



# Logistics Databank Analytics Report - JNPA

August 2024









## Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	26.3	24.4
NSICT	40.2	35.4
GTI	33.6	27.9
NSIGT	39.6	33.5
BMCT	29.8	22.1

Export Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	78.6	92.6
NSICT	57.6	75.1
GTI	84.7	80.1
NSIGT	81.7	96.3
BMCT	79.0	75.8

## Critical Incident Summary Jawaharlal Nehru Port Authority

- Overall container handling performance (Port Dwell Time) has declined in import cycle and has improved in export cycle. CFS dwell Time performance in both import and export cycle has declined. . ICD dwell Time performance in both import and export cycle has declined.

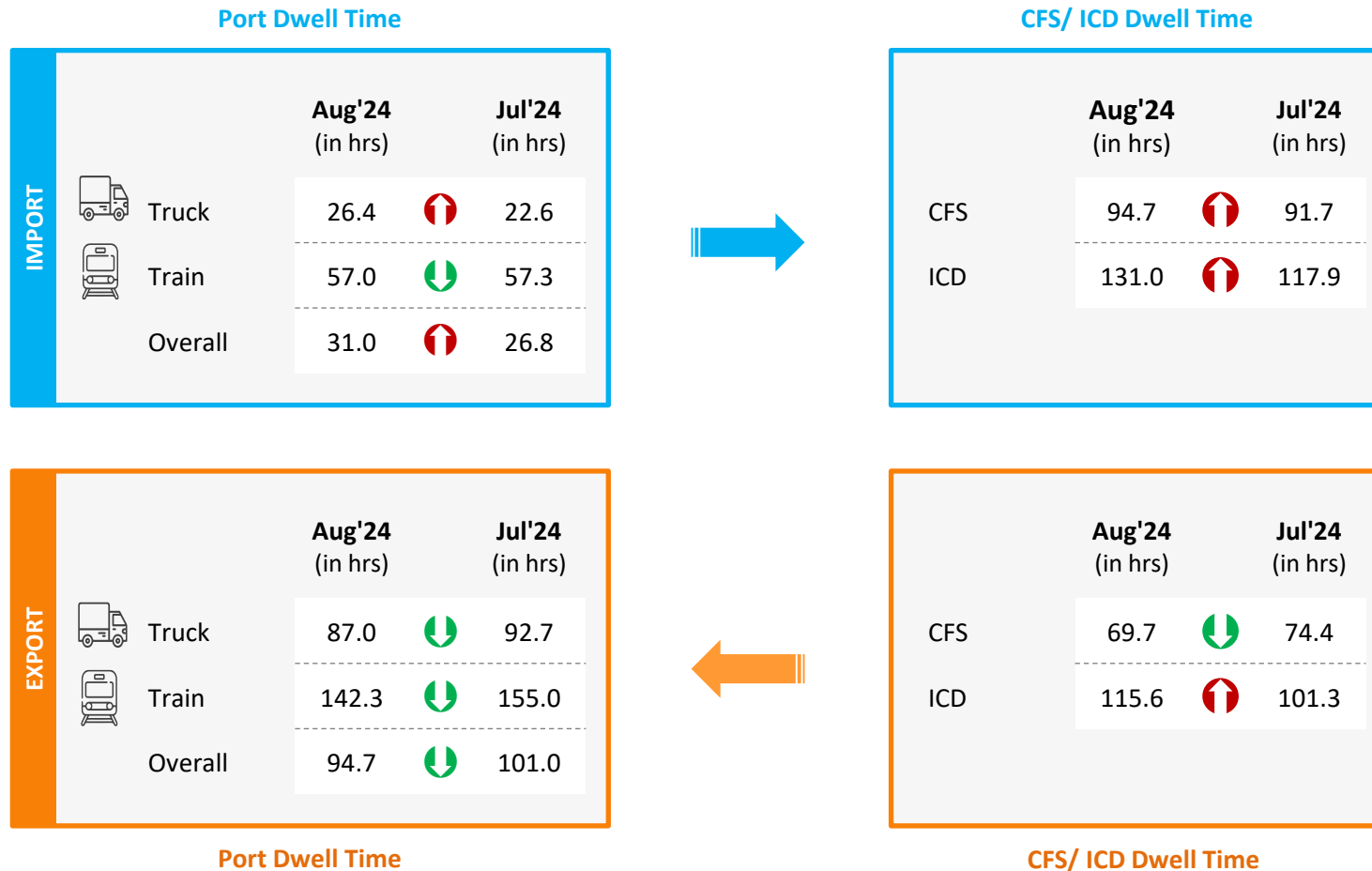
Month	Port Dwell Time Import	Port Dwell Time Export	CFS Dwell Time Import	CFS Dwell Time Export	ICD Dwell Time Import	ICD Dwell Time Export
Aug'24	33.5 hrs 	79.7 hrs 	87.3 hrs 	74.6 hrs 	131.0 hrs 	115.6 hrs 
Jul'24	26.7 hrs <sup>25.4%</sup>	79.9 hrs <sup>0.2%</sup>	84.0 hrs <sup>3.9%</sup>	72.9 hrs <sup>2.3%</sup>	117.9 hrs <sup>11.1%</sup>	101.3 hrs <sup>14.1%</sup>



Indicates decrease/ increase in dwell time from last month

# Container Transportation Performance: Western Corridor

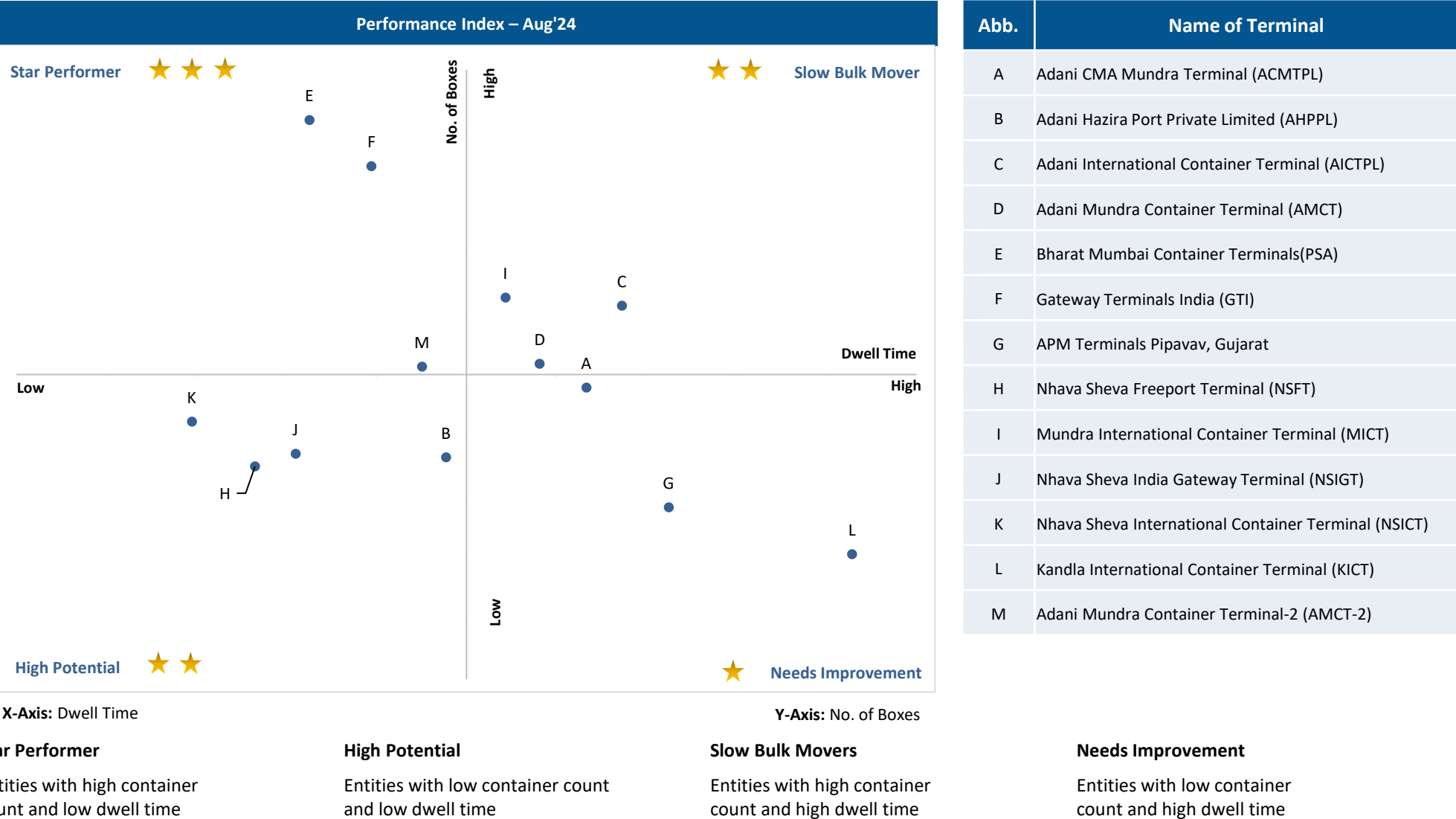
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

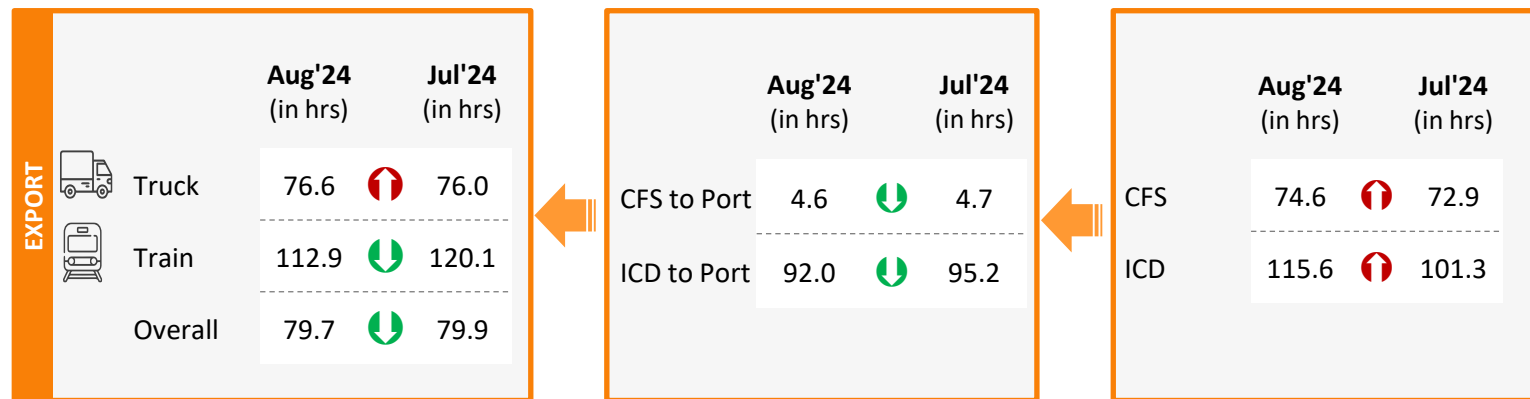
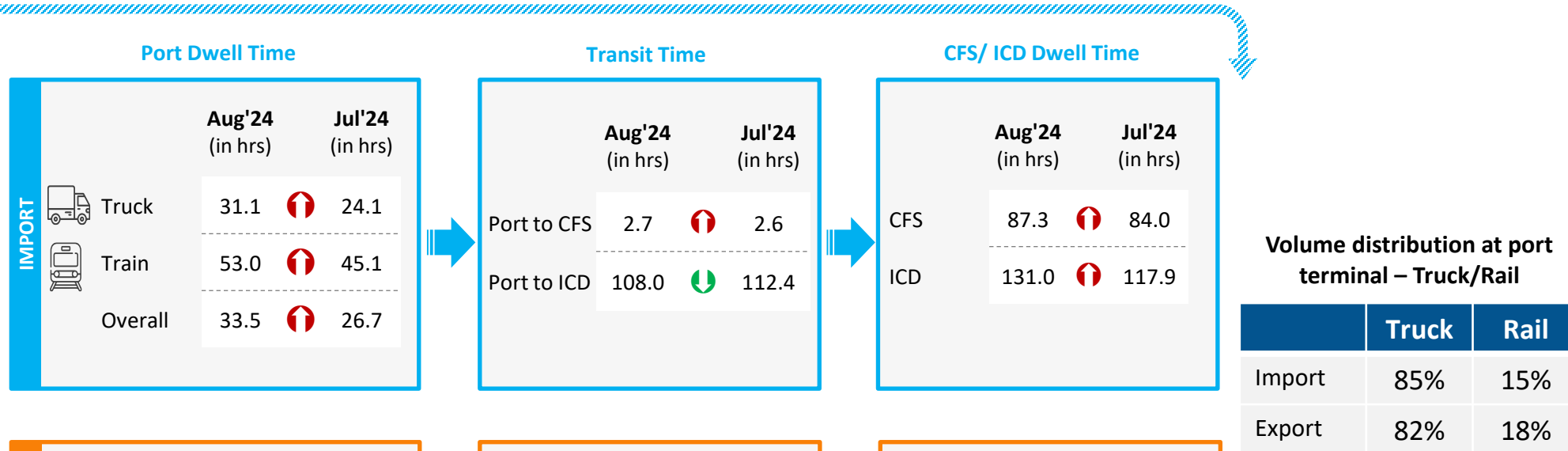
# Port Performance Benchmarking & Performance Index: Western Region

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



# Container Transportation: JNPA Port Terminals

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

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

# Container Transportation: JNPA Port Terminals

Import Cycle	Particulars		Aug'24 (in hrs)	Jul'24 (in hrs)
	Dwell Time	Overall Dwell Time	33.5	26.7
		Truck Bound Containers	31.1	24.1
		Train Bound Containers	53.0	45.1
		Direct Port Delivery (DPD) containers	32.5	28.2
		Containers bound for CFS	31.5	21.0
		Empty Containers	39.5	34.5
		Laden Containers	32.3	25.4
	Transit Time	Port to ICD	108.0	112.4
		Port to CFS	2.7	2.6
Export Cycle	Particulars		Aug'24 (in hrs)	Jul'24 (in hrs)
	Dwell Time	Overall Dwell Time	79.7	79.9
		Truck Bound Containers	76.6	76.0
		Train Bound Containers	112.9	120.1
		Direct Port Entry (DPE) containers	80.8	83.6
		Containers bound from CFS	75.0	77.6
		Empty Containers	72.0	68.2
		Laden Containers	85.0	87.7
	Transit Time	ICD to Port	92.0	95.2
		CFS to Port	4.6	4.7

# 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

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	-	-	-	-	-	-

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

# CFS/ICD Performance Benchmarking & Performance Index

## CFS: Western Corridor

## Performance Benchmarking

## ICD: PAN India

### Top Performing CFS

### Top Performing ICD

#### CWC Polaris Logistics park

#### Dronagiri Rail Terminal CFS, Navi Mumbai

#### High Potential CFS

#### Low Performing CFS

#### High Potential ICD

#### Low Performing ICD

#### JWR CFS

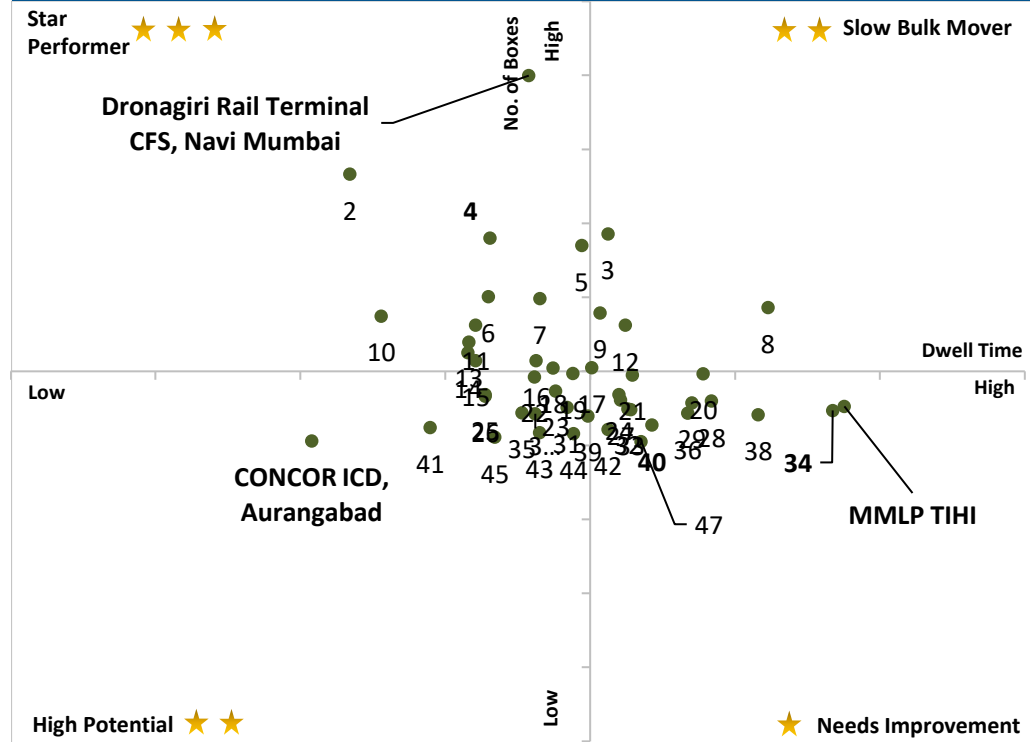
#### TG Terminals CFS, Mundra

#### CONCOR ICD, Aurangabad

#### MMLP TIHI

### Performance Index – Aug'24

### Performance Index – Aug'24



X-Axis: Dwell Time

Y-Axis: No. of Boxes

X-Axis: Dwell Time

Y-Axis: No. of Boxes



# Import Cycle Analysis

# JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in import cycle via Truck and Train.

## PORT IMPORT via TRAIN (15% of total import container volume)

The Port Dwell time data for train bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Import Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	48.1	42.7
NSICT	80.4	64.1
GTI	46.4	43.3
NSIGT	73.3	57.7
BMCT	41.9	40.3

### Container Handled: Day wise (Aug'24 )

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	23%	27%	17%	14%	9%	10%
NSICT	10%	16%	18%	14%	21%	21%
GTI	20%	31%	14%	9%	12%	14%
NSIGT	11%	20%	18%	13%	21%	17%
BMCT	30%	25%	15%	11%	10%	9%

## PORT IMPORT via TRUCK (85% of total import container volume)

The Port Dwell time data for Truck bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Import Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	23.6	20.8
NSICT	37.0	33.0
GTI	32.0	25.9
NSIGT	34.1	28.6
BMCT	28.2	20.1

### Container Handled: Day wise (Aug'24 )

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	51%	27%	10%	6%	4%	2%
NSICT	32%	30%	17%	9%	8%	4%
GTI	37%	32%	15%	7%	6%	3%
NSIGT	34%	33%	18%	8%	5%	2%
BMCT	44%	26%	14%	7%	6%	3%

# JNPA Port Terminal: Dwell Time Performance (Import Cycle)

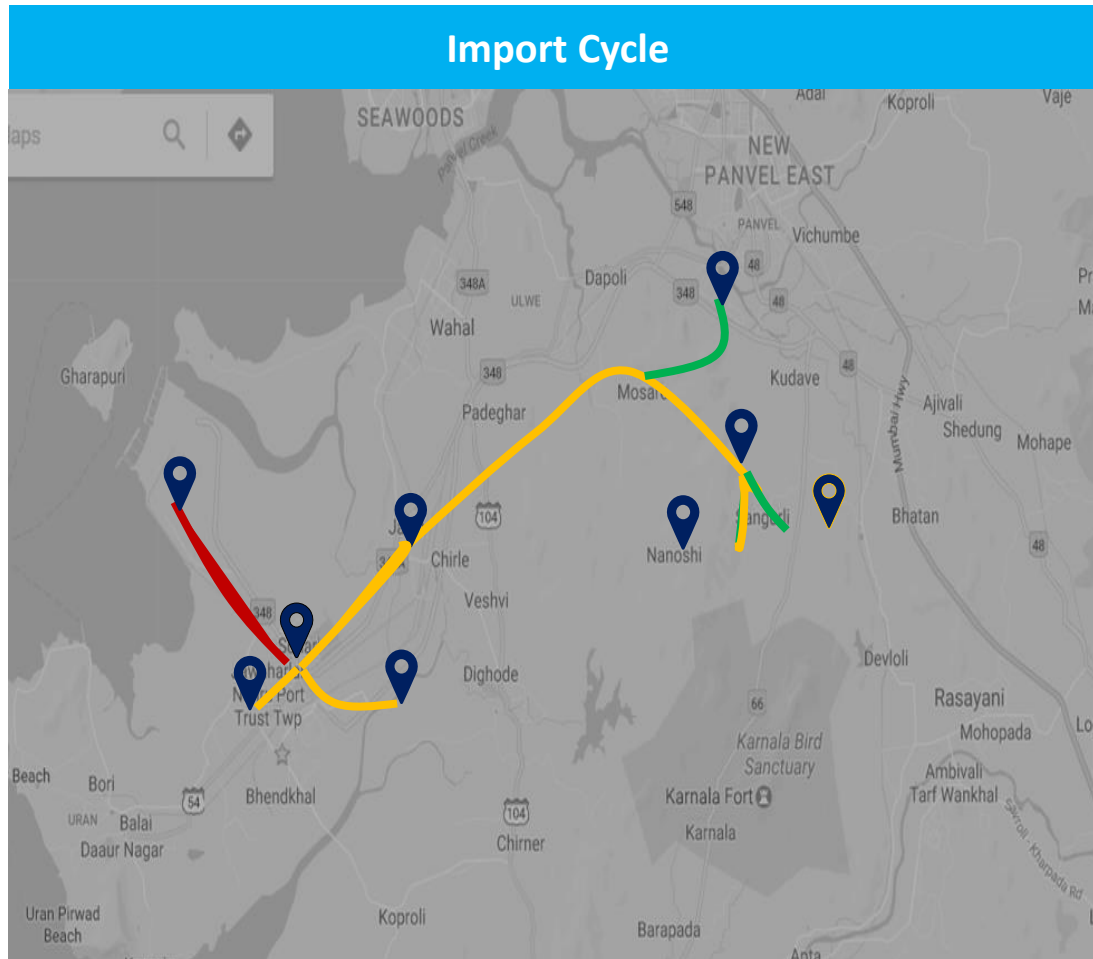
The below tables depict the detailed JNPA region port performance in the month of Aug'24

## Port Dwell Time (in Hours) - Based on Transit Type

Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	26.3	22.5	39.3	24.2
NSICT	60.2	43.8	38.8	40.8
GTI	48.6	32.0	46.8	32.5
NSIGT	65.8	39.4	33.7	41.6
BMCT	55.5	27.2	39.4	28.8

# JNPA Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPA region in Import Cycle in month of Aug'24



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

# JNPA Region Import Cycle: Container Movement

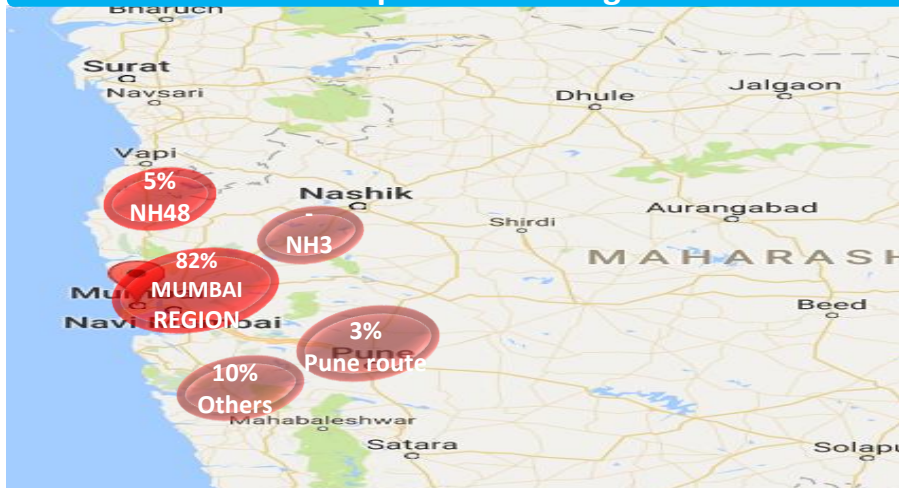
## Truck

### HEAT MAP : OVERALL MUMBAI REGION

Region	Aug'24
Mumbai region	82%
NH3	-
Pune	3%
NH48	5%
Others	10%

The figure depicts the movement of containers via truck in and around Mumbai region.

### Heat Map via Truck: Aug'24



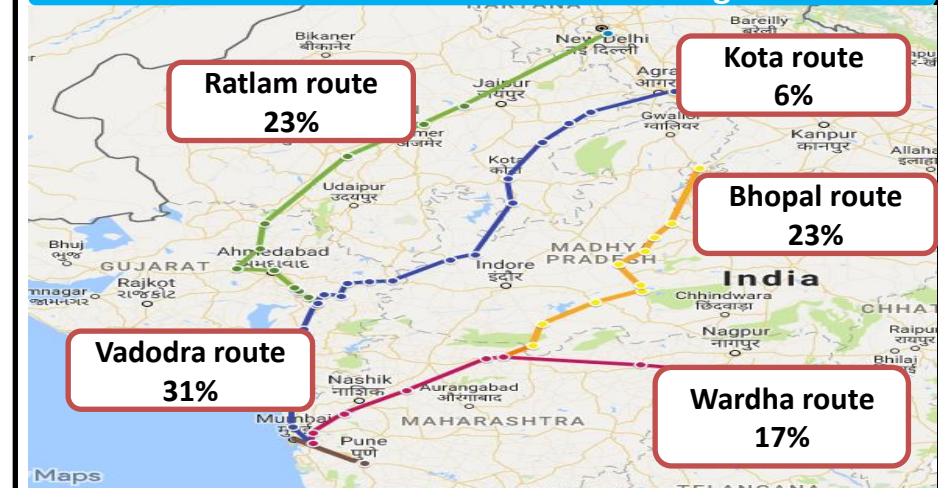
## Train

### VOLUME WISE CONTAINER MOVEMENT

Region	Aug'24
Vadodra Route	31%
Ratlam Route	23%
Wardha Route	17%
Kota Route	6%
Bhopal Route	23%

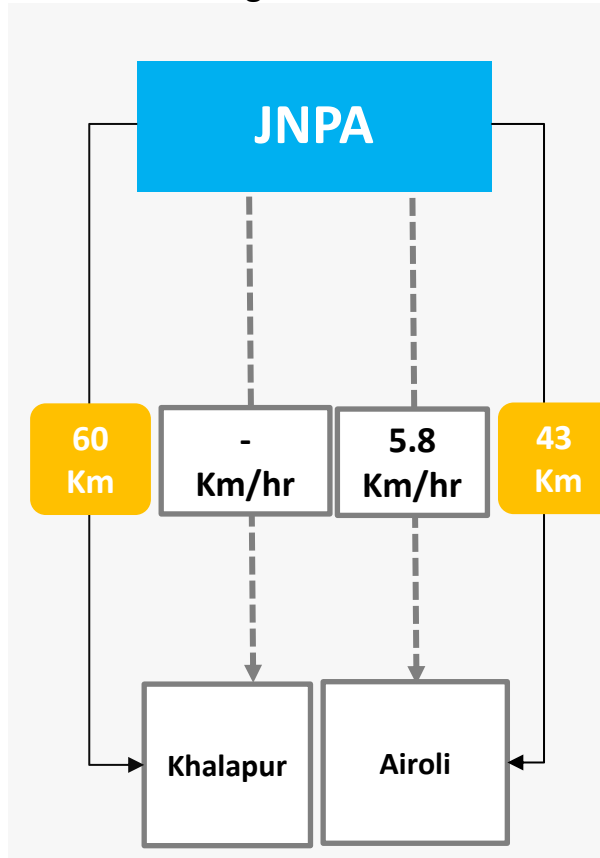
The map shows the volume wise container movement through different railway routes in import cycle

### Container movement via Rail – Aug'24



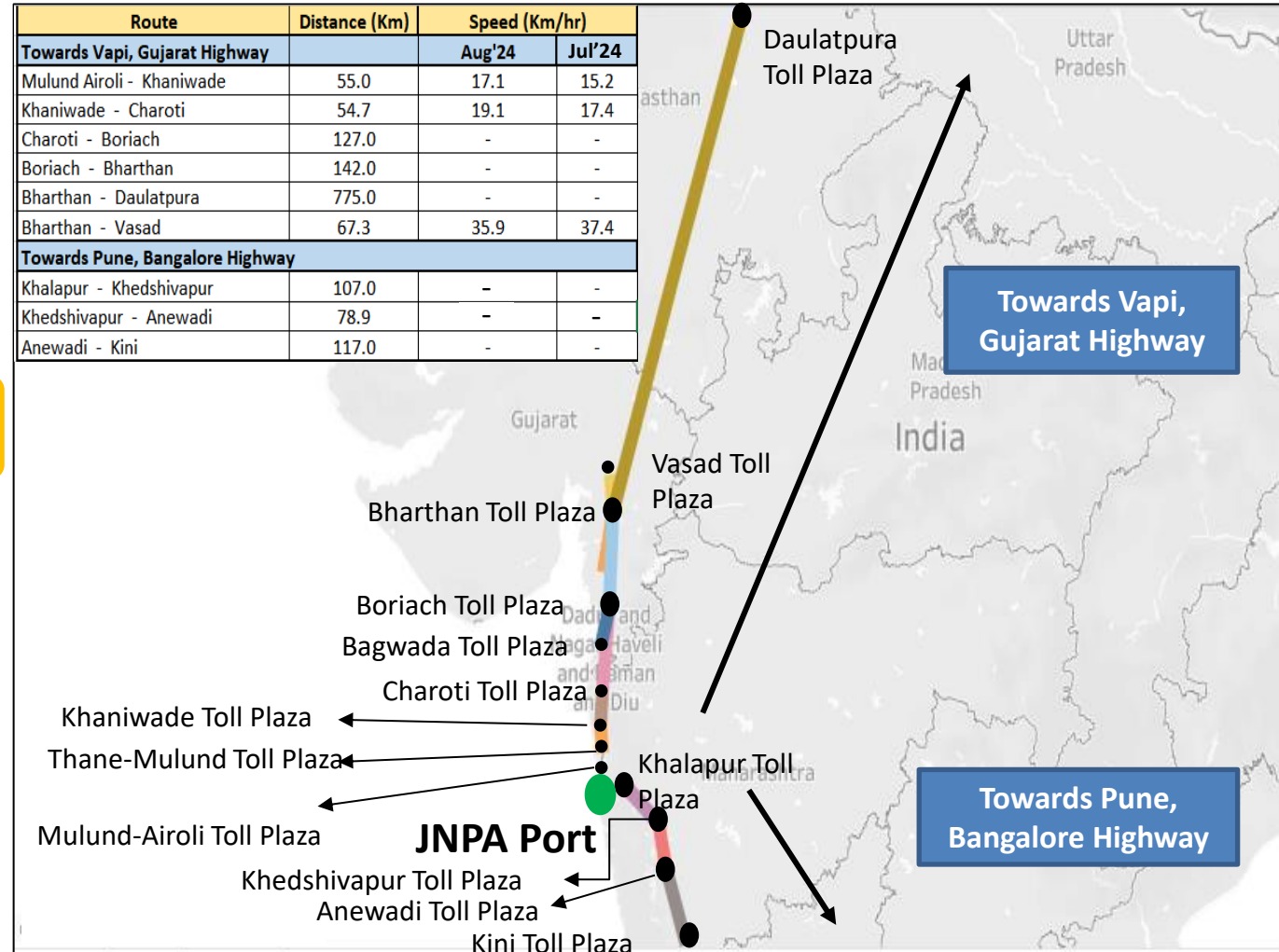
# Western Corridor Toll Plaza Analysis

Average speed of trucks to cover the distance between Port to the nearest Toll Plaza for Aug'24:



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	-	-



# Export Cycle Analysis

# JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below tables depict the detailed JNPA region port performance in the month of Aug'24

## Port Dwell Time (in Hours) - Based on Transit Type

Port Terminals	Direct Port Delivery (DPE) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	80.4	80.5	72.7	81.3
NSICT	72.2	64.0	59.0	57.3
GTI	82.6	76.5	78.2	88.0
NSIGT	82.2	73.1	78.7	82.6
BMCT	-	75.1	69.5	90.2



# JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in export cycle via Truck and Train.

## PORT EXPORT via TRAIN (18% of total export container volume)

The Port Dwell time data for train bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Export Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	89.6	124.2
NSICT	15.6	18.4
GTI	139.6	133.0
NSIGT	99.6	122.7
BMCT	125.1	123.5

### Container Handled: Day wise (Aug'24 )

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	19%	9%	13%	12%	20%	27%
NSICT	58%	11%	8%	4%	8%	11%
GTI	1%	5%	10%	11%	26%	47%
NSIGT	1%	10%	18%	18%	25%	28%
BMCT	2%	5%	13%	15%	24%	41%

## PORT EXPORT via TRUCK (82% of total export container volume)

The Port Dwell time data for Truck bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

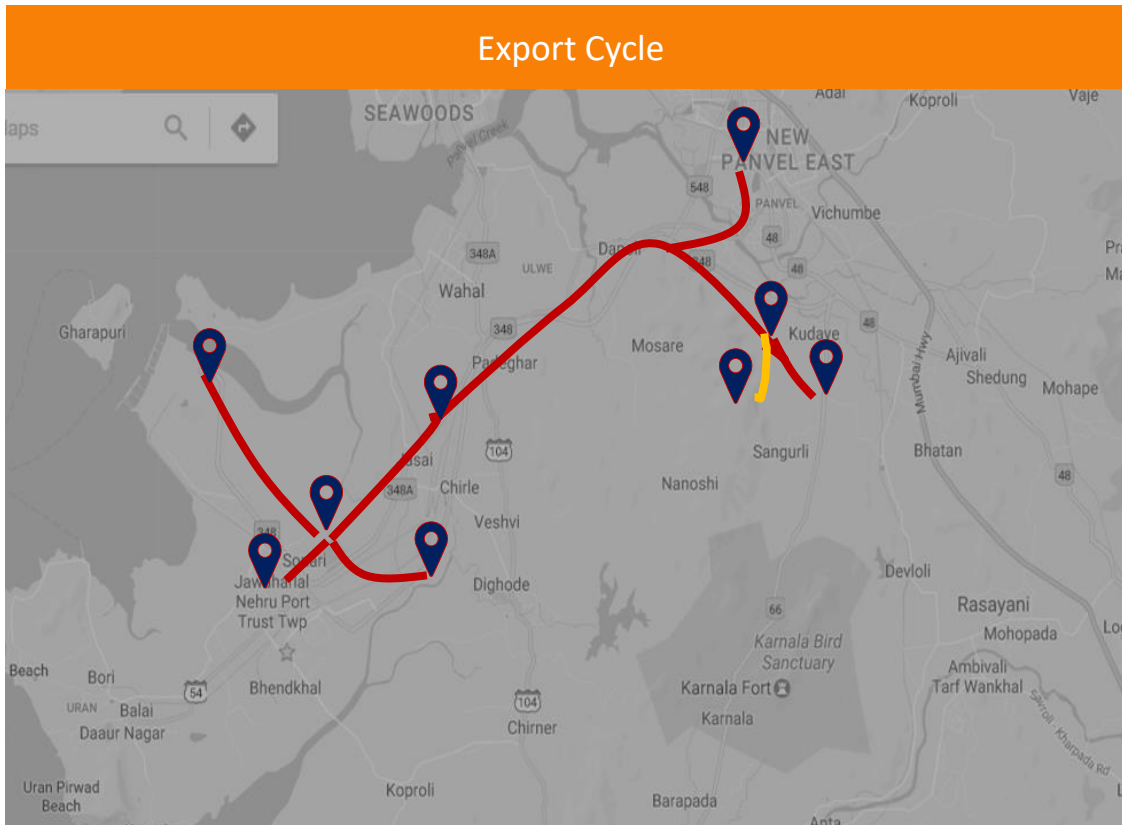
Export Cycle		
Port	Aug'24 (in hrs)	Jul'24 (in hrs)
NSFT	77.2	90.2
NSICT	67.9	85.6
GTI	78.5	74.8
NSIGT	79.5	89.6
BMCT	75.5	72.0

### Container Handled: Day wise (Aug'24 )

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	9%	13%	23%	21%	25%	9%
NSICT	6%	20%	28%	26%	16%	4%
GTI	2%	14%	26%	28%	27%	3%
NSIGT	6%	11%	23%	31%	21%	8%
BMCT	3%	16%	27%	26%	25%	3%

# JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Import Cycle in month of Aug'24



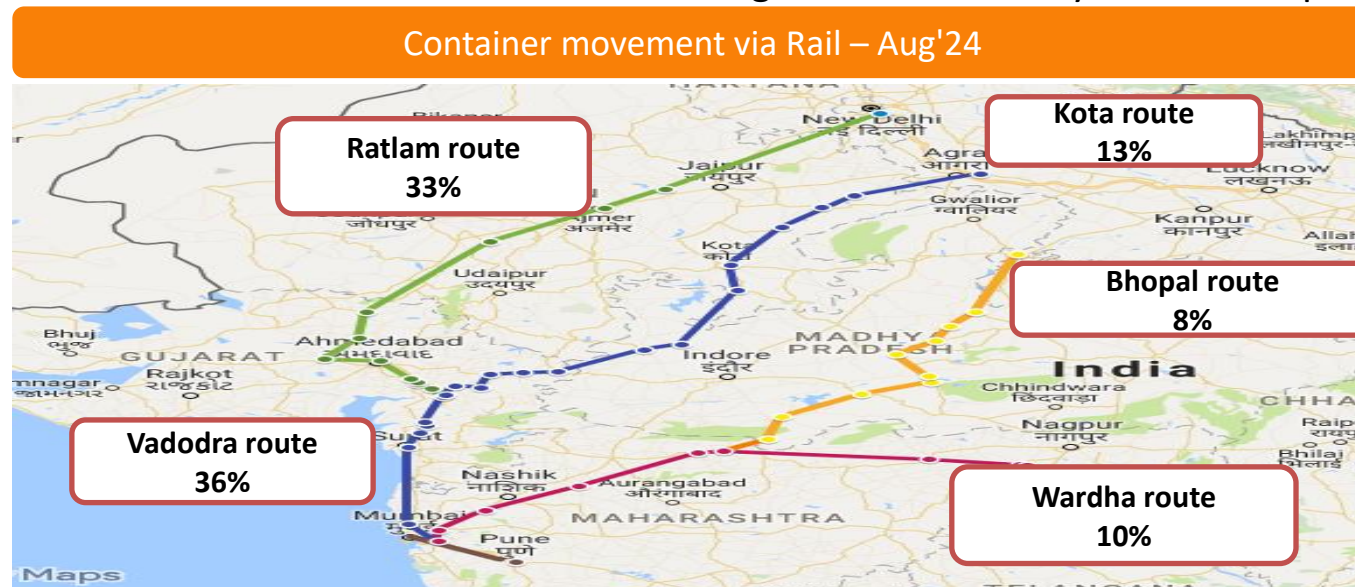
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	11.17%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	19.21%	High
Cluster 3	Sonari Area, JNPA Road	2	15.15%	High
Cluster 4	Chirle Area, JNPA Road	1	4.14%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	12.35%	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

Congestion Level    ■ High    ■ Medium    ■ Low

# JNPA Region: Container Movement via Train

JNPA Port	
Route	Percentage of Container Movement
Vadodra Route	36%
Ratlam Route	33%
Wardha Route	10%
Kota Route	13%
Bhopal Route	8%

The map shows the volume wise container movement through different railway routes in export cycle for Aug'24



# CFS and ICD Performance

## JNPA region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of Aug'24

CFS Dwell Time (in hrs.)					
CFS	Aug'24 (in hrs)	Jul'24 (in hrs)	CFS	Aug'24 (in hrs)	Jul'24 (in hrs)
AllCargo Logistics	87.5	83.5	JWC Logistics Park CFS	86.1	83.4
Ameya Logistics CFS, Navi Mumbai	85.5	80.7	JWR CFS	60.6	56.6
APM (Maersk India) CFS, Navi Mumbai	99.5	83.4	Kerry Indev Logistics Pvt Ltd CFS	79.6	80.3
Apollo Logisolutions CFS, Panvel	65.1	67.8	Maharashtra State Corp CFS	78.5	79.7
Ashte Logistics CFS, Panvel	83.9	74.6	Navkar Corporation Yard 2 CFS, Panvel	88.7	73.6
Balmer & Lawrie CFS, Navi Mumbai	83.4	93.6	Navkar Corporation Yard 3 CFS, Panvel	-	84.7
CWC Conex Terminal CFS	81.2	82.4	Ocean Gate CFS, Panvel	102.4	96.3
CWC Impex Park CFS, Navi Mumbai	80.4	84.8	Punjab Conware CFS, Navi Mumbai	96.6	89.2
CWC Polaris logistics park	48.9	56.1	Sarveshwar CFS	96	89.2
EFC Logistics India	77.9	81.3	Seabird CFS, Navi Mumbai	92	85.9
Gateway Distriparks CFS, Navi Mumbai	94.9	83.2	Speedy Multimode CFS, JNPT	94.2	89.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	87.5	92.8	Take Care Logistics CFS	-	118.1

# ICD Performance

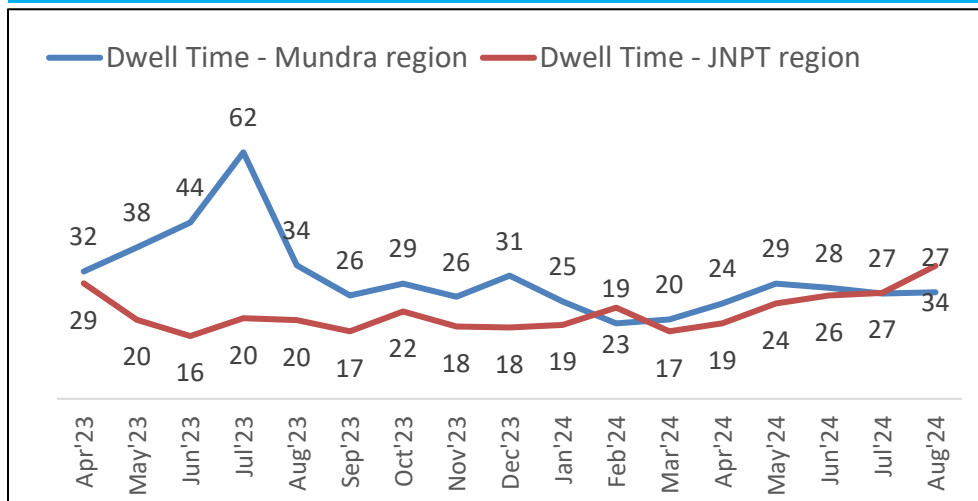
ICD	Aug'24 (in hrs)	Jul'24 (in hrs)
Adani ICD, Tumb	101.4	106.1
Adani Logistics Park ICD, Gurgaon	117.1	97.5
Allcargo Logistics Park ICD, Dadri	167.5	120.1
APM Terminals ICD, Dadri	162.7	108.4
CMA CGM Logistics Park, Dadri	125.6	130.2
Continental Warehousing Corporation Nhava Sheva pvt.	121.3	112.9
Gateway Rail Freight ICD, Pyala	164.0	149.8
Hind Terminals Logistics Park ICD, Palwal	135.8	133.3
ICD Jajpur (Jindal Stainless Ltd.)	115.8	137.9
ICD KIFTPL Kashipur	132.0	97.6
KLPL ICD, Kanpur	97.5	87.6
Pegasus Inland Container Depot	170.0	115.2
The Thar Dry Port ICD Ahmedabad	95.1	108.6
The Thar Dry Port Jodhpur	151.7	167.5
Vaishno Container Terminal-ICD Tarapur	116.1	118.9

# Trend Analysis

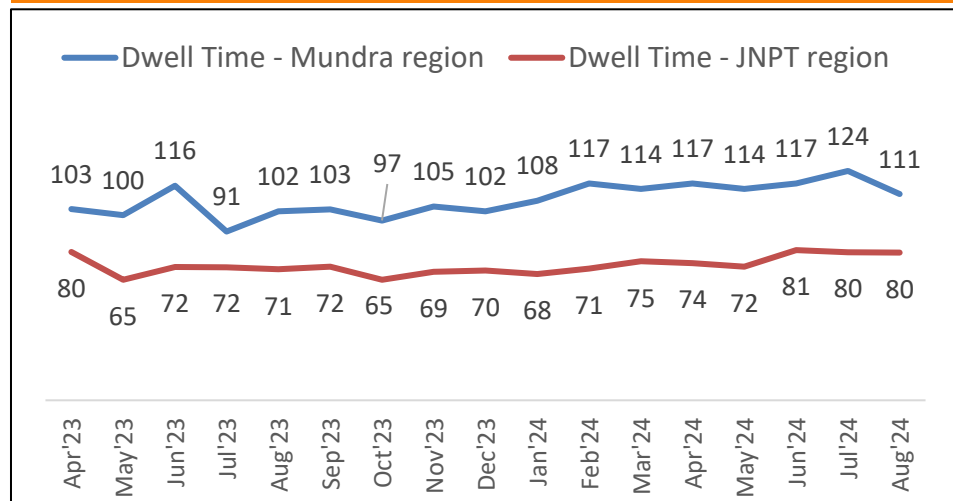
# Western Corridor Port: Yearly Analysis

Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Aug'24

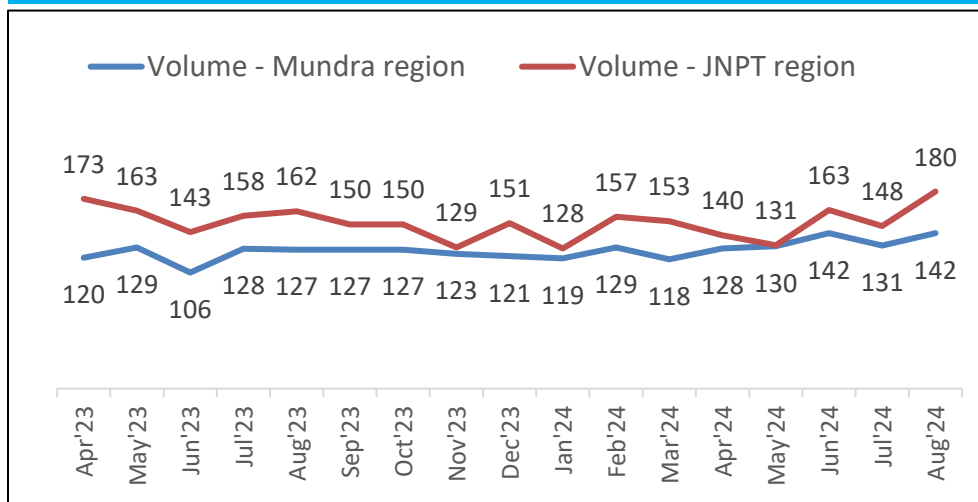
## Dwell Time – Mundra Region Vs JNPA Region



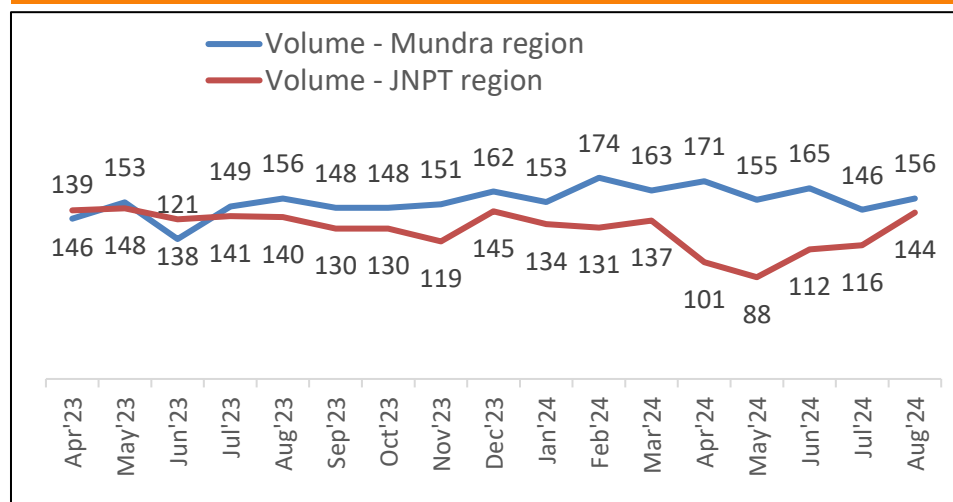
## Dwell Time – Mundra Region Vs JNPA Region



## Volume – Mundra Region Vs JNPA Region



## Volume – Mundra Region Vs JNPA Region

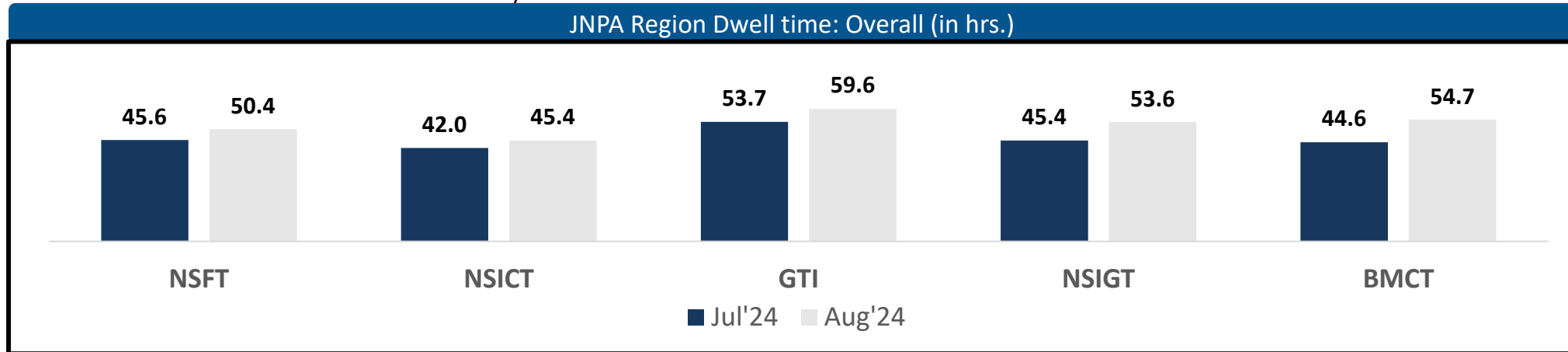




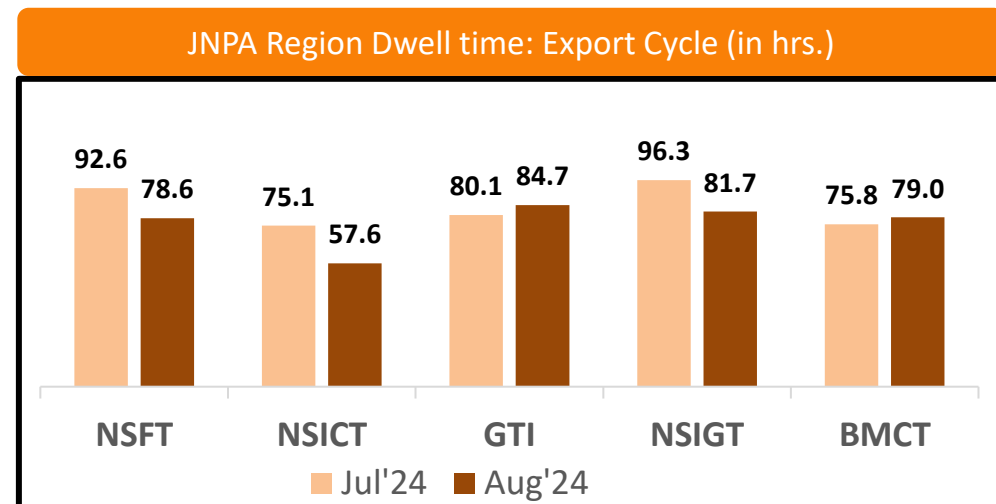
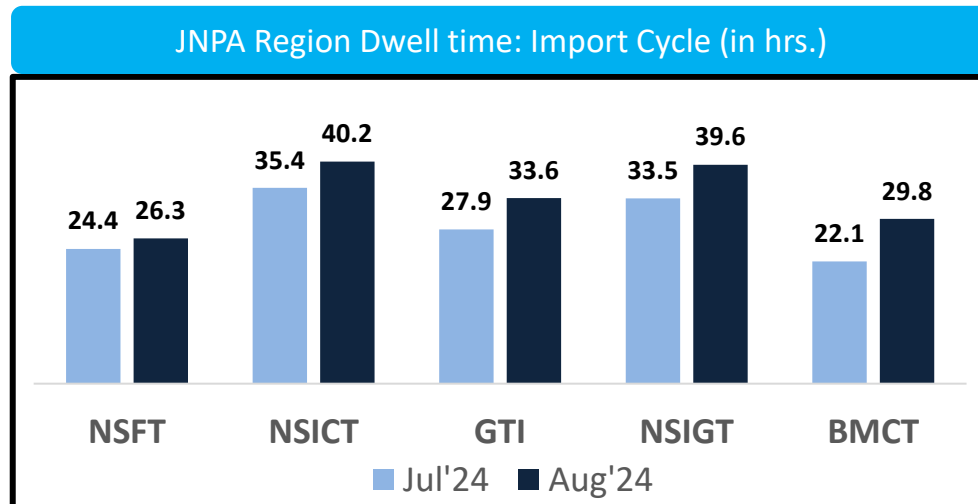
# JNPA Port Dwell Time Trend: Month on Month

## JNPA Port Dwell Time Trend :

The below table shows the overall port dwell time (i.e. import and export cycle combined) trend (Month of Month) of all the JNPA Port terminals. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal



The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Aug'24

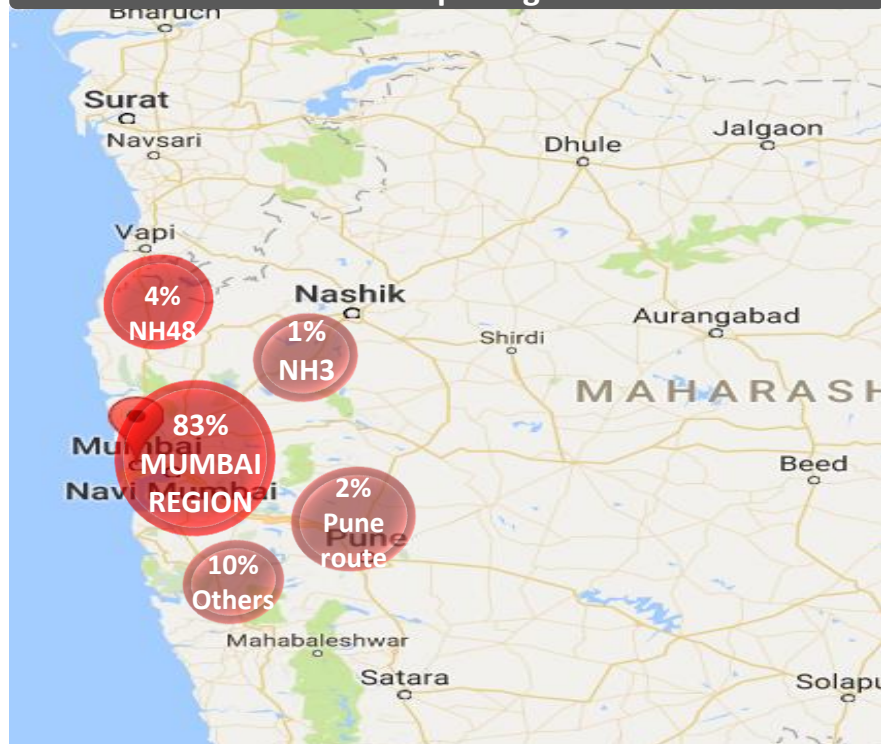


# ANNEXURE

# Container Movement Around JNPA Port Terminal Region Via Truck

## HEAT MAP : GTI Port Terminal

Heat Map : Aug'24

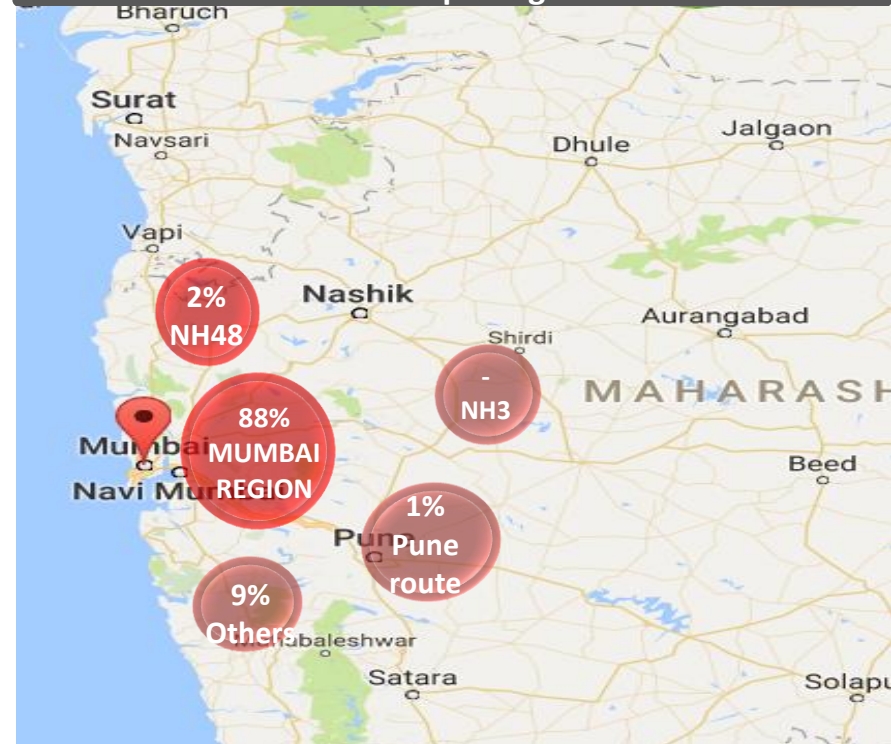


Region	Aug'24	Jul'24
Mumbai region	83%	85%
NH3	1%	-
Pune	2%	3%
NH48	4%	2%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

## HEAT MAP : NSFT Port Terminal

Heat Map : Aug'24



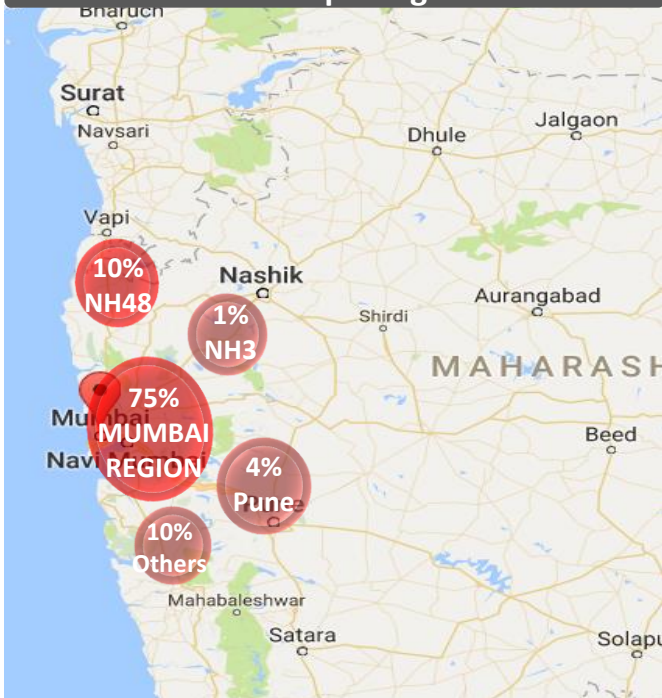
Region	Aug'24	Jul'24
Mumbai region	88%	86%
NH3	-	-
Pune	1%	2%
NH48	2%	2%
others	9%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

# Container Movement Around JNPA Port Terminal Region Via Truck

## HEAT MAP : NSIGT Port Terminal

Heat Map : Aug'24

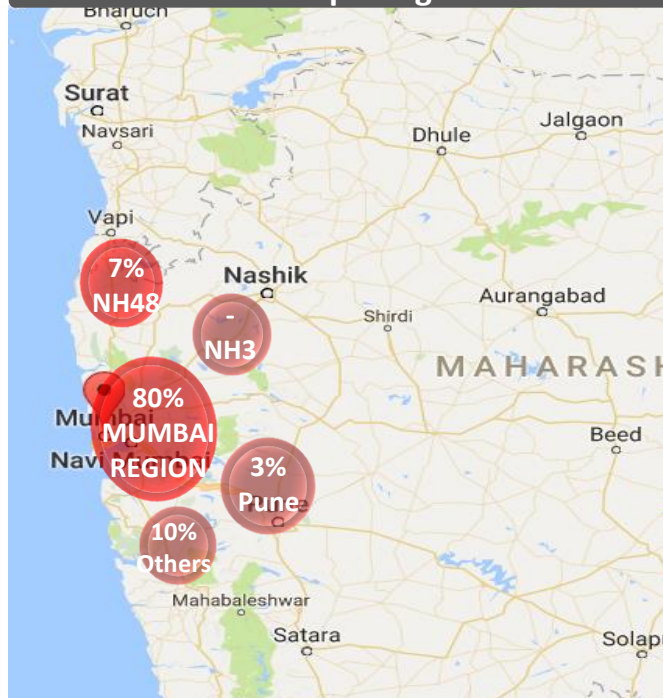


Region	Aug'24	Jul'24
Mumbai region	75%	74%
NH3	1%	1%
Pune	4%	8%
NH48	10%	7%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

## HEAT MAP : NSICT Port Terminal

Heat Map : Aug'24

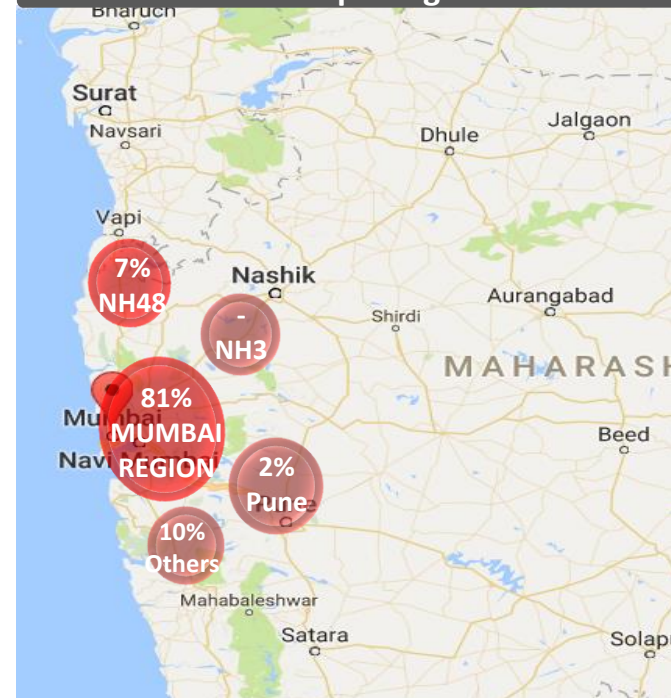


Region	Aug'24	Jul'24
Mumbai region	80%	84%
NH3	-	-
Pune	3%	3%
NH48	7%	3%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

## HEAT MAP : BMCT Port Terminal

Heat Map : Aug'24



Region	Aug'24	Jul'24
Mumbai region	81%	84%
NH3	-	-
Pune	2%	3%
NH48	7%	3%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

# CFS Delivery Time Analysis: JNPA Terminals to CFS (1/2)

**Port Out – CFS In (Import Cycle) – Aug'24 (in hrs):** Below table shows the delivery time in import cycle from the PORT terminals to CFS's

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	3.3	3.4	3.4	2.7	3.3
Ameya Logistics CFS, Navi Mumbai	2.2	2.6	2.8	2.4	2.3
APM (Maersk India) CFS, Navi Mumbai	3.0	2.6	2.5	2.2	2.3
Apollo Logisolutions CFS, Panvel	3.3	4.4	5.5	5.2	4.5
Ashte Logistics CFS, Panvel	2.3	2.7	3.5	2.3	2.5
Balmer & Lawrie CFS, Navi Mumbai	1.6	2.2	2.5	1.7	1.8
CWC Conex Terminal CFS	2.5	2.2	2.6	2.6	2.3
CWC Impex Park CFS, Navi Mumbai	2.2	3.7	3.3	3.9	4.4
CWC Polaris logistics park	1.9	2.2	2.6	2.3	2.0
EFC Logistics India	1.5	2.3	2.3	1.9	1.8
Gateway Distriparks CFS, Navi Mumbai	2.8	2.8	3.6	3.3	2.6

# CFS Delivery Time Analysis: JNPA Terminals to CFS (2/2)

**Port Out – CFS In (Import Cycle) – Aug'24 (in hrs):** Below table shows the delivery time in import cycle from the PORT terminals to CFS's

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
International Cargo Terminal CFS	1.7	2.3	2.3	2.2	2.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.7	1.9	2.2	2.0	1.8
JWC Logistics Park CFS	7.8	4.3	4.9	7.5	4.4
JWR CFS	-	2.5	-	5.8	3.7
Kerry Indev Logistics Pvt Ltd CFS	4.3	3.5	4.5	3.9	3.5
Maharashtra State Corp CFS	1.1	2.3	5.9	3.8	-
Navkar Corporation Yard 1 CFS, Panvel	3.3	3.2	2.7	3.7	2.7
Navkar Corporation Yard 2 CFS, Panvel	3.3	2.9	3.5	3.1	2.7
Ocean Gate CFS, Panvel	2.8	3.4	3.4	3.2	3.0
Punjab Conware CFS, Navi Mumbai	2.3	2.4	2.2	2.2	2.2
Sarveshwar CFS	2.6	2.8	4.0	2.7	2.5
Seabird CFS, Navi Mumbai	3.1	4.1	4.1	3.5	3.8
Speedy Multimode CFS, JNPT	1.7	2.4	2.4	1.9	2.1
Vaishno Logistics CFS, Navi Mumbai	1.3	2.4	4.9	1.6	2.8

# CFS Delivery Time Analysis: All CFS in Mumbai to JNPA Port (1/2)

**CFS Out – Port In (Export Cycle) – Aug'24 (in hrs):** Below table shows the delivery time in export cycle from the CFS's to PORT terminals

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	2.8	6.8	3.4	3.3	6.9
Ameya Logistics CFS, Navi Mumbai	1.7	5.6	4.6	3.2	5.6
APM (Maersk India) CFS, Navi Mumbai	2.5	5.9	4.7	3.3	9.3
Apollo Logisolutions CFS, Panvel	2.5	4.7	3.3	9.4	5.3
Ashte Logistics CFS, Panvel	2.5	5.2	4.4	4.7	6.1
Balmer & Lawrie CFS, Navi Mumbai	1.5	4.7	3.9	7.8	4.3
CWC Conex Terminal CFS	1.9	4.4	4.0	2.7	4.9
CWC Impex Park CFS, Navi Mumbai	6.9	-	6.0	-	4.6
CWC Polaris logistics park	1.9	5.9	5.1	4.4	5.2
EFC Logistics India	3.5	10.8	4.2	4.1	4.6
Gateway Distriparks CFS, Navi Mumbai	2.0	5.6	3.8	3.1	5.9



# CFS Delivery Time Analysis: All CFS in Mumbai to JNPA Port (2/2)

**CFS Out – Port In (Export Cycle) – Aug'24 (in hrs):** Below table shows the delivery time in export cycle from the CFS's to PORT terminals

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
International Cargo Terminal CFS	2.1	6.0	4.9	3.8	4.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6	3.7	3.7	2.6	4.9
JWC Logistics Park CFS	2.3	7.4	4.2	4.1	5.7
JWR CFS	2.4	5.4	4.0	2.9	5.6
Kerry Indev Logistics Pvt Ltd CFS	3	-	3.9	2.9	6.0
Maharashtra State Corp CFS	1.5	5.5	3.7	3.9	5.1
Navkar Corporation Yard 2 CFS, Panvel	2.7	-	5.0	6.1	6.3
Ocean Gate CFS, Panvel	2.2	6.7	4.4	3.0	5.3
Punjab Conware CFS, Navi Mumbai	1.5	4.8	4.7	2.4	4.3
Sarveshwar CFS	2.9	7.7	4.9	4.8	5.0
Seabird CFS, Navi Mumbai	2.3	5.9	4.4	4.8	4.5
Speedy Multimode CFS, JNPT	2.2	4.8	3.7	3.3	4.6
Vaishno Logistics CFS, Navi Mumbai	2.9	6.6	5.4	3.9	4.7



# JNPA Region: Cluster Analysis

Based on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity.

Below table shows all the clusters and the relevant data for GTI and NSFT terminal

## CFS Cluster : GTI Terminal

### GTI terminal for month of Aug'24

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.4	4.8
Cluster 2	6	13	2.5	5.6
Cluster 3	6	11	2.9	5.2
Cluster 4	1	13	2.8	6.7
Cluster 5	2	25	3.9	7.3
Cluster 6	6	25	3.2	6.8
Cluster 7	4	12	2.9	5.9
Cluster 8	1	34	4.9	12.7

## CFS Cluster : NSFT Terminal

### NSFT terminal for month of Aug'24

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.8	2.2
Cluster 2	6	13	1.9	2.1
Cluster 3	6	11	3.1	1.9
Cluster 4	1	13	1.3	2.9
Cluster 5	2	25	4	2.3
Cluster 6	6	25	3.2	2.7
Cluster 7	4	12	2.5	1.8
Cluster 8	1	34	14.5	11.4

# JNPA Region: Cluster Analysis

Based on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity.

Below table shows all the clusters and the relevant data for NSICT, NSIGT and BMCT terminal

## CFS Cluster : NSICT Terminal

NSICT terminal for month of Aug'24				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.8	3.7
Cluster 2	6	13	2.9	4.2
Cluster 3	6	11	3.1	4.4
Cluster 4	1	13	4.9	5.4
Cluster 5	2	25	3.8	4.3
Cluster 6	6	25	3.8	4
Cluster 7	4	12	3	4.2
Cluster 8	1	34	3.9	11.3

## CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Aug'24				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2	3.3
Cluster 2	6	13	2.4	3.2
Cluster 3	6	11	2.5	3.8
Cluster 4	1	13	1.9	3.9
Cluster 5	2	25	5.7	4.1
Cluster 6	6	25	3.5	6.1
Cluster 7	4	12	2.5	3.2
Cluster 8	1	34	2.8	11.1

## CFS Cluster : BMCT Terminal

BMCT terminal for month of Aug'24				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.2	4.6
Cluster 2	6	13	2.2	5.2
Cluster 3	6	11	2.8	4.5
Cluster 4	1	13	2.9	4.8
Cluster 5	2	25	3.6	5.5
Cluster 6	6	25	3.1	5.7
Cluster 7	4	12	2.6	6.1
Cluster 8	1	34	4.3	8.5

# JNPA Region: Destination-wise Dwell Time- Import

The below tables depict the Port Dwell Time Performance at JNPA Port for Train bound containers in Import Cycle based on the next destination city:

## Destination-wise Dwell Time (in hrs) – Train for Aug'24

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Ludhiana	46.00	31.90	-	37.70	80.90	39.80
Tughlakabad	46.30	58.50	63.50	-	-	57.20
Daulatabad	38.80	48.70	25.20	65.10	-	51.90
Navi Mumbai	22.40	36.00	68.90	60.60	-	31.40
Khodiyar	67.10	-	52.40	-	53.60	74.70
Malanpur	-	86.00	-	-	70.50	87.70
Moradabad	40.80	63.00	61.10	-	-	61.10
Ankaleshwar	79.90	27.60	31.90	66.40	-	33.80
Sanatnagar	43.10	-	58.00	80.00	-	51.20
Nagpur	49.80	-	42.60	51.40	-	57.10
Mandideep	87.20	-	-	56.90	68.90	78.90
Boisar	59.50	-	67.00	52.50	74.60	65.10
Dadri	51.90	-	65.40	-	62.70	57.80

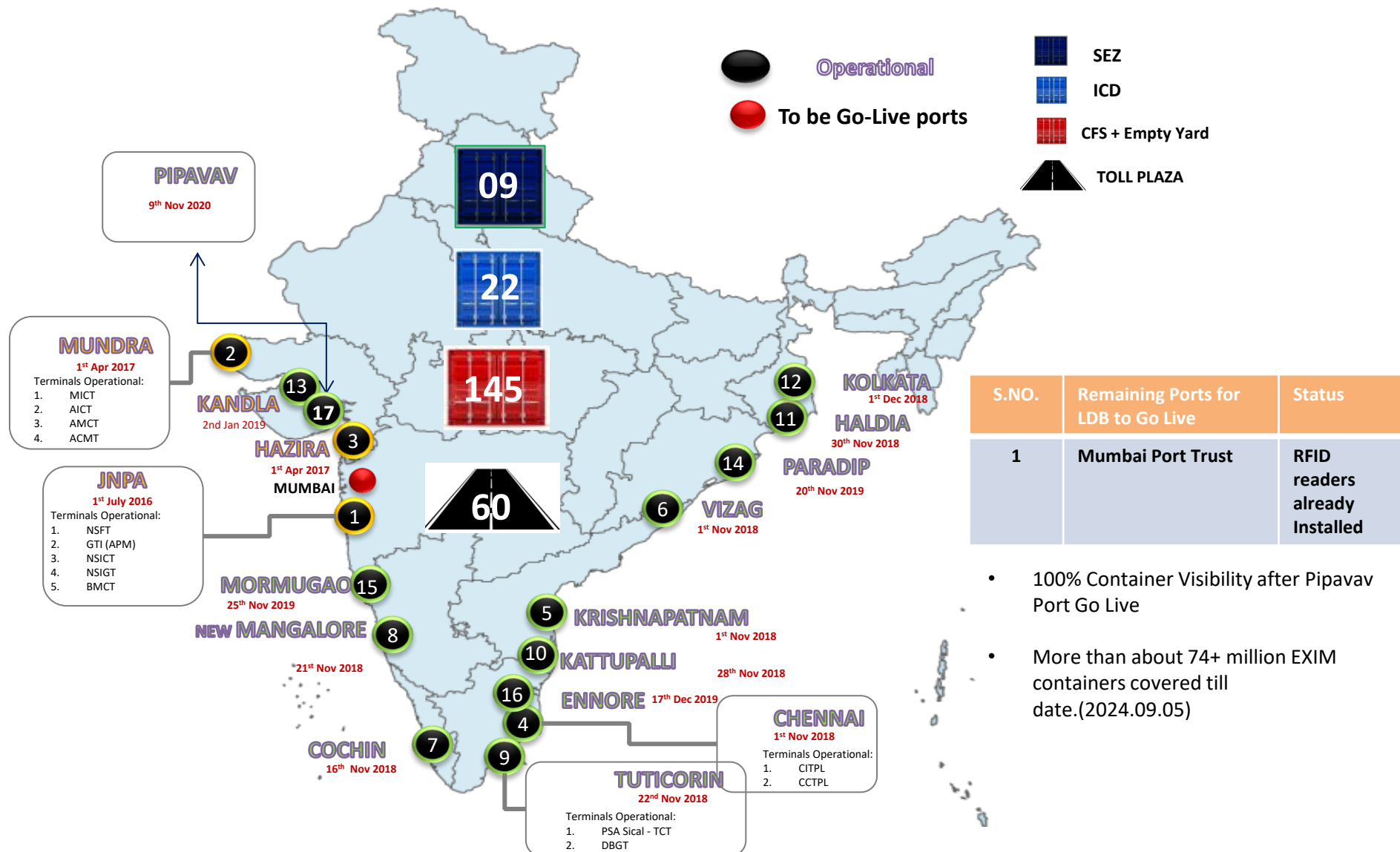
# JNPA Region: Destination-wise Dwell Time- Import

The below tables depict the Port Dwell Time Performance at JNPA Port for Truck bound containers in Import Cycle based on the next destination CFS:

## Destination-wise Dwell Time (in hrs) – Truck for Aug'24

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Gateway Distriparks CFS, Navi Mumbai	17.47	34.62	17.43	25.77	49.63	26.72
Navkar Corporation	17.30	23.72	16.01	25.42	27.13	20.65
JWC Logistics Park CFS	23.92	34.45	26.71	27.35	64.98	31.57
Balmer & Lawrie CFS, Navi Mumbai	17.96	24.93	15.95	22.00	27.25	21.75
Take Care Logistics	19.12	22.80	23.90	25.82	57.20	23.00
Apollo Logisolutions CFS, Panvel	21.80	32.00	17.40	34.33	47.42	27.30
Ashte Logistics CFS, Panvel	17.58	21.13	0.00	17.23	27.61	20.17
Kerry Indev Logistics Pvt Ltd CFS	17.68	41.09	16.20	16.65	53.49	27.60
CWC Impex Park	19.59	48.77	21.34	28.97	37.87	32.07
APM (Maersk India) CFS, Navi Mumbai	24.38	29.87	15.59	24.82	32.03	28.28
Ocean Gate CFS, Panvel	18.28	22.85	14.08	18.13	28.02	20.83
Maharashtra State Corp CFS	21.87	25.08	25.68	22.45	27.78	24.28
Vaishno Logistics CFS, Navi Mumbai	21.20	27.40	29.00	26.27	15.70	21.70
TG Terminals	20.97	-	16.38	17.38	22.14	20.48
Speedy Multimode CFS, JNPT	17.22	-	0.00	24.28	37.55	21.85
Ameya Logistics CFS, Navi Mumbai	21.69	-	20.42	29.72	46.50	25.95
Seabird CFS, Navi Mumbai	19.60	-	16.32	21.20	37.18	21.78

# LDB Operations Snapshot (1/2)



Below mentioned are all the CFS in the respective Clusters :

## Cluster 1

(JNPA Area)

- Speedy Multimode CFS, JNPA

## Cluster 2

(Bhendkhal area, Khopate road)

- APM (Maersk India) CFS, Navi Mumbai
- Maersk Annex (APM)CFS, Navi Mumbai
- Balmer & Lawrie CFS, Navi Mumbai
- CWC Hind Terminal CFS, Navi Mumbai
- International Cargo Terminals (ULA) CFS, Navi Mumbai & Infrastructure Private Limited
- Gateway Distriparks CFS, Navi Mumbai
- International Cargo Terminal CFS

## Cluster 3

Sonari area, JNPA road

- Punjab Conware CFS, Navi Mumbai
- Dronogiri Rail Terminal CFS, Navi Mumbai
- CWC Impex Park CFS, Navi Mumbai
- CWC Dronagiri CFS, Navi Mumbai
- Maharashtra State Corp CFS
- Seabird CFS, Navi Mumbai

## Cluster 4

(Chirle area, JNPA road)

- Vaishno Logistics CFS, Navi Mumbai

## Cluster 5

(Plaspa area, Coachi kanyakumari Highway)

- JWC Logistics Park CFS
- Ocean Gate CFS, Panvel

## Cluster 8

SBW

## Cluster 6

(Salva apta rd area, Bangalore highway)

- Ashte Logistics CFS, Panvel
- Apollo Logisolutions CFS, Panvel
- Indev Logistics CFS, Panvel
- Navkar Corporation Yrd 1 CFS, Panvel
- Navkar Corporation Yard 2 CFS, Panvel
- Navkar Corporation Yard 3 CFS, Panvel

## Cluster 7

(Patilpada area, Khopate JNPA road)

- All Cargo Logistics CFS, Navi Mumbai
- Transindia Logistics Park, Navi Mumbai
- Ameya Logistics CFS, Navi Mumbai
- Continental Warehousing CFS, Navi Mumbai

# Annexure: Western Region CFS

## 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		

## Methodology

Step 1

CFSs are divided into clusters based on their vicinity

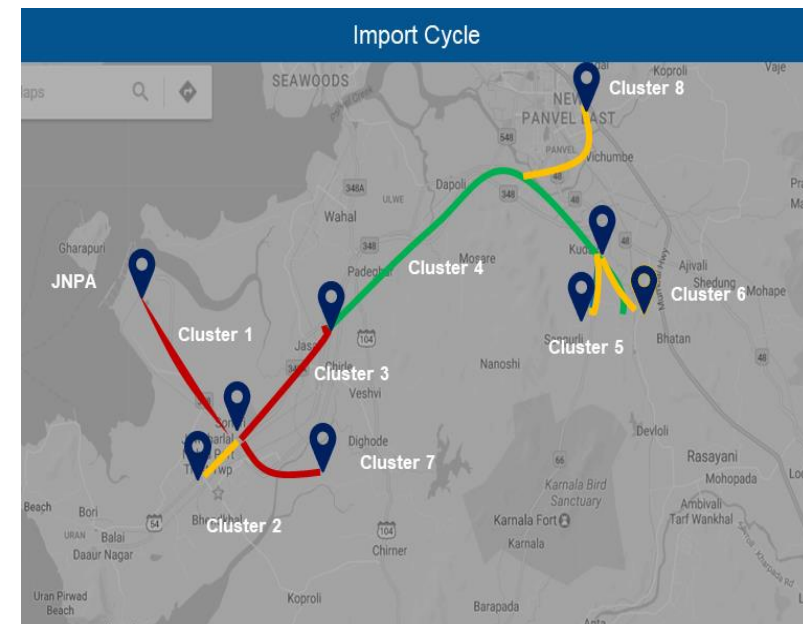
Step 2

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  $\leq 2$  times the threshold
  - Low congestion:  $>1$  to  $\leq 1.5$  times the threshold



Congestion Analysis

Congestion Level    ■ High    ■ Medium    ■ Low



An aerial photograph of a container ship's deck, filled with stacks of colorful shipping containers (red, white, blue, green). The ship is moving through the ocean, leaving a white wake. A large, semi-transparent blue Wi-Fi symbol is overlaid on the upper left portion of the image, and a green circular graphic with a grid pattern is centered over the ship's deck.

**THANK YOU**