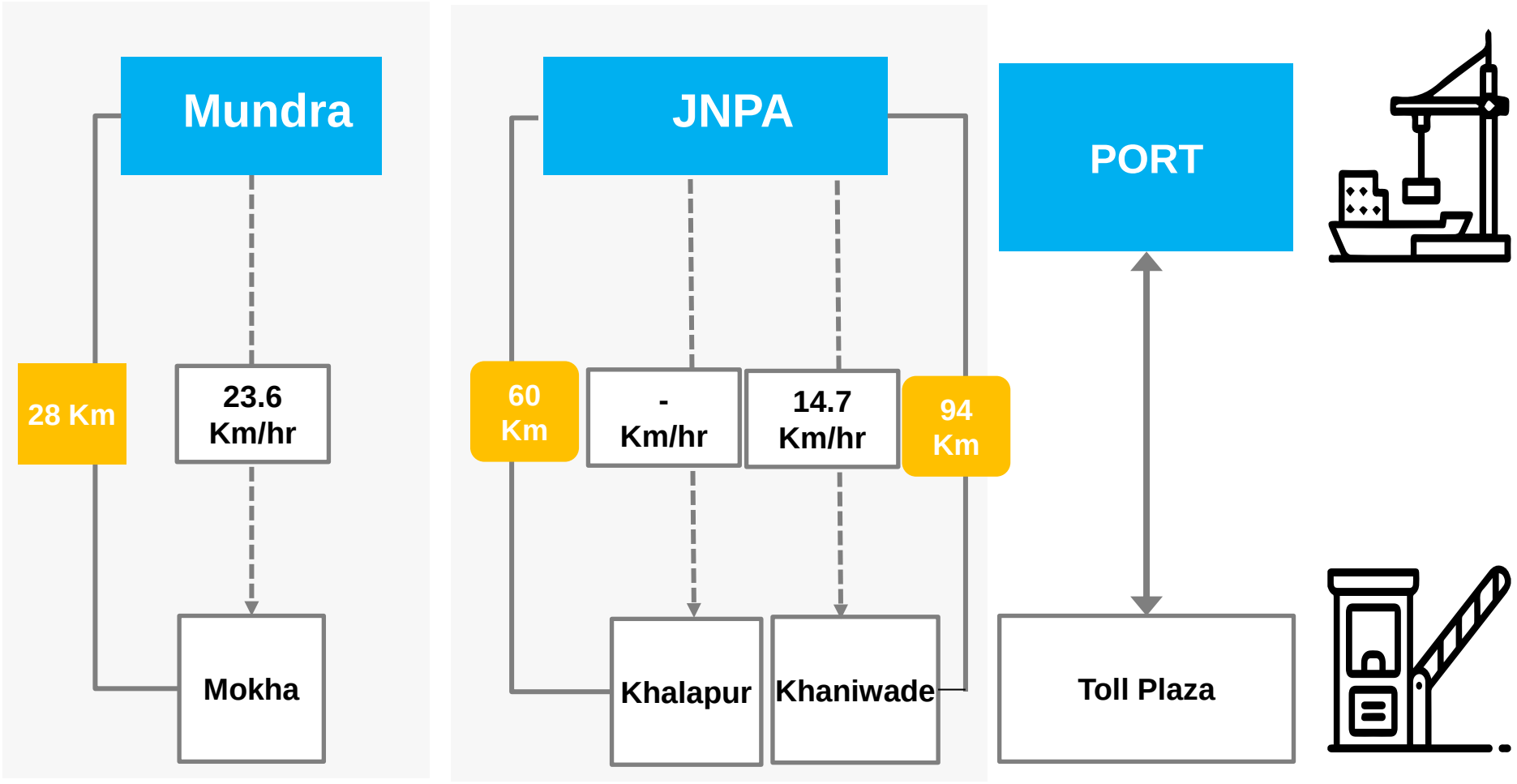
Evacuation Efficiency Analysis: **Western Region**

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



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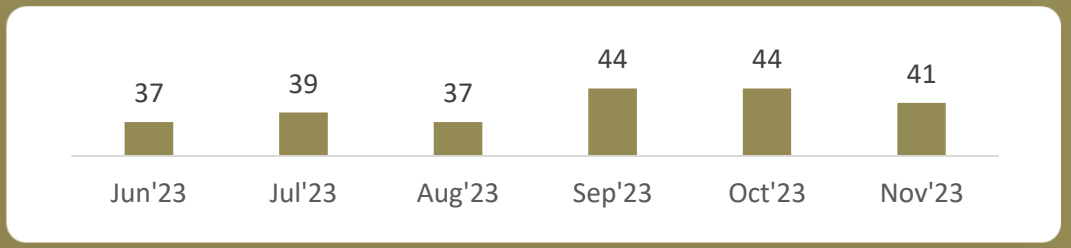
03
SOUTHERN REGION PERFORMANCE

Import Cycle Dwell Time Performance: **Southern Region**

IMPORT

Southern Region

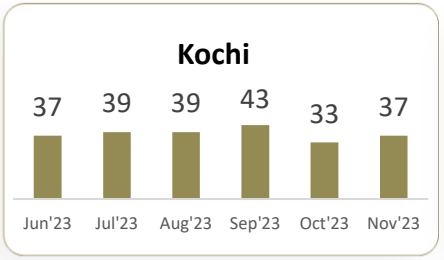


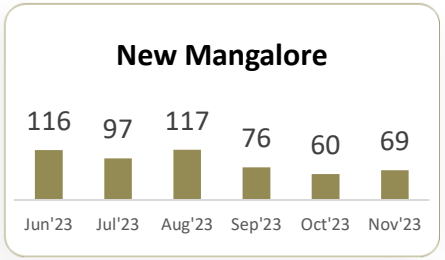
PAN India Average

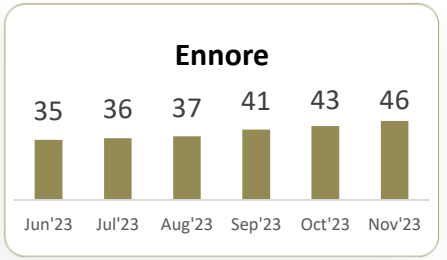
29.1 Hrs.

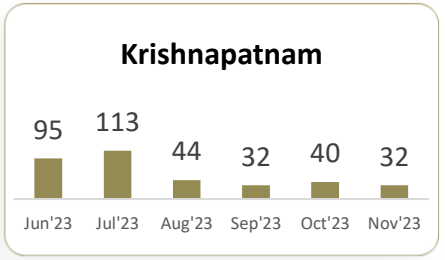
(Nov'23)

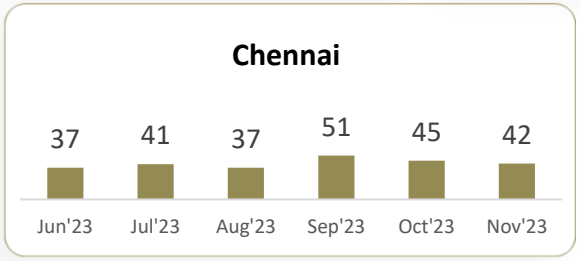
Ports

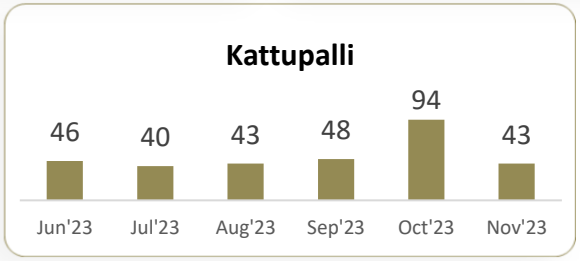


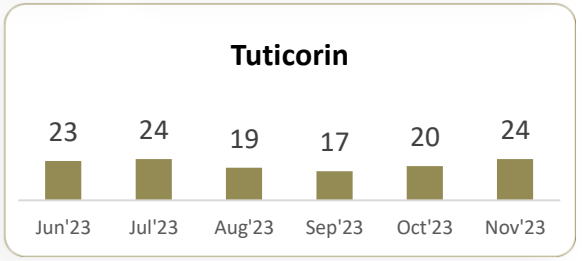




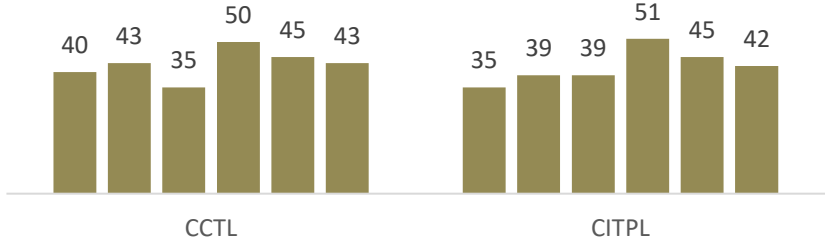


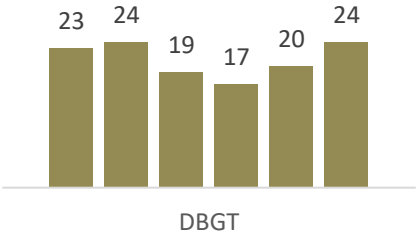






Terminals





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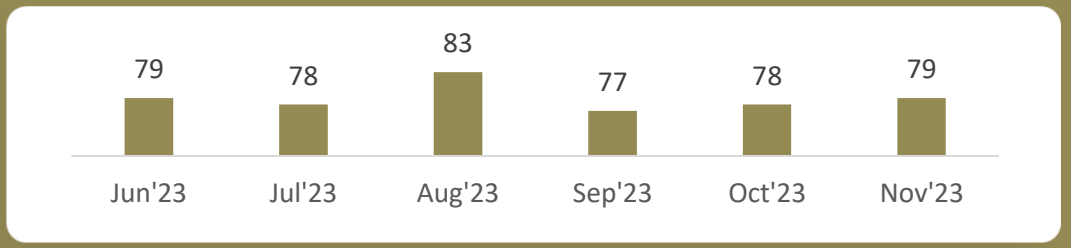
Export Cycle Dwell Time Performance: **Southern Region**

EXPORT

Southern Region

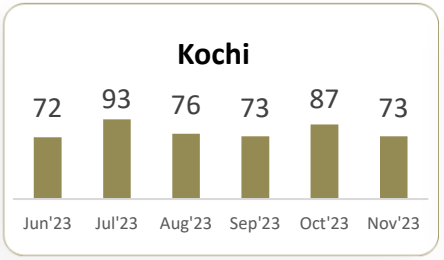


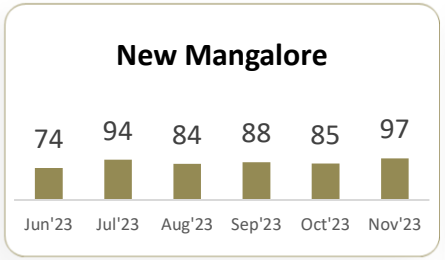
PAN India Average

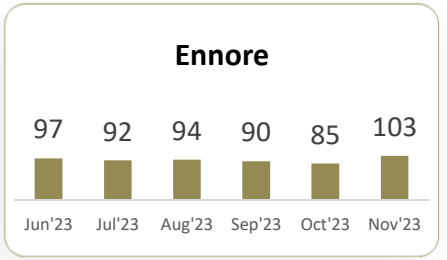
86.0 Hrs.

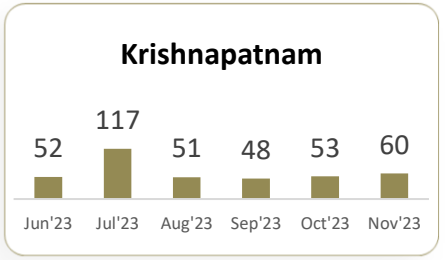
(Nov'23)

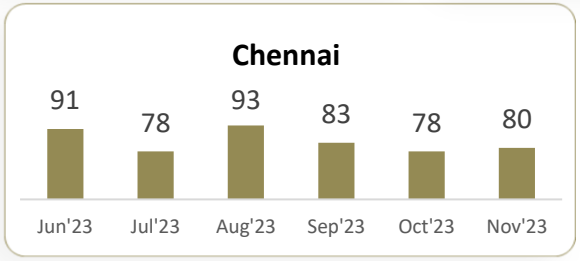
Ports

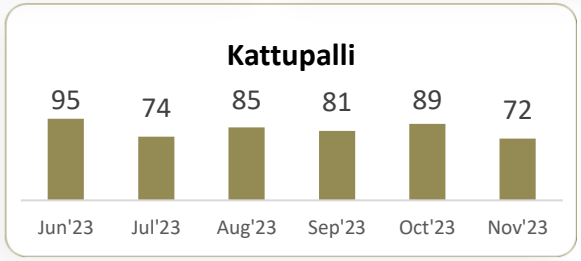


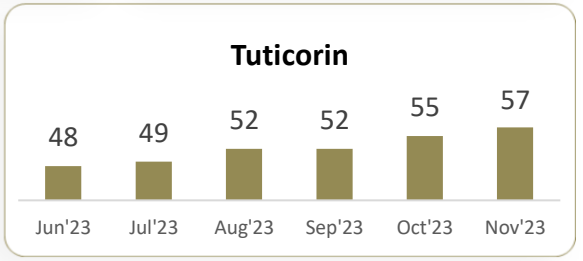




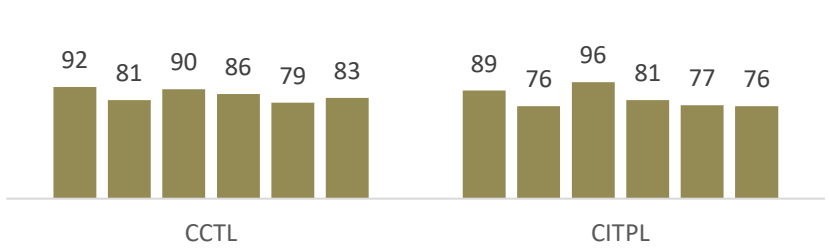


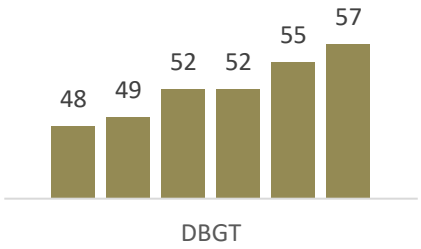






Terminals





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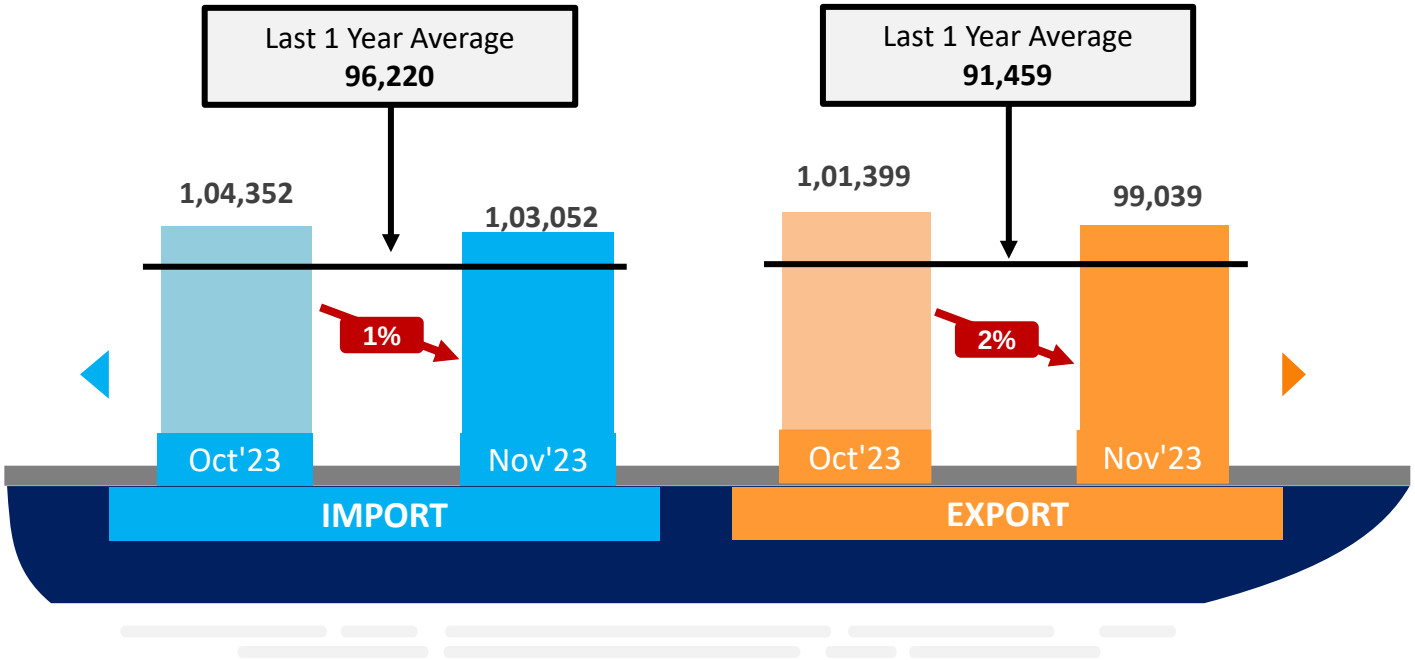
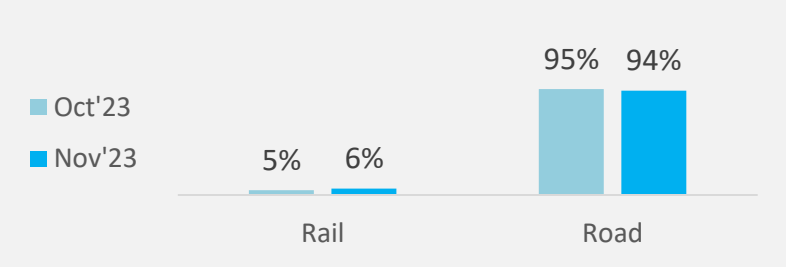
Container Count: **Southern Region**

Analysis depicts the change in container count during the month of Nov'23 w.r.t the last month(Oct'23) and last 1 year average.

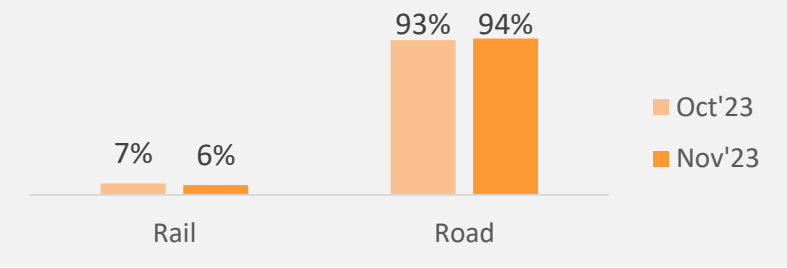
Southern Region



Import Volume



Export Volume



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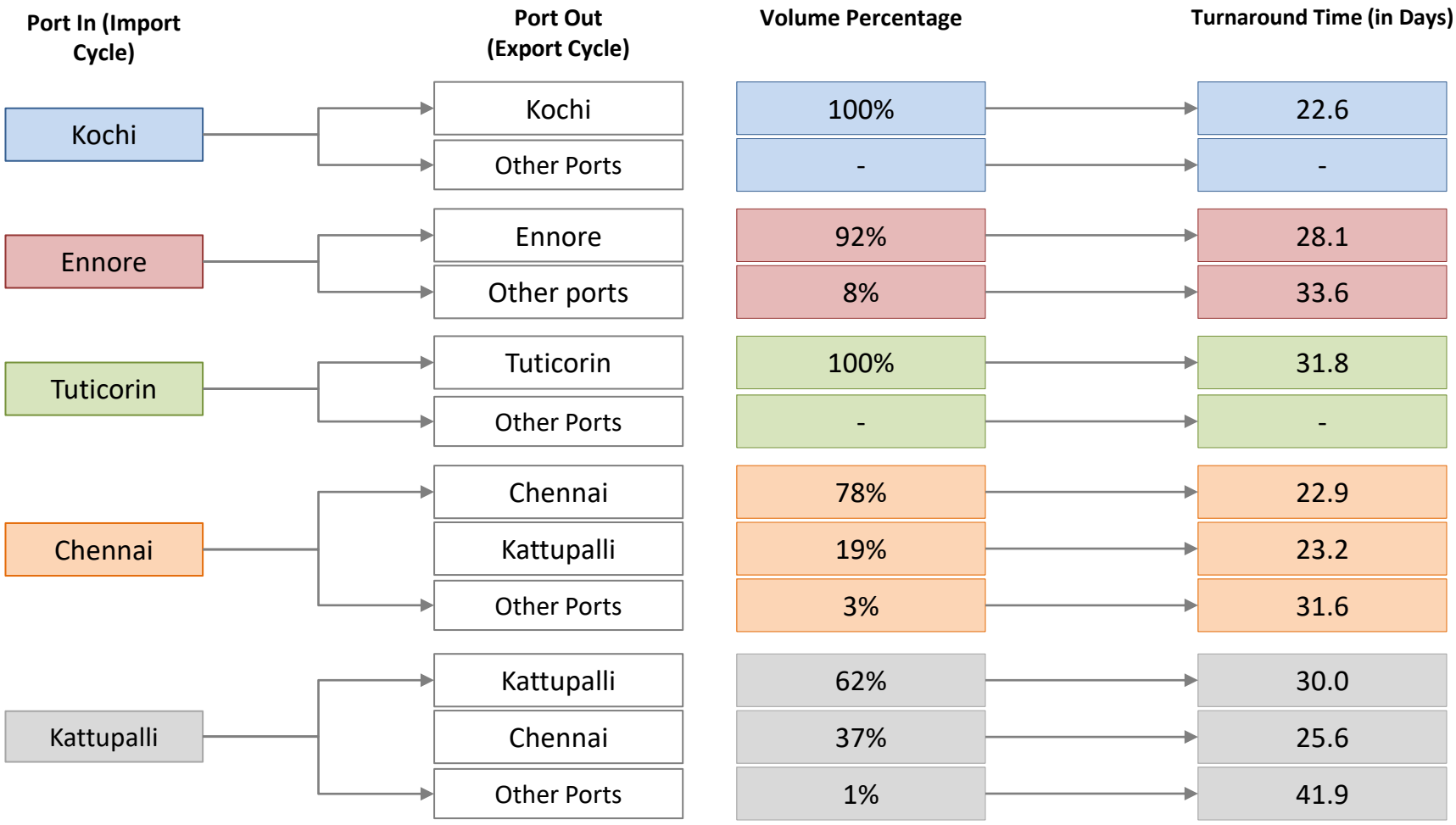
Container Volume and Turnaround Time: **Southern Region**

The Container Turnaround Analysis showcase the containers volume percentage retained by the respective ports. Here we have analyzed the number of containers getting imported and exported from the same port along with its time duration from the cycle.



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Container Transportation: **Southern Region**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	37.2	48.7	↓
Road	44.2	40.9	↑
Overall	**43.9**	**41.1**	↑

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	106.7	110.1	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	87.4	102.2	↓
Road	77.2	78.3	↓
Overall	**77.6**	**79.3**	↓

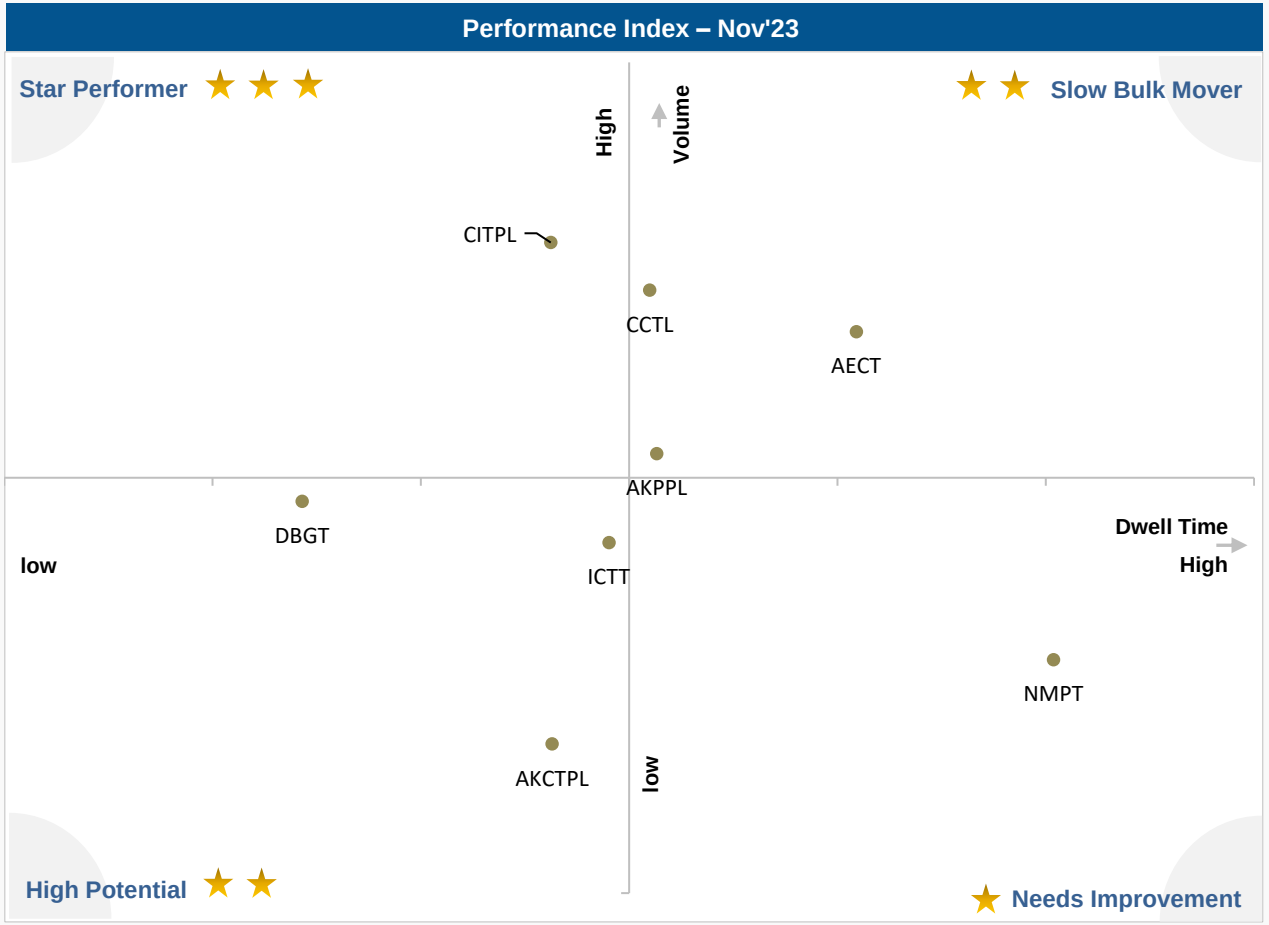
↑ **The marked entries showcase increase in performance in comparison to Oct'23**

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

Container Lifecycle (Export Cycle)

© NICDC Logistics Data Services Limited

Port Performance Benchmarking: **Southern Region**



Top Performing Terminal

Chennai International Terminals Pvt Ltd (CITPL)	
Oct'23	Nov'23
58.6 hrs	51.8 hrs

Low Performing Terminal

Managlore container Terminal Pvt. Ltd.	
Oct'23	Nov'23
75.9 hrs	82.4 hrs

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

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

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

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

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

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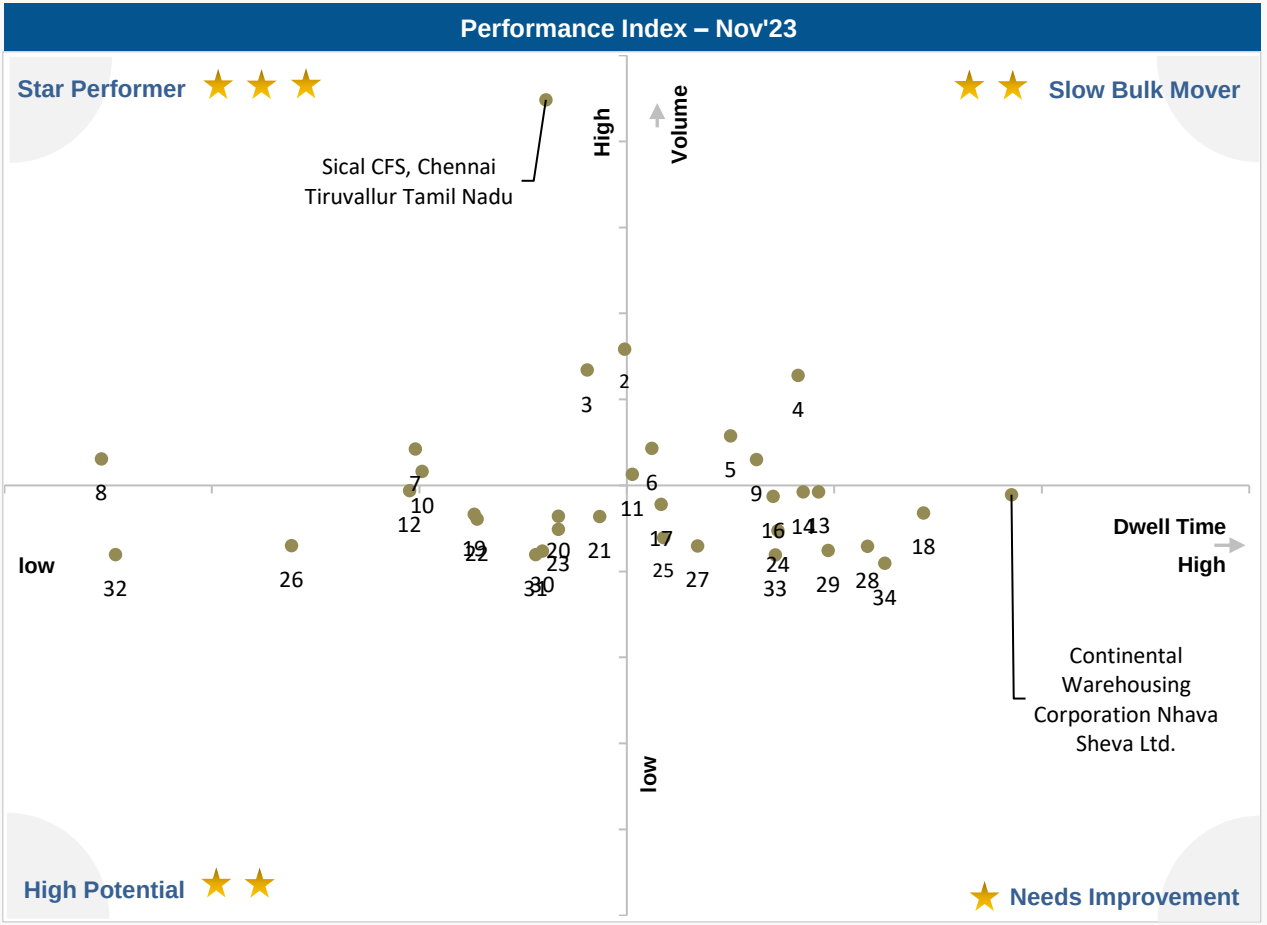
CFS Performance Benchmarking: **Southern Region**

Top Performing CFS

Sical CFS, Chennai Tiruvallur Tamil Nadu	
Oct'23	Nov'23
89.9 hrs	100.2 hrs



Low Performing CFS

Continental Warehousing Corporation Nhava Sheva Ltd.	
Oct'23	Nov'23
166.5 hrs	190.7 hrs

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

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

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

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

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

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Container Transportation: **Chennai Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	17.5	24.2	↓
Road	45.5	42.9	↑
Overall	**44.9**	**42.3**	↑

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	2.68	2.93	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	100.2	102.5	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	9.52	6.94	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	104.1	110.8	↓
Road	77.9	79.1	↓
Overall	**78.4**	**79.5**	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Kochi Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	33.5	37.2	↓

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	0.08	0.12	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	122.9	144.2	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	0.96	0.87	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	87.3	72.9	↑

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

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

Container Lifecycle (Export Cycle)

Container Transportation: **Kattupalli Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	94.0	43.3	↑

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	2.85	2.58	↑

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	100.2	102.5	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	2.38	2.55	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	89.3	72.0	↑

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Tuticorin Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
DBGT	20.0	23.7	↓
Overall	**20.0**	**23.7**	↓

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	1.73	2.05	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	138.9	140.7	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	1.44	1.39	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
DBGT	55.0	57.0	↓
Overall	**55.0**	**57.0**	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Krishnapatnam Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	40.4	32.2	↑

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	116.4	141.9	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	53.0	59.9	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Ennore Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	21.5	24.7	↓
Road	43.6	46.4	↓
Overall	**42.8**	**45.5**	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	100.2	102.5	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	81.9	110.6	↓
Road	84.9	102.1	↓
Overall	**84.8**	**102.7**	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **New Mangalore Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	60.2	68.7	↓

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	84.7	97.4	↓

Port Dwell Time – Export Cycle

- The marked entries showcase increase in performance in comparison to Oct'23
- The marked entries showcase decrease in performance in comparison to Oct'23

Container Lifecycle (Export Cycle)

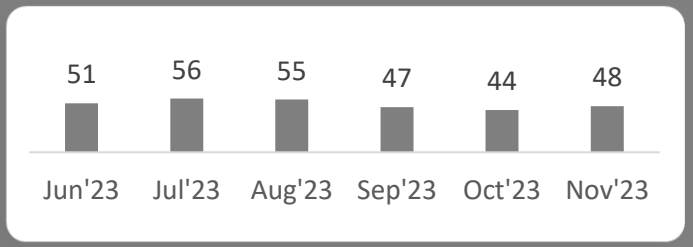
NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

04
EASTERN REGION PERFORMANCE

Import/ Export Cycle Dwell Time Performance: **Eastern Region**

Eastern Region

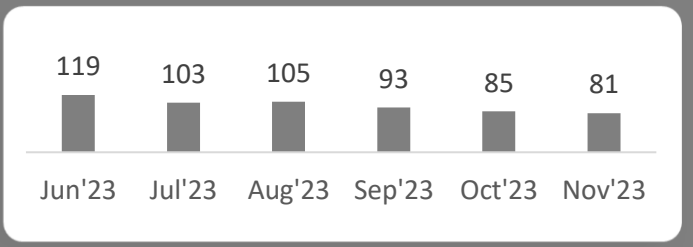
IMPORT



PAN India Average (Nov'23)

29.1 Hrs.

EXPORT



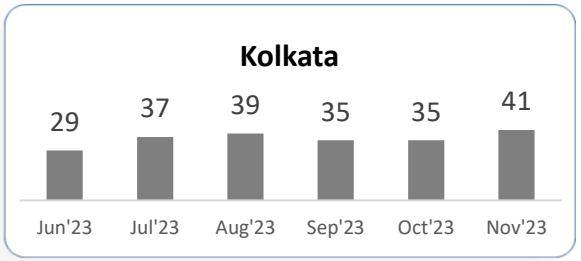
PAN India Average (Nov'23)

86.0 Hrs.

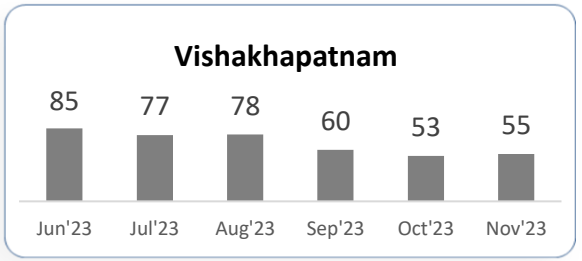
IMPORT

Ports

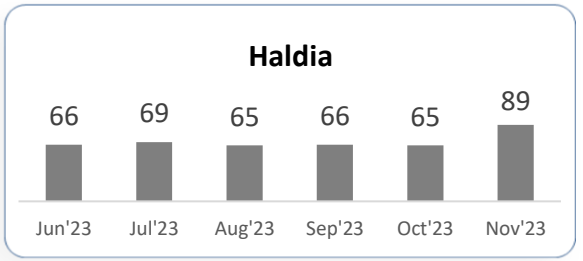
Kolkata



Vishakhapatnam



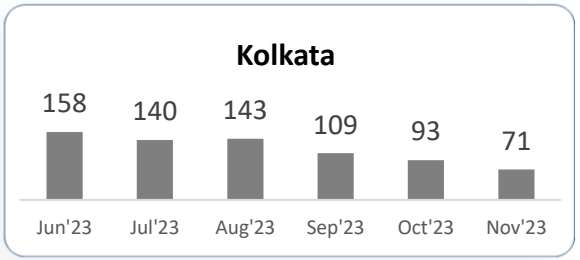
Haldia



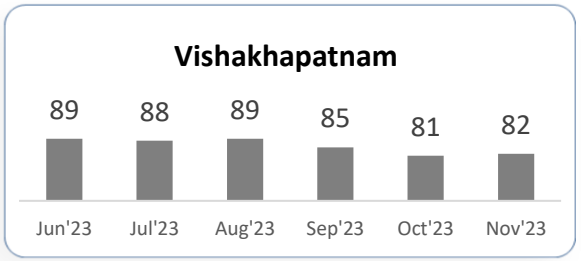
EXPORT

Ports

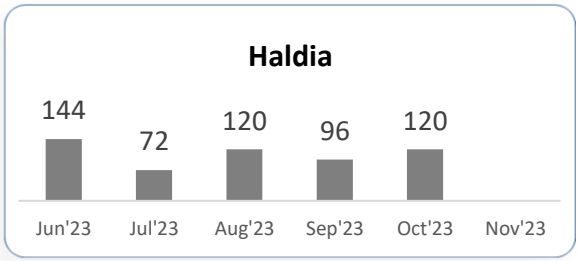
Kolkata



Vishakhapatnam



Haldia



Note: Haldia Port export data has discrepancy.

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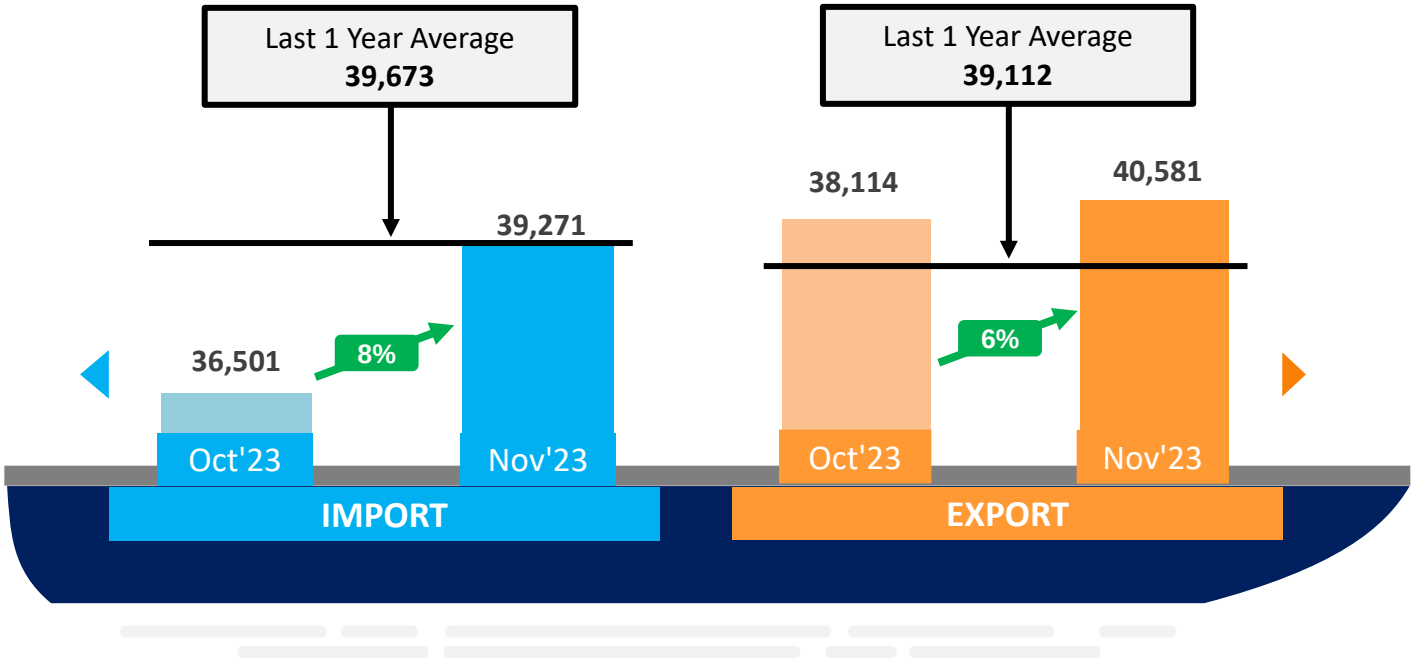
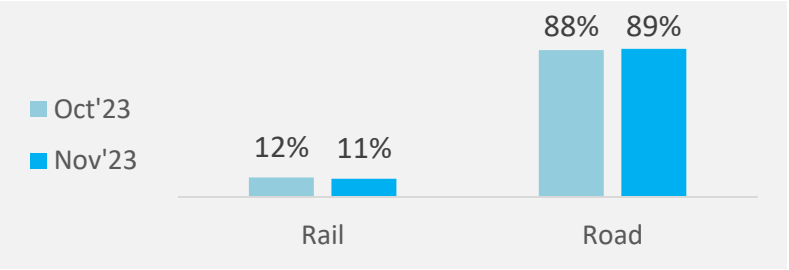
Container Count: **Eastern Region**

Analysis depicts the change in container count during the month of Nov'23 w.r.t the last month(Oct'23) and last 1 year average.

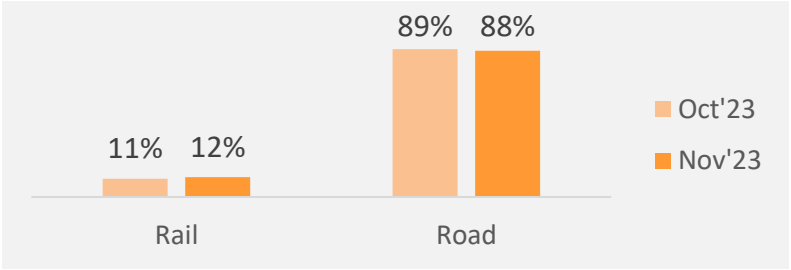
E Eastern Region



Import Volume



Export Volume



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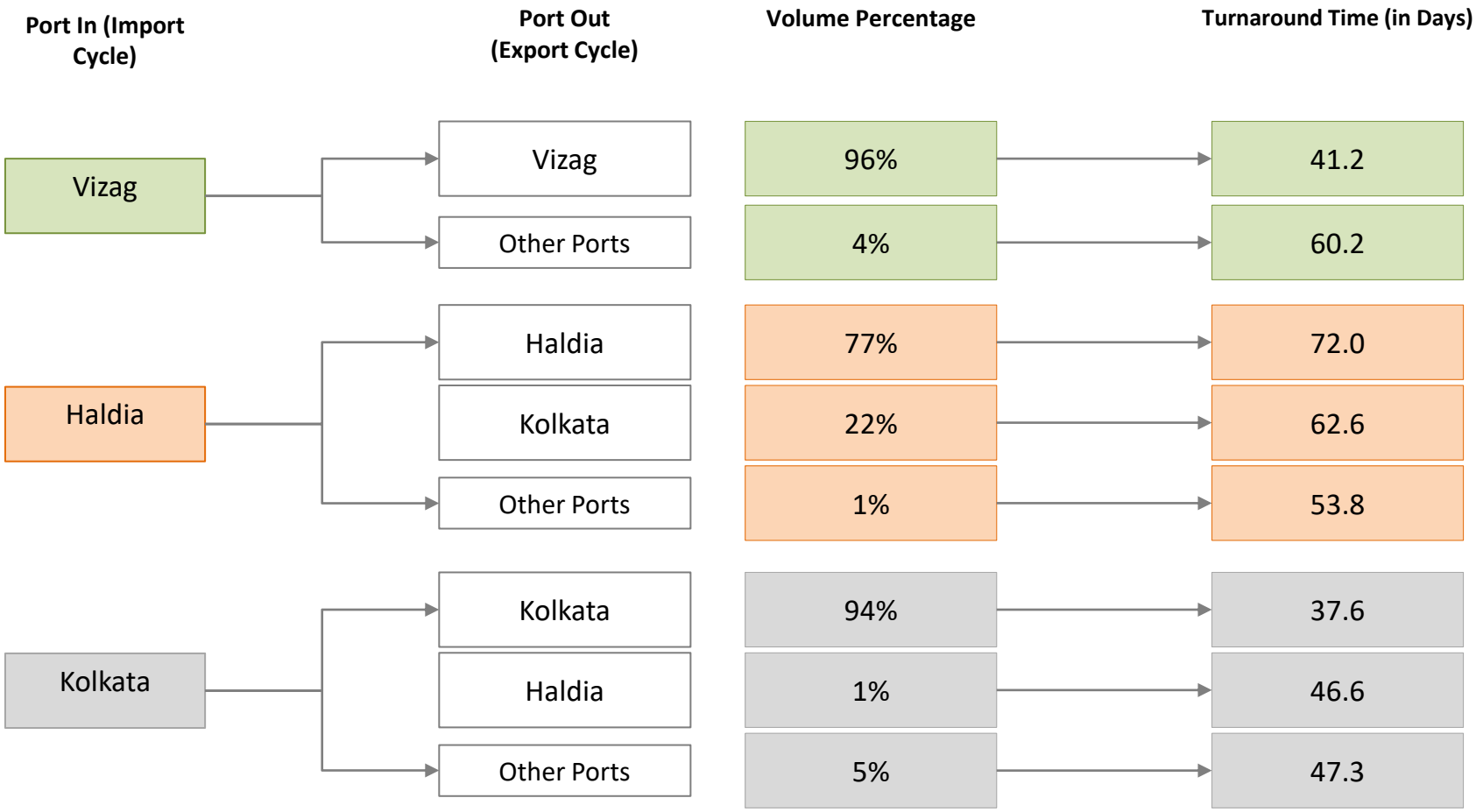
Container Volume and Turnaround Time: **Eastern Region**

The Container Turnaround Analysis showcase the containers volume percentage retained by the respective ports. Here we have analyzed the number of containers getting imported and exported from the same port along with its time duration from the cycle.



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Container Transportation: **Eastern Region**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	235.9	188.6	↑
Road	38.8	43.3	↓
Overall	**43.7**	**48.4**	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	140.8	146.5	↓

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Rail	83.5	113.0	↓
Road	85.4	75.8	↑
Overall	**85.3**	**81.3**	↑

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

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

Container Lifecycle (Export Cycle)

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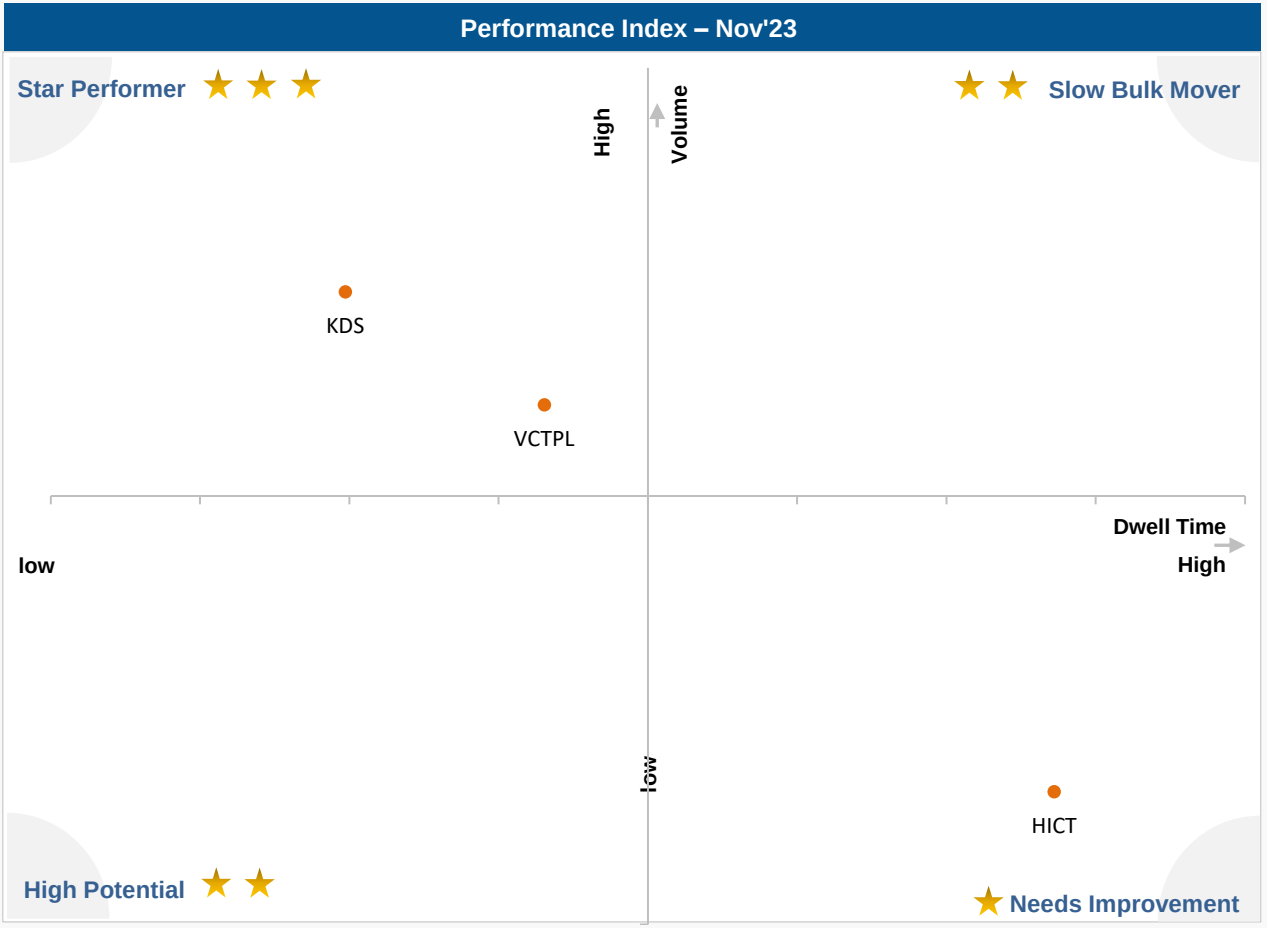
Port Performance Benchmarking: **Eastern Region**

Top Performing Terminal

Kolkata Dock System (KDS), Kolkata Port	
Oct'23	Nov'23 ↑
53.9 hrs	49.9 hrs



Low Performing Terminal

Haldia International Container Terminal (HICT)	
Oct'23	Nov'23 ↓
72.5 hrs	115.5 hrs

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

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

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

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

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

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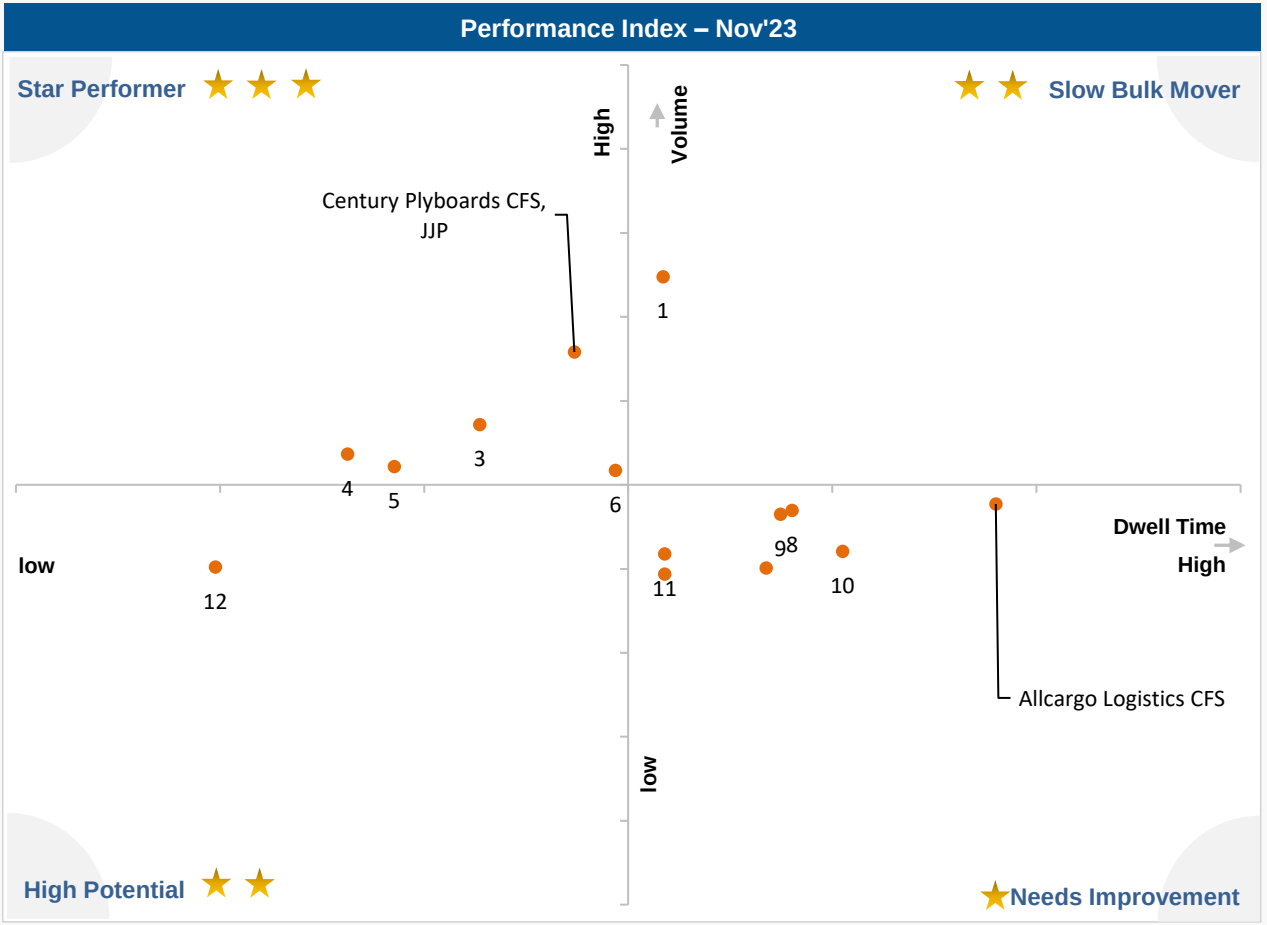
CFS Performance Benchmarking: **Eastern Region**

Top Performing CFS

Century Plyboards CFS, JJP	
Oct'23	Nov'23
128.0 hrs	143.7 hrs



Low Performing CFS

Allcargo Logistics CFS	
Oct'23	Nov'23
159.8 hrs	176.7 hrs

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

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

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

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

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

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Container Transportation: **Visakhapatnam Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	53.3	55.0	↓

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	1.95	1.64	↑

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	163.7	150.1	↑

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	2.02	1.99	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	81.2	82.3	↓

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Kolkata Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	35.5	40.8	↓

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	1.22	1.32	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	133.3	145.5	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	1.23	1.17	↑

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	93.2	70.6	↑

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

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

Container Lifecycle (Export Cycle)

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Container Transportation: **Haldia Port**

Container Lifecycle (Import Cycle)

Port Dwell Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	65.4	89.3	↓

Transit Time – Import Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Port to CFS	2.97	3.04	↓

CFS Dwell Time

CFS

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS	126.5	144.7	↓

Transit Time – Export Cycle

IMPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
CFS to Port	1.68	-	

Port Dwell Time – Export Cycle

EXPORT

	Oct'23 (in hrs)	Nov'23 (in hrs)	
Overall	120.0	-	

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

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

Container Lifecycle (Export Cycle)

Note: Haldia Port export data and CFS to Port transit data has discrepancy.

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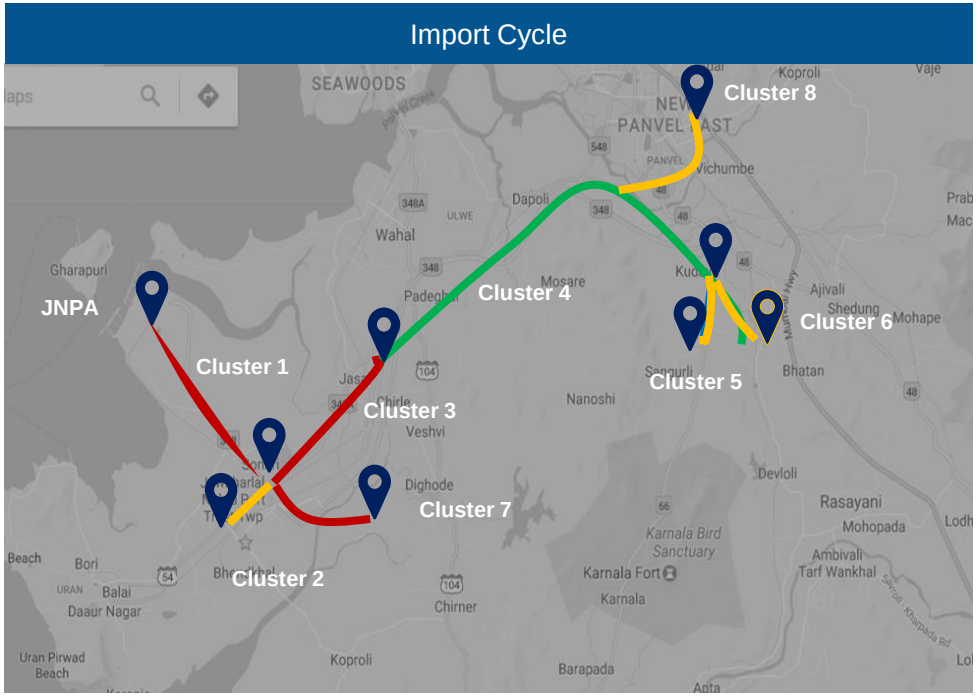
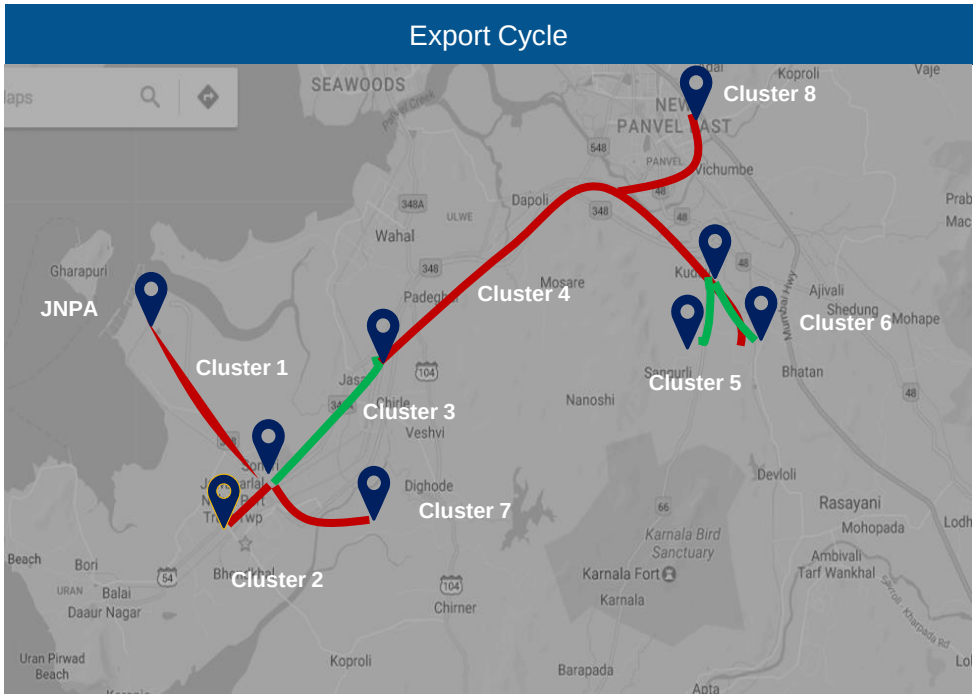
05
CONGESTION ANALYSIS

Congestion Analysis: **JNPA Region**

Import Cycle



Export Cycle



Serial	Cluster Name	Congestion
Cluster 1	JNPA area	Bottleneck
Cluster 2	Bhendkhal area, khopate road	Medium
Cluster 3	Sonari area,JNPA road	Bottleneck
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	Bottleneck
Cluster 8	Taloja, navi mumbai	Medium

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

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

For Congestion Analysis methodology, pls see the Annexure

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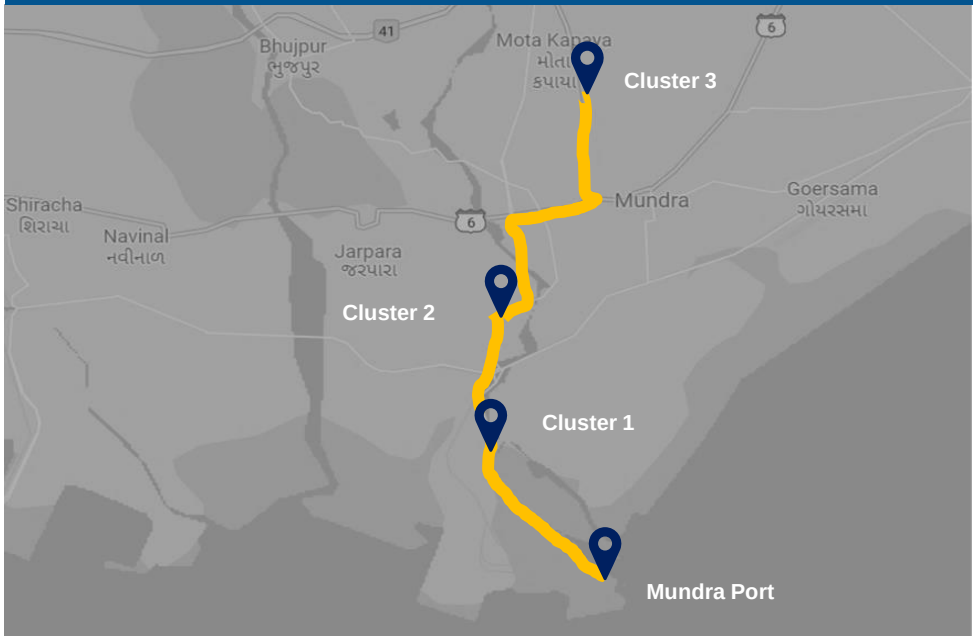
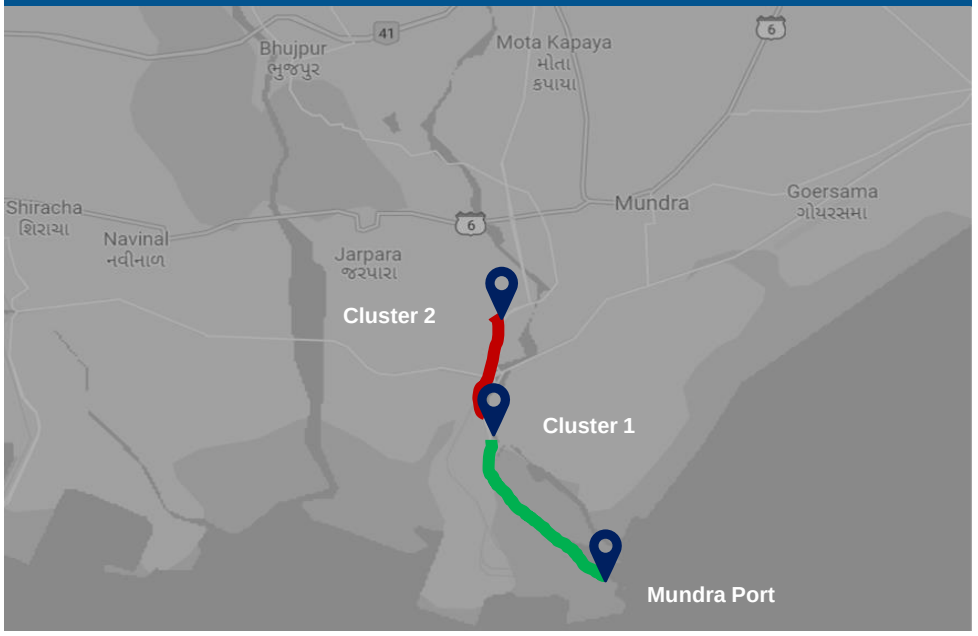
Congestion Analysis: **Mundra Region**

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	Bottleneck
Cluster 3	Motakapaya	-

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

For Congestion Analysis methodology, pls see the Annexure

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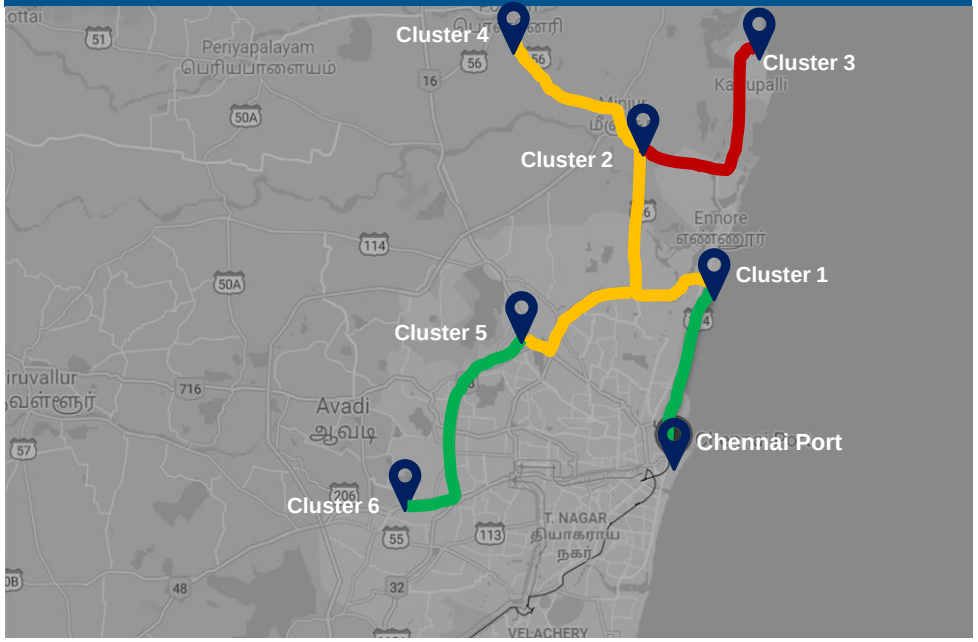
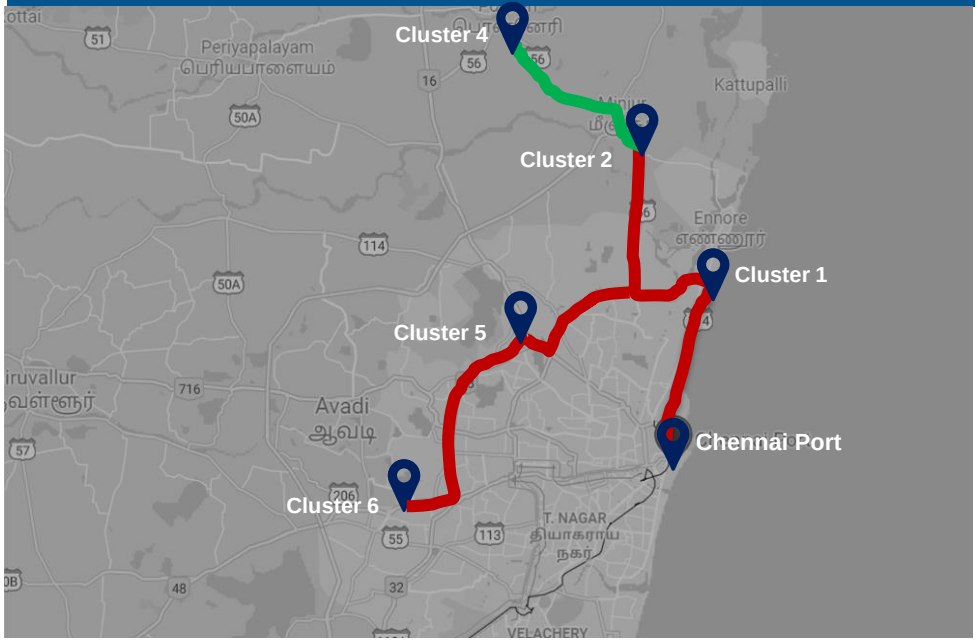
Congestion Analysis: **Chennai Region**

Import Cycle



Serial	Cluster Name	Congestion
Cluster 1	Chennai port bound area	Low
Cluster 2	Aandarkuppam & Vichoor Junction area	Medium
Cluster 3	Chennai central area	Bottleneck
Cluster 4	Kattupalli port bound area	Medium
Cluster 5	Chennai automotive industry area (Irungatukottai)	Medium
Cluster 6	Thiruvallur Outer city bound area	Low

Export Cycle



Serial	Cluster Name	Congestion
Cluster 1	Chennai port bound area	Bottleneck
Cluster 2	Aandarkuppam & Vichoor Junction area	Bottleneck
Cluster 3	Chennai central area	-
Cluster 4	Kattupalli port bound area	Low
Cluster 5	Chennai automotive industry area (Irungatukottai)	Bottleneck
Cluster 6	Thiruvallur Outer city bound area	Bottleneck

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

For Congestion Analysis methodology, pls see the Annexure

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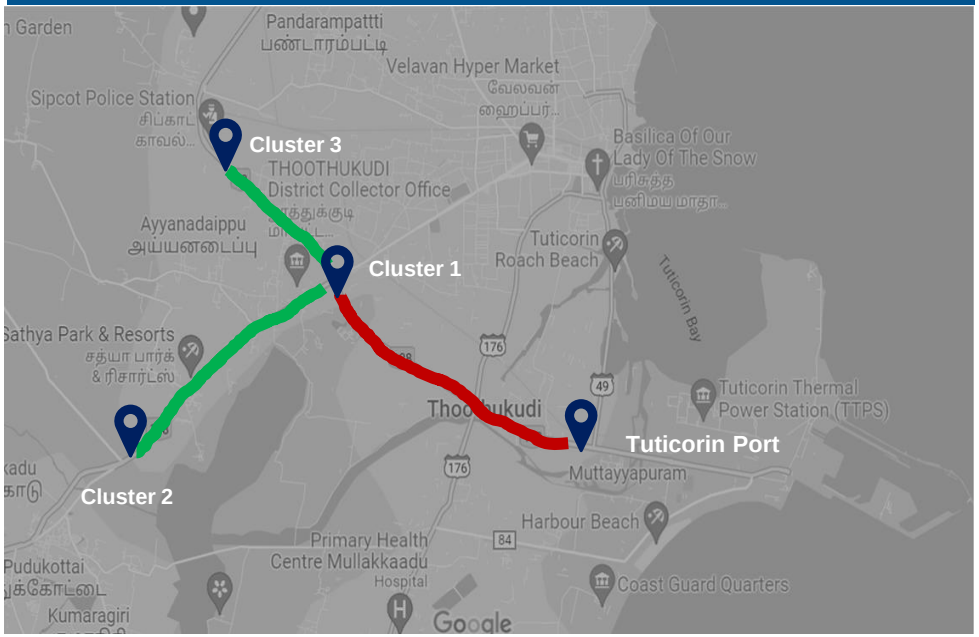
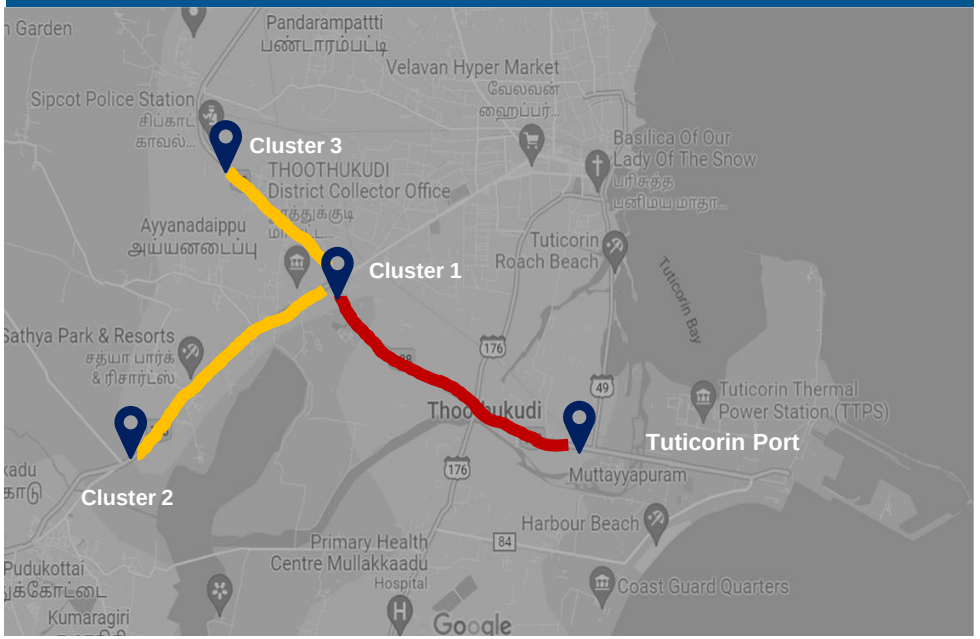
Congestion Analysis: **Tuticorin Region**

Import Cycle



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

Export Cycle



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

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

For Congestion Analysis methodology, pls see the Annexure

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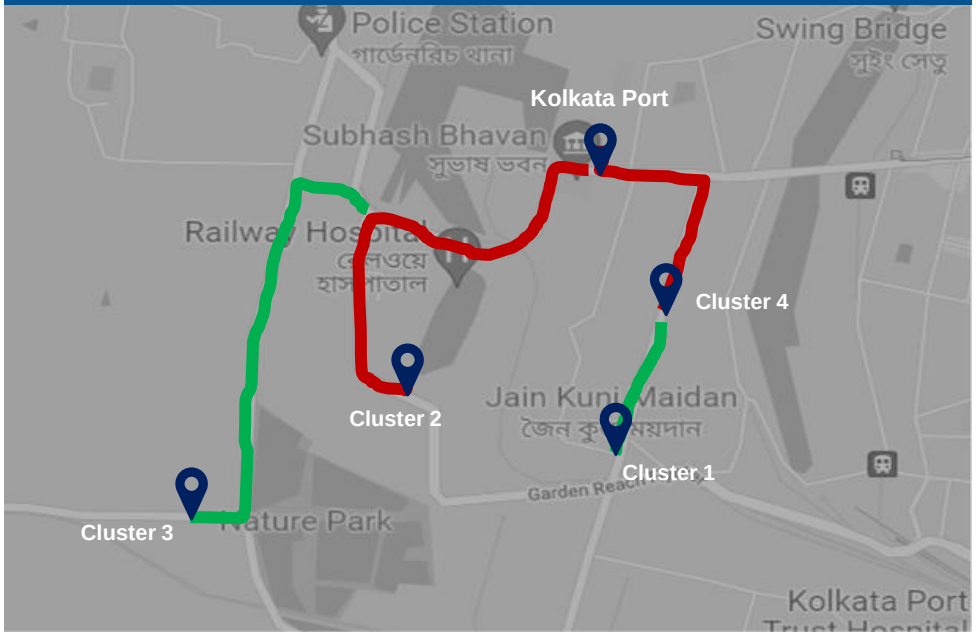
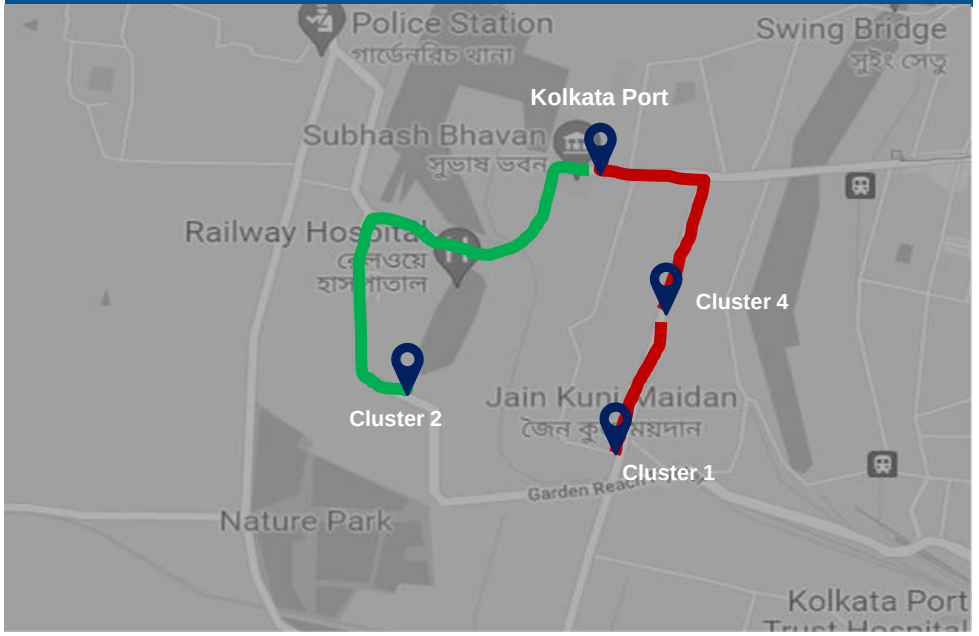
Congestion Analysis: **Kolkata Region**

Import Cycle



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

Export Cycle



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

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

For Congestion Analysis methodology, pls see the Annexure

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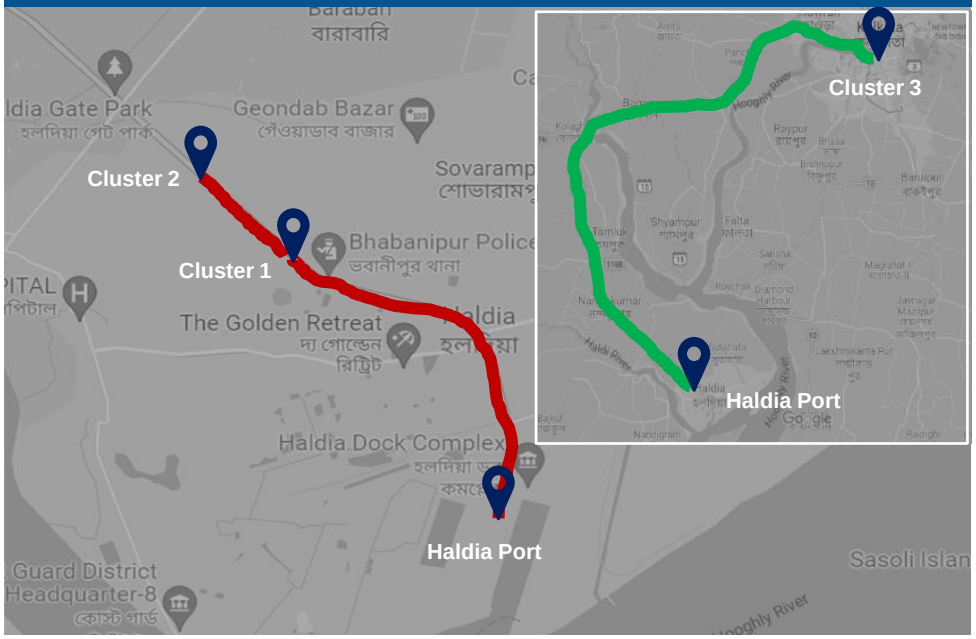
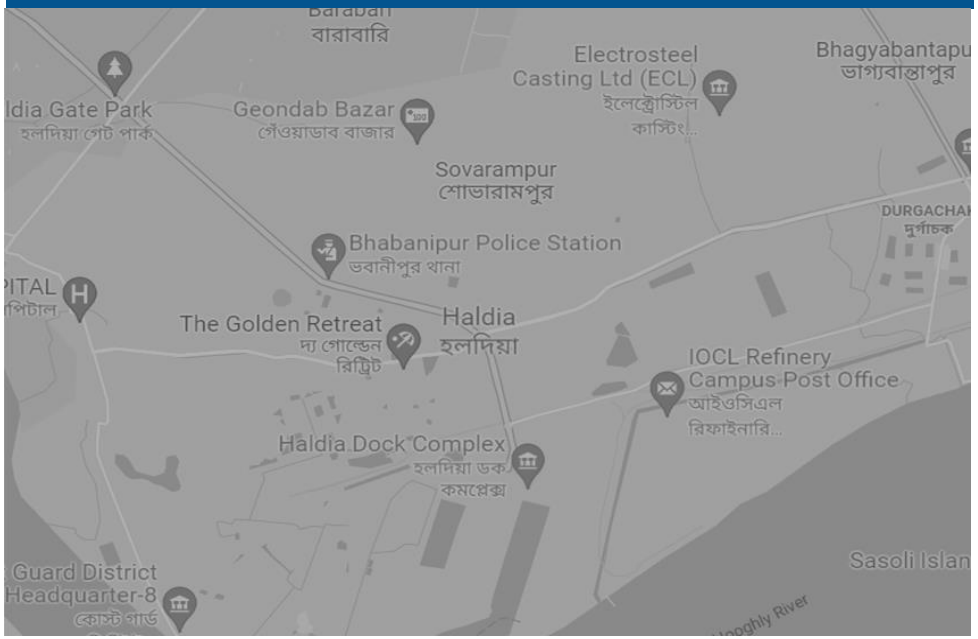
Congestion Analysis: **Haldia Region**

Import Cycle



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

Export Cycle



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

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

For Congestion Analysis methodology, pls see the Annexure

Note: Haldia CFS to Port transit data has discrepancy.

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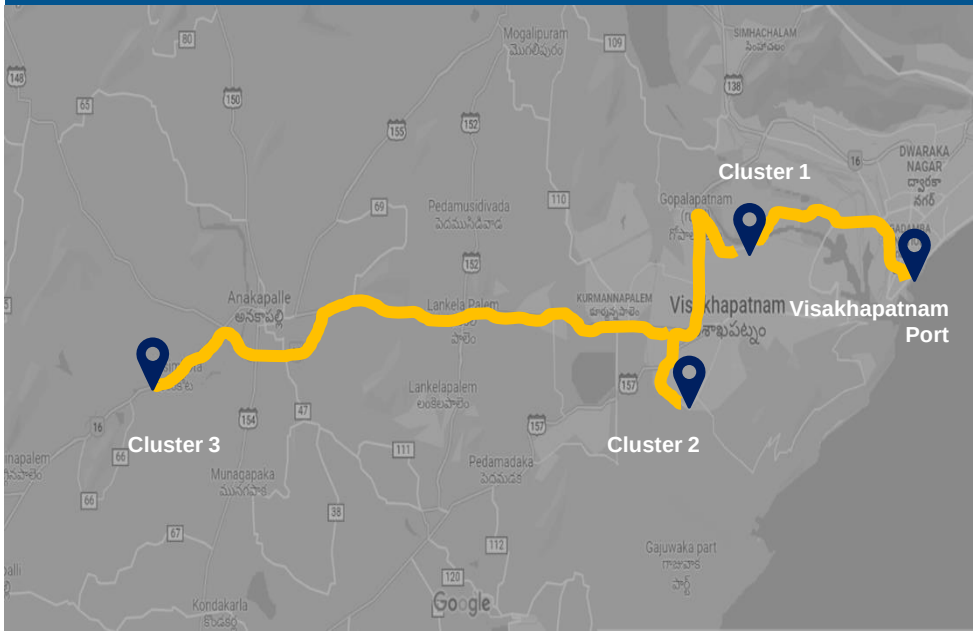
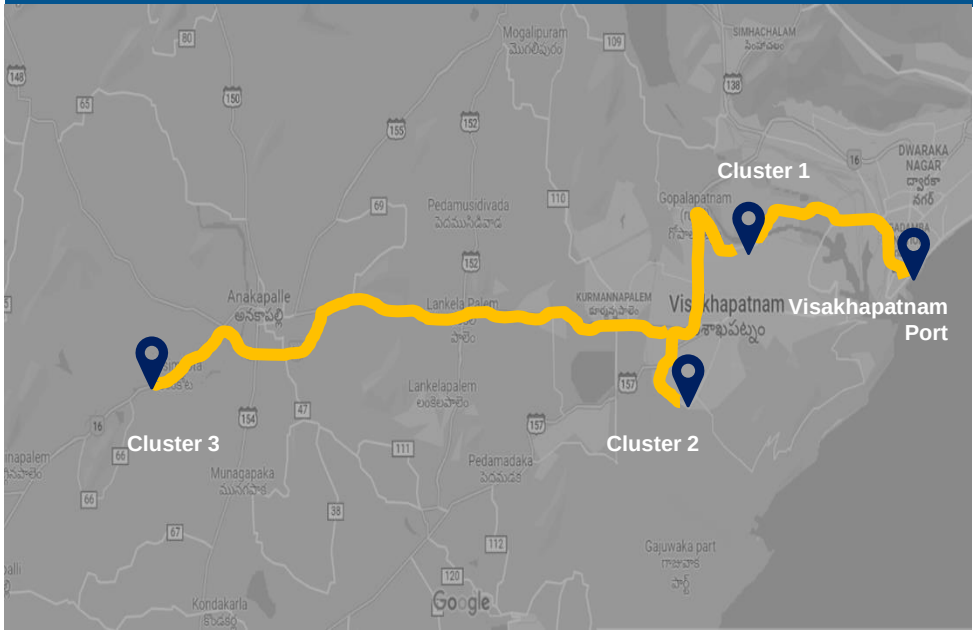
Congestion Analysis: **Visakhapatnam Region**

Import 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

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

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

For Congestion Analysis methodology, pls see the Annexure

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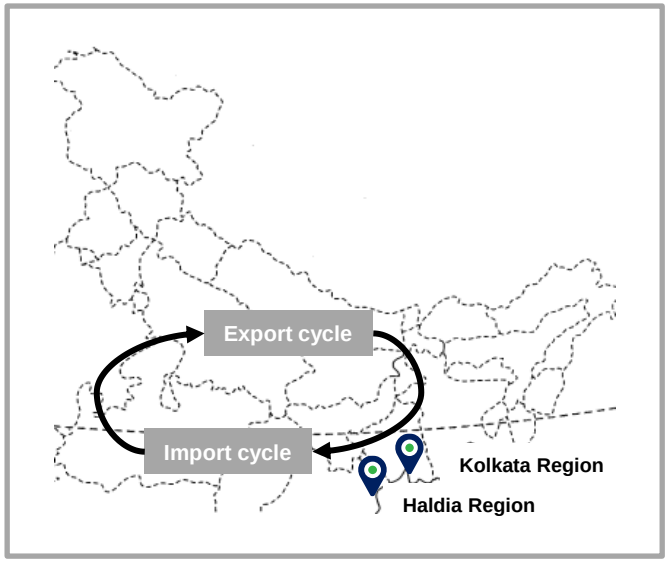
06
CONTAINER MOVEMENT ACROSS INDIA

Transit Movement across ICPs

Transit movement across ICPs from Kolkata Port Terminal:

Kolkata Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	118.1	106.6
	Road	138.4	106.6
	Rail	118.1	-



Note: Export data has discrepancy

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Evacuation Efficiency Analysis: Other Major Ports

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

Region	Port	Adjacent Toll Plaza	Distance (in KM)	Average Speed (in km/ h)		
				Sep'23	Oct'23	Nov'23
Western	Hazira Port	Boriyach Toll Plaza - NH8	77	8.6	11.0	6.6
Southern	Chennai Port	Nallur Toll Plaza - NH5	23	2.3	1.7	3.0
Eastern	Haldia Port	Debra Toll Plaza - NH6	100	7.0	6.0	6.0
Southern	Kochi Port	GIPL Paliyekkara Toll Plaza	71	9.9	6.2	5.2
Eastern	Kolkata Port	Dankuni Toll Plaza	24	3.1	2.9	2.8
Southern	Kattupalli Port	Nallur Toll Plaza - NH5	33	7.1	3.0	10.7

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

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ICD Transit Time Analysis

Below is the average transit time taken by the containers while moving from Port terminals to the ICDs across India:

Region	Port	ICD	Distance (in KM)	Average Transit Time (in hours)
Western	JNPT	Adani ICD, Tumb	183	48.9
Western	JNPT	KLPL ICD, Kanpur	1370	119.9
Western	JNPT	Vaishno Container Terminal-ICD Tarapur	539	127.8
Western	Mundra	Hind Terminals Logistics Park ICD, Palwal	1056	80.2
Western	Mundra	CONCOR Kanakpura ICD, Jaipur	804	57.2
Western	Mundra	Continental Warehousing Corporation Nhava Sheva pvt.	1119	126.0
Western	Mundra	The Thar Dry Port ICD Ahmedabad	315	35.4
Western	Mundra	Pristine ICD Chawapail , Ludhiana	1257	93.5
Western	Mundra	APM Terminals ICD, Dadri	1083	86.3
Western	Mundra	ACTL ICD, Faridabad	1063	91.2
Western	Mundra	Allcargo Logistics Park ICD, Dadri	1083	84.3
Western	Mundra	CONCOR ICD, Dadri	1083	192.9
Western	Mundra	The Thar Dry Port Jodhpur	574	80.2
Eastern	Visakhapatnam	ICD Jajpur (Jindal Stainless Ltd.)	2203	74.3

Distance is based on the railways website with the closest station as reference for Origin Destination.

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07
ANNEXURE

Annexure – Name of the Ports

Port Name	Abbreviation	Terminal Name
JNPA	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
Mundra	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
Pipavav	APM	APM Terminals Pipavav, Gujarat
Kandla	KICT	Kandla International Container Terminal
Hazira	AHPL	Adani Hazira Port Limited
Goa	MPT	Mormugao Port Trust

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

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Annexure – Western Region

List of CFS name used in CFS Performance Index (Pg 16, 26, 50, 66)			
1	Adani CFS Eximyard, Mundra	22	Ocean Gate CFS, Panvel
2	Saurashtra CFS, Mundra	23	Dronagiri Rail Terminal CFS, Navi Mumbai
3	Punjab Conware CFS, Navi Mumbai	24	Ameya Logistics CFS, Navi Mumbai
4	Gateway Distriparks CFS, Navi Mumbai	25	Hind Terminal CFS, Hazira
5	Speedy Multimode CFS, JNPT	26	JWR CFS
6	Seabird CFS, Navi Mumbai	27	Navkar Corporation Yard 2 CFS, Panvel
7	Hind Terminals Pvt. Ltd. CFS, Mundra	28	Landmark CFS, Mundra
8	JWC Logistics Park CFS	29	AllCargo Logistics
9	TG Terminals CFS, Mundra	30	Rishi CFS, Mundra
10	EFC Logistics India	31	LCL Logistics CFS, Pipavav
11	Honey Comb CFS, Mundra	32	APM (Maersk India) CFS, Navi Mumbai
12	International Cargo Terminals (ULA) CFS, Navi Mumbai	33	Kerry Indev Logistics Pvt Ltd CFS
13	CWC Conex Terminal CFS	34	TG Terminals CFS
14	MICT CFS, Mundra	35	Seabird CFS, Hazira
15	CWC CFS, Mundra	36	Navkar Corporation Yard 1 CFS, Panvel
16	Seabird CFS, Mundra	37	Take Care Logistics CFS
17	Sarveshwar CFS	38	CWC Impex Park CFS, Navi Mumbai
18	Navkar Corporation Yard 3 CFS, Panvel	39	International Cargo Terminal CFS
19	Apollo Logisolutions CFS, Panvel	40	CWC Polaris logistics park
20	Vaishno Logistics CFS, Navi Mumbai	41	Contrans Logistic CFS, Pipavav
21	Ashte Logistics CFS, Panvel	42	Contegrate CWC CFS

List of ICD name used in ICD Performance Index(Pg 27)	
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

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Annexure – Southern & Eastern Region

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

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	VCT CFS
9	Gateway East India CFS
10	Sravan CFS-2
11	CWC CFS, Kolkata
12	Sattava Vishaka CFS
13	SICAL CFS
14	A L Logistics CFS

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Annexure – Congestion Analysis

Methodology for analysing congestion is given below step wise step for understanding

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

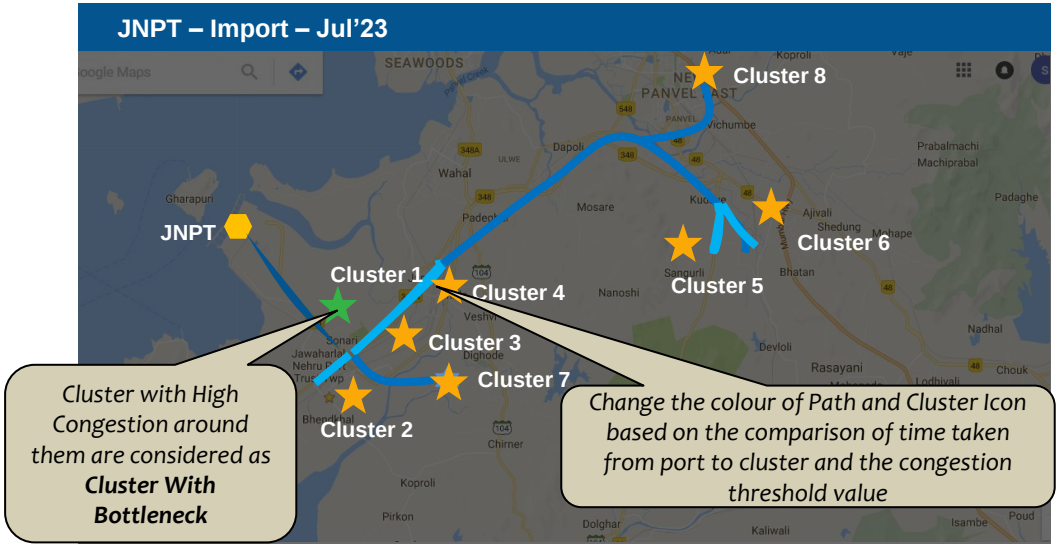
Step 2 Transit time calculation

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 = Greater than Ideal time
    2. Medium = Btw 0 to 50% less than Ideal time
    3. Low- Btw 50% to 100% less than ideal time
4. Clustors with high congestions are marked as bottlenecks



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LDB AT A GLANCE

65 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 28 Port Terminals

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

PORT PERFORMANCE

(October'23 vs November'23)

DWELL TIME

WESTERN REGION

Import Cycle : 13.2% (25.7 hrs to 22.3 hrs) ▲

Export Cycle : 9.0% (81 hrs to 88.3 hrs) ▼

TOP-PERFORMER : Gateway Terminal India (GTI)

EASTERN REGION

Import Cycle : 10.8% (43.7 hrs to 48.4 hrs) ▼

Export Cycle :4.7% (85.3 hrs to 81.3 hrs) ▲

TOP-PERFORMER : Kolkata Dock System (KDS)

SOUTHERN REGION

Import Cycle : 6.4% (43.9 hrs to 41.1 hrs) ▲

Export Cycle : 2.2% (77.6 hrs to 79.3 hrs) ▼

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

TOP PERFORMERS OF NOVEMBER 2023 PAN INDIA

TERMINAL

Gateway Terminal India (GTI)

CFS

Sical CFS, Chennai Tiruvallur, Tamil Nadu

ICD

Pristine ICD Chawapail, Ludhiana

NLDS
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Logistics Redefined

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