NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

LOGISTICS DATA BANK

ANALYTICS REPORT

AUGUST 2024

in 𝕏 f ▶ I @nldsl

NATIONAL LOGISTICS POLICY

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

INDEX

1. **LDB AT A GLANCE** 05

2. **PAN India Performance** 06-29

- Container Count
- PAN India EXIM Trade Distribution
- Key Observation-Aug'24
- Dwell Time Performance: Port-wise & Region-wise
- Port Performance Comparison (Import & Export cycle)
- Dwell Time Performance: (Entry & Exit Type), (Container Size wise) & (Container State-wise)
- Vessel Analysis
- Performance Benchmarking- Terminal wise
- Performance Benchmarking (previous year same month)- Terminal-wise
- Performance Benchmarking (based on capacity & dwell time) –Terminal-wise
- CFS Dwell Time Performance (I & E Cycle)
- CFS Performance Benchmarking
- ICD Dwell Time Performance (I & E Cycle)
- ICD Performance Benchmarking
- Dwell Time Performance- Domestic Containers

3. **Western Region Performance** 30-52

- Container Count
- Dwell Time Performance (Import & Export)
- Container Turnaround Analysis
- Region Performance
- Performance Benchmarking- Terminal wise
- Performance Benchmarking (previous year same month)-Terminal-wise
- Performance Benchmarking (based on capacity & dwell time)- Terminal-wise
- CFS Performance Benchmarking
- Individual Port Performance
- Toll Plaza Analysis

4. **Southern Region Performance** 53-75

- Container Count
- Dwell Time Performance (Import & Export)
- Container Turnaround Analysis
- Region Performance
- Performance Benchmarking-Terminal wise
- Performance Benchmarking (previous year same month)-Terminal-wise
- Performance Benchmarking (based on capacity & dwell time)- Terminal-wise
- CFS Performance Benchmarking
- Individual Port Performance
- Toll Plaza Analysis

5. **Eastern Region Performance** 76-91

- Container Count
- Dwell Time Performance (Import & Export)
- Container Turnaround Analysis
- Region Performance
- Performance Benchmarking- Terminal wise
- Performance Benchmarking (previous year same month)-Terminal-wise
- Performance Benchmarking (based on capacity & dwell time)- Terminal-wise
- CFS Performance Benchmarking
- Individual Port Performance
- Toll Plaza Analysis

6. **Congestion & Transit Analysis** 92-101

7. **Annexure** 102-106

© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Team Members

Girish Kumar Surpur (CEO), Ashish Sonbarse, Monika Gupta, Nidhi Chaturvedi, Shruti Gupta, Amit Patil, Mohan Saini, Atanu Manna, Anshuman Patnaik, Amir Ali, Akbar Ansari, Kusum Lata, Saurabh Chaturvedi, Deepak Yadav, Roshni Rastogi, Atul Sharma, Amit Kumar, Manya Sharma, Rishabh Sharma, Deepu Kam

LDB AT A GLANCE

74 MILLION+
CONTAINERS HANDLED

171	Toll Plaza Coverage
553+	CFS/ICD/EY/ICP/IZ/ PP/SEZ Coverage
600+	Operators deployed at ports
100%	EXIM Container Terminals covered
3950+	RFID readers deployed PAN India
EDI	with FOIS and 28 Port Terminals

PORT PERFORMANCE

(July'24 vs August'24)

DWELL TIME

WESTERN REGION

Import Cycle :15.7% (26.8 hrs to 31.0 hrs) ▲

Export Cycle : 6.2% (101 hrs to 94.7 hrs) ▼

TOP-PERFORMER :
Bharat Mumbai Container Terminals (PSA)

EASTERN REGION

Import Cycle : 13.2% (56.0 hrs to 48.6 hrs) ▼

Export Cycle : 2.7% (102.7 hrs to 105.5 hrs) ▲

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

SOUTHERN REGION

Import Cycle : 23.2% (40.5 hrs to 49.9 hrs) ▲

Export Cycle : 13.5% (98.6 hrs to 85.3 hrs) ▼

TOP-PERFORMER :
Dakshin Bharat Gateway Terminal (DBGT)

TOP PERFORMERS OF AUGUST 2024 PAN INDIA

TERMINAL
Bharat Mumbai Container Terminals (PSA)

CFS
Sical CFS, Chennai Tiruvallur Tamil Nadu

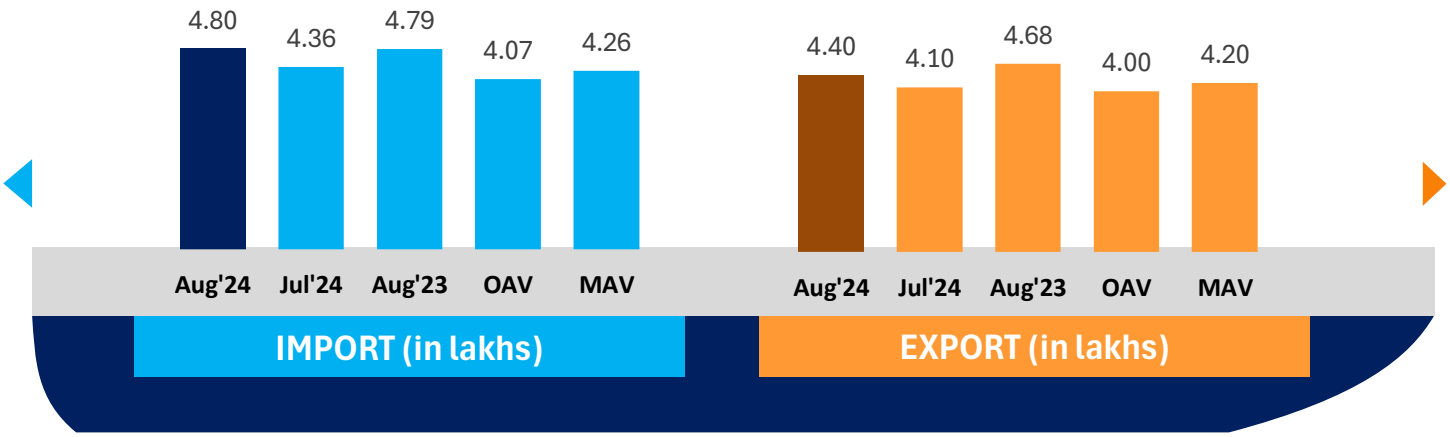
ICD
Dronagiri Rail Terminal CFS, Navi Mumbai

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

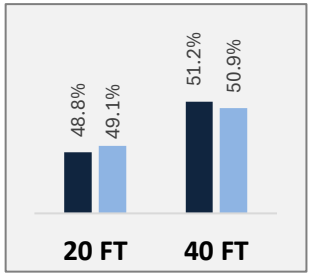
01
PAN INDIA PERFORMANCE

Container Count: PAN India

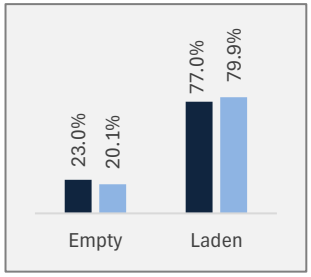
PAN India



Container Size-wise (Import)

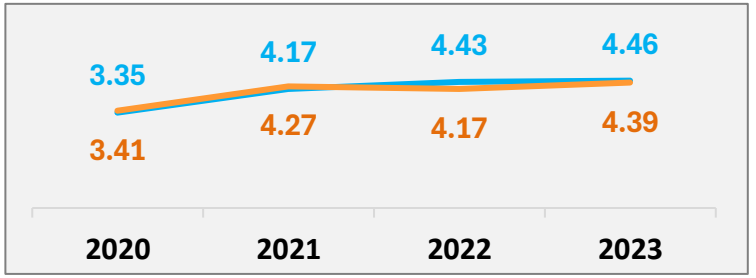


Container Type-wise (Import)



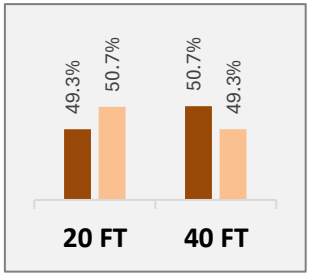
Aug'24 Jul'24

Container Count - Annual Average (in lakhs/ month)

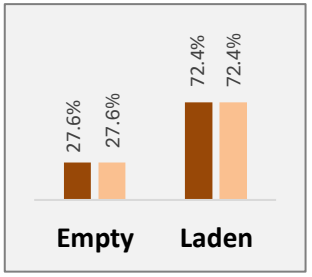


IMPORT EXPORT

Container Size-wise (Export)



Container Type-wise (Export)



Aug'24 Jul'24

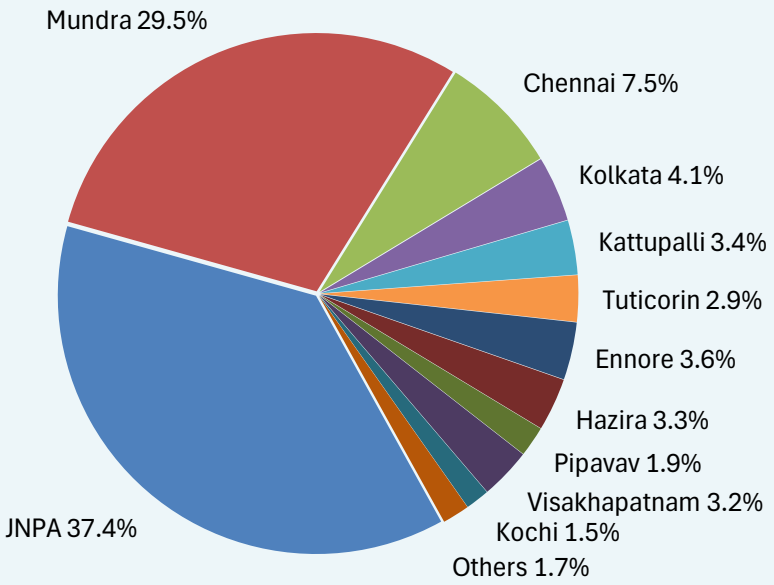
OAV – Overall Avg Volume
MAV – Monthly Avg Volume

© NICDC Logistics Data Services Limited

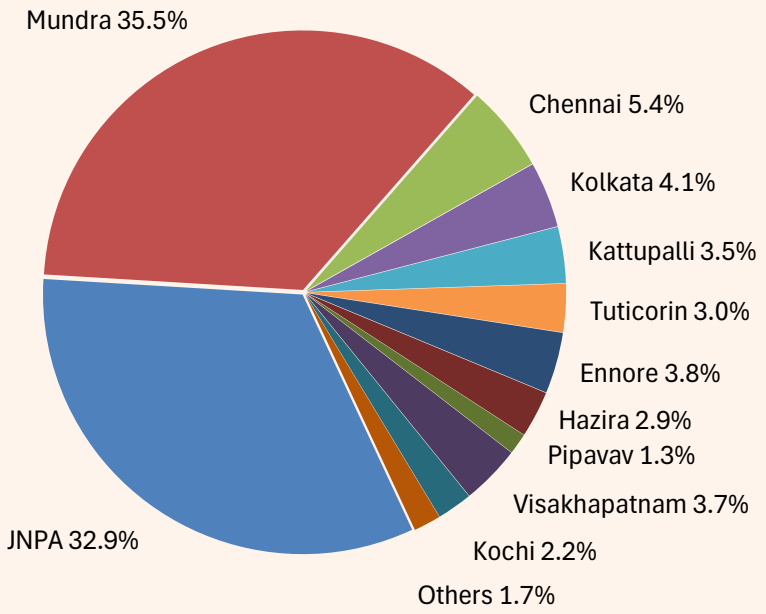
PAN India Distribution

Distribution of EXIM containers for the month of August 2024 across all ports:

Import Containers Distribution (52.2%)
(Container count in % for Aug'24)



Export Containers Distribution (47.8%)
(Container count in % for Aug'24)



In the previous month, container distribution in Import and Export cycle was 51.5% and 48.5% respectively.

Others include Kandla, Haldia, Paradip and New Mangalore

© NICDC Logistics Data Services Limited

Key Observations

In comparison with July 2024:

Pan India	• Container count (no. of boxes) has **increased by 10%** in import cycle primarily due to western region, where the volume handled has increased by 15% • Top performing terminal for this month is Bharat Mumbai Container Terminals (PSA)
Western Region	• JNPA port dwell time **performance has reduced by 25%** in import cycle as the import container volume has increased by 21% due to higher vessel calling coupled with heavy rainfall leading to increase in container handling time. • Kandla port dwell time **performance has reduced by 319%** in import cycle due to unfavourable weather and heavy rain, the containers were stored at the port for a longer time. • Hazira port dwell time **performance has reduced by 32%** in import cycle as the import container volume has increased by 29%.
Southern Region	• Southern region dwell time **performance has improved by 13%** in export cycle. This can be attributed to the improvement observed in the three primary ports of the area, namely Chennai, Kattupalli, and Ennore. • Chennai, Kattupalli and Ennore port dwell time **performance has improved by 14%, 12% and 10% respectively** in export cycle as vessel bunching led to faster loading of export bound containers. • Chennai, Kochi and Kattupalli port dwell time **performance has reduced by 30%, 36% and 29% respectively** in import cycle due to increased vessel bunching at the port owing to Red Sea crisis. This led to space shortage at yards causing high congestion and operational slowdown, leading to high dwell time.
Eastern Region	• Haldia port dwell time **performance has improved by 23%** in import cycle as the import container volume has decreased by 42%. • Visakhapatnam region CFS dwell time **performance has improved by 21%** in export cycle as export volume of certain commodities carried out from CFS has reduced.

Dwell Time Performance (August 2024): PAN India

Western Region

Hazira
Import 26.6 ↑ | Export 125.1

Pipavav
Import 48.6 | Export 142.6

Mundra
Import 26.8 | Export 111.3 ↓

Nhava Sheva (JNPA)
Import 33.5 ↑ | Export 79.7

Kandla
Import 97.6 ↑ | Export 98.2 ↑

Tuticorin
Import 23.8 ↑ | Export 59.7 ↓

Kochi
Import 41.6 ↑ | Export 113.4

Kolkata
Import 42.1 ↓ | Export 108.9

Visakhapatnam
Import 51.6 | Export 95.4

Haldia
Import 68.3 ↓ | Export 168.0

Chennai
Import 56.3 ↑ | Export 89.7 ↓

Ennore
Import 53.6 ↑ | Export 101.5

Kattupalli
Import 62.4 ↑ | Export 94.9 ↓

Eastern Region

New Mangalore
Import 144.0 / 41.3* | Export 98.1 / 56.5*

Southern Region

Note:
- Dwell Time includes free time
- * Marked Dwell time does not include the free time at the port
- All values are in hours

↓ ↑ Indicates decrease/ increase (+/- 10% or above) in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: Region-wise Port Import & Export Cycle

Western Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
Aug'24	31.0 ↑	94.7 ↓
Jul'24	26.8	101.0
Aug'23	25.7	85.7
OADT	25.2	91.2
MADT	25.5	93.7

Southern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
Aug'24	49.9 ↑	85.3 ↓
Jul'24	40.5	98.6
Aug'23	37.1	82.7
OADT	42.2	86.4
MADT	39.8	91.3

Eastern Region

Duration	Import Dwell Time (in hrs)	Export Dwell Time (in hrs)
Aug'24	48.6 ↓	105.5 ↑
Jul'24	56.0	102.7
Aug'23	54.7	105.3
OADT	48.5	105.0
MADT	47.0	115.7

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: Port Import Cycle

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	**31.0**		**26.8**	**25.7**	**25.2**	**25.5**
JNPA	33.5	↑	26.7	19.8	21.8	22.5
Mundra	26.8	↑	26.5	33.6	28.1	28.3
Pipavav	48.6	↓	52.6	69.1	53.1	57.5
Kandla	97.6	↑	23.3	34.4	46.5	35.1
Hazira	26.6	↑	20.2	38.1	32.3	32.9
Southern Region	**49.9**		**40.5**	**37.1**	**42.2**	**39.8**
Chennai	56.3	↑	43.3	37.1	43.9	42.5
Kochi	41.6	↑	30.7	39.4	43.1	39.5
Kattupalli	62.4	↑	48.4	42.7	54.5	50.7
Tuticorin	23.8	↑	19.9	18.6	22.2	20.3
Ennore	53.6	↑	44.9	37.4	43.1	40.8
New Mangalore	41.3*	↓	49.8*	117.1	97.9	94.7
Eastern Region	**48.6**		**56.0**	**54.7**	**48.5**	**47.0**
Visakhapatnam	51.6	↓	52.9	78.4	57.5	55.2
Kolkata	42.1	↓	49.3	39.4	35.5	36.5
Haldia	68.3	↓	88.7	65.2	88.8	86.6

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

***Note:** Marked months' New Mangalore dwell time does not include the free time at the port

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: Port Export Cycle

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	**94.7**		**101.0**	**85.7**	**91.2**	**93.7**
JNPA	79.7	↓	79.9	70.6	72.7	76.0
Mundra	111.3	↓	123.7	102.1	113.3	113.8
Pipavav	142.6	↑	134.8	99.0	123.0	125.2
Kandla	98.2	↑	67.6	105.2	109.9	125.0
Hazira	125.1	↑	124.5	104.5	117.7	121.4
Southern Region	**85.3**		**98.6**	**82.7**	**86.4**	**91.3**
Chennai	89.7	↓	103.7	93.3	90.8	100.3
Kochi	113.4	↓	116.0	75.9	87.9	95.2
Kattupalli	94.9	↓	108.0	85.1	94.9	97.6
Tuticorin	59.7	↓	71.8	51.6	64.3	64.2
Ennore	101.5	↓	112.7	93.5	99.9	105.4
New Mangalore	56.5*	↓	58.3*	84.1	98.7	83.8
Eastern Region	**105.5**		**102.7**	**105.3**	**105.0**	**115.7**
Visakhapatnam	95.4	↓	98.4	89.1	91.7	102.8
Kolkata	108.9	↑	99.6	143.1	118.4	131.5
Haldia	168.0	↑	152.9	120.0	124.7	140.7

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

***Note:** Marked months' New Mangalore dwell time does not include the free time at the port

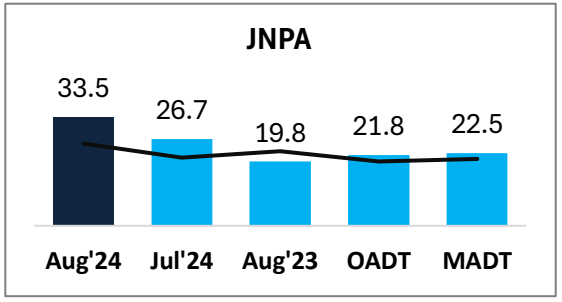
↓ ↑ Indicates decrease/ increase in dwell time from last month

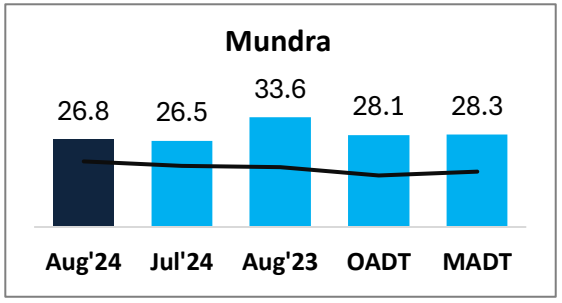
© NICDC Logistics Data Services Limited

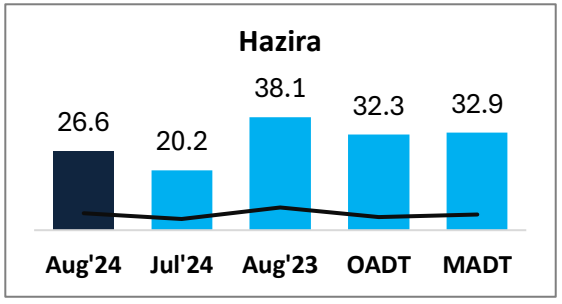
Port Performance Comparison: Import Cycle

Port dwell time performance across various time frames:

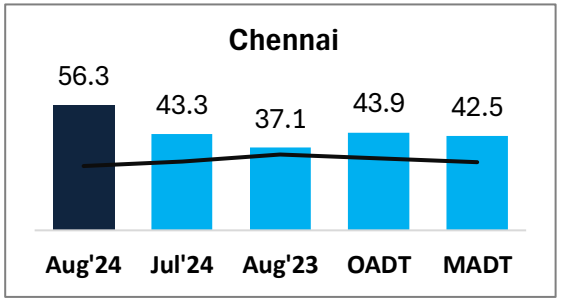
Western Region
(Container count share 72.4%)

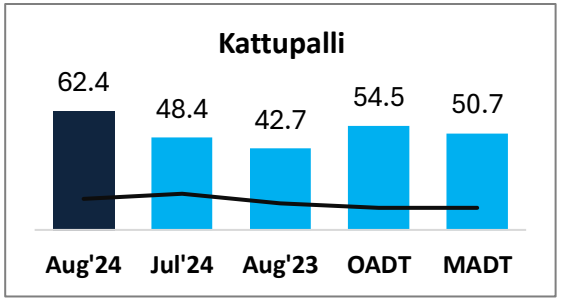


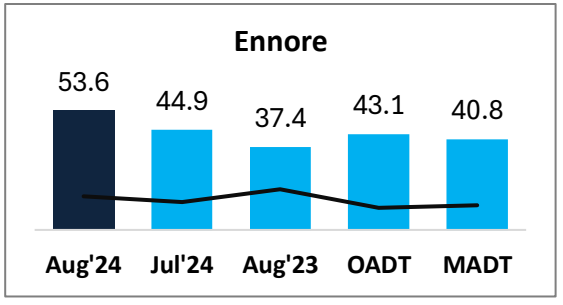




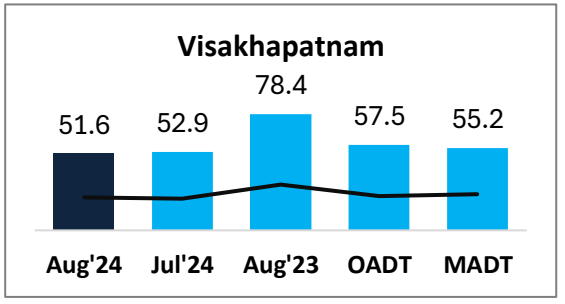
Southern Region
(Container count share 19.5%)

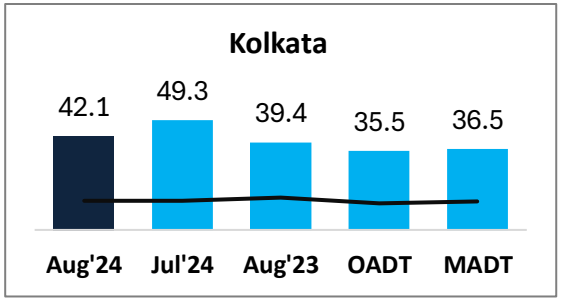


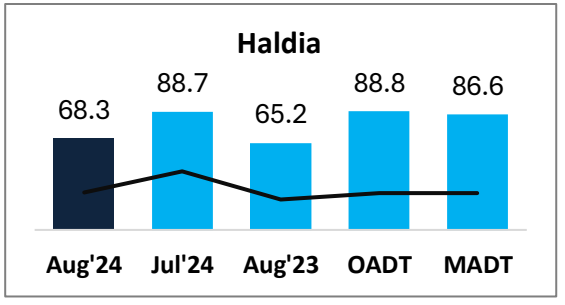




Eastern Region
(Container count share 8.1%)







—— Represents the trend of container count (no. of boxes)

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

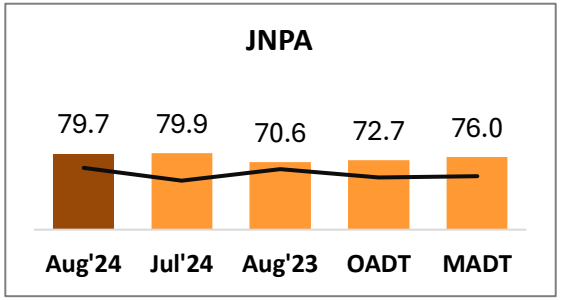
Note:
All values are in hours
Top 3 ports of the region based on container count are showcased

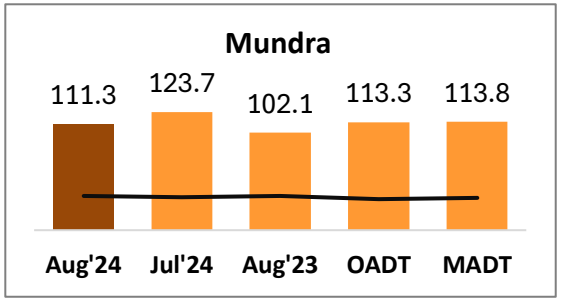
© NICDC Logistics Data Services Limited

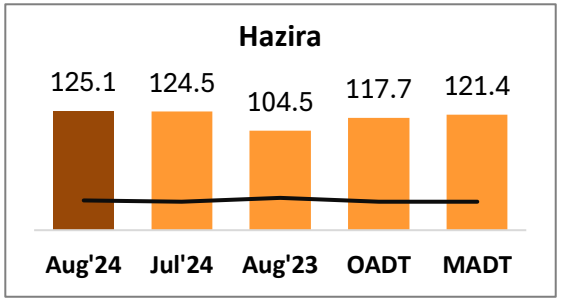
Port Performance Comparison: Export Cycle

Port dwell time performance across various time frames:

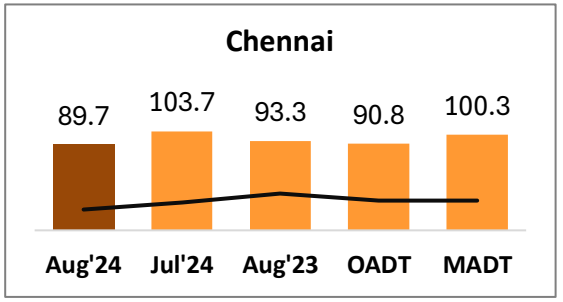
Western Region
(Container count share 72.7%)

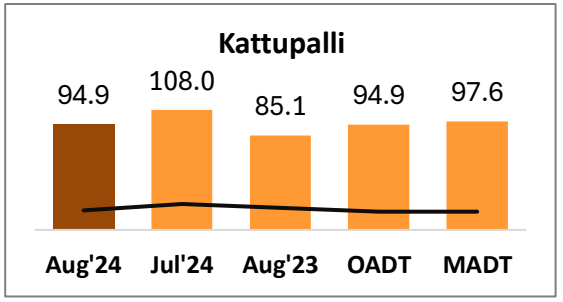


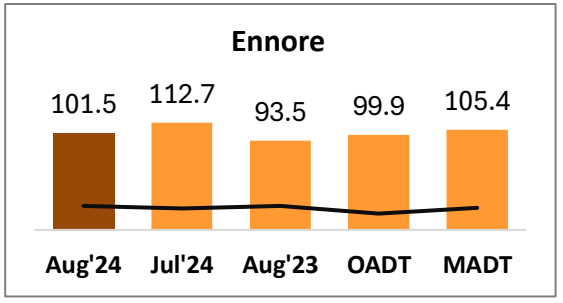




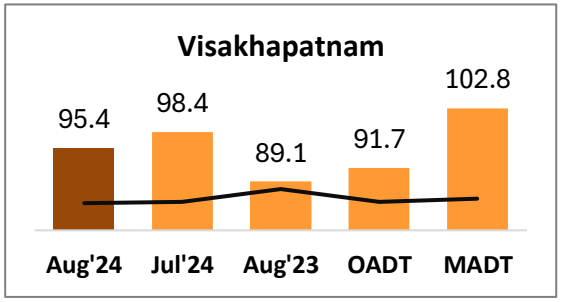
Southern Region
(Container count share 18.6%)

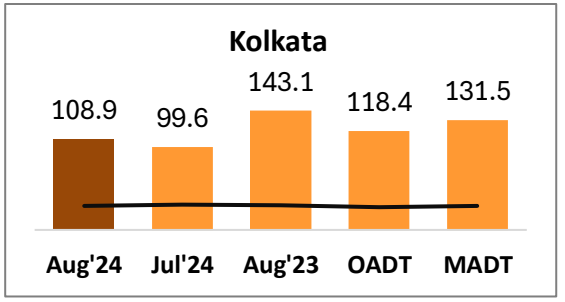


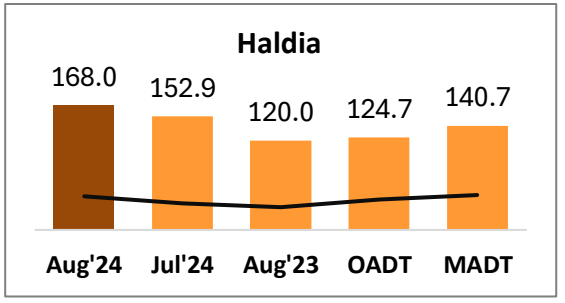




Eastern Region
(Container count share 8.7%)







—— Represents the trend of container count (no. of boxes)

OADT – Overall Avg Dwell Time

MADT – Monthly Avg Dwell Time

Note:

All values are in hours

Top 3 ports of the region based on container count are showcased

© NICDC Logistics Data Services Limited

Dwell Time Performance: Entry & Exit Type – Region wise

Port dwell time of containers based on container entry and exit type:

DPD

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	24.7	↑	23.6	28.1	30.6	28.9
Southern	78.8	↑	72.3	-	66.4	72.3
Eastern	115.5	↑	88.9	80.0	80.9	84.3

Non DPD

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	31.7	↑	27.2	23.8	23.8	24.4
Southern	48.9	↑	39.0	31.8	36.8	35.8
Eastern	43.9	↓	50.8	51.5	47.5	44.6

DPE

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	80.8	↓	83.6	74.7	77.0	79.2
Southern	113.4	↓	116.0	78.2	89.3	94.1
Eastern	136.9	↑	134.5	126.9	121.3	131.6

Non DPE

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	96.4	↓	102.9	70.8	81.4	83.4
Southern	85.7	↓	98.2	75.5	76.1	87.4
Eastern	85.7	↓	86.1	92.3	92.1	99.9

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: Container Size – Region wise

Port dwell time of containers based on container size:

40 FT

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	33.2	↑	28.6	24.9	25.2	26.0
Southern	50.3	↑	41.7	37.7	40.1	38.2
Eastern	45.3	↓	53.8	52.3	43.4	42.3

20 FT

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	28.7	↑	25.1	26.3	25.2	25.2
Southern	49.3	↑	39.1	36.3	44.1	40.9
Eastern	51.2	↓	57.7	55.7	51.6	50.4

40 FT

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	96.2	↓	101.4	83.7	90.0	93.4
Southern	90.5	↓	102.9	86.4	88.5	94.6
Eastern	111.3	↑	109.3	123.3	105.4	117.9

20 FT

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	93.3	↓	100.7	87.3	91.2	93.9
Southern	78.9	↓	93.8	79.6	83.0	87.8
Eastern	102.8	↑	99.9	101.2	105.0	114.9

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: Container State – Region wise

Port dwell time of containers based on container state:

Empty

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	28.1	↑	26.6	33.9	32.1	31.2
Southern	53.7	↑	44.0	38.5	38.9	37.4
Eastern	79.4	↑	72.0	68.9	62.6	58.6

Laden

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	31.8	↑	26.9	23.7	22.5	23.6
Southern	47.5	↑	37.7	35.6	43.0	40.6
Eastern	45.3	↓	53.1	52.3	50.2	47.4

Empty

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	74.3	↑	73.5	63.5	68.4	67.7
Southern	95.5	↓	108.3	87.8	75.6	89.8
Eastern	52.8	↑	49.4	55.2	55.7	61.7

Laden

EXPORT

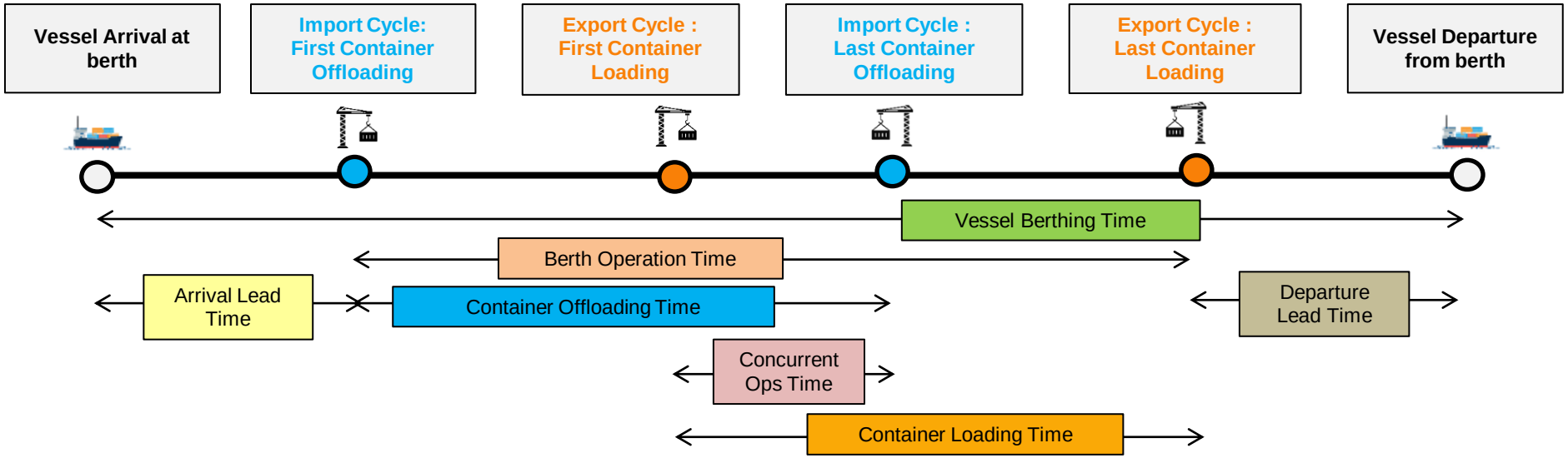
	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western	102.1	↓	110.1	90.3	90.7	95.2
Southern	78.4	↓	92.5	78.6	88.0	86.9
Eastern	127.8	↑	126.6	113.7	115.3	124.8

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Vessel Analysis: PAN India

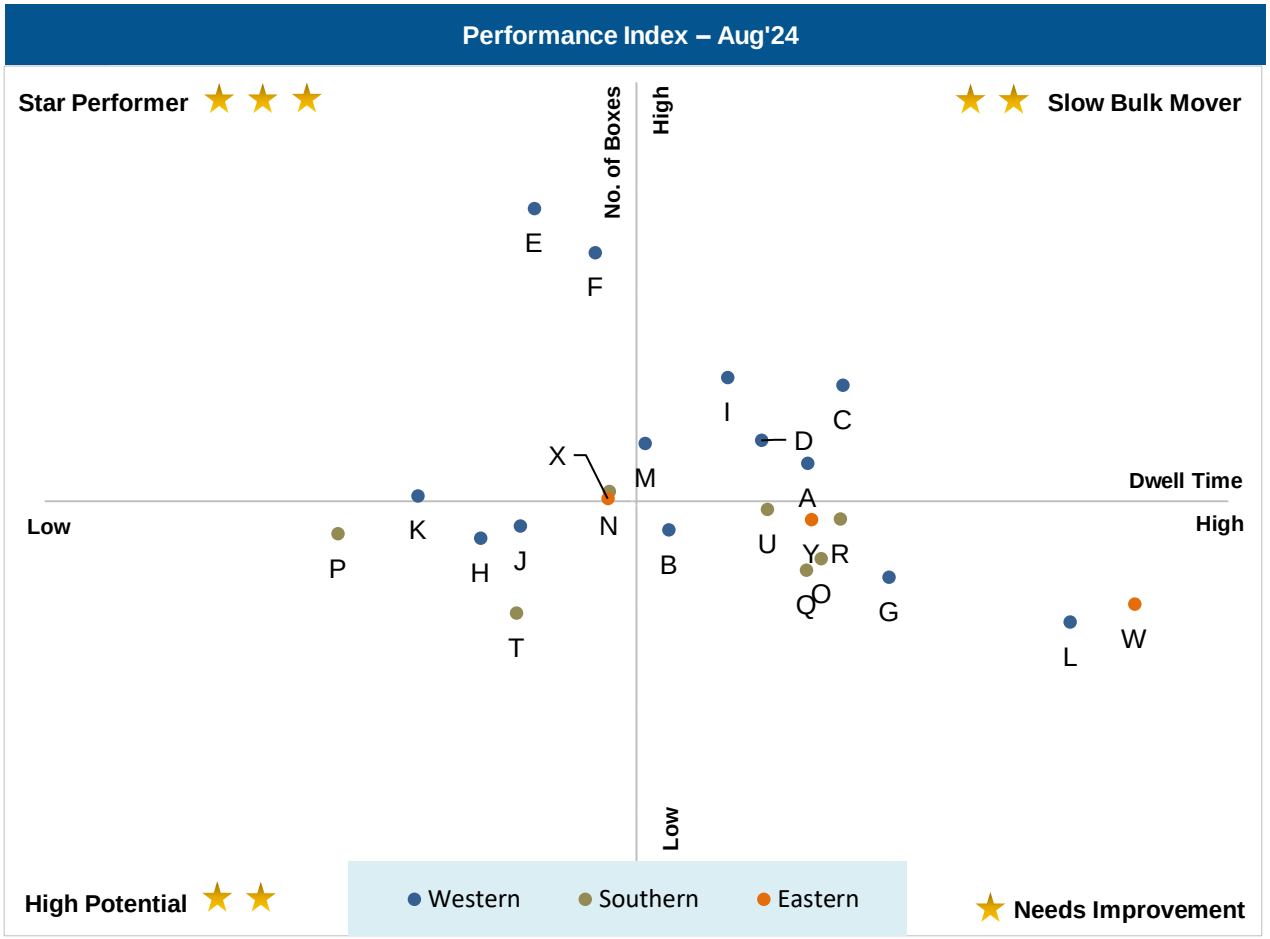


Aug'24	Vessel Berthing Time (in Hrs.)	Arrival Lead Time (in Hrs.)	Offloading Time (Minutes/ Cntr)	Berth Productivity (Minutes/ Cntr)	Loading Time (Minutes/ Cntr)	Concurrent Operations Time (%)	Departure Lead Time (in Hrs.)
PAN India	22.8	1.8	5.4	1.6	2.3	58.1%	1.4
Mundra	27.5	2.5	3.9	1.4	1.8	57.1%	1.2
JNPA	23.1	1.1	4.0	1.9	2.6	62.4%	1.1
Other Western	22.5	2.2	6.6	1.1	2.5	79.1%	1.3
Southern	21.4	1.9	6.1	1.6	2.3	50.0%	1.5
Eastern	15.9	1.4	7.6	4.0	4.4	43.7%	2.9

© NICDC Logistics Data Services Limited

Performance Benchmarking: PAN India Terminals

Performance benchmarking of terminals based on dwell time vis-à-vis container count (no. of boxes) handled:



X-Axis: Dwell Time

Y-Axis: No. of Boxes

*Note: For MCTPL the free time is not included in the calculations

Abb.	Terminals	Container count
A	Adani CMA Mundra Terminal (ACMTPL)	5.18%
B	Adani Hazira Port Private Limited (AHPPL)	3.11%
C	Adani International Container Terminal (AICTPL)	7.61%
D	Adani Mundra Container Terminal (AMCT)	5.89%
E	Bharat Mumbai Container Terminals(PSA)	13.15%
F	Gateway Terminals India (GTI)	11.76%
G	APM Terminals Pipavav, Gujarat	1.62%
H	Nhava Sheva Freeport Terminal (NSFT)	2.84%
I	Mundra International Container Terminal (MICT)	7.86%
J	Nhava Sheva India Gateway Terminal (NSIGT)	3.21%
K	Nhava Sheva International Container Terminal (NSICT)	4.17%
L	Kandla International Container Terminal (KICT)	0.23%
M	Adani Mundra Container Terminal-2 (AMCT-2)	5.81%
N	Chennai Container Terminal Pvt. Ltd. (CCTL)	4.31%
O	Chennai International Terminals Pvt Ltd (CITPL)	2.19%
P	Dakshin Bharat Gateway Terminal (DBGT)	2.98%
Q	International Container Transhipment Terminal, Kochi	1.84%
R	Adani Kattupalli Port Private Limited (AKPPL)	3.44%
S	PSA SICAL Terminals	-
T	Mangalore Container Terminal Private Limited (MCTPL)*	0.51%
U	Adani Ennore Container Terminal	3.74%
V	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)	-
W	Haldia International Container Terminal (HICT)	0.79%
X	Kolkata Dock System (KDS) , Kolkata Port	4.33%
Y	Visakha Container Terminal	3.43%

Star Performer ★★★

Entities with high container count and low dwell time

High Potential ★★

Entities with low container count and low dwell time

Slow Bulk Movers ★★

Entities with high container count and high dwell time

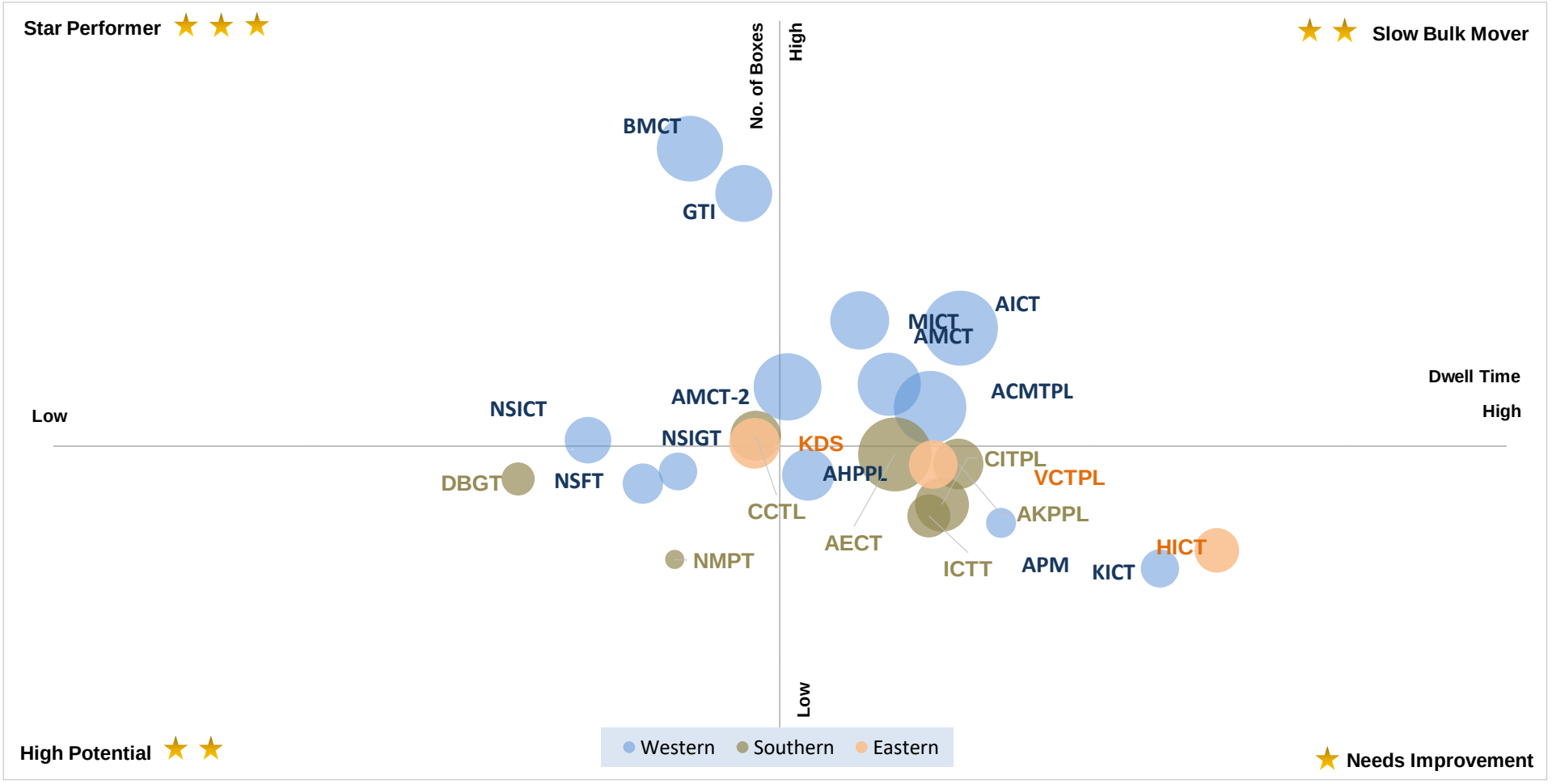
Needs Improvement ★

Entities with low container count and high dwell time

© NICDC Logistics Data Services Limited

Performance Benchmarking: PAN India Terminals

Performance benchmarking of terminals based on dwell time, container count (no. of boxes) handled, and terminal capacity for Aug'24:



X-Axis: Dwell Time

Bubble size represents the terminal capacity

Y-Axis: No. of Boxes

Star Performer ★ ★ ★

Entities with high container count and low dwell time

High Potential ★ ★

Entities with low container count and low dwell time

Slow Bulk Movers ★ ★

Entities with high container count and high dwell time

Needs Improvement ★

Entities with low container count and high dwell time

Note: Terminal abbreviation details are mentioned in annexure

© NICDC Logistics Data Services Limited

Performance Benchmarking (Previous year same month): PAN India Terminals

Performance benchmarking of terminals based on the change from previous year same month in dwell time vis-a-vis container count (no. of boxes) handled:

X-Axis: Change in dwell time

Y-Axis: Change in no. of boxes

*Note: For MCTPL the free time is not included in the calculations for current month

Abb.	Terminals	Container count
A	Adani CMA Mundra Terminal (ACMTPL)	5.18%
B	Adani Hazira Port Private Limited (AHPPL)	3.11%
C	Adani International Container Terminal (AICTPL)	7.61%
D	Adani Mundra Container Terminal (AMCT)	5.89%
E	Bharat Mumbai Container Terminals(PSA)	13.15%
F	Gateway Terminals India (GTI)	11.76%
G	APM Terminals Pipavav, Gujarat	1.62%
H	Nhava Sheva Freeport Terminal (NSFT)	2.84%
I	Mundra International Container Terminal (MICT)	7.86%
J	Nhava Sheva India Gateway Terminal (NSIGT)	3.21%
K	Nhava Sheva International Container Terminal (NSICT)	4.17%
L	Kandla International Container Terminal (KICT)	0.23%
M	Adani Mundra Container Terminal-2 (AMCT-2)	5.81%
N	Chennai Container Terminal Pvt. Ltd. (CCTL)	4.31%
O	Chennai International Terminals Pvt Ltd (CITPL)	2.19%
P	Dakshin Bharat Gateway Terminal (DBGT)	2.98%
Q	International Container Transhipment Terminal, Kochi	1.84%
R	Adani Kattupalli Port Private Limited (AKPPL)	3.44%
S	PSA SICAL Terminals	-
T	Mangalore Container Terminal Private Limited (MCTPL)*	0.51%
U	Adani Ennore Container Terminal	3.74%
V	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)	-
W	Haldia International Container Terminal (HICT)	0.79%
X	Kolkata Dock System (KDS) , Kolkata Port	4.33%
Y	Visakha Container Terminal	3.43%

Star Performer ★ ★ ★

Entities with improved dwell time performance and an increase in containers (no. of boxes) handled

High Potential ★ ★

Entities with improved dwell time performance and a decrease in containers (no. of boxes) handled

Slow Bulk Movers ★ ★

Entities with a decline in dwell time performance and an increase in containers (no. of boxes) handled

Needs Improvement ★

Entities with a decline in dwell time performance and decrease in containers (no. of boxes) handled

© NICDC Logistics Data Services Limited

Performance Benchmarking (Capacity & Dwell time): PAN India Terminals

Performance benchmarking of terminals based on dwell time vis-a-vis capacity (in TEU):

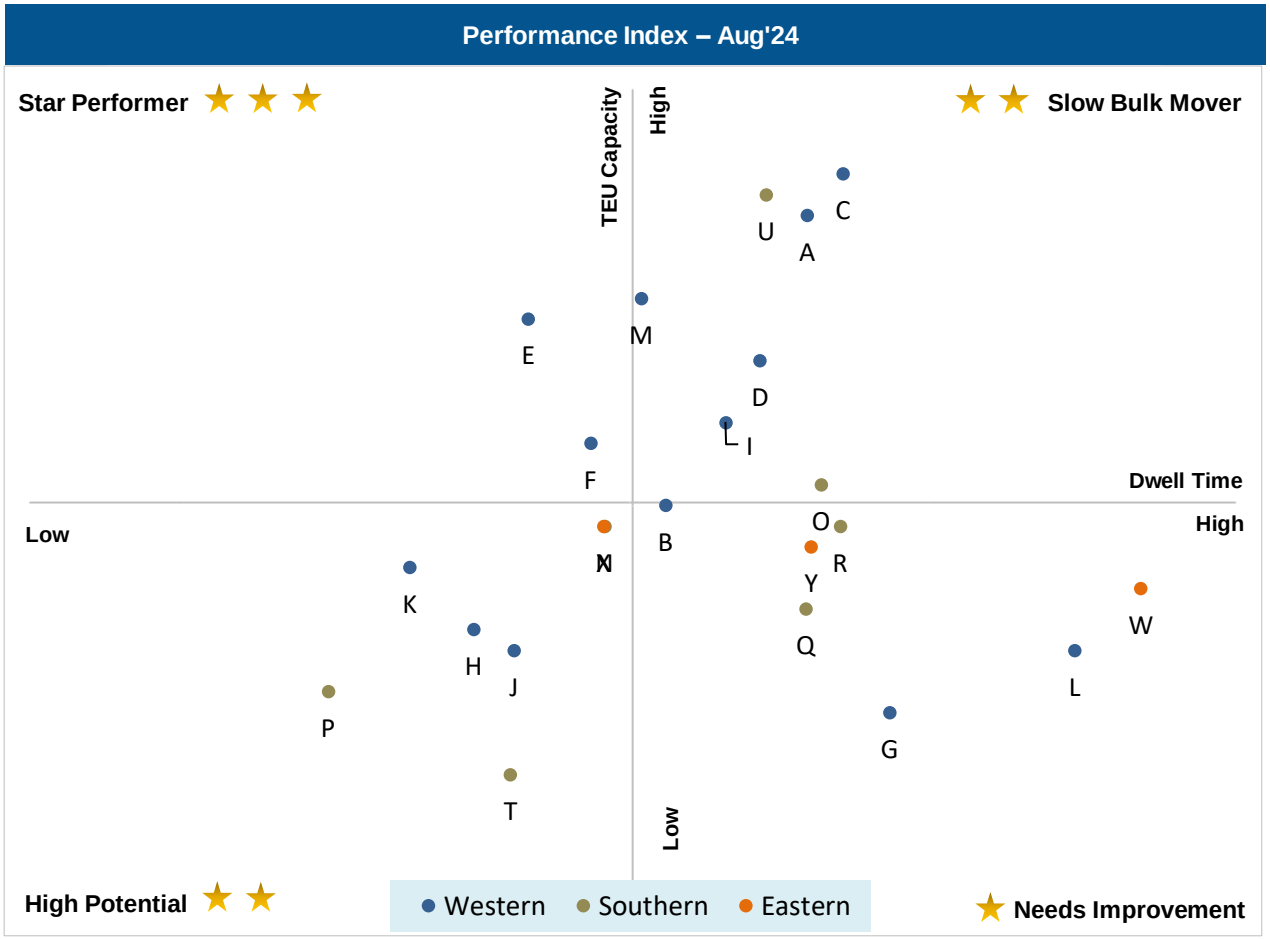


Abb.	Terminals	Container count
A	Adani CMA Mundra Terminal (ACMTPL)	5.18%
B	Adani Hazira Port Private Limited (AHPPL)	3.11%
C	Adani International Container Terminal (AICTPL)	7.61%
D	Adani Mundra Container Terminal (AMCT)	5.89%
E	Bharat Mumbai Container Terminals(PSA)	13.15%
F	Gateway Terminals India (GTI)	11.76%
G	APM Terminals Pipavav, Gujarat	1.62%
H	Nhava Sheva Freeport Terminal (NSFT)	2.84%
I	Mundra International Container Terminal (MICT)	7.86%
J	Nhava Sheva India Gateway Terminal (NSIGT)	3.21%
K	Nhava Sheva International Container Terminal (NSICT)	4.17%
L	Kandla International Container Terminal (KICT)	0.23%
M	Adani Mundra Container Terminal-2 (AMCT-2)	5.81%
N	Chennai Container Terminal Pvt. Ltd. (CCTL)	4.31%
O	Chennai International Terminals Pvt Ltd (CITPL)	2.19%
P	Dakshin Bharat Gateway Terminal (DBGT)	2.98%
Q	International Container Transhipment Terminal, Kochi	1.84%
R	Adani Kattupalli Port Private Limited (AKPPL)	3.44%
S	PSA SICAL Terminals	-
T	Mangalore Container Terminal Private Limited (MCTPL)*	0.51%
U	Adani Ennore Container Terminal	3.74%
V	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)	-
W	Haldia International Container Terminal (HICT)	0.79%
X	Kolkata Dock System (KDS) , Kolkata Port	4.33%
Y	Visakha Container Terminal	3.43%

X-Axis: Dwell Time

*Note: For MCTPL the free time is not included in the calculations

Y-Axis: TEU Capacity

Star Performer ★★★

Entities with high TEU capacity and low dwell time

High Potential ★★

Entities with low TEU capacity and low dwell time

Slow Bulk Movers ★★

Entities with high TEU capacity and high dwell time

Needs Improvement ★

Entities with low TEU capacity and high dwell time

© NICDC Logistics Data Services Limited

Dwell Time Performance: CFS Import Cycle

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	**94.7**		**91.7**	**98.6**	**92.1**	**96.4**
JNPA	87.3	↑	84.0	88.4	85.2	89.2
Mundra	107.9	↑	100.7	108.0	101.4	105.9
Pipavav	96.5	↑	84.4	98.0	85.7	99.7
Hazira	107.5	↑	100.4	119.5	104.3	113.8
Southern Region	**128.6**		**122.5**	**136.7**	**116.0**	**130.7**
Chennai, Ennore, Kattupalli	111.3	↓	112.9	121.5	110.1	117.9
Kochi	143.2	↑	125.6	124.8	123.8	128.5
Tuticorin	196.3	↑	164.1	172.2	165.1	175.9
Eastern Region	**160.9**		**150.5**	**146.0**	**147.2**	**150.0**
Visakhapatnam	180.4	↓	185.0	165.4	160.1	170.0
Kolkata	150.8	↑	141.4	140.6	139.5	143.8
Haldia	186.8	↑	145.0	128.3	143.1	146.4

Below are number of CFSs across various ports:

JNPA	Mundra	Pipavav	Hazira	Chennai, Ennore, Kattupalli	Kochi	Tuticorin	Visakhapatnam	Kolkata	Haldia
34	15	3	5	32	5	17	9	7	4

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Dwell Time Performance: CFS Export Cycle

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	**69.7**		**74.4**	**57.6**	**67.7**	**66.5**
JNPA	74.6	↑	72.9	63.3	75.1	75.6
Mundra	62.8	↓	75.2	53.5	58.0	57.3
Pipavav	77.1	↓	103.2	72.4	69.9	70.5
Southern Region	**38.9**		**46.0**	**33.9**	**38.3**	**36.9**
Chennai, Ennore, Kattupalli	43.7	↓	50.4	36.7	43.4	41.1
Tuticorin	26.9	↑	26.8	24.3	24.9	25.3
Eastern Region	**88.2**		**98.0**	**85.3**	**95.7**	**84.9**
Visakhapatnam	76.5	↓	96.8	80.7	83.4	79.0
Kolkata	104.4	↓	108.3	88.2	103.8	91.1

Below are number of CFSs across various ports:

JNPA	Mundra	Pipavav	Hazira	Chennai, Ennore, Kattupalli	Kochi	Tuticorin	Visakhapatnam	Kolkata	Haldia
34	15	3	5	32	5	17	9	7	4

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Performance Benchmarking: PAN India CFSs

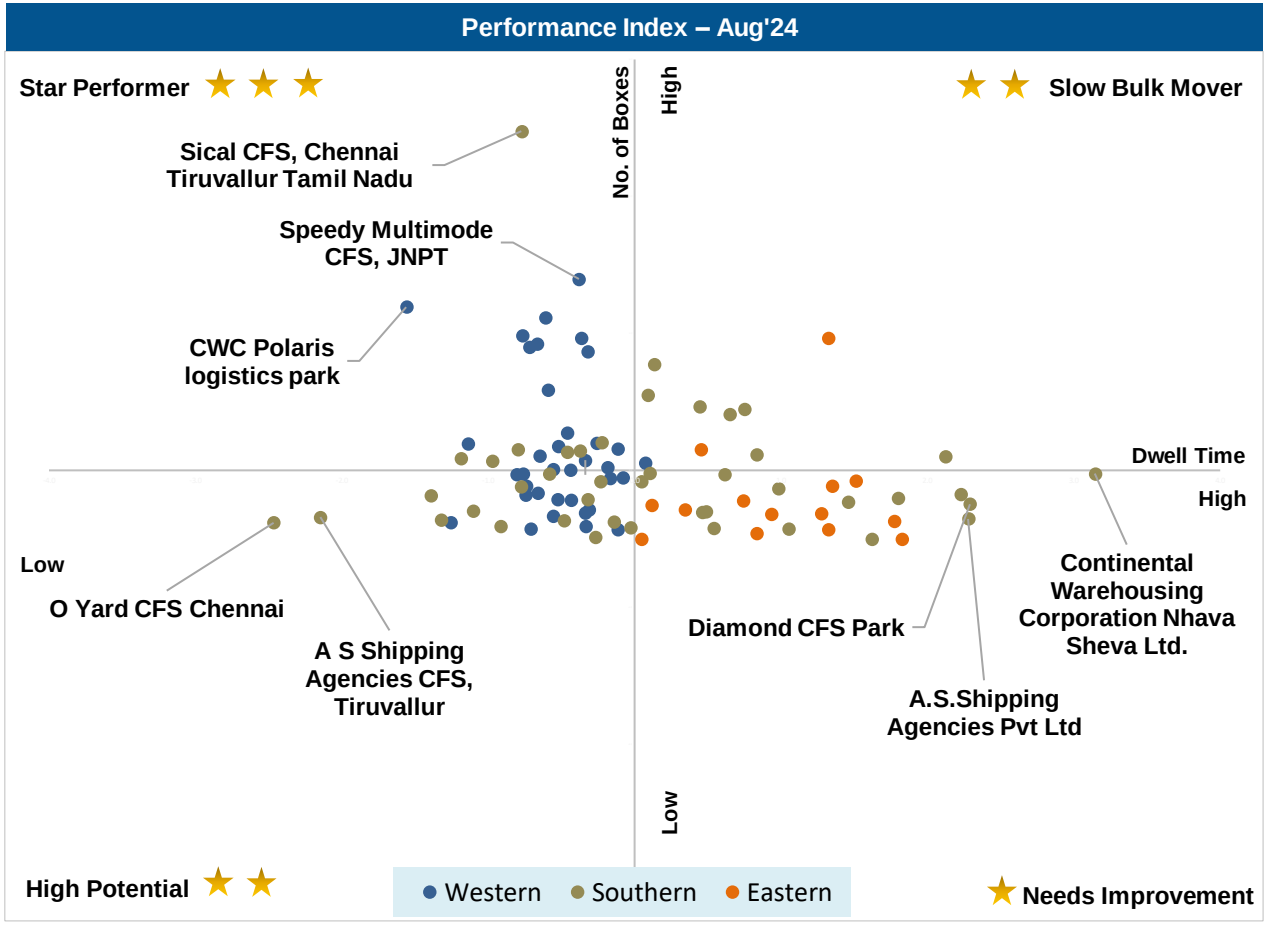
Performance benchmarking of CFSs based on dwell time vis-a-vis container count (no. of boxes) handled:

Top Performing CFS

- Sical CFS, Chennai Tiruvallur Tamil Nadu
- CWC Polaris logistics park
- Speedy Multimode CFS, JNPT

High Potential CFS

- O Yard CFS Chennai
- A S Shipping Agencies CFS, Tiruvallur



X-Axis: Dwell Time

Y-Axis: No. of Boxes

Low Performing CFS

- Continental Warehousing Corporation Nhava Sheva Ltd.
- A.S.Shipping Agencies Pvt Ltd
- Diamond CFS Park

Star Performer ★ ★ ★

Entities with high container count and low dwell time

High Potential ★ ★

Entities with low container count and low dwell time

Slow Bulk Movers ★ ★

Entities with high container count and high dwell time

Needs Improvement ★

Entities with low container count and high dwell time

© NICDC Logistics Data Services Limited

Dwell Time Performance: ICD Import & Export Cycle

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	131.0	↑	117.9	132.1	135.4	130.4
Southern Region	145.9	↑	124.5	141.7	132.9	143.3
Eastern Region	99.9	↓	122.3	92.7	106.4	99.0
Northern Region	135.5	↑	107.7	134.1	133.0	135.5

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'23 (in hrs)	OADT (in hrs)	MADT (in hrs)
Western Region	115.6	↑	101.3	93.5	97.0	108.0
Northern Region	103.3	↑	92.7	112.2	99.6	100.4

OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

ICD Performance Benchmarking: PAN India

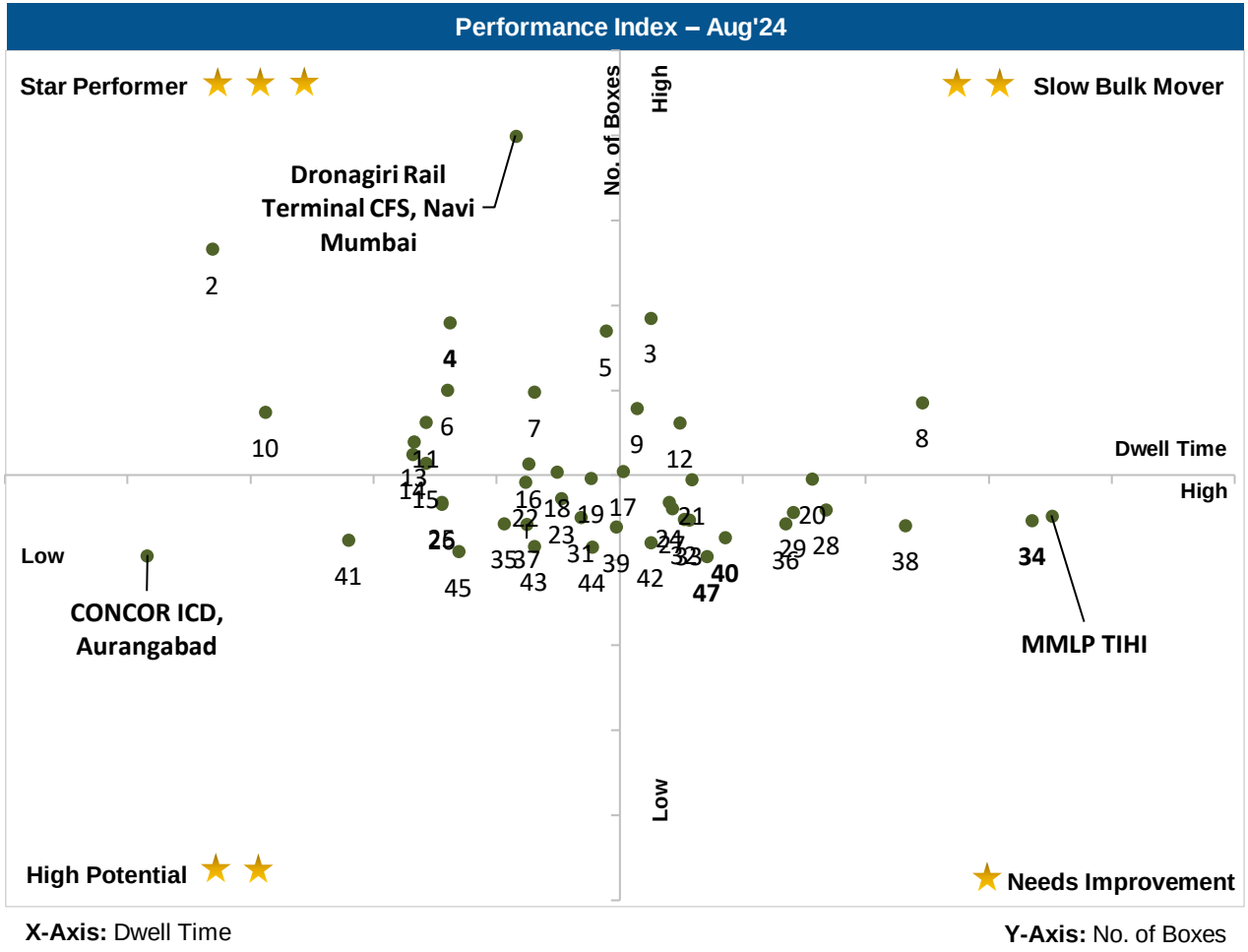
Performance benchmarking of ICDs based on dwell time vis-a-vis container count (no. of boxes) handled:

Top Performing ICD

Dronagiri Rail Terminal CFS, Navi Mumbai

High Potential ICD

CONCOR ICD, Aurangabad



Low Performing ICD

MMLP TIHI

Note:
Please refer annexure for ICD names

Dwell Time Performance: Domestic Containers

Terminal dwell time performance for handling domestic containers:

Terminals	Dwell time for handling domestic containers			Overall domestic containers distribution among terminals	
	Aug'24 (in hrs)		Jul'24 (in hrs)	Aug'24 (%)	Jul'24 (%)
International Container Transhipment Terminal, Kochi	66.7	↑	58.3	30.70%	28.40%
PSA SICAL Terminals	84.6	↓	131.0	12.50%	12.90%
Visakha Container Terminal	34.9	↓	50.9	11.00%	12.60%
Bharat Mumbai Container Terminals(PSA)	5.0	↓	15.3	6.80%	7.40%
Nhava Sheva Freeport Terminal (NSFT)	22.3	↑	16.4	7.80%	6.90%
Mangalore Container Terminal Private Limited (MCTPL)	69.5	↓	98.7	5.00%	6.30%
Kandla International Container Terminal (KICT)	212.0	↑	177.1	4.20%	5.80%
Chennai Container Terminal Pvt. Ltd. (CCTL)	85.2	↓	85.8	4.60%	4.50%
Dakshin Bharat Gateway Terminal (DBGT)	56.7	↓	64.6	5.80%	3.20%
Haldia International Container Terminal (HICT)	72.0	↓	96.0	2.60%	2.70%
Kolkata Dock System (KDS) , Kolkata Port	68.6	↑	65.9	2.40%	2.60%
Nhava Sheva India Gateway Terminal (NSIGT)	42.0	↓	51.8	2.90%	2.20%
Chennai International Terminals Pvt Ltd (CITPL)	-		74.7	-	2.10%
Nhava Sheva International Container Terminal (NSICT)	55.6	↓	67.0	3.10%	1.60%
Paradip International Cargo Terminal	137.0	↑	73.7	0.60%	0.80%

Terminal handling highest domestic containers

↓ ↑ Indicates decrease/ increase in dwell time from last month

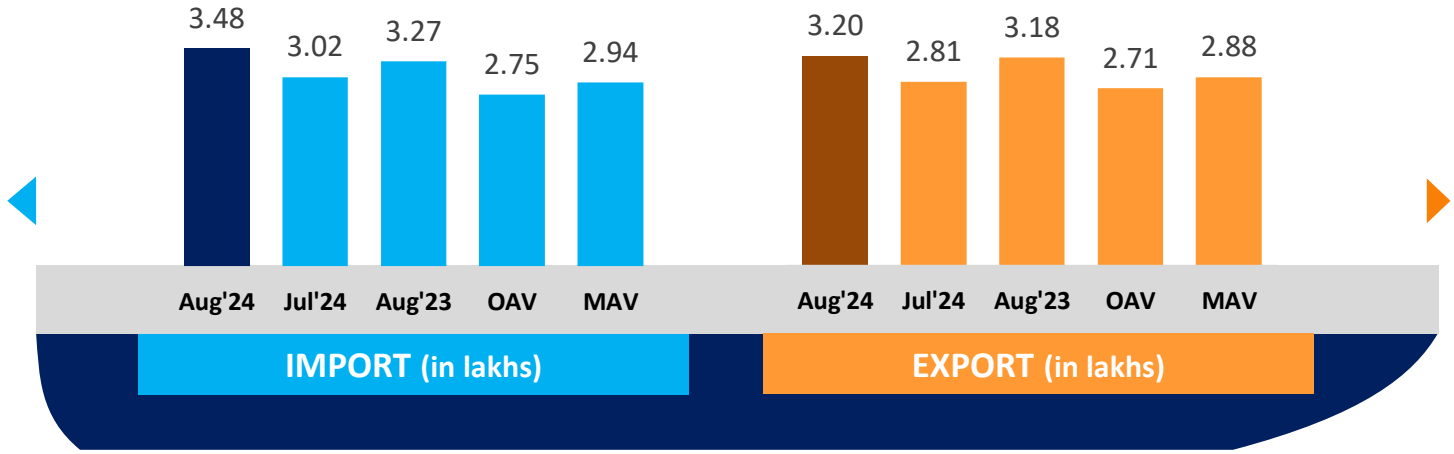
© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

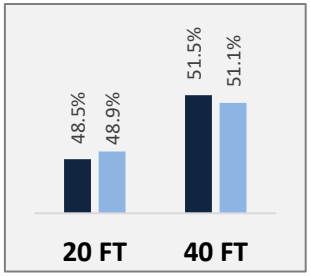
02
WESTERN REGION PERFORMANCE

Container Count: Western Region

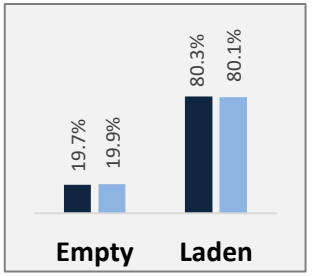
Western Region



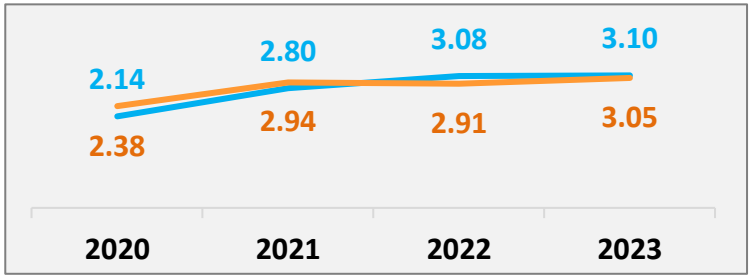
Container Size-wise (Import)



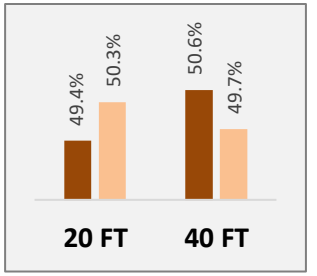
Container Type-wise (Import)



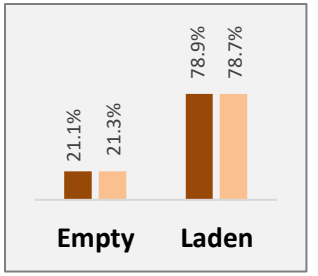
Container Count - Annual Average (in lakhs/ month)



Container Size-wise (Export)



Container Type-wise (Export)



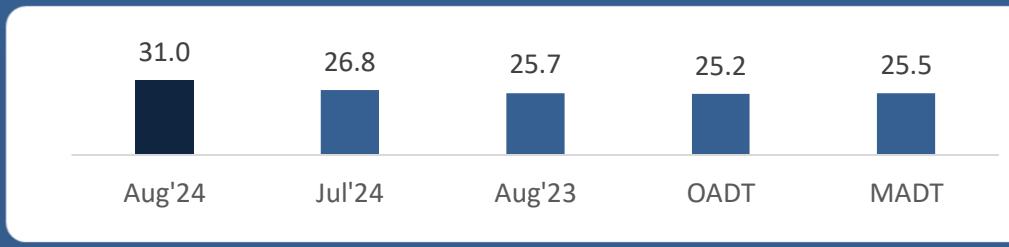
OAV – Overall Avg Volume
MAV – Monthly Avg Volume

© NICDC Logistics Data Services Limited

Dwell Time Performance: Western Region Import Cycle

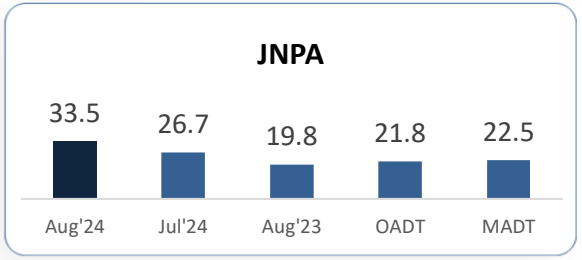
IMPORT

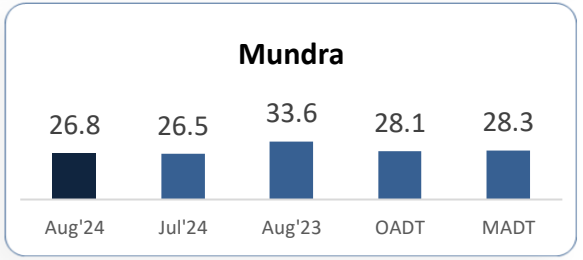
Western Region

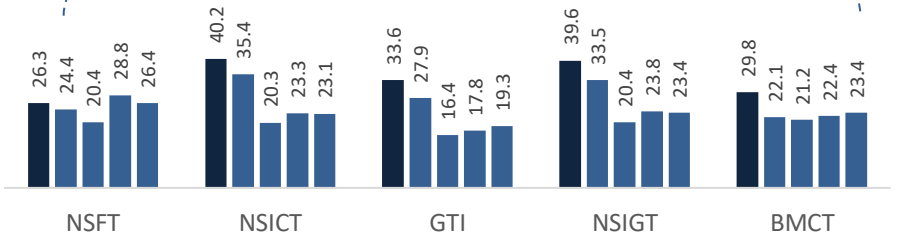


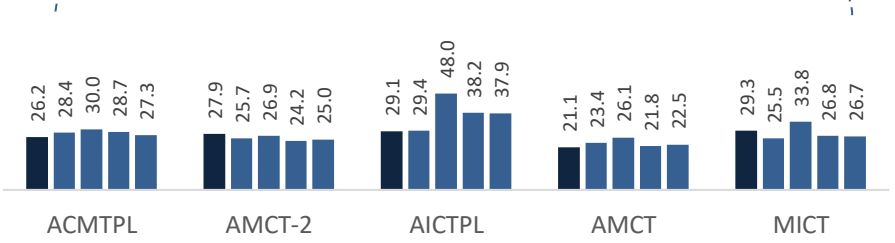
PAN India Import Dwell Time

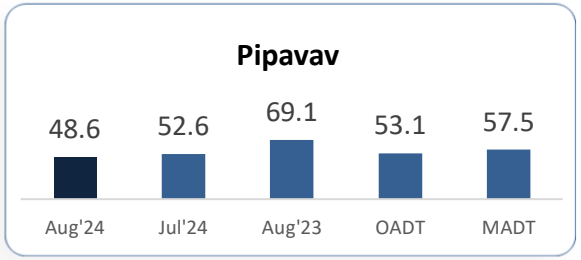
36.2 Hrs. (Aug'24)

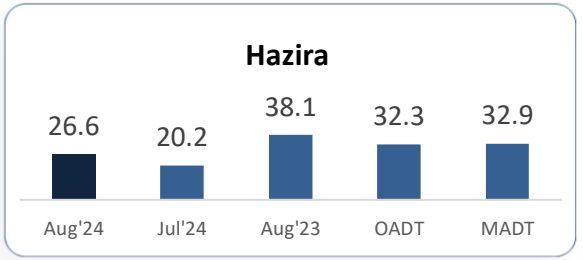


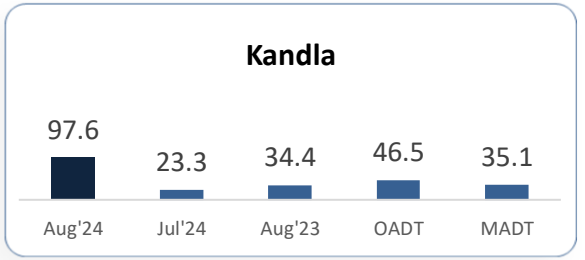












OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

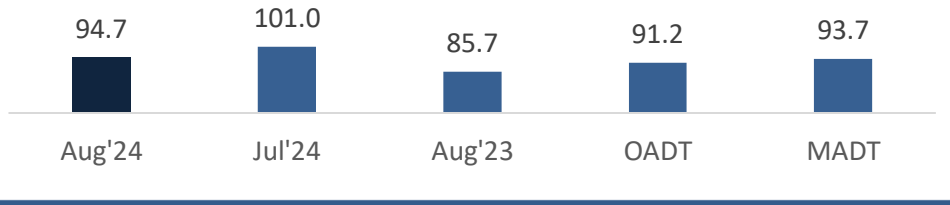
Note:
All values are in hours

© NICDC Logistics Data Services Limited

Dwell Time Performance: Western Region Export Cycle

EXPORT

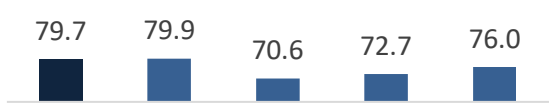
Western Region



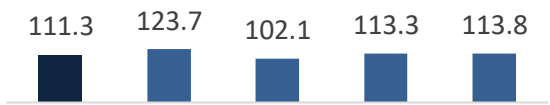
PAN India Export Dwell Time

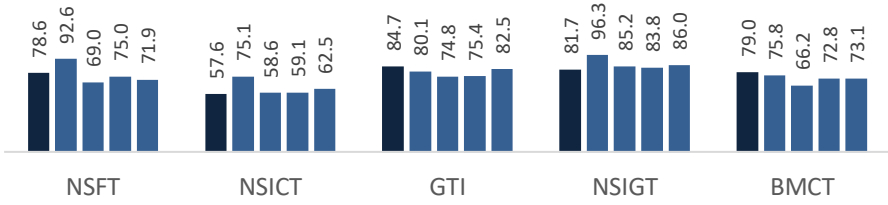
93.8 Hrs. (Aug'24)

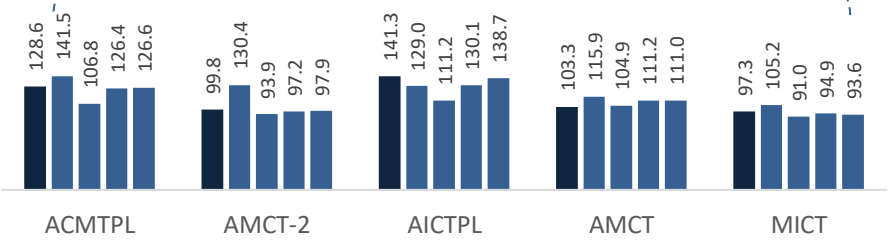
JNPA



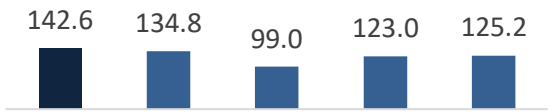
Mundra



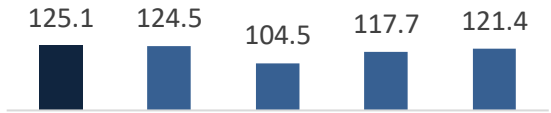




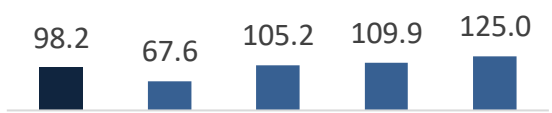
Pipavav



Hazira



Kandla



OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

Note:
All values are in hours

© NICDC Logistics Data Services Limited

Container Turnaround Analysis: Western Region

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective ports. This analyzes the number of containers getting imported and exported from same port along with the time taken by them to complete the cycle.

Port In (Import Cycle)	Port Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
JNPA	JNPA	96%	94%	95%	27.1	34.2	26.3
	Other Ports	4%	6%	5%	50.3	50.3	56.2
Mundra	Mundra	94%	95%	95%	33.3	29.9	33.7
	Other Ports	6%	5%	5%	46.6	21.2	53.7
Hazira	Hazira	94%	98%	98%	28.4	34.5	34.8
	Other Ports	6%	2%	2%	67.4	77.3	54.4
Kandla	Kandla	58%	-	83%	36.5	-	28.6
	Mundra	42%	-	16%	46.0	-	39.7
	Other Ports	-	-	1%	-	-	41.3
Pipavav	Mundra	45%	44%	49%	47.3	39.8	41.9
	Pipavav	51%	53%	48%	29.0	28.4	34.5
	Other Ports	4%	3%	3%	50.3	59.2	47.8

Container Turnaround Analysis: JNPA Port

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective terminals of the port. This analyzes the number of containers getting imported and exported from same terminal along with the time taken by them to complete the cycle.

Port Terminal In (Import Cycle)	Port Terminal Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
Bharat Mumbai Container Terminals(PSA)	Bharat Mumbai Container Terminals(PSA)	48%	59%	34%	26.5	33.9	28.3
	Gateway Terminals India (GTI)	28%	24%	19%	26.3	37.2	21.4
	Nhava Sheva Freeport Terminal (NSFT)	7%	7%	7%	28.4	36.6	31.3
	Nhava Sheva India Gateway Terminal (NSIGT)	7%	3%	17%	32.3	34.4	28.6
	Nhava Sheva International Container Terminal (NSICT)	10%	7%	23%	28.8	34.3	30.3
Gateway Terminals India (GTI)	Bharat Mumbai Container Terminals(PSA)	34%	39%	21%	26.3	53.9	21.8
	Gateway Terminals India (GTI)	46%	44%	40%	26.4	36.2	22.1
	Nhava Sheva Freeport Terminal (NSFT)	6%	9%	8%	28.3	30.1	20.7
	Nhava Sheva India Gateway Terminal (NSIGT)	6%	3%	15%	26.1	27.3	20.5
	Nhava Sheva International Container Terminal (NSICT)	8%	5%	16%	26.4	36.5	27.0
Nhava Sheva Freeport Terminal (NSFT)	Bharat Mumbai Container Terminals(PSA)	31%	28%	18%	29.6	24.3	28.9
	Gateway Terminals India (GTI)	28%	26%	23%	30.4	23.8	23.4
	Nhava Sheva Freeport Terminal (NSFT)	22%	28%	26%	28.3	31.2	26.9
	Nhava Sheva India Gateway Terminal (NSIGT)	12%	8%	17%	24.9	25.3	20.8
	Nhava Sheva International Container Terminal (NSICT)	7%	10%	16%	35.1	34.7	41.4
Nhava Sheva India Gateway Terminal (NSIGT)	Bharat Mumbai Container Terminals(PSA)	24%	28%	15%	27.1	34.2	37.9
	Gateway Terminals India (GTI)	24%	27%	14%	30.1	29.5	22.5
	Nhava Sheva Freeport Terminal (NSFT)	11%	20%	7%	26.9	32.4	19.9
	Nhava Sheva India Gateway Terminal (NSIGT)	29%	16%	49%	29.1	35.8	26.6
	Nhava Sheva International Container Terminal (NSICT)	12%	9%	15%	31.7	35.9	33.7
Nhava Sheva International Container Terminal (NSICT)	Bharat Mumbai Container Terminals(PSA)	29%	53%	22%	31.7	36.4	32.7
	Gateway Terminals India (GTI)	34%	19%	17%	24.6	32.7	25.9
	Nhava Sheva Freeport Terminal (NSFT)	8%	9%	6%	35.4	34.6	40.1
	Nhava Sheva India Gateway Terminal (NSIGT)	6%	2%	12%	25.3	26.6	29.0
	Nhava Sheva International Container Terminal (NSICT)	23%	17%	43%	23.4	32.3	30.0

Container Turnaround Analysis: Mundra Port

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective terminals of the port. This analyzes the number of containers getting imported and exported from same terminal along with the time taken by them to complete the cycle.

Port Terminal In (Import Cycle)	Port Terminal Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
Adani CMA Mundra Terminal (ACMTPL)	Adani CMA Mundra Terminal (ACMTPL)	59%	66%	57%	34.0	32.5	36.7
	Adani International Container Terminal (AICTPL)	1%	1%	3%	27.9	14.7	46.6
	Adani Mundra Container Terminal (AMCT)	26%	25%	28%	31.3	21.0	31.8
	Adani Mundra Container Terminal -2	7%	3%	6%	29.8	32.7	25.9
	Mundra International Container Terminal (MICT)	7%	5%	6%	33.5	22.0	27.8
Adani International Container Terminal (AICTPL)	Adani CMA Mundra Terminal (ACMTPL)	2%	11%	8%	27.6	30.8	19.7
	Adani International Container Terminal (AICTPL)	77%	41%	70%	49.1	41.0	37.4
	Adani Mundra Container Terminal (AMCT)	8%	15%	10%	29.3	84.4	30.0
	Adani Mundra Container Terminal -2	8%	10%	3%	33.8	42.9	29.4
	Mundra International Container Terminal (MICT)	5%	23%	9%	31.2	42.2	25.4
Adani Mundra Container Terminal (AMCT)	Adani CMA Mundra Terminal (ACMTPL)	16%	20%	27%	35.7	37.5	34.9
	Adani International Container Terminal (AICTPL)	5%	5%	5%	28.2	39.8	48.2
	Adani Mundra Container Terminal (AMCT)	41%	50%	43%	28.5	28.1	30.9
	Adani Mundra Container Terminal -2	26%	16%	11%	31.1	29.3	30.6
	Mundra International Container Terminal (MICT)	12%	9%	14%	25.5	25.1	35.1
Adani Mundra Container Terminal -2	Adani CMA Mundra Terminal (ACMTPL)	11%	15%	14%	31.3	22.0	32.1
	Adani International Container Terminal (AICTPL)	11%	15%	9%	22.8	23.9	37.6
	Adani Mundra Container Terminal (AMCT)	28%	33%	26%	27.5	39.5	34.1
	Adani Mundra Container Terminal -2	38%	20%	33%	34.3	35.4	32.0
	Mundra International Container Terminal (MICT)	12%	17%	18%	29.0	25.6	41.7
Mundra International Container Terminal (MICT)	Adani CMA Mundra Terminal (ACMTPL)	6%	7%	6%	35.4	27.5	28.7
	Adani International Container Terminal (AICTPL)	4%	13%	5%	35.1	27.9	50.2
	Adani Mundra Container Terminal (AMCT)	14%	33%	10%	33.1	29.0	46.3
	Adani Mundra Container Terminal -2	11%	13%	7%	35.1	28.6	54.1
	Mundra International Container Terminal (MICT)	65%	34%	72%	28.7	31.4	28.1

Western Region Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	26.4	↑	22.6
Train	57.0	↓	57.3
Overall	31.0	↑	26.8

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	94.7	↑	91.7
ICD	131.0	↑	117.9

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	87.0	↓	92.7
Train	142.3	↓	155.0
Overall	94.7	↓	101.0

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	69.7	↓	74.4
ICD	115.6	↑	101.3

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Port Performance Benchmarking: Western Region

Performance benchmarking of terminals based on dwell time vis-à-vis container count (no. of boxes) handled:

X-Axis: Dwell Time

Y-Axis: No. 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	APM Terminals Pipavav, Gujarat
H	Nhava Sheva Freeport Terminal (NSFT)
I	Mundra International Container Terminal (MICT)
J	Nhava Sheva India Gateway Terminal (NSIGT)
K	Nhava Sheva International Container Terminal (NSICT)
L	Kandla International Container Terminal (KICT)
M	Adani Mundra Container Terminal-2 (AMCT-2)

© NICDC Logistics Data Services Limited

Performance Benchmarking: Western Region

Performance benchmarking of terminals based on dwell time, container count (no. of boxes) handled, and terminal capacity for Aug'24:

X-Axis: Dwell Time

Bubble size represents the terminal capacity

Y-Axis: No. of Boxes

Star Performer ★ ★ ★

Entities with high container count and low dwell time

High Potential ★ ★

Entities with low container count and low dwell time

Slow Bulk Movers ★ ★

Entities with high container count and high dwell time

Needs Improvement ★

Entities with low container count and high dwell time

Note: Terminal abbreviation details are mentioned in annexure

© NICDC Logistics Data Services Limited

Port Performance Benchmarking (Previous year same month): Western Region

Performance benchmarking of terminals based on the change from previous year same month in dwell time vis-a-vis container count (no. of boxes) handled:

X-Axis: Change in dwell time

Y-Axis: Change in no. 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	APM Terminals Pipavav, Gujarat
H	Nhava Sheva Freeport Terminal (NSFT)
I	Mundra International Container Terminal (MICT)
J	Nhava Sheva India Gateway Terminal (NSIGT)
K	Nhava Sheva International Container Terminal (NSICT)
L	Kandla International Container Terminal (KICT)
M	Adani Mundra Container Terminal-2 (AMCT-2)

© NICDC Logistics Data Services Limited

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

Performance benchmarking of terminals based on dwell time vis-a-vis capacity (in TEU):

X-Axis: Dwell Time

Y-Axis: TEU Capacity

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

© NICDC Logistics Data Services Limited

CFS Performance Benchmarking: Western Region

Performance benchmarking of CFSs based on dwell time vis-a-vis container count (no. of boxes) handled:

Top Performing CFS

CWC Polaris Logistics park

High Potential CFS

JWR CFS

Low Performing CFS

TG Terminals CFS, Mundra

Note:
Please refer annexure for CFS names

© NICDC Logistics Data Services Limited

JNPA Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	31.1	↑	24.1
Train	53.0	↑	45.1
Overall	33.5	↑	26.7

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	2.7	↑	2.6
Port to ICD	108.0	↓	112.4

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	87.3	↑	84.0
ICD	131.0	↑	117.9

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	74.6	↑	72.9
ICD	115.6	↑	101.3

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS to Port	4.6	↓	4.7
ICD to Port	92.0	↓	95.2

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	76.6	↑	76.0
Train	112.9	↓	120.1
Overall	79.7	↓	79.9

Container Lifecycle (Export Cycle)

↓ ↑ Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Parking Plaza Analysis: JNPA Port

The analysis showcases waiting time of containers at parking plaza and transit time between parking plaza exit and port entry:

Parking Plaza Dwell Time	Aug'24 (in hrs)	Jul'24 (in hrs)
Gate in - Gate Out	6.6	7.2

Container Count Percentage: Hour-wise (Aug'24)

	Within 2 hrs	2-4 hrs	4-8 hrs	8-16 hrs	16-24 hrs	More than 24 hrs
Parking Plaza Dwell Time	6%	20%	32%	26%	10%	6%

Parking Plaza to JNPA Port	Aug'24 (in hrs)	Jul'24 (in hrs)
Gate Out – Terminal In	2.8	1.2

Port Terminal	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	-	1.6
NSICT	1.9	1.4
GTI	2.8	1.1
NSIGT	3.7	4.2
BMCT	-	3.5

Container Count Percentage: Hour-wise (Aug'24)

Parking Plaza to Port Terminal	Within 1 hrs	1-2 hrs	2-3 hrs	3-4 hrs	4-5 hrs	More than 5 hrs
NSFT	-	-	-	-	-	-
NSICT	42%	8%	17%	8%	8%	17%
GTI	15%	17%	26%	13%	9%	20%
NSIGT	17%	25%	0%	25%	0%	33%
BMCT	-	-	-	-	-	-

© NICDC Logistics Data Services Limited

Mundra Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	18.9	↓	19.8
Train	59.2	↓	67.8
Overall	26.8	↑	26.5

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	0.9		0.9
Port to ICD	93.0	↑	86.4

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	107.9	↑	100.7
ICD	131.0	↑	117.9

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	99.2	↓	111.0
Train	155.9	↓	170.7
Overall	111.3	↓	123.7

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS to Port	0.8		-
ICD to Port	66.0	↓	68.6

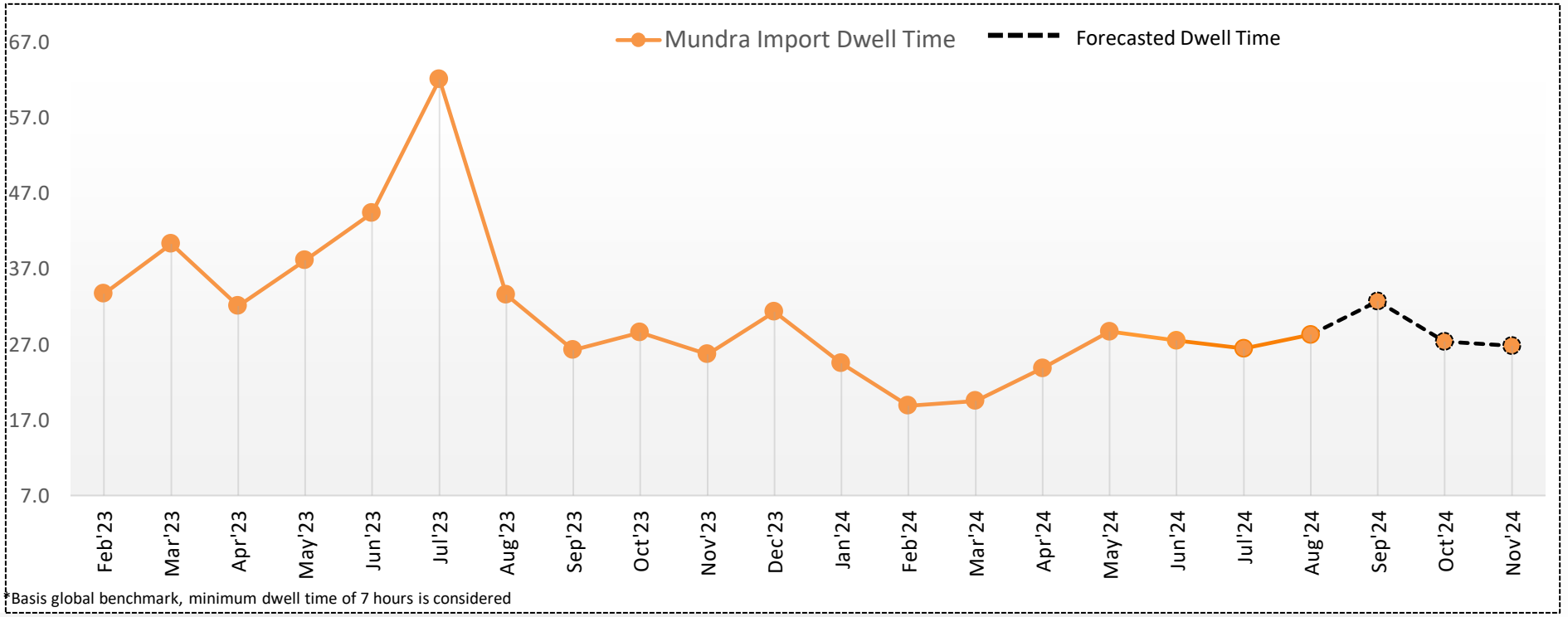
CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	62.8	↓	75.2
ICD	115.6	↑	101.3

↓ ↑ Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Predictive Analysis: Mundra Port



*Basis global benchmark, minimum dwell time of 7 hours is considered

	Jun'24	Jul'24	Aug'24	Sep'24	Oct'24	Nov'24
Actual Dwell Time (in hours)	27.5	26.5	26.8	-	-	-
Forecasted Dwell Time (in hours)	35.2	32.7	28.3	32.7	27.4	26.8

Note:
All values are in hours

© NICDC Logistics Data Services Limited

Parking Plaza Analysis: Mundra Port

The analysis showcases waiting time of containers at parking plaza

Parking Plaza Dwell Time (Gate In – Gate Out)	Aug'24 (in hrs)	Jul'24 (in hrs)
Adani Parking Yard No.1	1.3	1.7
North Gate Parking Yard	12.9	12.2

Container Count Percentage: Hour-wise (Aug'24)

Parking Plaza Dwell Time	Within 2 hrs	2-4 hrs	4-8 hrs	8-16 hrs	16-24 hrs	More than 24 hrs
Adani Parking Yard No. 1	66%	13%	10%	8%	3%	0%
North Gate Parking Yard	12%	7%	15%	26%	23%	17%

Pipavav Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	48.6	↓	52.6

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	96.5	↑	84.4

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	142.6	↑	134.8

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	77.1	↓	103.2

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Kandla Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	97.6	↑	23.3

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	98.2	↑	67.6

Port Dwell Time

Container Lifecycle (Export Cycle)

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Hazira Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	26.6	↑	20.2

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	107.5	↑	100.4

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	125.1	↑	124.5

CFS Dwell Time

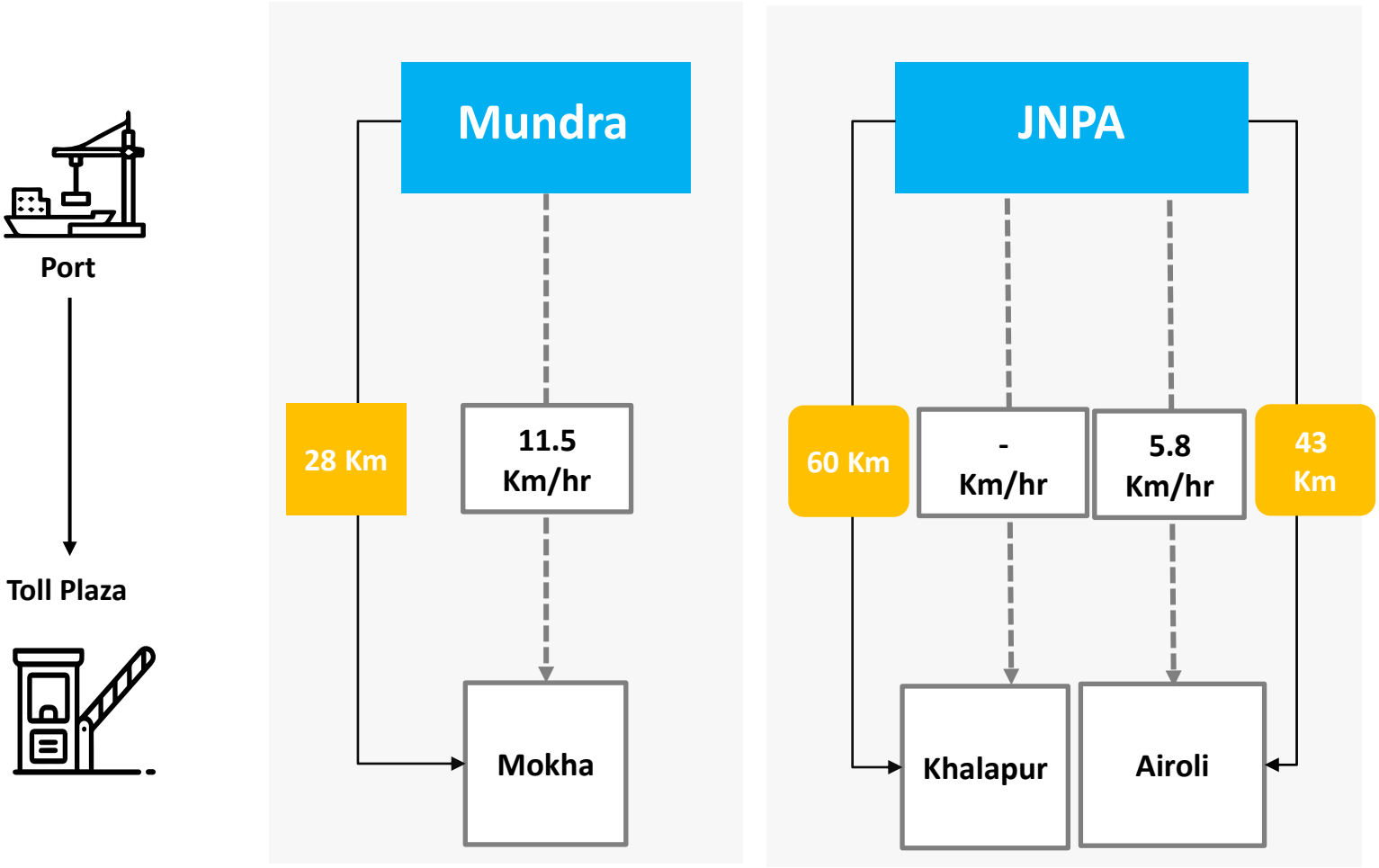
	Aug'24 (in hrs)	Jul'24 (in hrs)
CFS	-	-

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Port to Toll Plaza Transit Analysis: Western Region

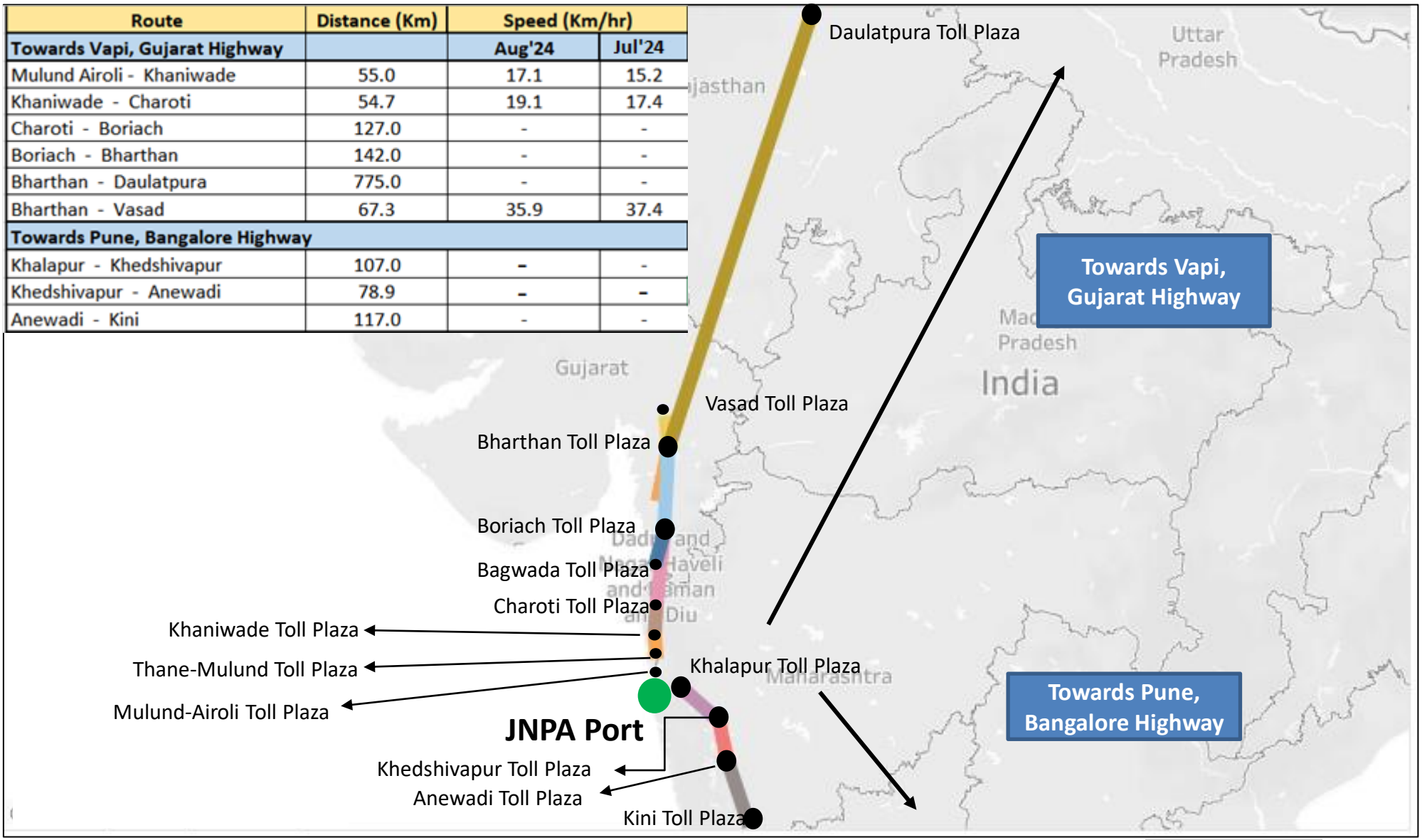
Average speed of trucks to cover the distance between port to nearest toll plaza for Aug'24:



Toll Plaza Analysis: JNPA Port

The average speed of trucks to cover the distance between adjacent toll plazas for Aug'24:

Route	Distance (Km)	Speed (Km/hr)	
Towards Vapi, Gujarat Highway		**Aug'24**	**Jul'24**
Mulund Airoli - Khaniwade	55.0	17.1	15.2
Khaniwade - Charoti	54.7	19.1	17.4
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	35.9	37.4
Towards Pune, Bangalore Highway			
Khalapur - Khedshivapur	107.0	-	-
Khedshivapur - Anewadi	78.9	-	-
Anewadi - Kini	117.0	-	-

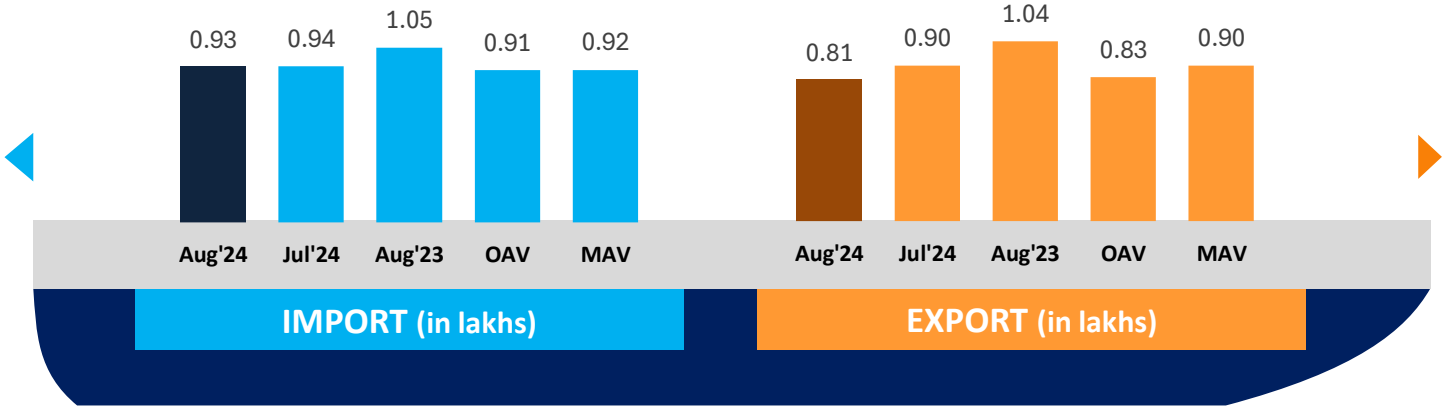


NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

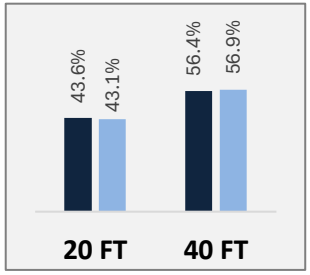
03
SOUTHERN REGION PERFORMANCE

Container Count: Southern Region

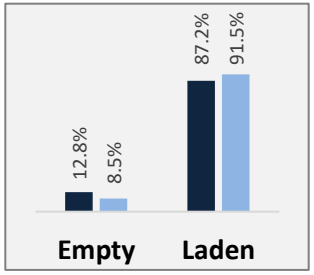
Southern Region



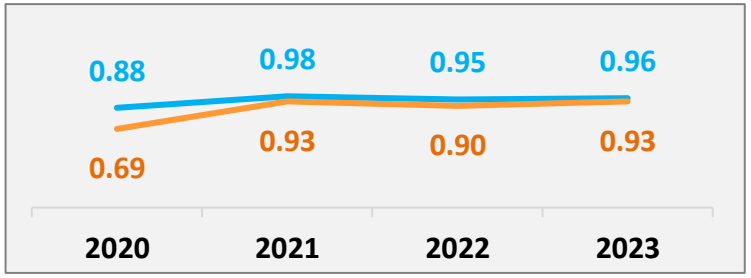
Container Size-wise (Import)



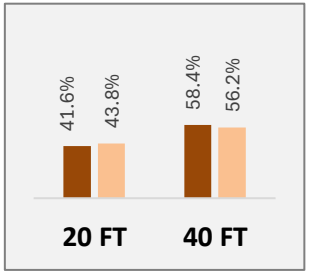
Container Type-wise (Import)



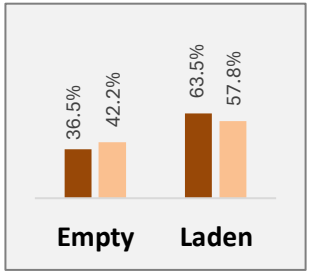
Container Count - Annual Average (in lakhs/ month)



Container Size-wise (Export)



Container Type-wise (Export)



Aug'24 Jul'24 | IMPORT EXPORT | Aug'24 Jul'24

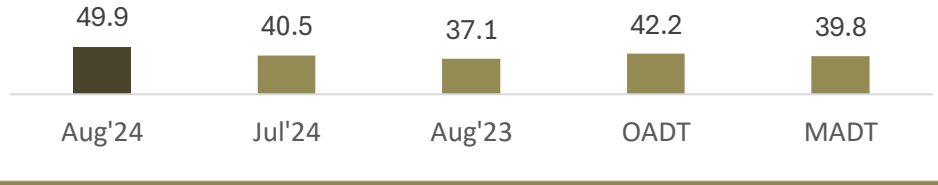
OAV – Overall Avg Volume
MAV – Monthly Avg Volume

© NICDC Logistics Data Services Limited

Dwell Time Performance: Southern Region Import Cycle

IMPORT

Southern Region

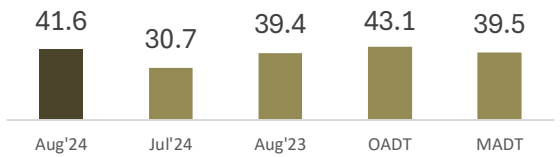


PAN India Import Dwell Time

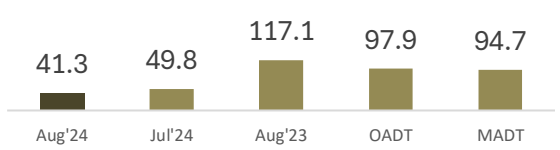
36.2 Hrs. (Aug'24)

Ports

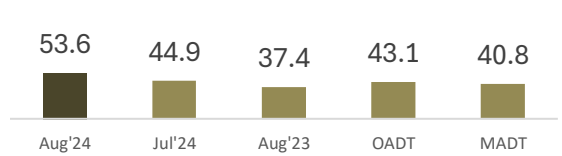
Kochi



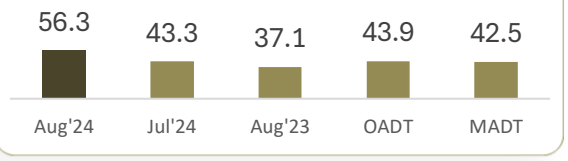
New Mangalore



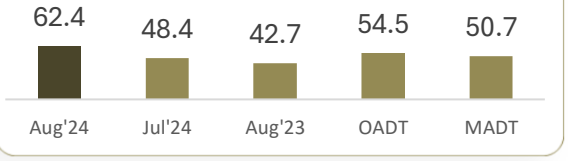
Ennore



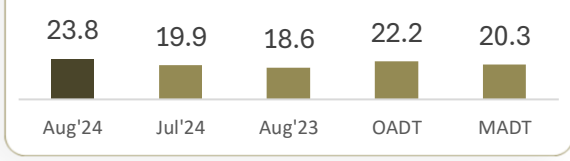
Chennai



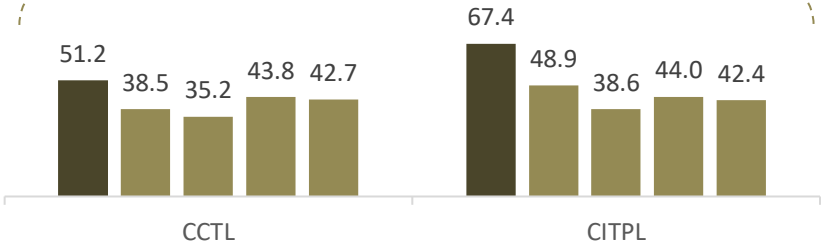
Kattupalli

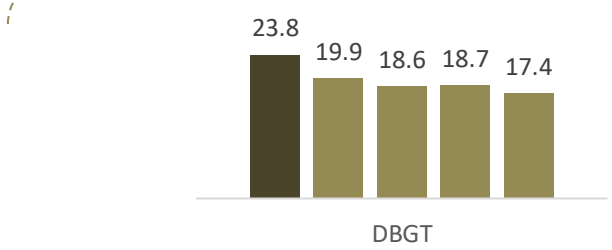


Tuticorin



Terminals





OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

Note:

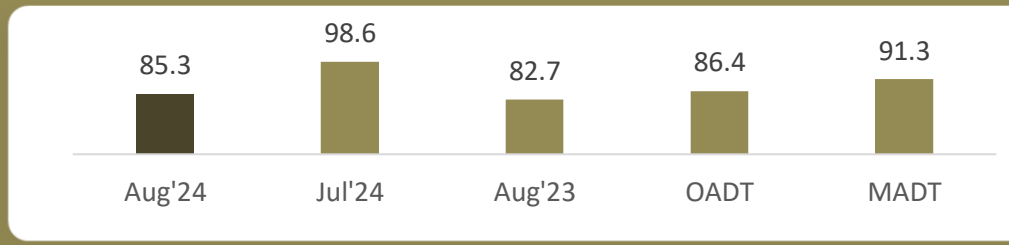
- Current and previous month New Mangalore dwell time does not include the free time at the port
- All values are in hours

© NICDC Logistics Data Services Limited

Dwell Time Performance: Southern Region Export Cycle

EXPORT

Southern Region

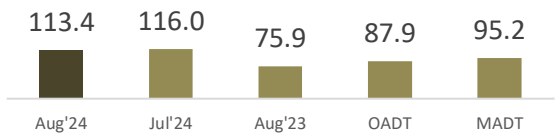


PAN India Export Dwell Time

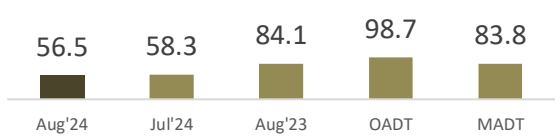
93.8 Hrs. (Aug'24)

Ports

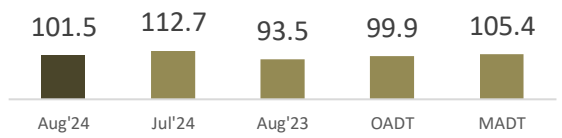
Kochi



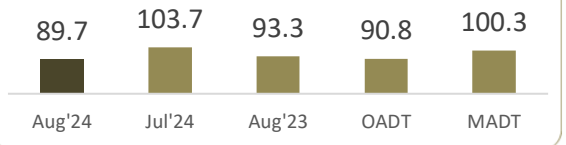
New Mangalore



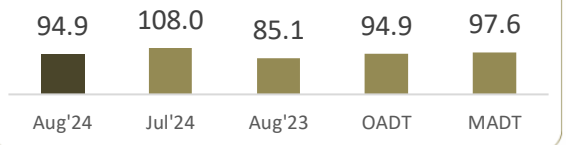
Ennore



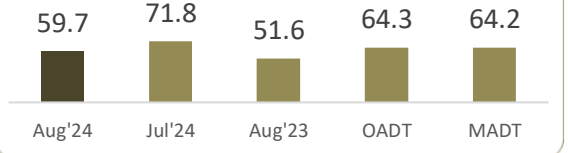
Chennai



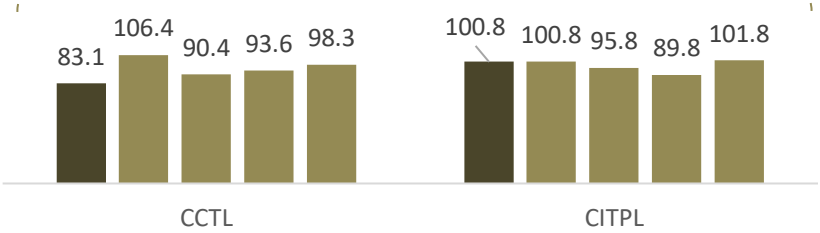
Kattupalli

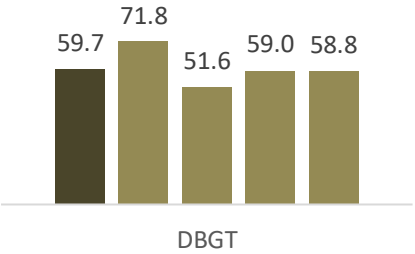


Tuticorin



Terminals





OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

Note:

- Current and previous month New Mangalore dwell time does not include the free time at the port
- All values are in hours

© NICDC Logistics Data Services Limited

Container Turnaround Analysis: Southern Region

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective ports. This analyzes the number of containers getting imported and exported from same port along with the time taken by them to complete the cycle.

Port In (Import Cycle)	Port Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
Kochi	Kochi	100%	100%	-	26.9	37.5	-
	Other Ports	-	-	-	-	-	-
Ennore	Ennore	94%	52%	89%	25.1	27.2	21.6
	Other Ports	6%	48%	11%	37.3	24.0	29.1
Tuticorin	Tuticorin	100%	93%	99%	21.7	20.8	28.4
	Other Ports	-	7%	1%	-	72.8	51.1
Chennai	Chennai	71%	62%	80%	24.0	29.3	20.9
	Kattupalli	23%	25%	17%	26.2	37.3	21.7
	Other Ports	6%	13%	3%	35.2	33.9	28.6
Kattupalli	Kattupalli	70%	53%	57%	30.0	31.0	27.7
	Chennai	20%	33%	42%	28.0	38.1	26.0
	Other Ports	10%	14%	1%	38.4	20.0	38.0

Container Turnaround Analysis: Chennai Port

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective terminals of the port. This analyzes the number of containers getting imported and exported from same terminal along with the time taken by them to complete the cycle.

Port Terminal In (Import Cycle)	Port Terminal Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
CCTL	CCTL	84%	78%	63%	23.1	27.4	21.0
	CITPL	16%	22%	37%	21.6	32.3	20.4
CITPL	CITPL	44%	73%	68%	27.9	31.4	23.2
	CCTL	56%	27%	32%	23.7	95.8	19.2

© NICDC Logistics Data Services Limited

Southern Region Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	50.0	↑	40.5
Train	32.4	↓	42.4
Overall	49.9	↑	40.5

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	128.6	↑	122.5
ICD	145.9	↑	124.5

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	85.2	↓	98.2
Train	103.5	↓	141.9
Overall	85.3	↓	98.6

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	38.9	↓	46.0
ICD	-		-

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

Port Performance Benchmarking: Southern Region

Performance benchmarking of terminals based on dwell time vis-à-vis container count (no. of boxes) handled:

X-Axis: Dwell Time

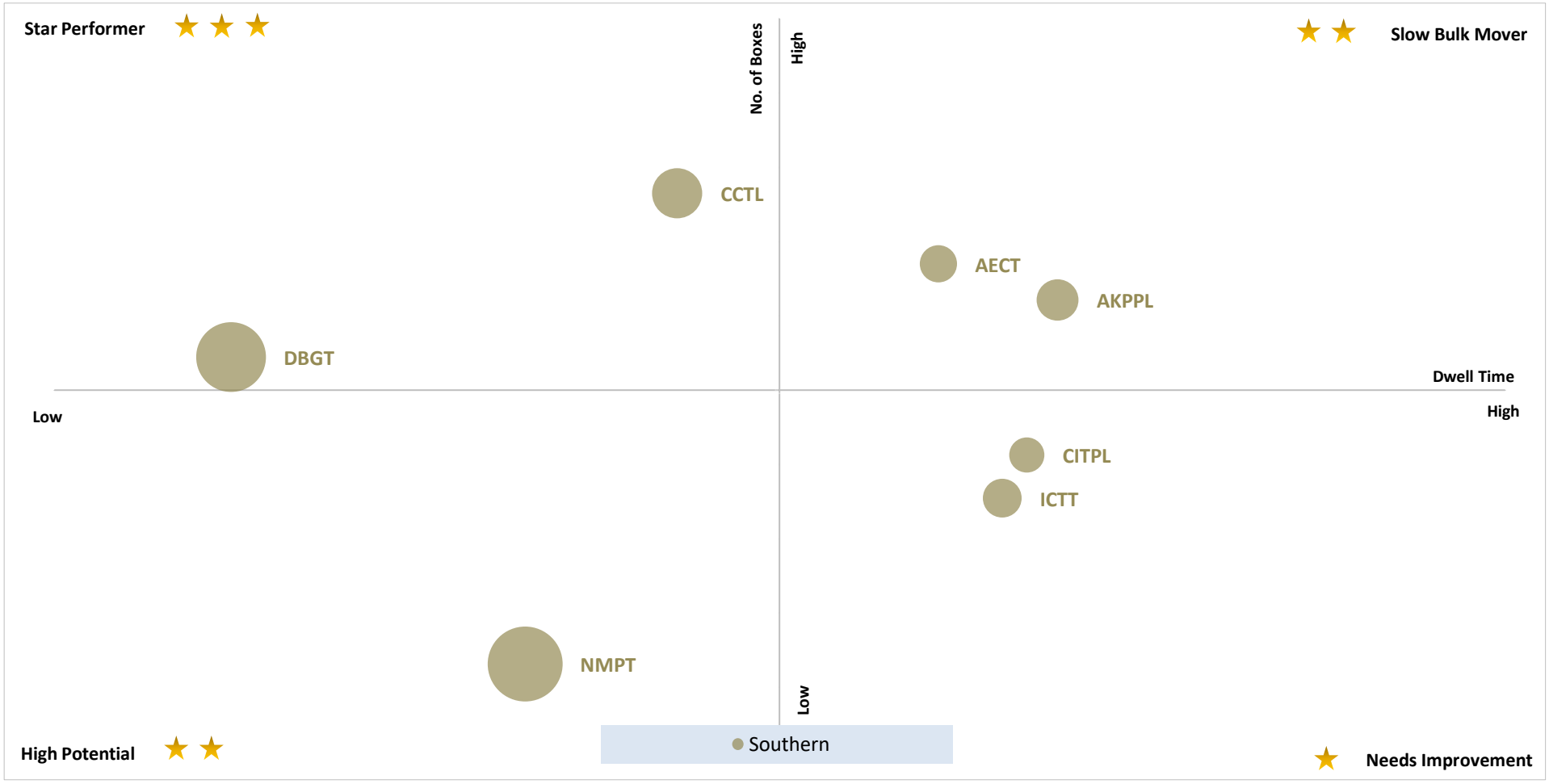
Y-Axis: No. of Boxes

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

*Note: For MCTPL the free time is not included in the calculations

Performance Benchmarking: Southern Region

Performance benchmarking of terminals based on dwell time, container count (no. of boxes) handled, and terminal capacity for Aug'24:



X-Axis: Dwell Time

Bubble size represents the terminal capacity

Y-Axis: No. of Boxes

Star Performer
Entities with high container count and low dwell time

High Potential
Entities with low container count and low dwell time

Slow Bulk Movers
Entities with high container count and high dwell time

Needs Improvement
Entities with low container count and high dwell time

Note: Terminal abbreviation details are mentioned in annexure

© NICDC Logistics Data Services Limited

Port Performance Benchmarking (Previous year same month): Southern Region

Performance benchmarking of terminals based on the change from previous year same month in dwell time vis-a-vis container count (no. of boxes) handled:

X-Axis: Change in dwell time

Y-Axis: Change in no. of boxes

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

*Note: For MCTPL the free time is not included in the calculations for current month

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

Performance benchmarking of terminals based on dwell time vis-a-vis capacity (in TEU):

X-Axis: Dwell Time

Y-Axis: TEU Capacity

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	PSA SICAL Terminals
G	Mangalore Container Terminal Private Limited (MCTPL)*
H	Adani Ennore Container Terminal
I	Adani Krishnapatnam Container Terminal Pvt Ltd (AKCTPL)

*Note: For MCTPL the free time is not included in the calculations

© NICDC Logistics Data Services Limited

CFS Performance Benchmarking: Southern Region

Performance benchmarking of CFSs based on dwell time vis-a-vis container count (no. of boxes) handled:

Top Performing CFS

Sical CFS, Chennai Tiruvallur Tamil Nadu

High Potential CFS

O Yard CFS Chennai

Low Performing CFS

Diamond CFS Park

Note:
Please refer annexure for CFS names

Chennai Port Performance

Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	56.6	↑	43.4
Train	32.5	↓	42.8
Overall	56.3	↑	43.3

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	3.5	↑	3.2

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	111.3	↓	112.9

EXPORT

Port Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	89.5	↓	103.0
Train	126.0	↓	159.1
Overall	89.7	↓	103.7

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS to Port	8.3	↓	11.0

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	43.7	↓	50.4

Container Lifecycle (Export Cycle)

↓ ↑ Indicates decrease/ increase in time from last month

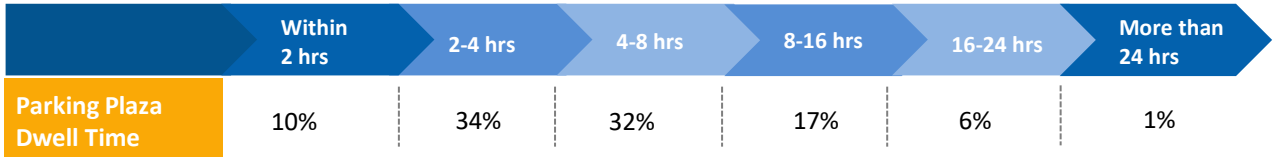
© NICDC Logistics Data Services Limited

Parking Plaza Analysis: Chennai Port

The analysis showcases waiting time of containers at parking plaza

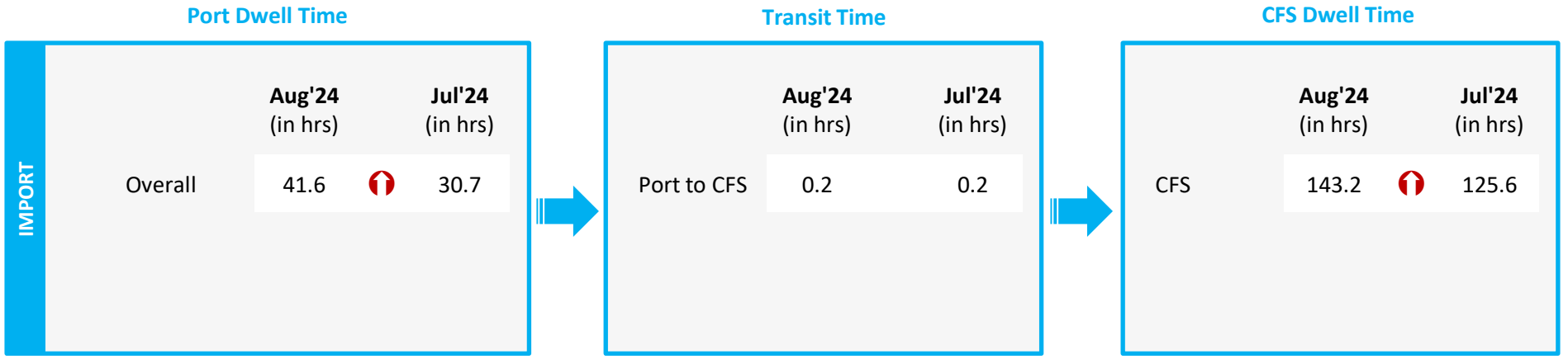
Parking Plaza Dwell Time (Gate In – Gate Out)	Aug'24 (in hrs)	Jul'24 (in hrs)
Thiruvottiyur CWC DPE Facility	4.5	4.1

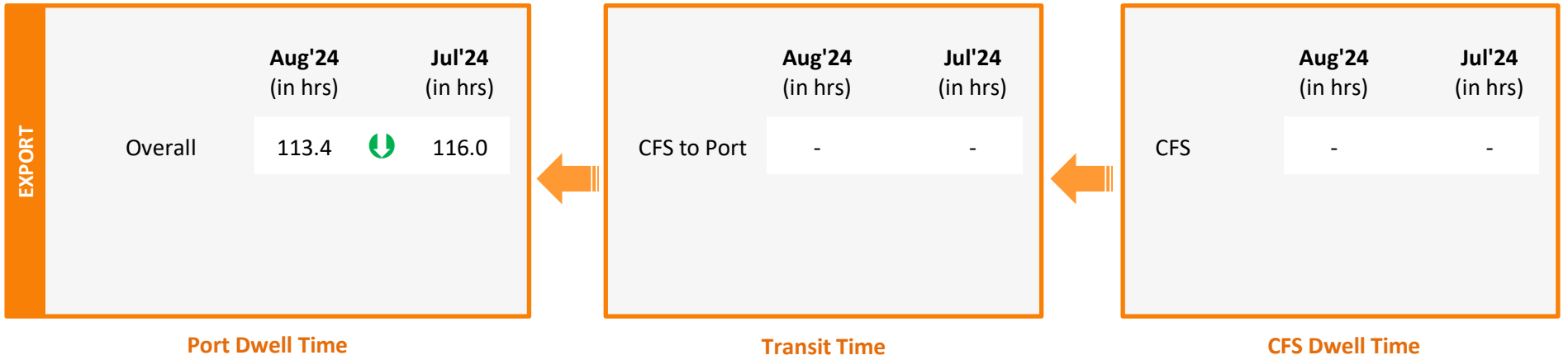
Container Count Percentage: Hour-wise (Aug'24)



Kochi Port Performance

Container Lifecycle (Import Cycle)





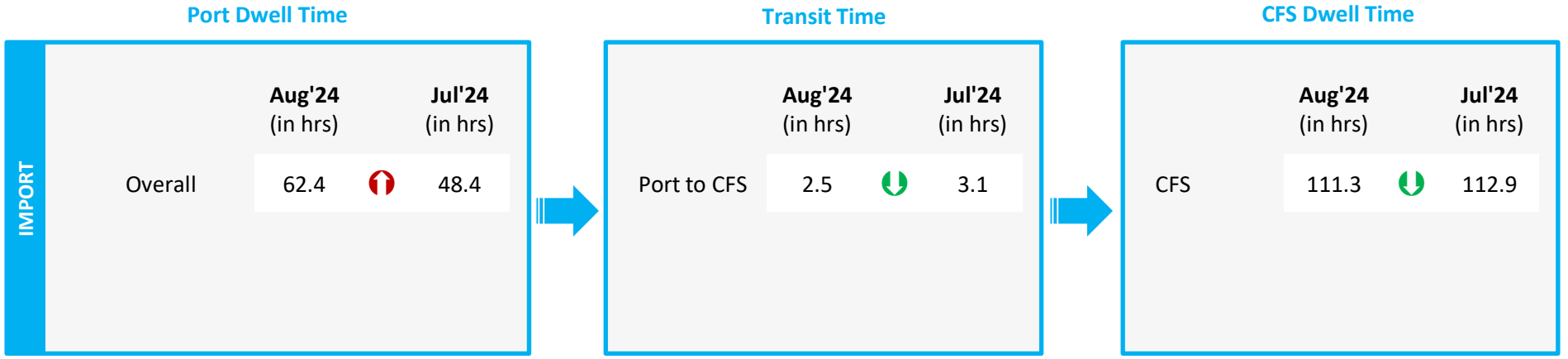
Container Lifecycle (Export Cycle)

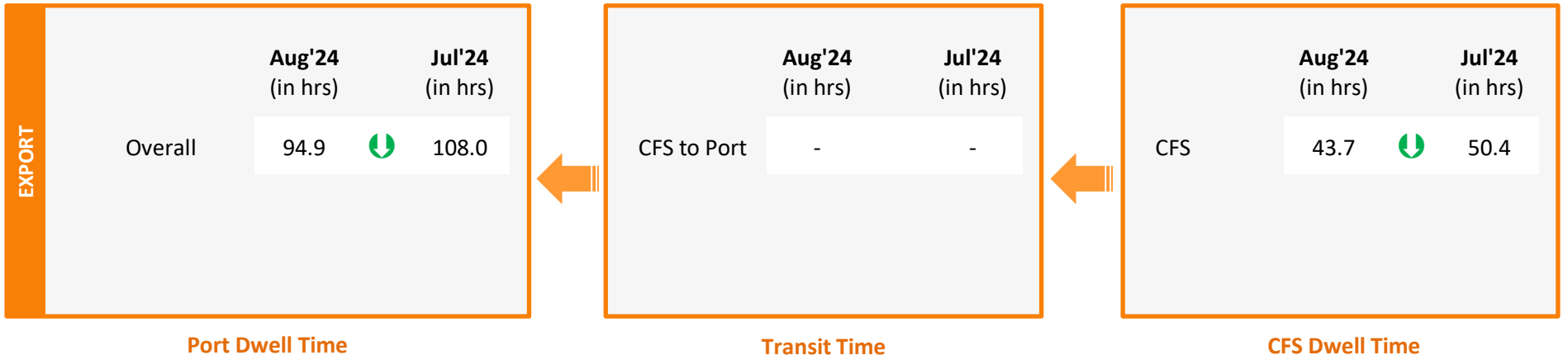
Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Kattupalli Port Performance

Container Lifecycle (Import Cycle)





Container Lifecycle (Export Cycle)

Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Tuticorin Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	23.8	↑	19.9

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	0.8	↑	0.7

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	196.3	↑	164.1

Container Lifecycle (Export Cycle)

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	26.9	↑	26.8

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS to Port	2.1	↑	1.6

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	59.7	↓	71.8

↓ ↑ Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Ennore Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	54.2	↑	45.1
Train	32.3	↓	42.1
Overall	53.6	↑	44.9

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	1.8	↑	1.7

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	111.3	↓	112.9

Container Lifecycle (Export Cycle)

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	43.7	↓	50.4

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS to Port	-		-

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	101.6	↓	112.2
Train	99.2	↓	124.7
Overall	101.5	↓	112.7

↓ ↑ Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

New Mangalore Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	41.3*	↓	49.8*

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	56.5*	↓	58.3*

Port Dwell Time

Container Lifecycle (Export Cycle)

***Note:** New Mangalore dwell time does not include the free time at the port

↓ ↑ Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Port to Toll Plaza Analysis: Southern Region

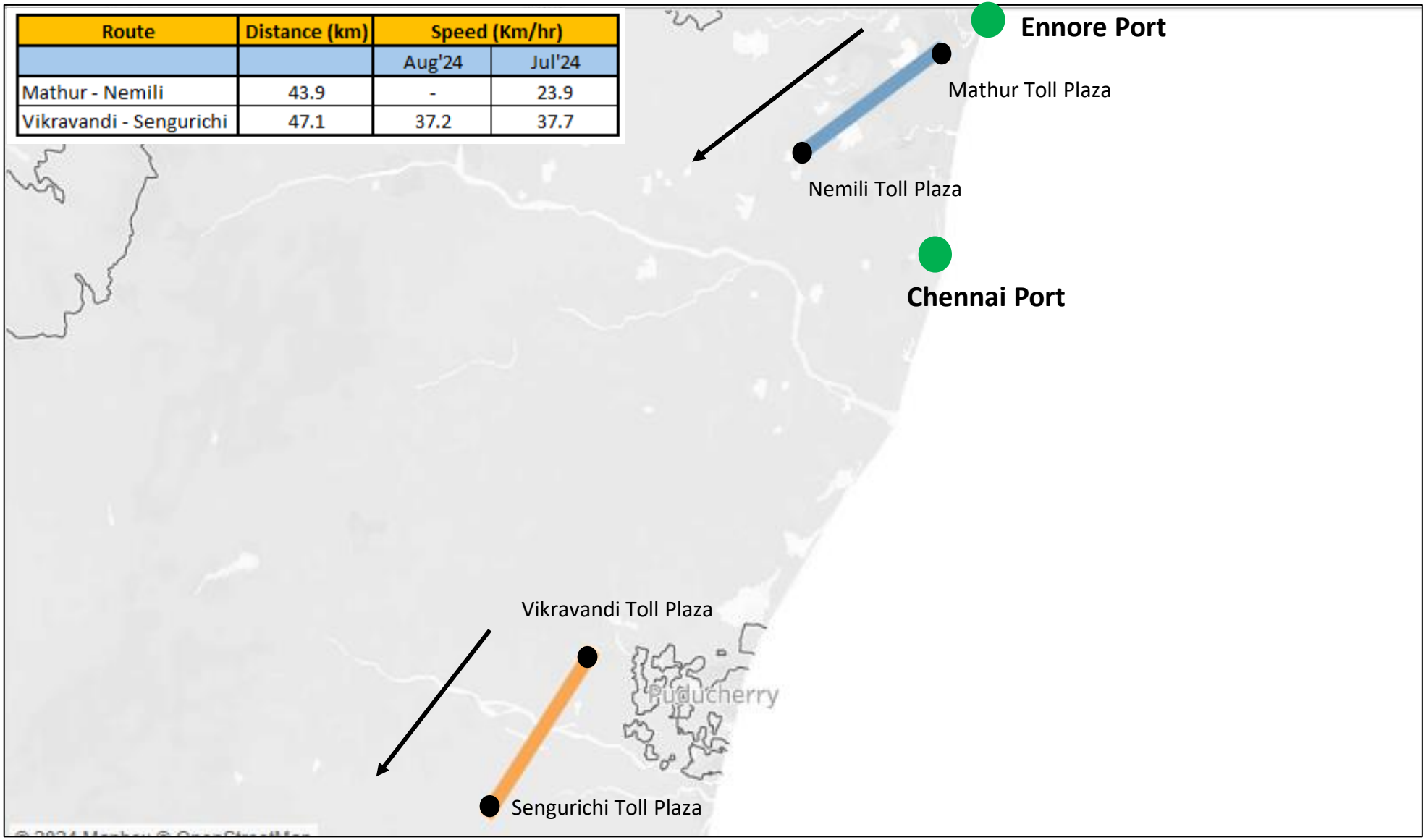
Below table depicts the average speed of a truck to cover the distance between the port and nearest toll plaza:

Region	Port	Adjacent Toll plaza	Distance (in Km)	Average Speed (in Km/hr)	
				Aug'24	Jul'24
Southern	Kochi	Ponnarimangalam	5	16.9	18.3
	New Mangalore	Brahamarakotlu	25	16.0	23.7
	Chennai	Mathur	25	10.3	26.7
	Kattupalli	Mathur	28	19.2	29.8
	Ennore	Mathur	21	14.3	12.7
	Tuticorin	Pudurpandiyapuram	29	40.5	43.9

Toll Plaza Analysis: Chennai and Ennore Port

The average speed of trucks to cover the distance between adjacent toll plazas for Aug'24:

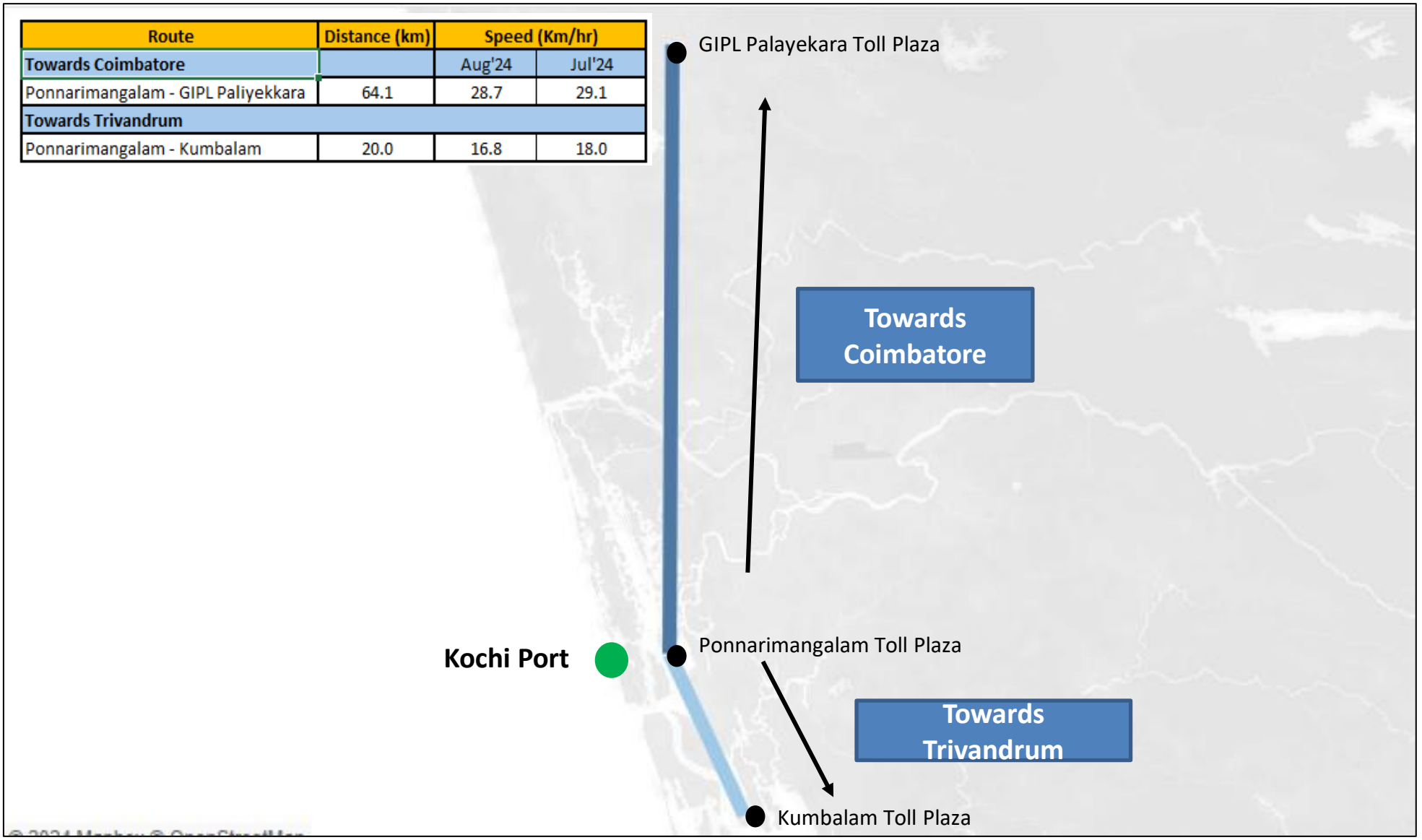
Route	Distance (km)	Speed (Km/hr)	
		Aug'24	Jul'24
Mathur - Nemili	43.9	-	23.9
Vikravandi - Sengurichi	47.1	37.2	37.7



Toll Plaza Analysis: Kochi Port

The average speed of trucks to cover the distance between adjacent toll plazas for Aug'24:

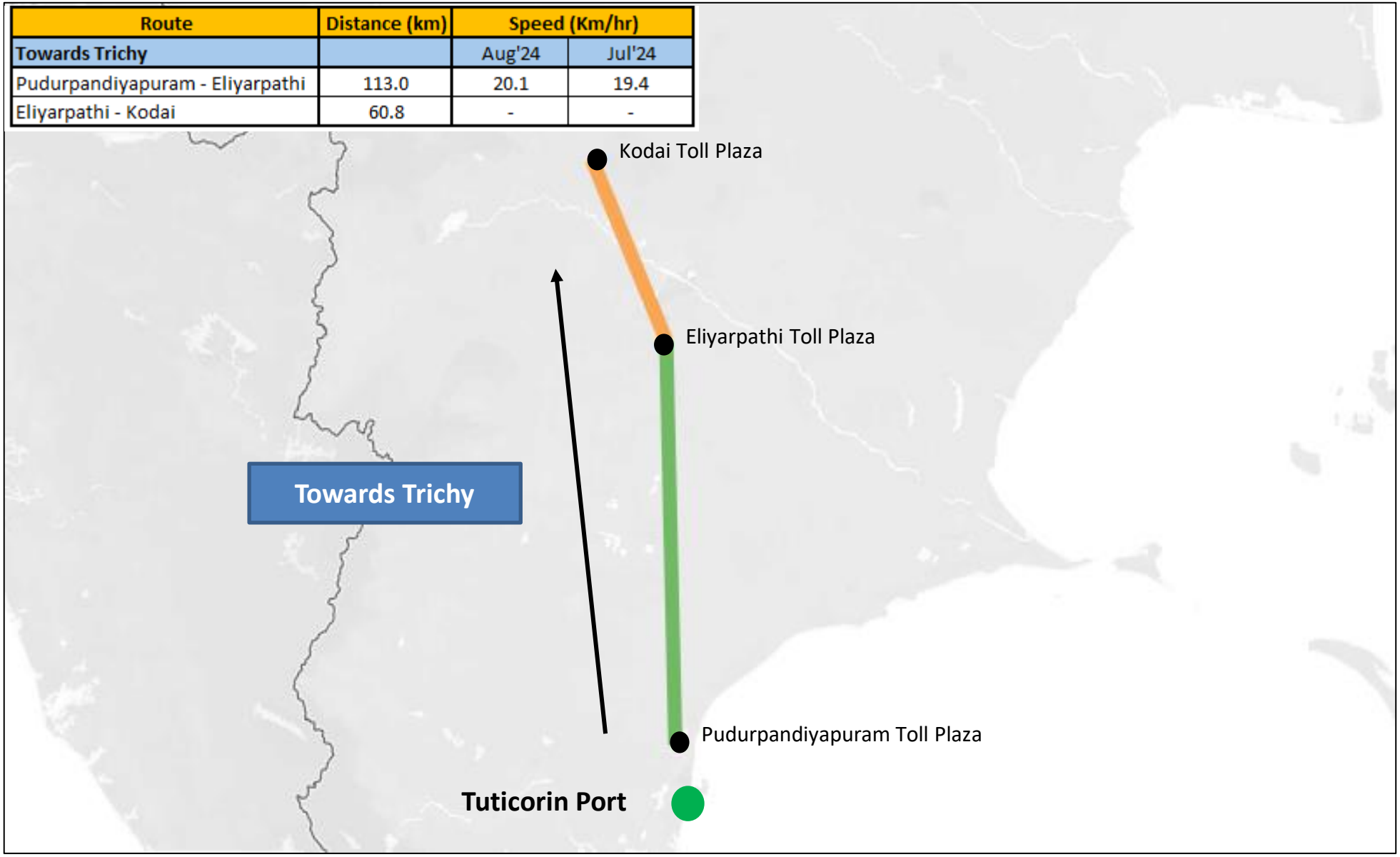
Route	Distance (km)	Speed (Km/hr)	
Towards Coimbatore		Aug'24	Jul'24
Ponnarimangalam - GIPL Paliyekkara	64.1	28.7	29.1
Towards Trivandrum			
Ponnarimangalam - Kumbalam	20.0	16.8	18.0



Toll Plaza Analysis: Tuticorin Port

The average speed of trucks to cover the distance between adjacent toll plazas for Aug'24:

Route	Distance (km)	Speed (Km/hr)	
Towards Trichy		Aug'24	Jul'24
Pudurpandiyapuram - Eliyarpathi	113.0	20.1	19.4
Eliyarpathi - Kodai	60.8	-	-



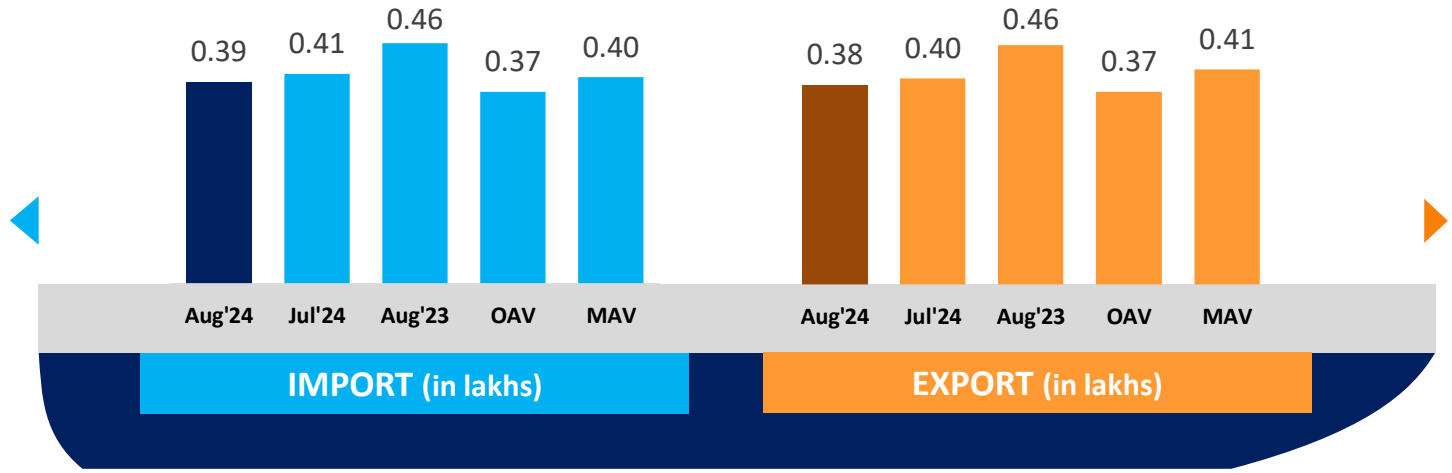
© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

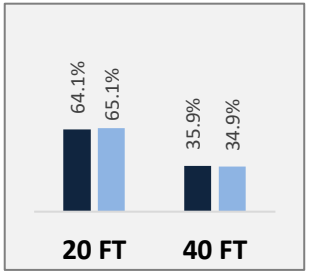
04
EASTERN REGION PERFORMANCE

Container Count: Eastern Region

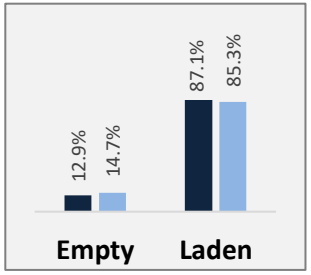
Eastern Region



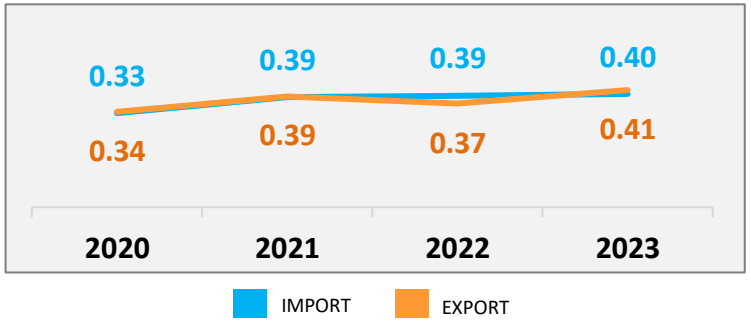
Container Size-wise (Import)



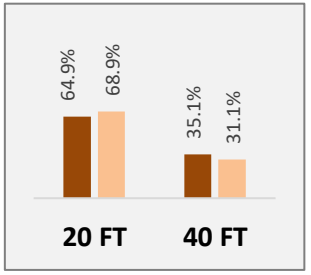
Container Type-wise (Import)



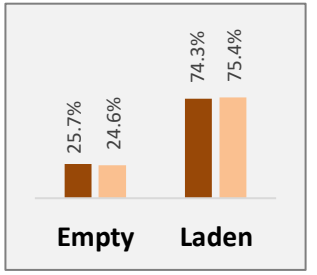
Container Count - Annual Average (in lakhs/ month)



Container Size-wise (Export)



Container Type-wise (Export)



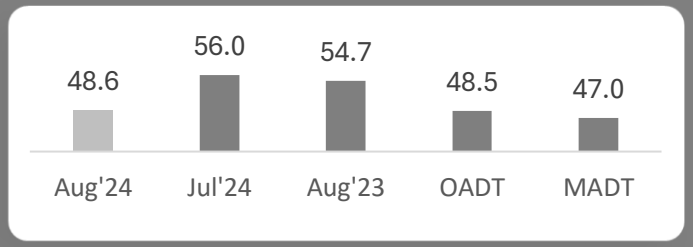
OAV – Overall Avg Volume
MAV – Monthly Avg Volume

© NICDC Logistics Data Services Limited

Dwell Time Performance: Eastern Region Import/ Export Cycle

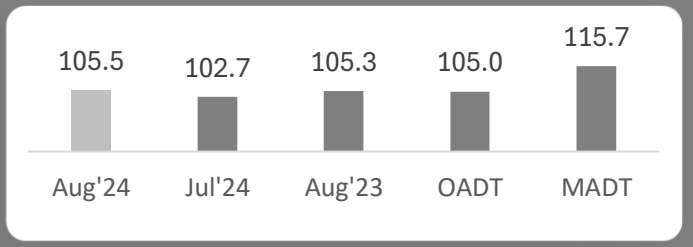
Eastern Region

IMPORT



PAN India Import Dwell Time (Aug'24)
36.2 Hrs.

EXPORT

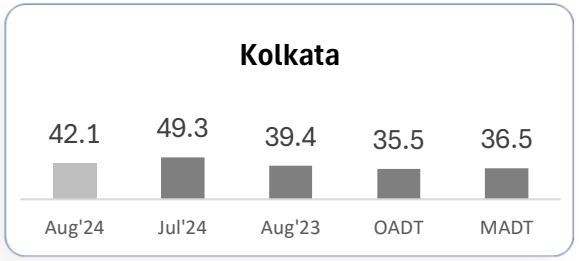


PAN India Export Dwell Time (Aug'24)
93.8 Hrs.

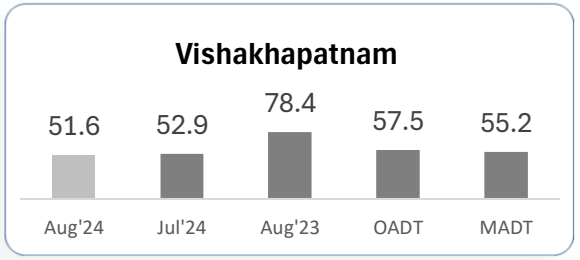
IMPORT

Ports

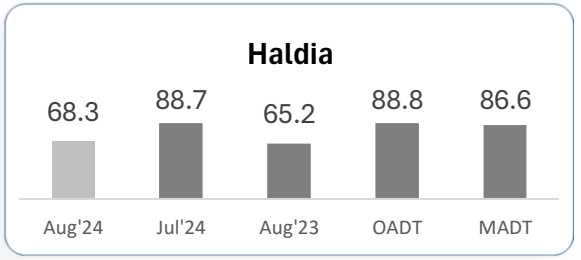
Kolkata



Vishakhapatnam



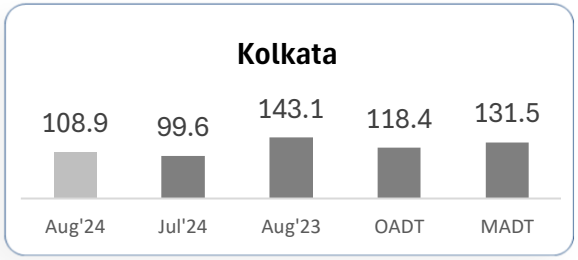
Haldia



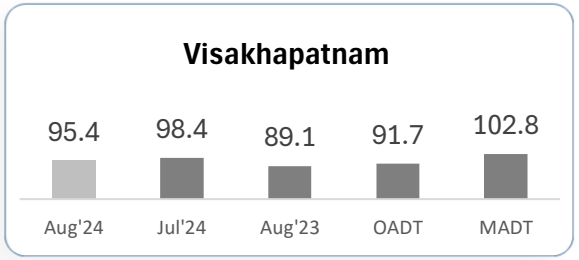
EXPORT

Ports

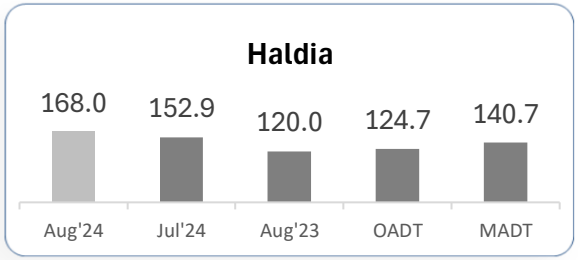
Kolkata



Visakhapatnam



Haldia



OADT – Overall Avg Dwell Time
MADT – Monthly Avg Dwell Time

Note:
All values are in hours

© NICDC Logistics Data Services Limited

Container Turnaround Analysis: Eastern Region

Container turnaround analysis showcases the percentage of container count (no. of boxes) retained by respective ports. This analyzes the number of containers getting imported and exported from same port along with the time taken by them to complete the cycle.

Port In (Import Cycle)	Port Out (Export Cycle)	No. of Boxes Handled (in Percentage)			Turnaround Time (in Days)		
		Aug'24	Jul'24	Aug'23	Aug'24	Jul'24	Aug'23
Visakhapatnam	Visakhapatnam	95%	95%	98%	29.0	34.1	32.7
	Other Ports	5%	5%	2%	67.5	155.3	49.6
Kolkata	Kolkata	92%	91%	-	33.6	51.1	-
	Haldia	5%	6%	-	40.9	25.4	-
	Other Ports	3%	3%	-	56.0	72.1	-
Haldia	Haldia	73%	60%	100%	36.0	28.0	28.5
	Kolkata	26%	40%	-	38.5	26.5	-
	Other Ports	1%	-	-	46.6	-	-

© NICDC Logistics Data Services Limited

Eastern Region Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	43.9	↓	51.8
Train	171.9	↑	141.8
Overall	48.6	↓	56.0

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	160.9	↑	150.5
ICD	99.9	↓	122.3

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Truck	104.8	↑	100.7
Train	108.8	↓	127.1
Overall	105.5	↑	102.7

CFS/ ICD Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	88.2	↓	98.0
ICD	-		-

↓ ↑ Indicates decrease/ increase in dwell time from last month

© NICDC Logistics Data Services Limited

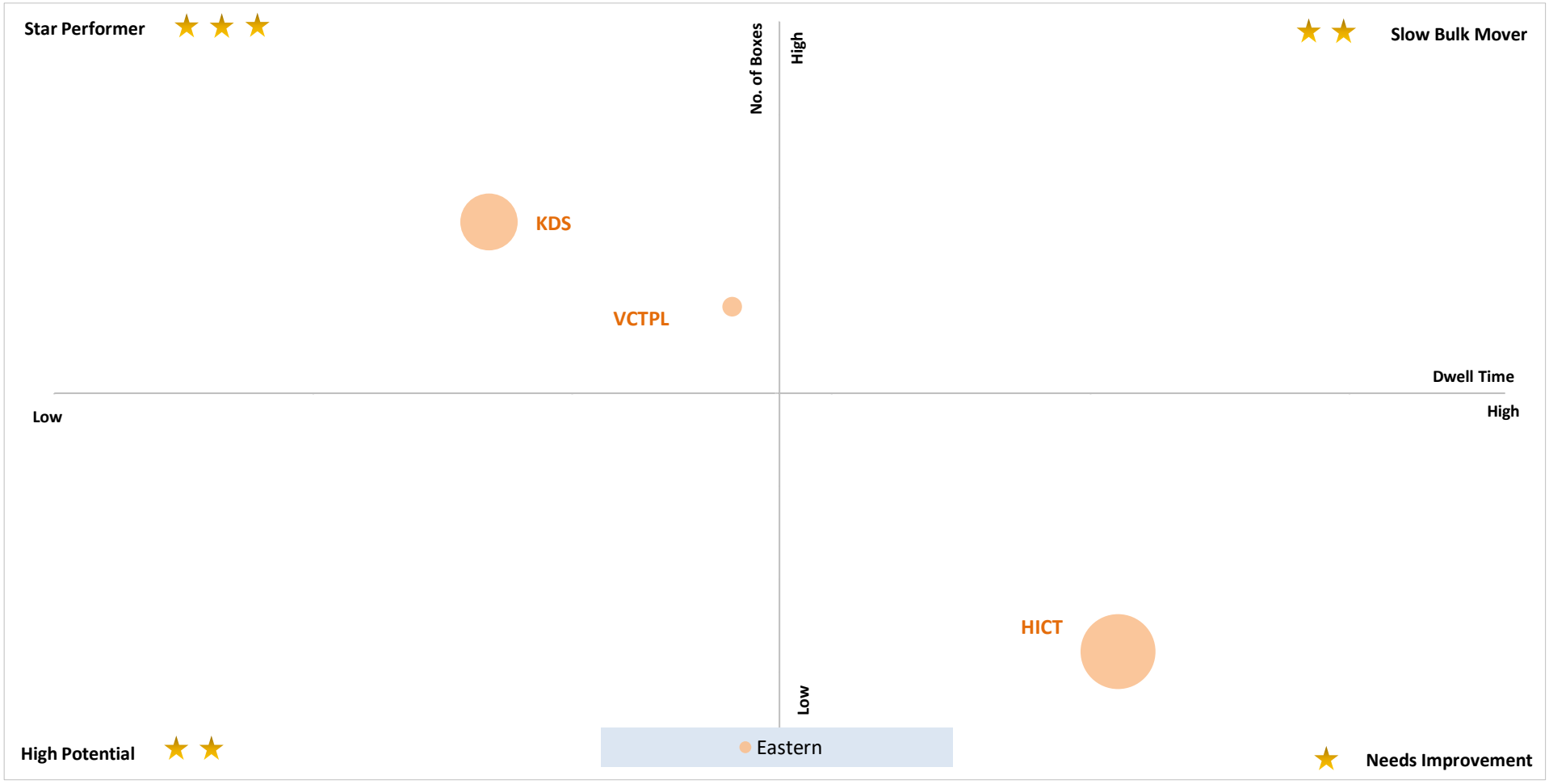
Port Performance Benchmarking: Eastern Region

Performance benchmarking of terminals based on dwell time vis-à-vis container count (no. of boxes) handled:

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

Performance Benchmarking: Eastern Region

Performance benchmarking of terminals based on dwell time, container count (no. of boxes) handled, and terminal capacity for Aug'24:



X-Axis: Dwell Time

Bubble size represents the terminal capacity

Y-Axis: No. of Boxes

Star Performer
Entities with high container count and low dwell time

High Potential
Entities with low container count and low dwell time

Slow Bulk Movers
Entities with high container count and high dwell time

Needs Improvement
Entities with low container count and high dwell time

Note: Terminal abbreviation details are mentioned in annexure

© NICDC Logistics Data Services Limited

Port Performance Benchmarking (Previous year same month): Eastern Region

Performance benchmarking of terminals based on the change from previous year same month in dwell time vis-a-vis container count (no. of boxes) handled:

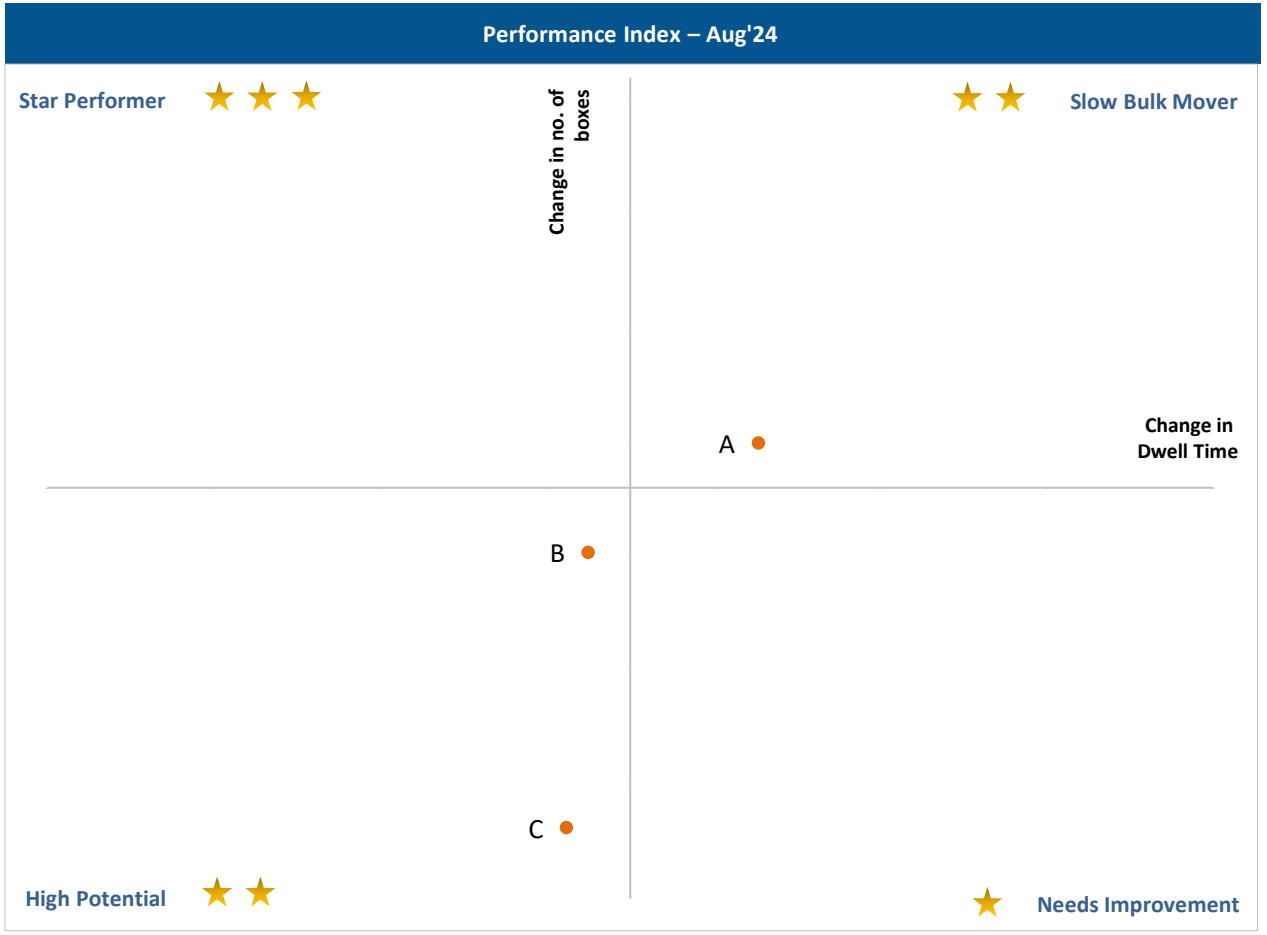


Abb.	Name of Terminal
A	Haldia International Container Terminal (HICT)
B	Kolkata Dock System (KDS) , Kolkata Port
C	Visakha Container Terminal

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

Performance benchmarking of terminals based on dwell time vis-a-vis capacity (in TEU):

X-Axis: Dwell Time

Y-Axis: TEU Capacity

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

CFS Performance Benchmarking: Eastern Region

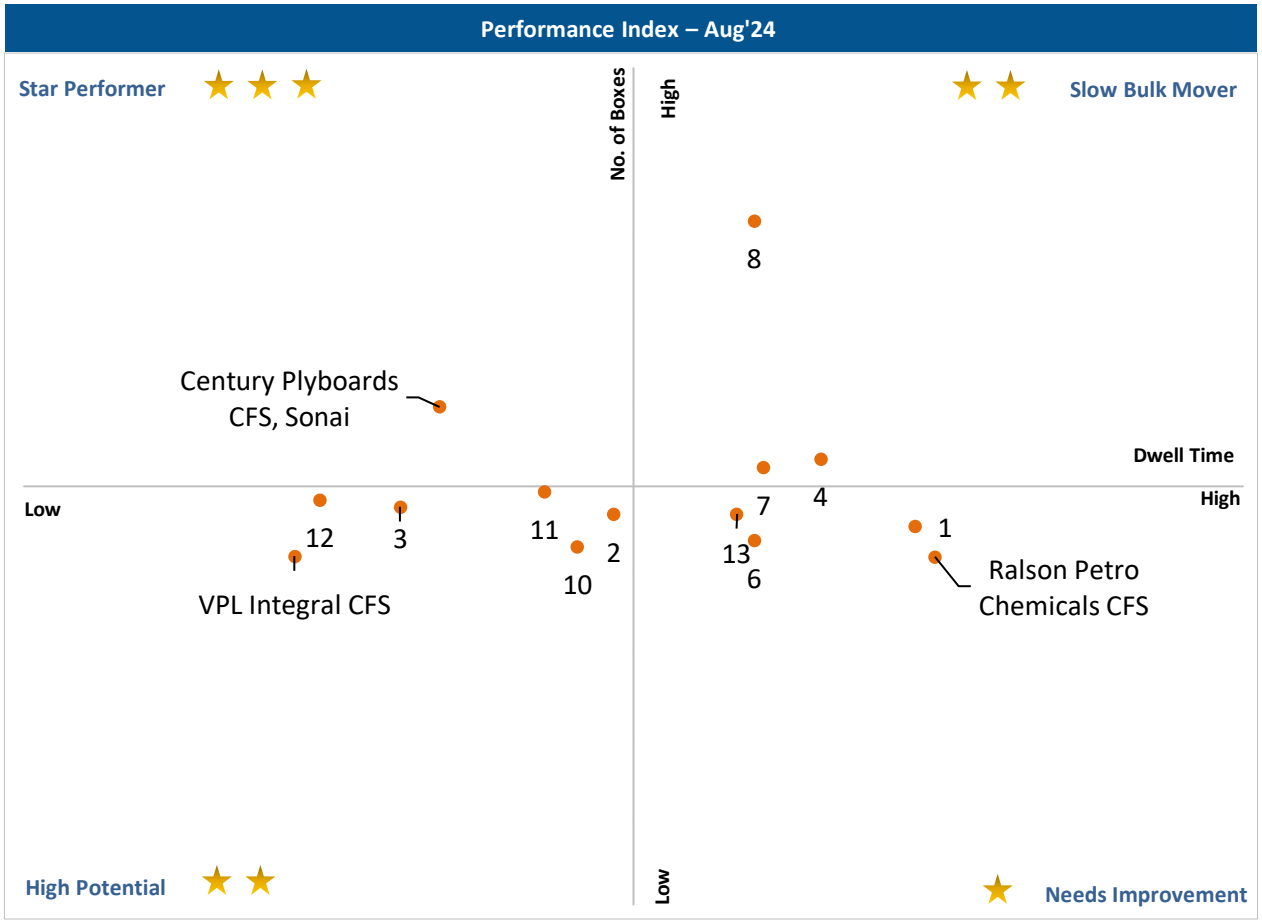
Performance benchmarking of CFSs based on dwell time vis-a-vis container count (no. of boxes) handled:

Top Performing CFS

Century Plyboards CFS, Sonai

High Potential CFS

VPL Integral CFS



Low Performing CFS

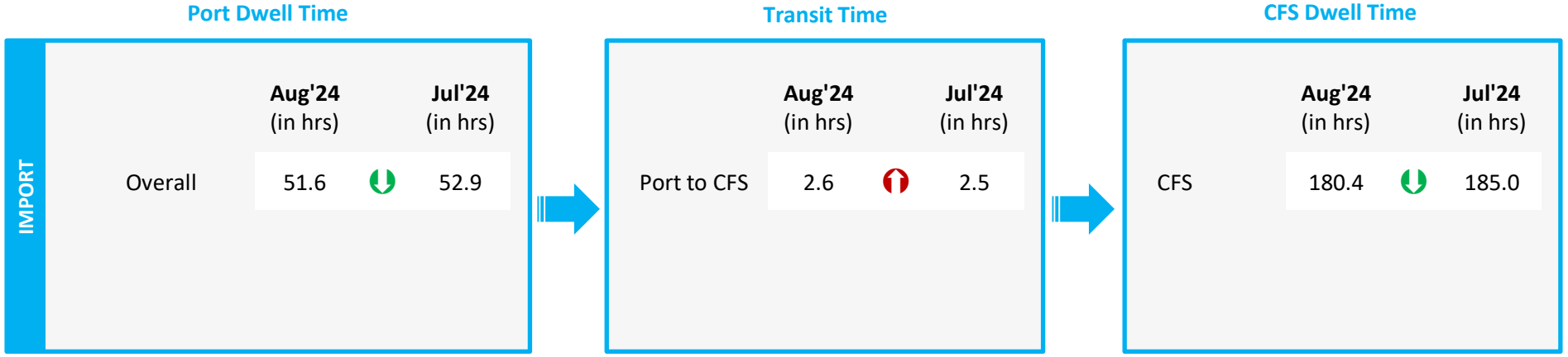
Ralson Petro Chemicals CFS

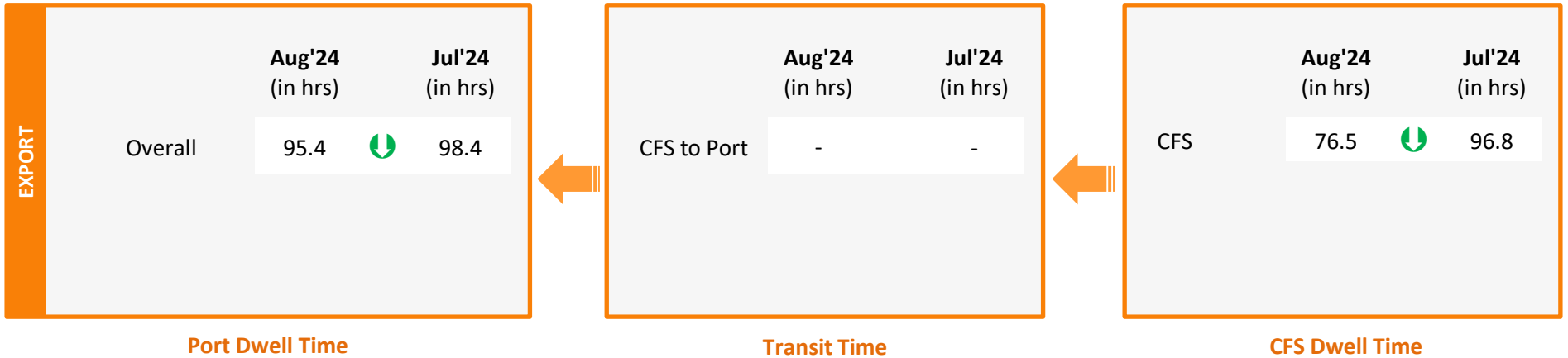
Note:
Please refer annexure for CFS names

© NICDC Logistics Data Services Limited

Visakhapatnam Port Performance

Container Lifecycle (Import Cycle)





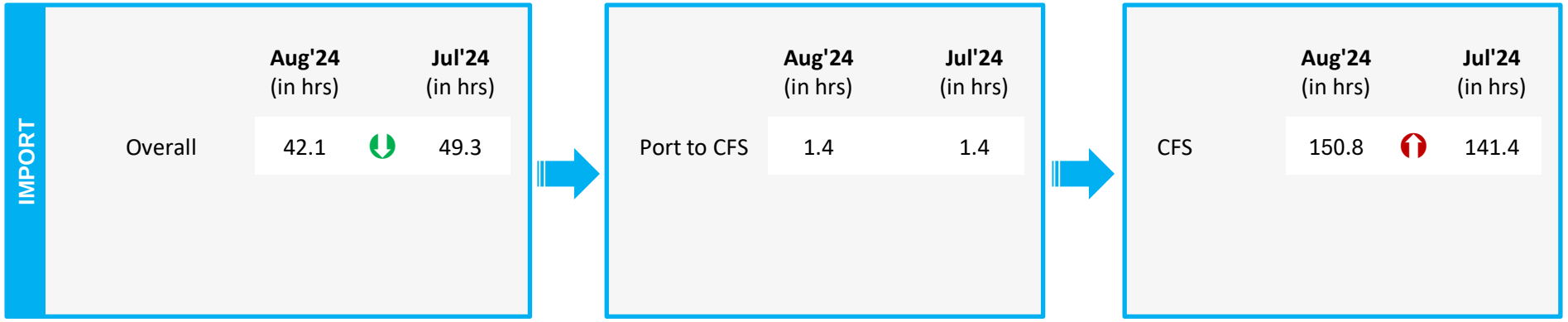
Container Lifecycle (Export Cycle)

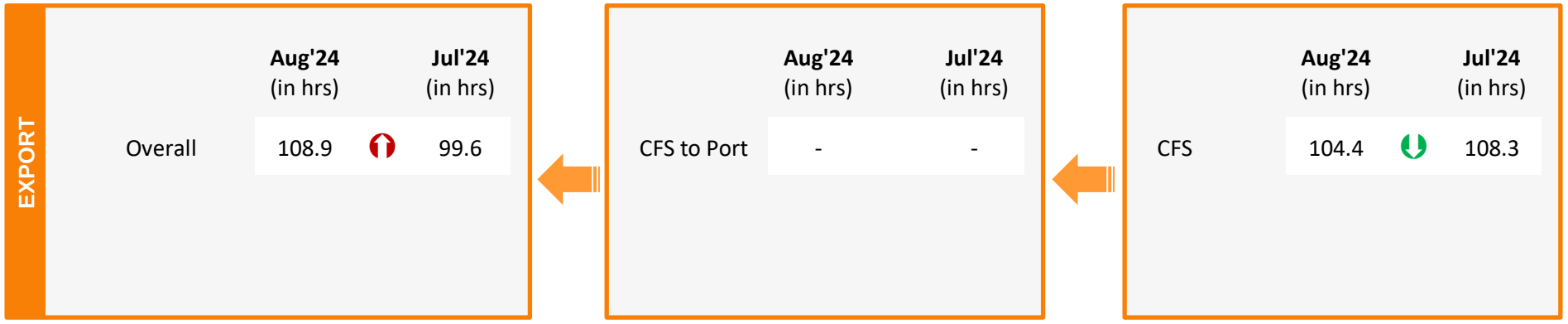
Indicates decrease/ increase in time from last month

© NICDC Logistics Data Services Limited

Kolkata Port Performance

Container Lifecycle (Import Cycle)





Container Lifecycle (Export Cycle)

Indicates decrease/ increase in time from last month

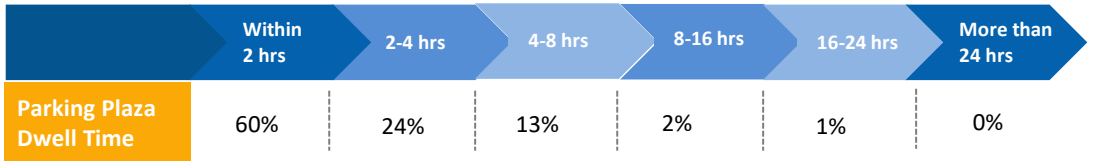
© NICDC Logistics Data Services Limited

Parking Plaza Analysis: Kolkata Port

The analysis showcases waiting time of containers at parking plaza and transit time between parking plaza exit and port entry:

Parking Plaza Dwell Time (Gate In – Gate Out)	Aug'24 (in hrs)	Jul'24 (in hrs)
Phonex M, Q Parking Yard Kolkata	1.6	1.5

Container Count Percentage: Hour-wise (Aug'24)



Haldia Port Performance

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	68.3	↓	88.7

Transit Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
Port to CFS	10.1	↓	10.5

CFS Dwell Time

	Aug'24 (in hrs)		Jul'24 (in hrs)
CFS	186.8	↑	145.0

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Aug'24 (in hrs)		Jul'24 (in hrs)
Overall	168.0	↑	152.9

Transit Time

	Aug'24 (in hrs)	Jul'24 (in hrs)
CFS to Port	-	-

CFS Dwell Time

	Aug'24 (in hrs)	Jul'24 (in hrs)
CFS	-	-

↓ ↑ Indicates decrease/ increase in time from last month

Port to Toll Plaza Analysis: Eastern Region

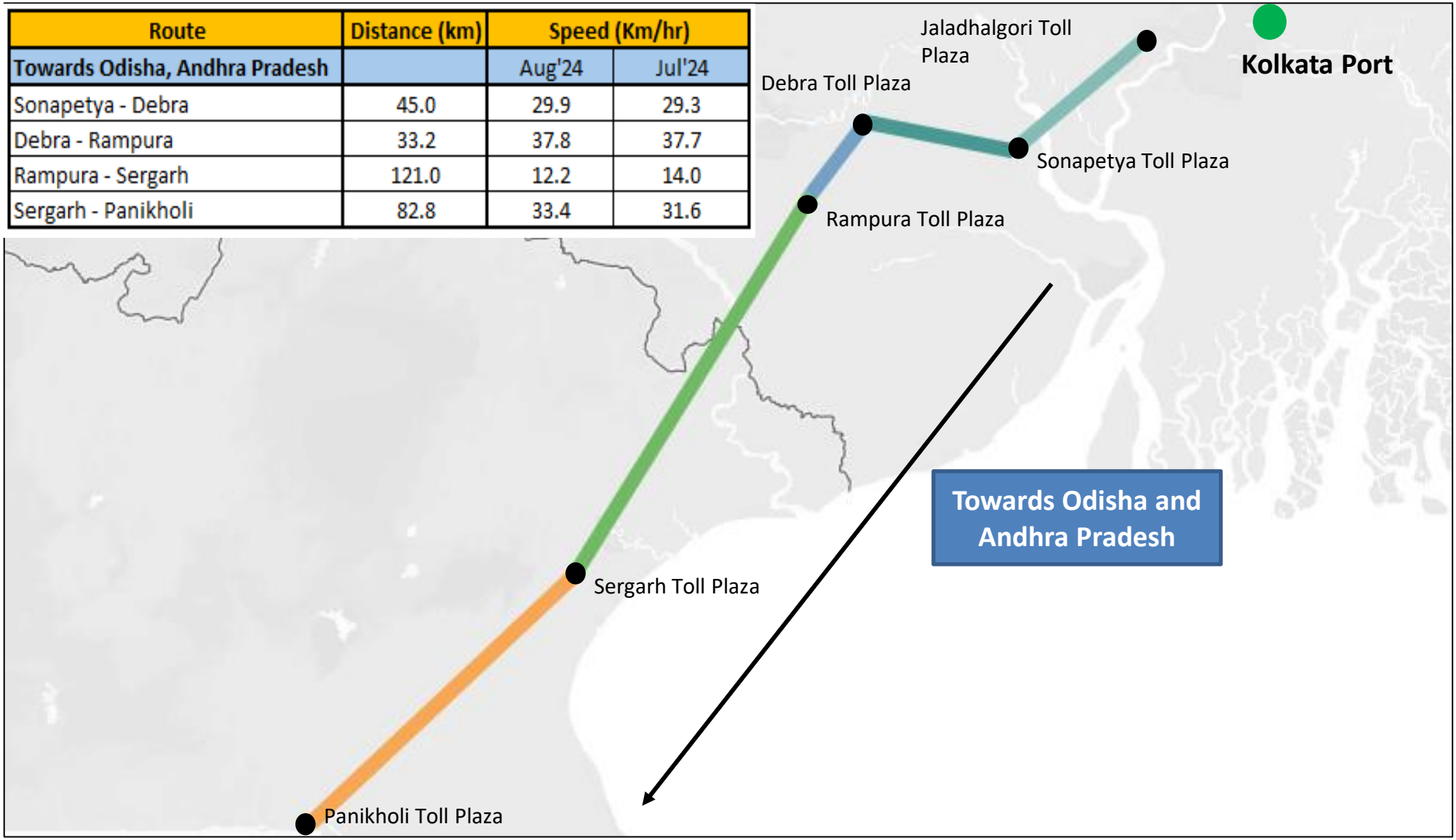
Below table depicts the average speed of a truck to cover the distance between the port and nearest toll plaza:

Region	Port	Adjacent Toll plaza	Distance (in KM)	Average Speed (in Km/hr)	
				Aug'24	Jul'24
Eastern	Kolkata	Rampura	134	14.1	14.8
		Dankuni	28	7.6	7.5
	Haldia	Sonapetya	44	9.4	8.7
	Visakhapatnam	Nathavalasa	59	8.6	11.7
		Sheelanagar	23	20.1	20.8

Toll Plaza Analysis: Kolkata Port

The average speed of trucks to cover the distance between adjacent toll plazas for Aug'24:

Route	Distance (km)	Speed (Km/hr)	
Towards Odisha, Andhra Pradesh		Aug'24	Jul'24
Sonapetya - Debra	45.0	29.9	29.3
Debra - Rampura	33.2	37.8	37.7
Rampura - Sergarh	121.0	12.2	14.0
Sergarh - Panikholi	82.8	33.4	31.6



© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

05
CONGESTION & TRANSIT ANALYSIS

Congestion Analysis & Methodology

The analysis aims to understand the level of traffic around ports and CFS region to measure the congestion level on the route:

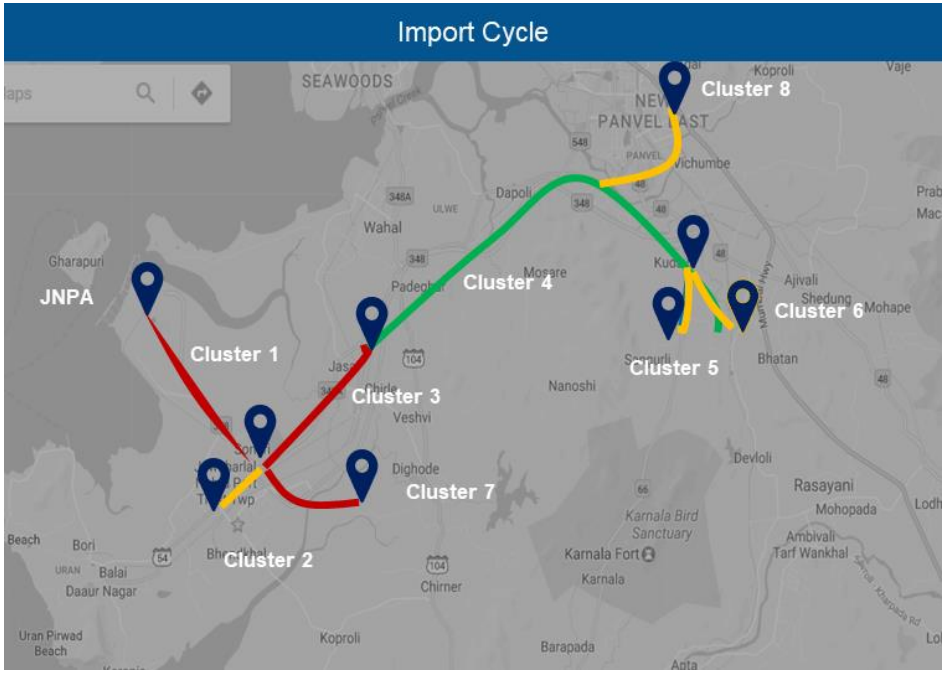
Methodology

Step 1 CFSs are divided into clusters based on their vicinity

Step 2 Cluster based transit time is calculated. The transit time is the travel time between CFS clusters and port or vice versa.

Step 3 Cluster based congestion level is calculated as per below steps:

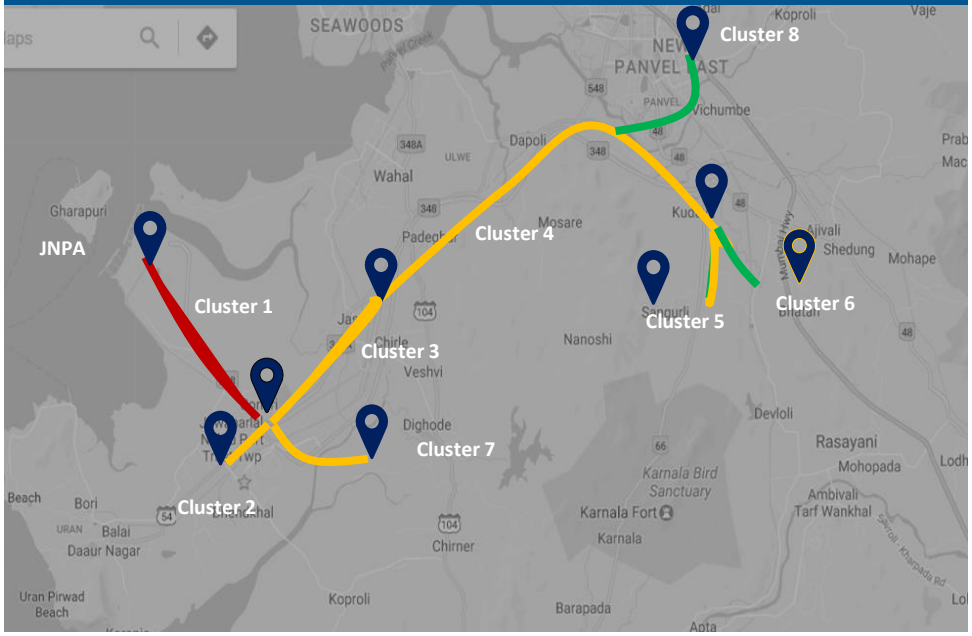
1. Cluster based transit time is compared with threshold
2. Threshold is 3X of time showcased on Google Maps between the Origin-Destination (OD) pair
3. Intensity of congestion is classified as below:
   - High congestion: >2 times the threshold
   - Medium congestion: >1.5 to <=2 times the threshold
   - Low congestion: >1 to <=1.5 times the threshold



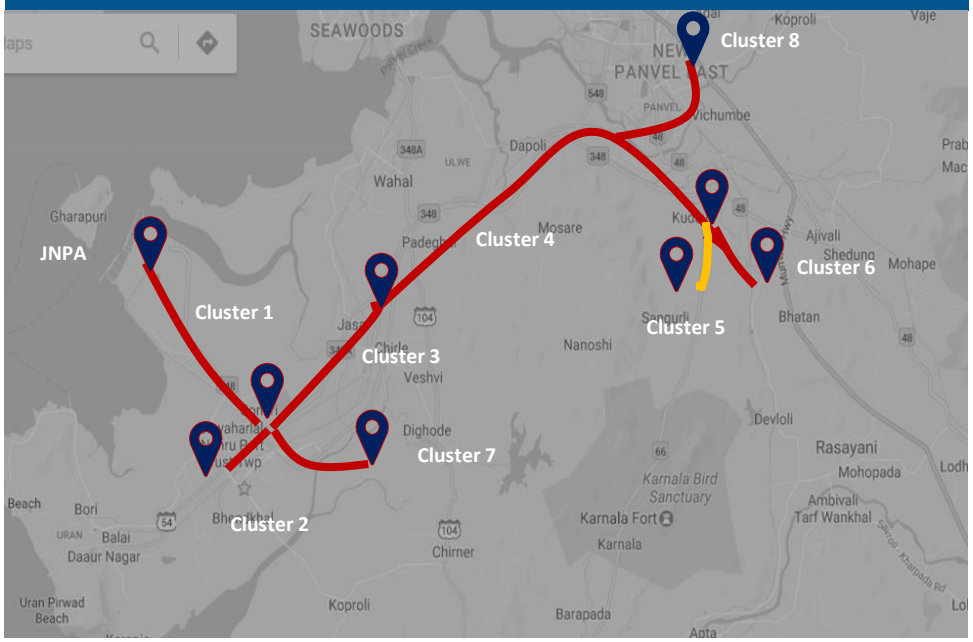
Congestion Level — High — Medium — Low

Congestion Analysis: JNPA Region

Import Cycle



Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	7.49%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	25.58%	Medium
Cluster 3	Sonari Area,JNPA Road	2	12.73%	Medium
Cluster 4	Chirle Area, JNPA Road	1	0.36%	Medium
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	12.97%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	23.68%	Low
Cluster 7	Patilpada Area, Khopate JNPA Road	3	16.77%	Medium
Cluster 8	Taloja, Navi Mumbai	1	0.42%	Low

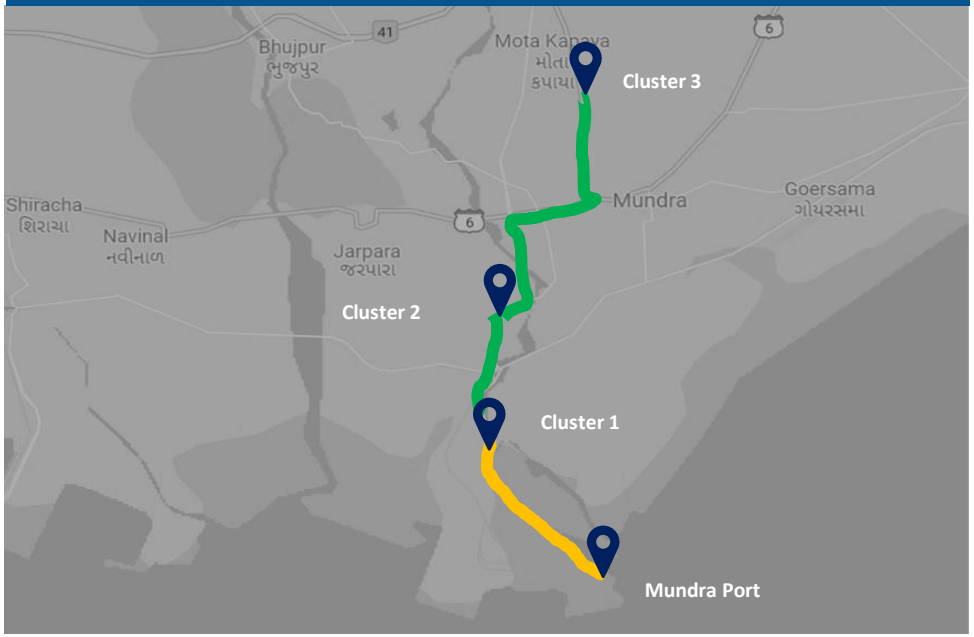
Congestion Level — High — Medium — Low

Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	11.17%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	19.21%	High
Cluster 3	Sonari Area,JNPA Road	2	15.15%	High
Cluster 4	Chirle Area, JNPA Road	1	4.14%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	12.35%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	22.76%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	14.59%	High
Cluster 8	Taloja, Navi Mumbai	1	0.63%	High

© NICDC Logistics Data Services Limited

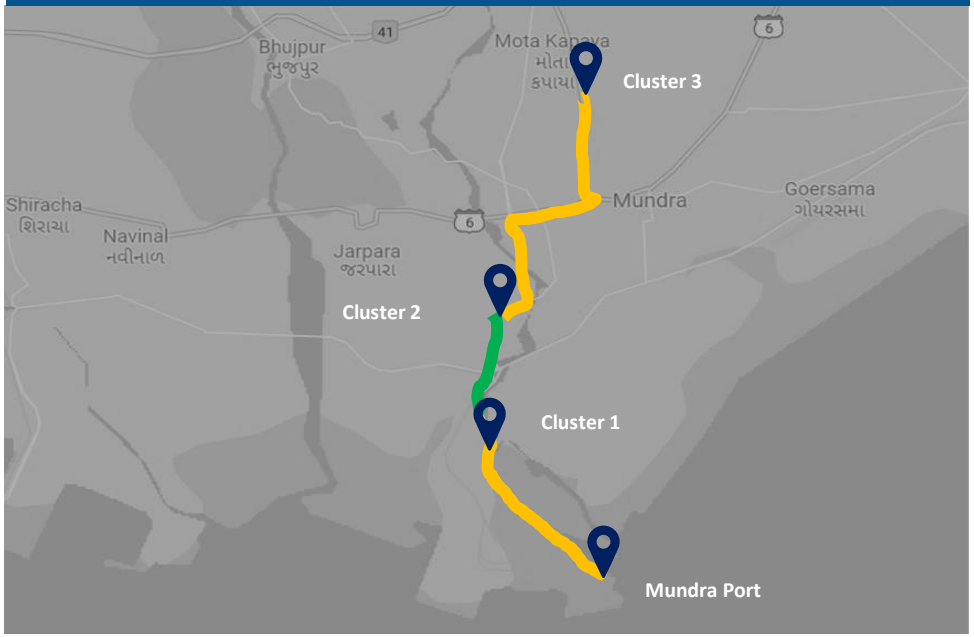
Congestion Analysis: Mundra Region

Import Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	APSEZ Area	12	83.38%	Medium
Cluster 2	Hind Circle	2	13.17%	Low
Cluster 3	Mota Kapaya	1	3.45%	Low

Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	APSEZ Area	12	98.65%	Medium
Cluster 2	Hind Circle	2	1.09%	Low
Cluster 3	Mota Kapaya	1	0.26%	Medium

Congestion Level — High — Medium — Low

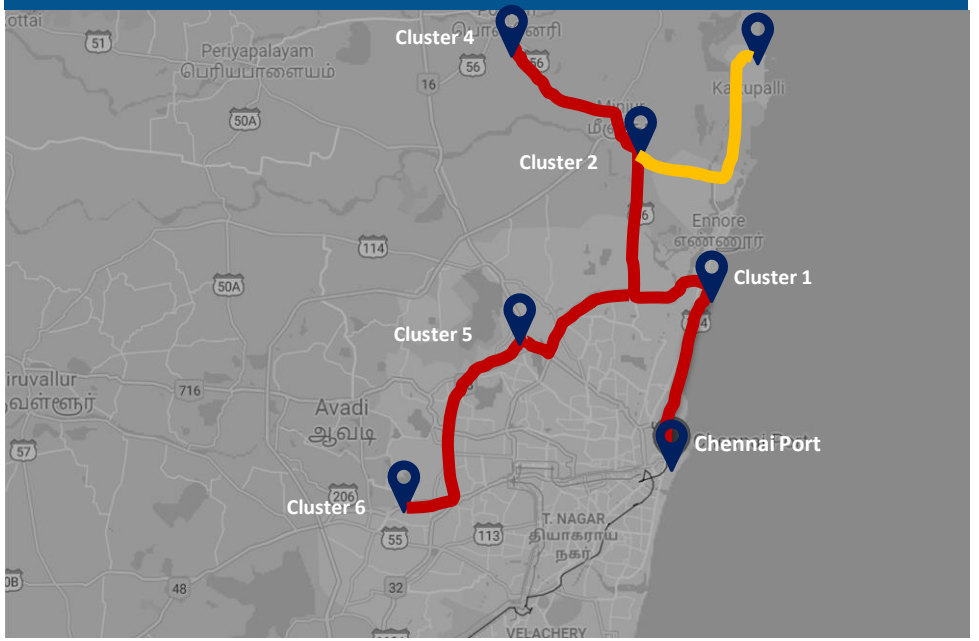
© NICDC Logistics Data Services Limited

Congestion Analysis: Chennai Region

Import Cycle

Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Thiruvottiyur High Road Augction	3	21.77%	High
Cluster 2	Aandarkuppam - Melur Augction	14	60.71%	Low
Cluster 3	Kattupalli Port bound Area	2	0.43%	High
Cluster 4	Minjur - Ponneri bound Area	3	3.68%	Low
Cluster 5	Madhavaram - Moolakadai Augction	3	8.52%	Medium
Cluster 6	Poonamallee - Sriperumbadur Augction	5	4.89%	High

Export Cycle



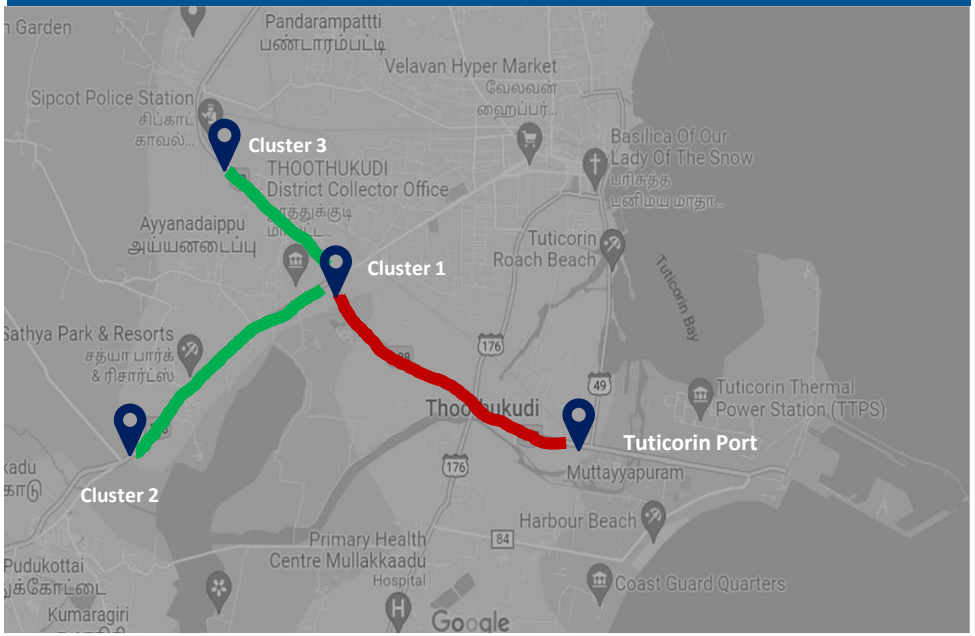
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Thiruvottiyur High Road Augction	3	19.22%	High
Cluster 2	Aandarkuppam - Melur Augction	14	55.47%	High
Cluster 3	Kattupalli Port bound Area	2	0.73%	Medium
Cluster 4	Minjur - Ponneri bound Area	3	7.68%	High
Cluster 5	Madhavaram - Moolakadai Augction	3	5.73%	High
Cluster 6	Poonamallee - Sriperumbadur Augction	5	11.17%	High

Congestion Level — High — Medium — Low

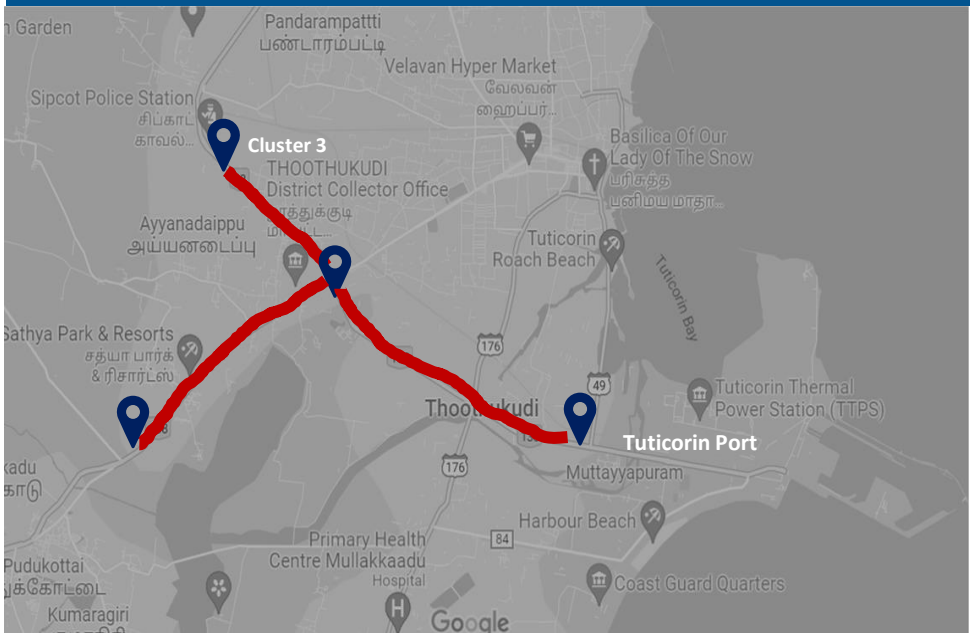
© NICDC Logistics Data Services Limited

Congestion Analysis: Tuticorin Region

Import Cycle



Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Periyanayagapuram, Thoothukudi, Madurai Road	4	25.90%	High
Cluster 2	Tirunelveli Road nearby Podukottai	2	17.44%	Low
Cluster 3	Sipcot Area nearby Madurai Road	8	56.66%	Low

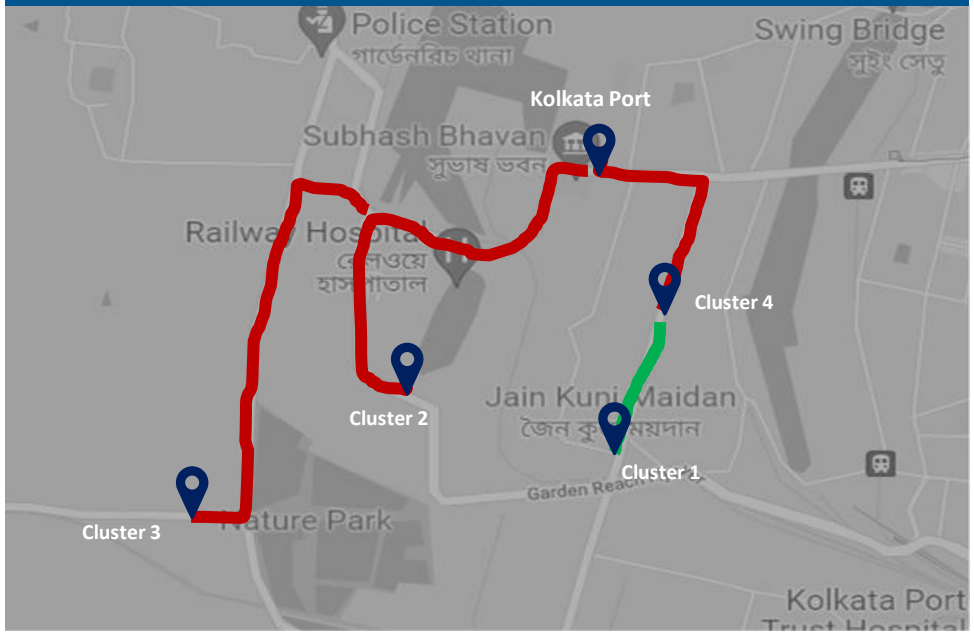
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Periyanayagapuram, Thoothukudi, Madurai Road	4	20.24%	High
Cluster 2	Tirunelveli Road nearby Podukottai	2	9.68%	High
Cluster 3	Sipcot Area nearby Madurai Road	8	70.08%	High

Congestion Level — High — Medium — Low

© NICDC Logistics Data Services Limited

Congestion Analysis: Kolkata Region

Import Cycle

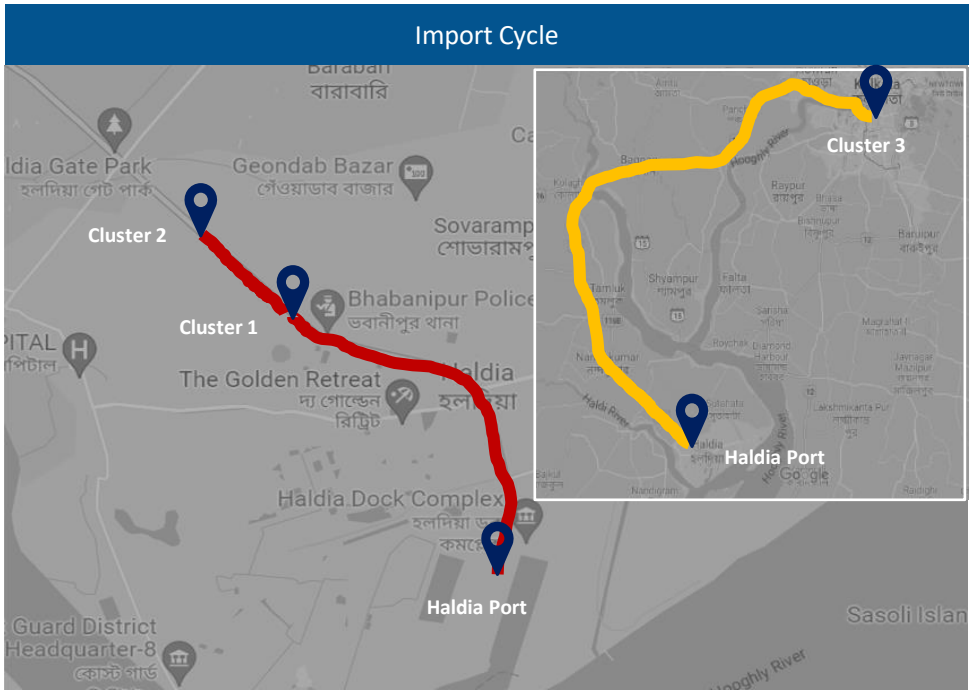


Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Base Bridge Area	3	47.21%	Low
Cluster 2	Sonapur Road Area	1	13.56%	High
Cluster 3	Nature Park Area	1	35.80%	High
Cluster 4	Babu Bazar Area	1	3.43%	High

Congestion Level — High — Medium — Low

© NICDC Logistics Data Services Limited

Congestion Analysis: Haldia Region



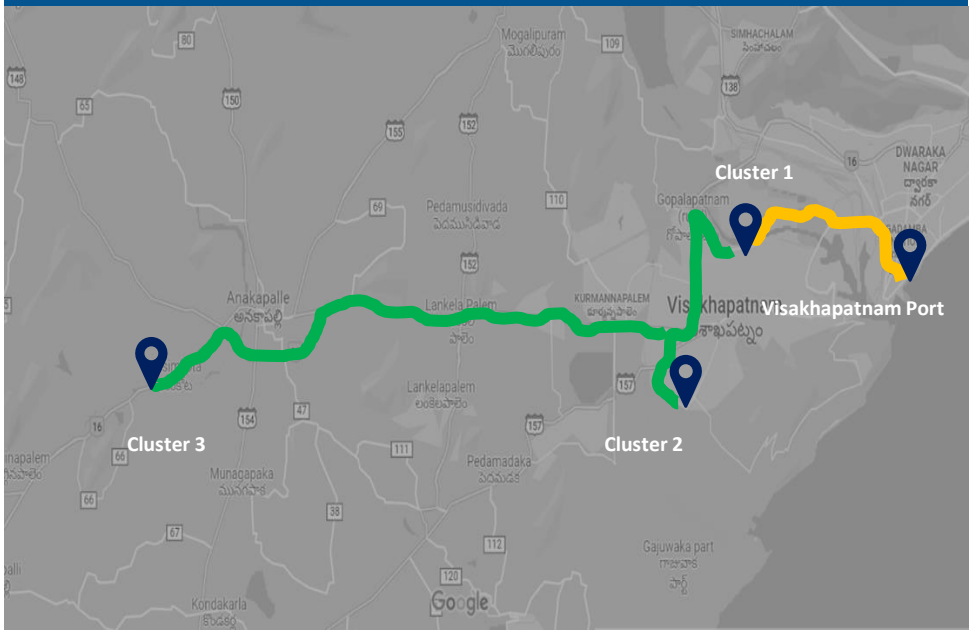
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Talpukur Area, Kolkata Highway	1	31.47%	High
Cluster 2	City Centre Area, Kolkata Highway	2	33.64%	High
Cluster 3	Silpodanga Area	1	34.89%	Medium

Congestion Level — High — Medium — Low

© NICDC Logistics Data Services Limited

Congestion Analysis: Visakhapatnam Region

Import Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	Port Road, Gopalapatnam Area	4	72.27%	Medium
Cluster 2	Autonagar, Gajuwaka Area	3	23.33%	Low
Cluster 3	Chennai – Kolkata Highway, Bayyavaram Area	1	4.40%	Low

Congestion Level — High — Medium — Low

© NICDC Logistics Data Services Limited

Transit Movement across ICPs

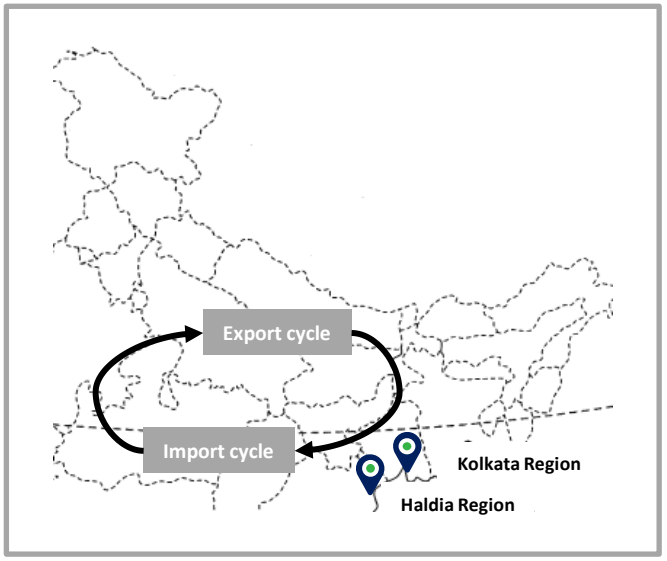
Transit movement across ICPs from Kolkata & Haldia Port Terminal for Aug'24:

Kolkata Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	111.7 hrs	105.7 hrs

Haldia Port Terminal

Import Cycle	Mode	ICP Raxaul	ICP Jogbani
	Overall	142.8 hrs	174.3 hrs



© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

06
ANNEXURE

Annexure – Terminal Names

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

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

© NICDC Logistics Data Services Limited

Annexure – ICD Names

List of ICD names used in the ICD Performance Index			
Ref. No.	**Name**	**Ref. No.**	**Name**
1	Dronagiri Rail Terminal CFS, Navi Mumbai	27	APM Terminals Inland Services ICD Bhamboli
2	CONCOR ICD, Dadri	28	Pegasus Inland Container Depot
3	ICD WHITEFIELD	29	Gateway Rail Freight ICD, Pyala
4	ICD KHODIYAR	30	MMLP TIHI
5	ICD SANATHNAGAR	31	CMA CGM Logistics Park, Dadri
6	Adani ICD, Tumb	32	MMLP MIHAN
7	Gateway Rail ICD, Sahnewal	33	MMLP VARNAMA
8	HTPL ICD Qilaraipur Ludhiana	34	Kribhco ICD, Meerut
9	Hind Terminals Logistics Park ICD, Palwal	35	ICD KANPUR
10	ICD DDL, LUDHIANA	36	APM Terminals ICD, Dadri
11	CONCOR Kanakpura ICD, Jaipur	37	ICD Jajpur (Jindal Stainless Ltd.)
12	Pristine ICD Chawapail , Ludhiana	38	ICD DAULATABAD
13	ICD BGKT, JODHPUR	39	ICD KIFTPL Kashipur
14	The Thar Dry Port ICD Ahmedabad	40	The Thar Dry Port Jodhpur
15	KLPL ICD, Kanpur	41	MMLP PANTHNAGAR (SIDCUL-CONCOR)
16	Vaishno Container Terminal-ICD Tarapur	42	MMLP BALLI
17	MMLP KHATUWAS	43	Adani Logistics Park ICD, Gurgaon
18	Continental Warehousing Corporation Nhava Sheva pvt.	44	ICD Pali (KIPL)
19	ICD ANKLESHWAR	45	Gateway Rail Freight Limited ICD
20	Allcargo Logistics Park ICD, Dadri	46	CONCOR ICD, Aurangabad
21	ICD MANDIDEEP	47	ICD Sachana (CWC)
22	MMLP VISHAKAPATNAM	48	PSCT HARBOUR OF MADRAS
23	MMLP BARHI	49	Apeejay Logistics Park ICD Jajpur
24	Albatross Inland Ports ICD, Dadri	50	MMLP NAYA RAIPUR
25	CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTVT-T)	51	ICD MALANPUR
26	CFS VALLARPADAM		

© NICDC Logistics Data Services Limited

Annexure – CFS Names - Western Region

List of CFS names used in the Western CFS Performance Index			
Ref. No.	**Name**	**Ref. No.**	**Name**
1	Adani CFS Eximyard, Mundra	24	Landmark CFS, Mundra
2	AllCargo CFS, Mundra	25	LCL Logistics CFS, Pipavav
3	AllCargo Logistics	26	Maharashtra State Corp CFS
4	Ameya Logistics CFS, Navi Mumbai	27	MICT CFS, Mundra
5	APM (Maersk India) CFS, Navi Mumbai	28	Mundhra CFS, Mundra
6	Apollo Logisolutions CFS, Panvel	29	Navkar Corporation Yard 1 CFS, Panvel
7	Ashte Logistics CFS, Panvel	30	Navkar Corporation Yard 2 CFS, Panvel
8	Ashutosh CFS, Mundra	31	Ocean Gate CFS, Panvel
9	Balmer & Lawrie CFS, Navi Mumbai	32	Punjab Conware CFS, Navi Mumbai
10	CWC CFS, Mundra	33	Rishi CFS, Mundra
11	CWC Conex Terminal CFS	34	Sarveshwar CFS
12	CWC Impex Park CFS, Navi Mumbai	35	Saurashtra CFS, Mundra
13	CWC Polaris logistics park	36	Seabird CFS, Mundra
14	EFC Logistics India	37	Seabird CFS, Navi Mumbai
15	Gateway Distriparks CFS, Navi Mumbai	38	Speedy Multimode CFS, JNPT
16	HAZIRA CFS	39	TG Terminals CFS, Mundra
17	Hind Terminals Pvt. Ltd. CFS, Mundra	40	Transworld CFS, Mundra
18	Honey Comb CFS, Mundra	41	Vaishno Logistics CFS, Navi Mumbai
19	International Cargo Terminal CFS		
20	International Cargo Terminals (ULA) CFS, Navi Mumbai		
21	JWC Logistics Park CFS		
22	JWR CFS		
23	Kerry Indev Logistics Pvt Ltd CFS		

© NICDC Logistics Data Services Limited

Annexure – CFS Names - Southern & Eastern Region

List of CFS names used in Southern CFS Performance Index

Ref. No.	Name	Ref. No.	Name
1	A S Shipping Agencies CFS, Tiruvallur	23	Kences CFS Chennai
2	A.S.Shipping Agencies Pvt Ltd	24	Kerry Indev Logistics ICD, Kanchipuram
3	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	25	Kerry Indev Logistics Private Limited / Continental Container Freight Station
4	Allcargo Global Logistics CFS, Chennai	26	MIV CFS
5	ALS Tuticorin Terminal Private Limited	27	O Yard CFS Chennai
6	Apm Terminals India CFS, Tiruvallur	28	Prompt Terminals (P) Ltd
7	Balmer Lawrie CFS, Chennai	29	Raja Agencies CFS
8	Calyx Container Terminal CFS, Chennai	30	Sanco Trans CFS, Chennai
9	Chandra CFS, Tiruvallur	31	Sattva Cfs And Logistics CFS, Chennai
10	Chola Logistics Pvt Ltd	32	Sattva Hi-Tech And Conware CFS, Chennai
11	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	33	Sical CFS, Chennai Tiruvallur Tamil Nadu
12	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur	34	Sical Multimodal and Rail Transport Ltd. - CFS Division
13	Continental Warehousing Corporation Nhava Sheva Ltd.	35	St. John Freight Systems Ltd. - ICD Division
14	Diamond CFS Park	36	STP Services CFS, Chennai
15	Ennore Cargo Container Terminal CFS, Chennai	37	Sudharsan Logistics CFS, Chennai
16	Gateway Distriparks CFS, Chennai	38	Sun Global Logistics CFS, Kanchipuram
17	GDKL CFS	39	Supply Chain Logistics Pvt LTD CFS,Chennai
18	Glovis India CFS, Kanchipuram	40	Thiru Rani Logistics CFS, Tiruvallur
19	Hari CFS	41	Triway CFS, Chennai
20	Hind Terminals CFS, Chennai	42	Viking Warehousing CFS, Chennai
21	ICBC CFS Chennai	43	Vilsons CFS
22	Kailash Shipping Services CFS, Chennai		

List of CFS names used in Eastern CFS Performance Index

Ref. No.	Name
1	A L Logistics CFS
2	Allcargo Logistics CFS
3	Balmer Lawrie CFS
4	Century Plyboards CFS, JJP
5	Century Plyboards CFS, Sonai
6	CWC CFS, Kolkata
7	Gateway East India CFS
8	Phonex CFS
9	Ralson Petro Chemicals CFS
10	Sattava Vishaka CFS
11	Sravan CFS-1
12	Transworld Terminals Pvt. Ltd.
13	VCT CFS
14	VPL Integral CFS

© NICDC Logistics Data Services Limited

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

NICDC LOGISTICS DATA SERVICES LIMITED

Registered Office: Flat No. 302 C, 03rd Floor, World Trade Centre,
Babar Road, New Delhi, Connaught Place, New Delhi - 110001, India

TOLLFREE : 1800 572 8314 | contactus@nldsl.in

Scan to know more

@nldsl