



Logistics Databank Analytics Report - JNPA

November 2024



Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	19.5	22.3
NSICT	21.9	22.3
GTI	20.9	18.7
NSIGT	27.3	25.5
BMCT	17.6	17.8

Export Cycle		
Port	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	74.5	71.3
NSICT	56.3	63.1
GTI	81.4	76.6
NSIGT	93.5	78.1
BMCT	76.8	84.9

Critical Incident Summary Jawaharlal Nehru Port Authority

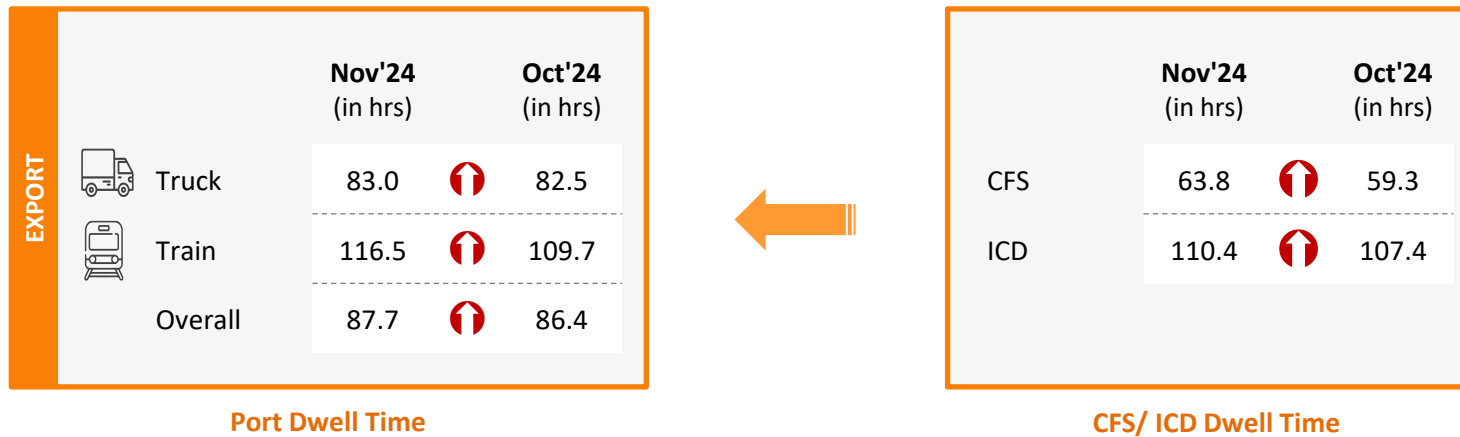
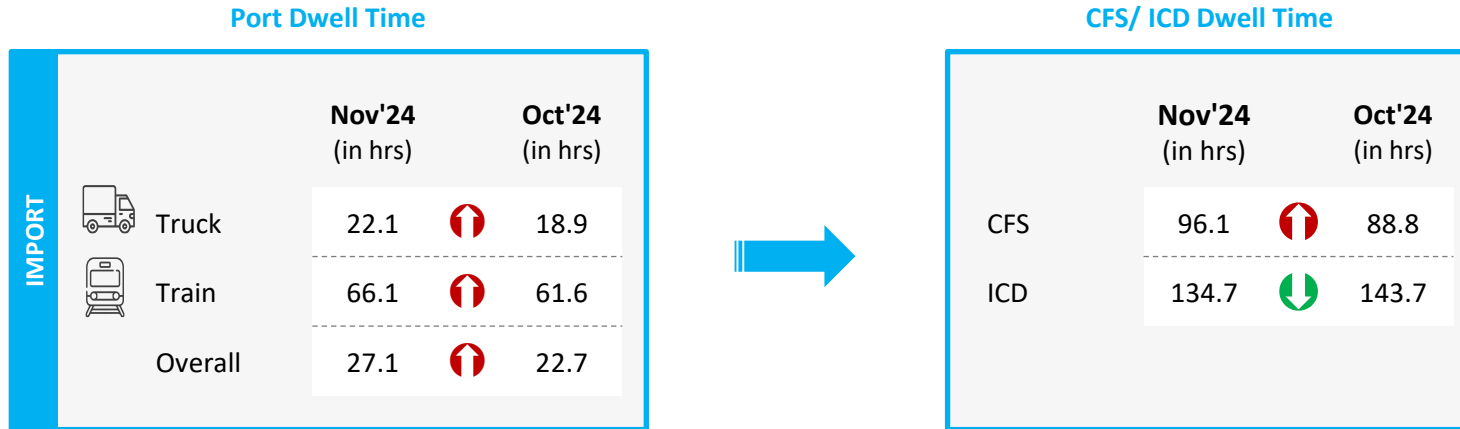
- Overall container handling performance (Port Dwell Time) has declined in both import and export cycle. CFS dwell Time performance has declined in both import and export cycle. ICD dwell Time performance has improved in import cycle and has declined in export cycle.

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
Nov'24	20.8 hrs	77.9 hrs	90.3 hrs	67.4 hrs	134.7 hrs	110.4 hrs
Oct'24	20.3 hrs ^{2.5%}	77.1 hrs ^{1.0%}	80.1 hrs ^{12.7%}	64.5 hrs ^{4.5%}	143.7 hrs ^{6.3%}	107.4 hrs ^{2.8%}

Indicates decrease/ increase in dwell time from last month

Container Transportation Performance: Western Corridor

Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Indicates decrease/increase in dwell time from last month

Port Performance Benchmarking & Performance Index: Western Region

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



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)

X-Axis: Dwell Time

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

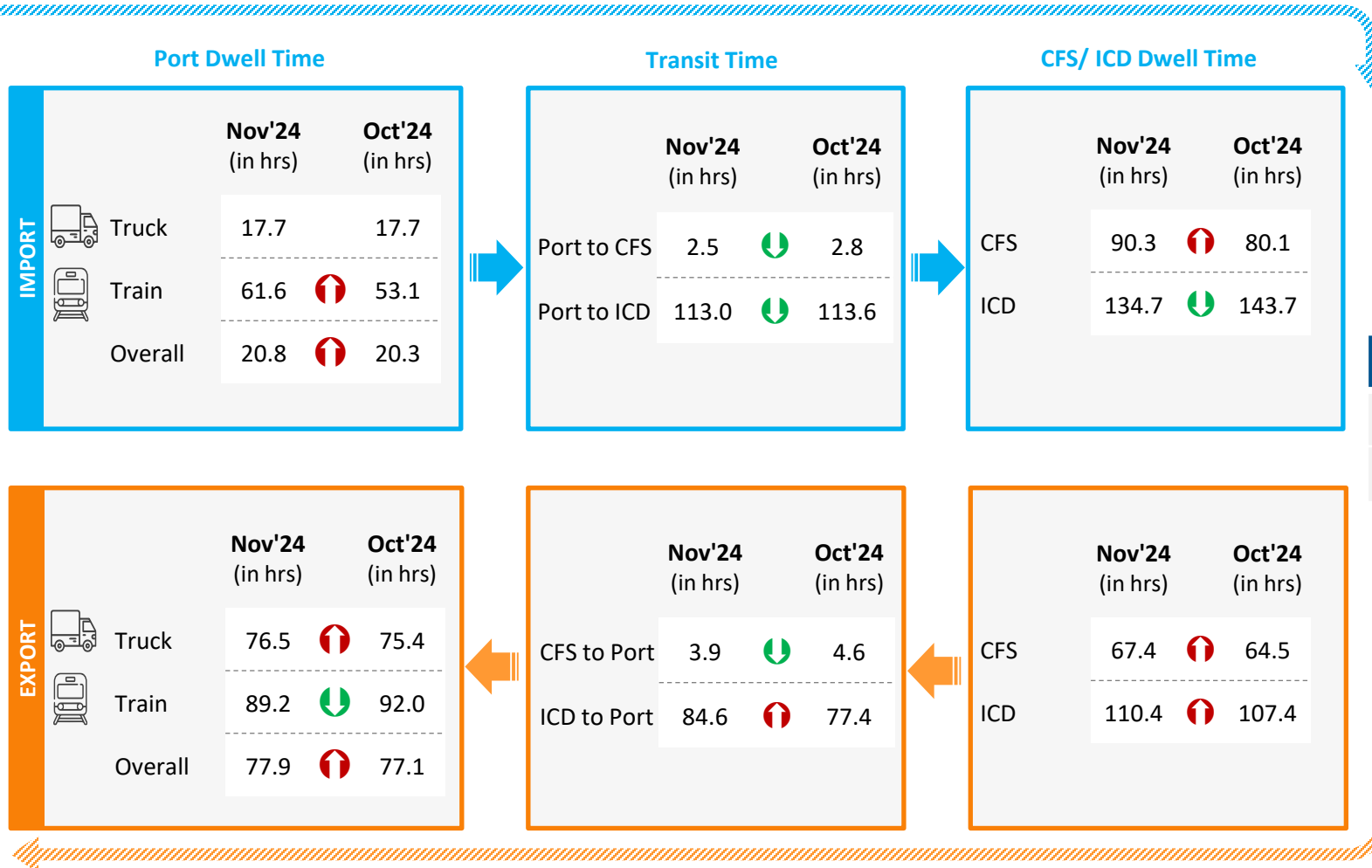
Slow Bulk Mover

Entities with high container count and high dwell time

Needs Improvement

Entities with low container count and high dwell time

Container Lifecycle (Import Cycle)



Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	83%	17%
Export	81%	19%

Indicates decrease/increase in dwell time from last month

Container Transportation: JNPA Port Terminals

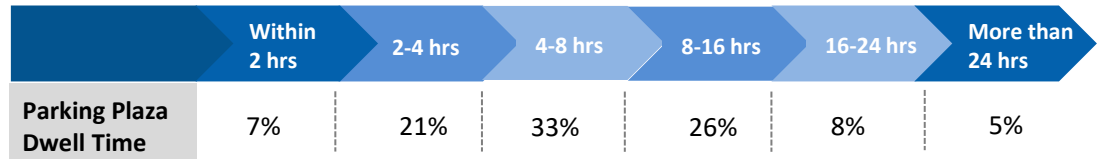
Import Cycle	Particulars		Nov'24 (in hrs)	Oct'24 (in hrs)
	Dwell Time	Overall Dwell Time		20.8
Truck Bound Containers		17.7	17.7	
Train Bound Containers		61.6	53.1	
Direct Port Delivery (DPD) containers		22.7	24.9	
Containers bound for CFS		16.9	17.0	
Empty Containers		28.4	28.7	
Laden Containers		19.5	19.1	
Transit Time	Port to ICD		113.0	113.6
	Port to CFS		2.5	2.8
Export Cycle	Particulars		Nov'24 (in hrs)	Oct'24 (in hrs)
	Dwell Time	Overall Dwell Time		77.9
Truck Bound Containers		76.5	75.4	
Train Bound Containers		89.2	92.0	
Direct Port Entry (DPE) containers		75.4	70.5	
Containers bound from CFS		74.6	71.8	
Empty Containers		77.0	76.5	
Laden Containers		78.5	77.3	
Transit Time	ICD to Port		84.6	77.4
	CFS to Port		3.9	4.6

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:

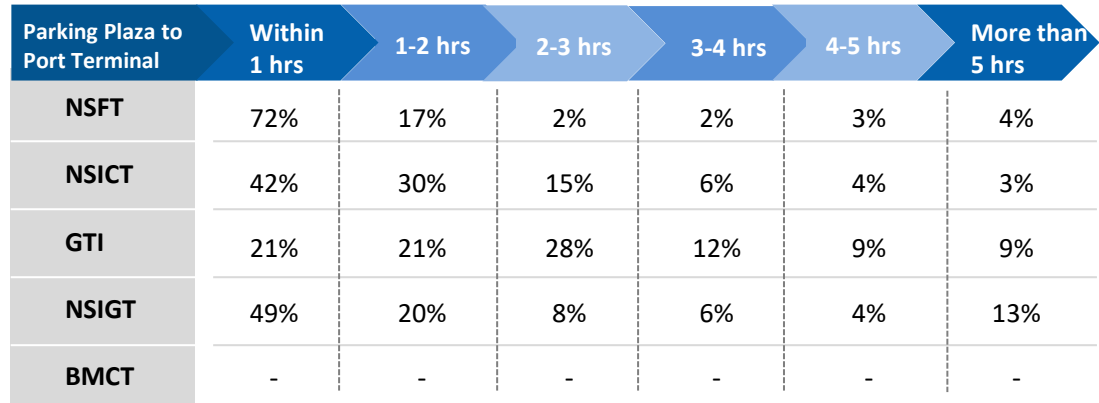
Parking Plaza Dwell Time	Nov'24 (in hrs)	Oct'24 (in hrs)
Gate in - Gate Out	6.4	6.3

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



Parking Plaza to JNPA Port	Nov'24 (in hrs)	Oct'24 (in hrs)
Gate Out – Terminal In	1.2	1.1

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



Port Terminal	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	0.6	-
NSICT	1.4	0.8
GTI	2.3	2.2
NSIGT	1.2	0.4
BMCT	-	-

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

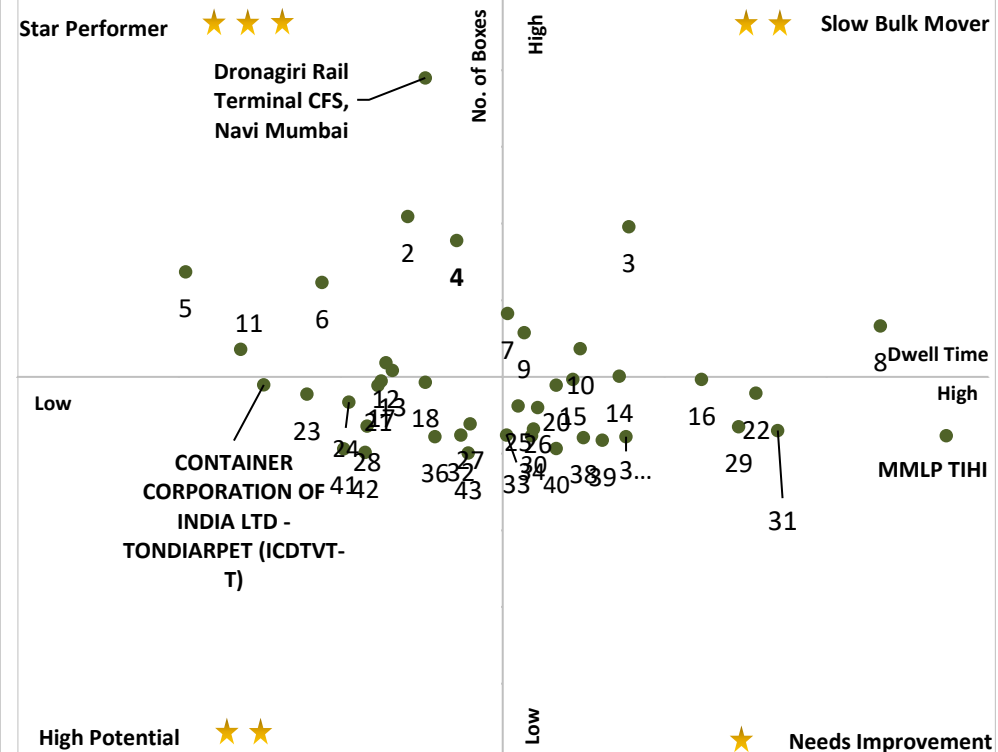
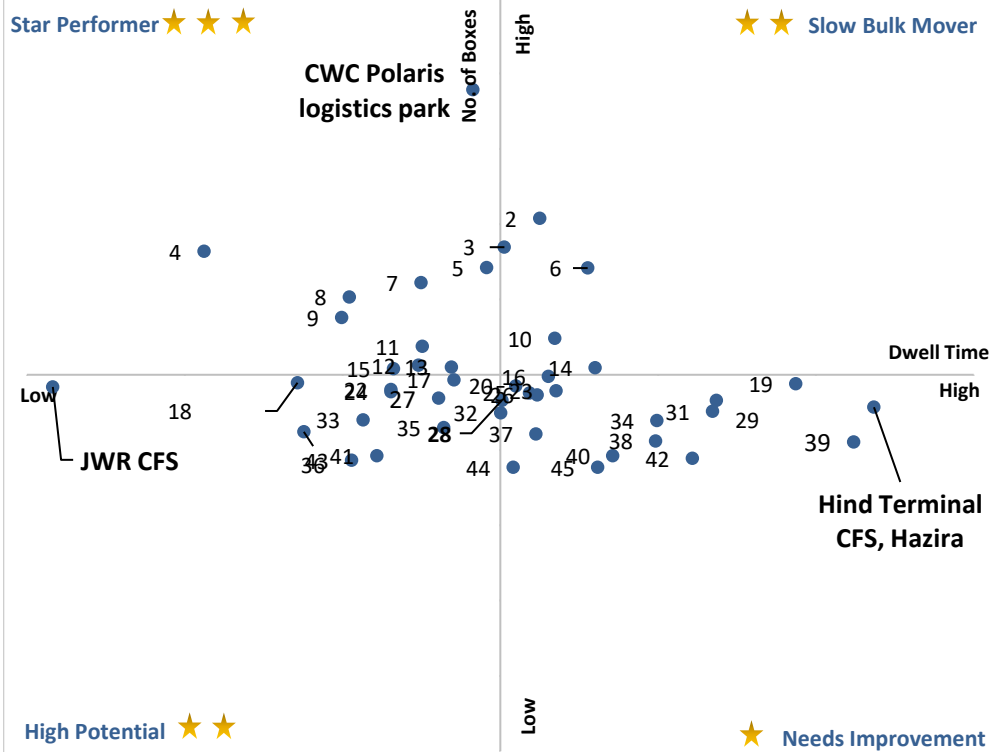
Hind Terminal CFS, Hazira

CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTV-T)

MMLP TIHI

Performance Index – Nov'24

Performance Index – Nov'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 (17% 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	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	51.4	52.0
NSICT	84.8	55.1
GTI	60.2	49.9
NSIGT	67.5	69.5
BMCT	54.5	48.2

Container Handled: Hour-wise (Nov'24)

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	21%	27%	23%	14%	11%	4%
NSICT	12%	13%	15%	16%	22%	22%
GTI	17%	21%	20%	12%	21%	9%
NSIGT	11%	24%	17%	13%	14%	21%
BMCT	20%	25%	18%	11%	11%	15%

PORT IMPORT via TRUCK (83% 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	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	16.8	19.4
NSICT	19.1	20.4
GTI	18.6	16.8
NSIGT	20.7	20.5
BMCT	14.7	15.1

Container Handled: Hour-wise (Nov'24)

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	65%	24%	5%	3%	2%	1%
NSICT	62%	27%	7%	2%	1%	1%
GTI	64%	27%	6%	1%	1%	1%
NSIGT	56%	27%	9%	4%	2%	2%
BMCT	69%	20%	7%	2%	1%	1%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

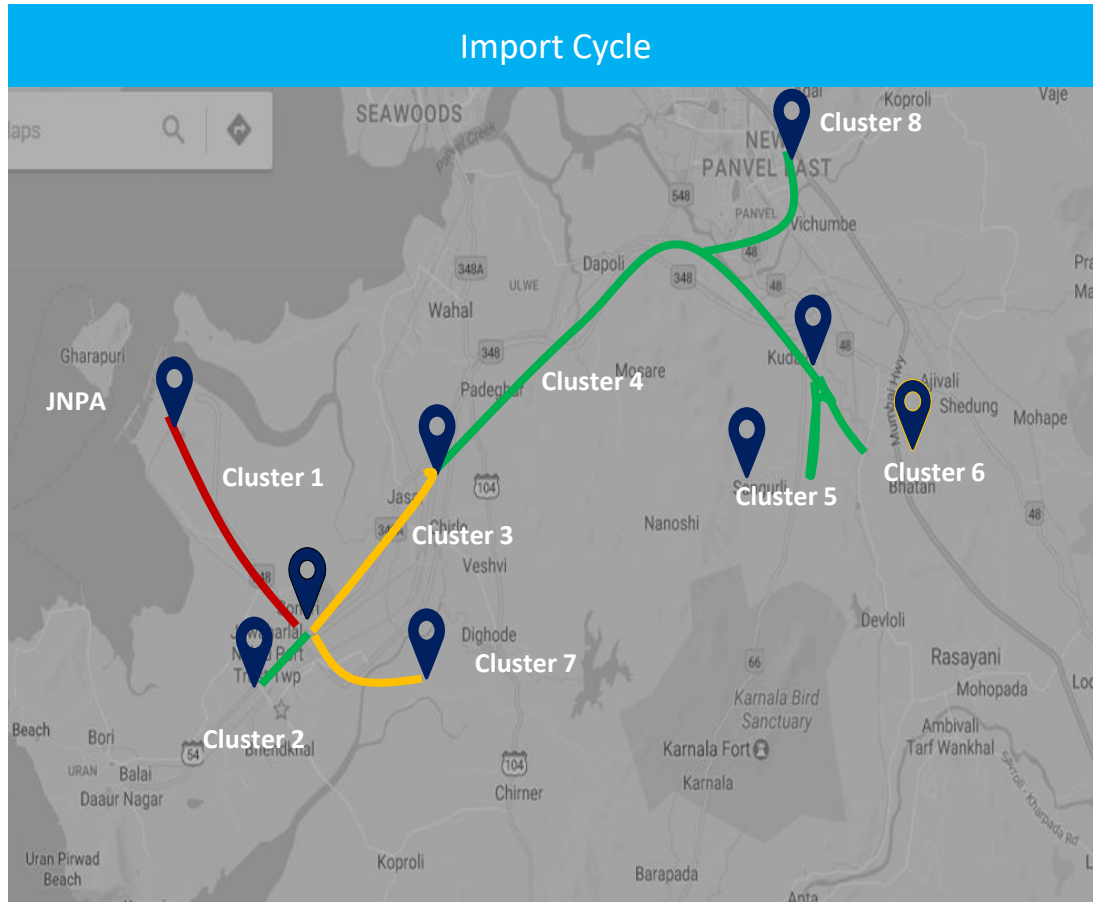
The below tables depict the detailed JNPA region port performance in the month of Nov'24

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	19.5	15.4	27.6	17.3
NSICT	51.8	18.1	23.7	21.3
GTI	34.6	19.1	26.5	20.6
NSIGT	66.5	17.0	34.2	23.7
BMCT	38.6	14.4	28.3	16.0

JNPA Region: Congestion Analysis (Import Cycle)

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



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	8.60%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	27.85%	Low
Cluster 3	Sonari Area, JNPA Road	2	14.27%	Medium
Cluster 4	Chirle Area, JNPA Road	1	2.70%	Low
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	15.41%	Low
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	19.70%	Low
Cluster 7	Patilpada Area, Khopate JNPA Road	3	10.98%	Medium
Cluster 8	Taloja, Navi Mumbai	1	0.49%	Low

Congestion Level ■ High ■ Medium ■ Low

JNPA Region Import Cycle: Container Movement

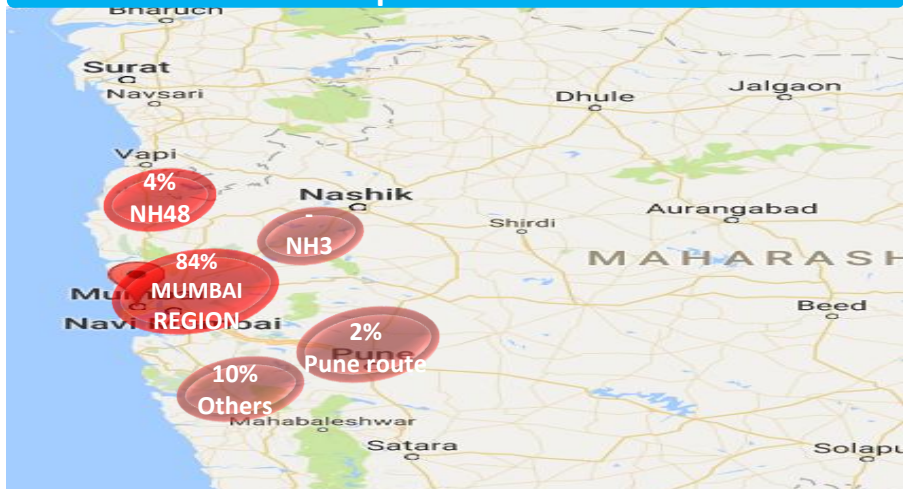
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Nov'24
Mumbai region	84%
NH3	-
Pune	2%
NH48	4%
Others	10%

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

Heat Map via Truck: Nov'24



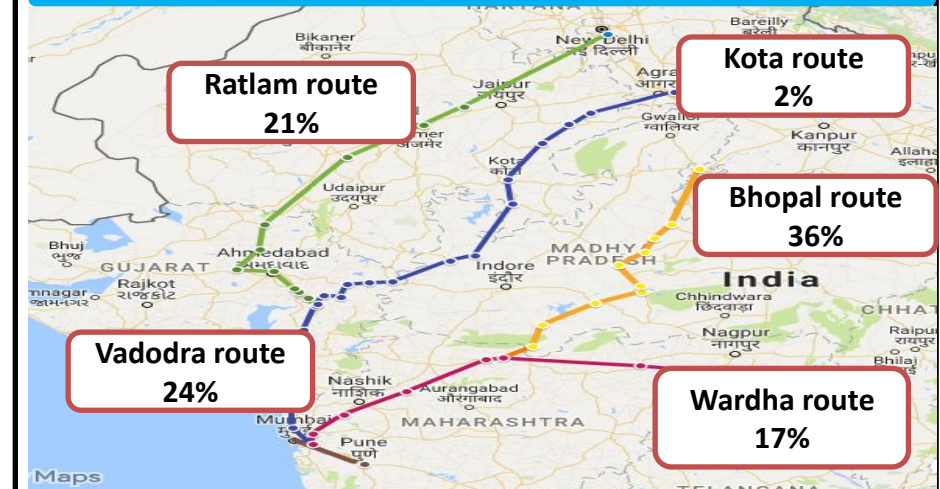
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Nov'24
Vadodra Route	24%
Ratlam Route	21%
Wardha Route	17%
Kota Route	2%
Bhopal Route	36%

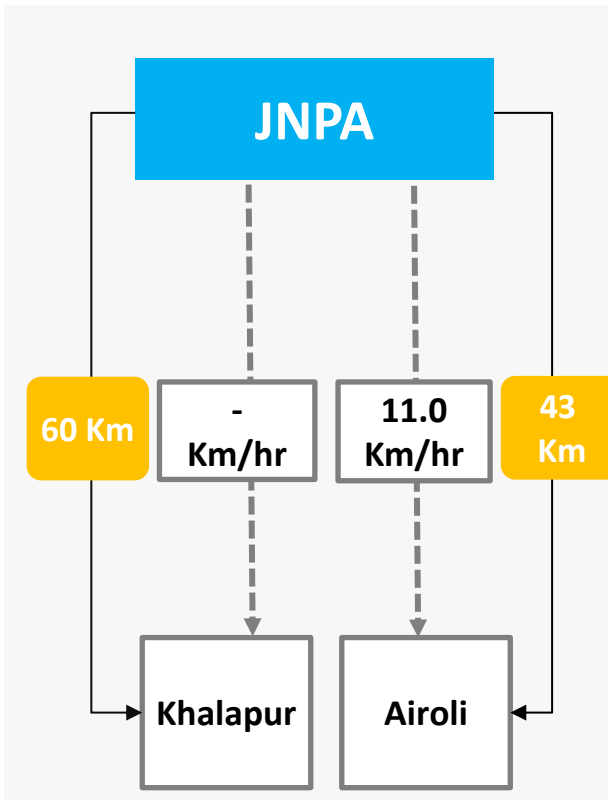
The map shows the volume wise container movement through different railway routes in import cycle

Container movement via Rail – Nov'24



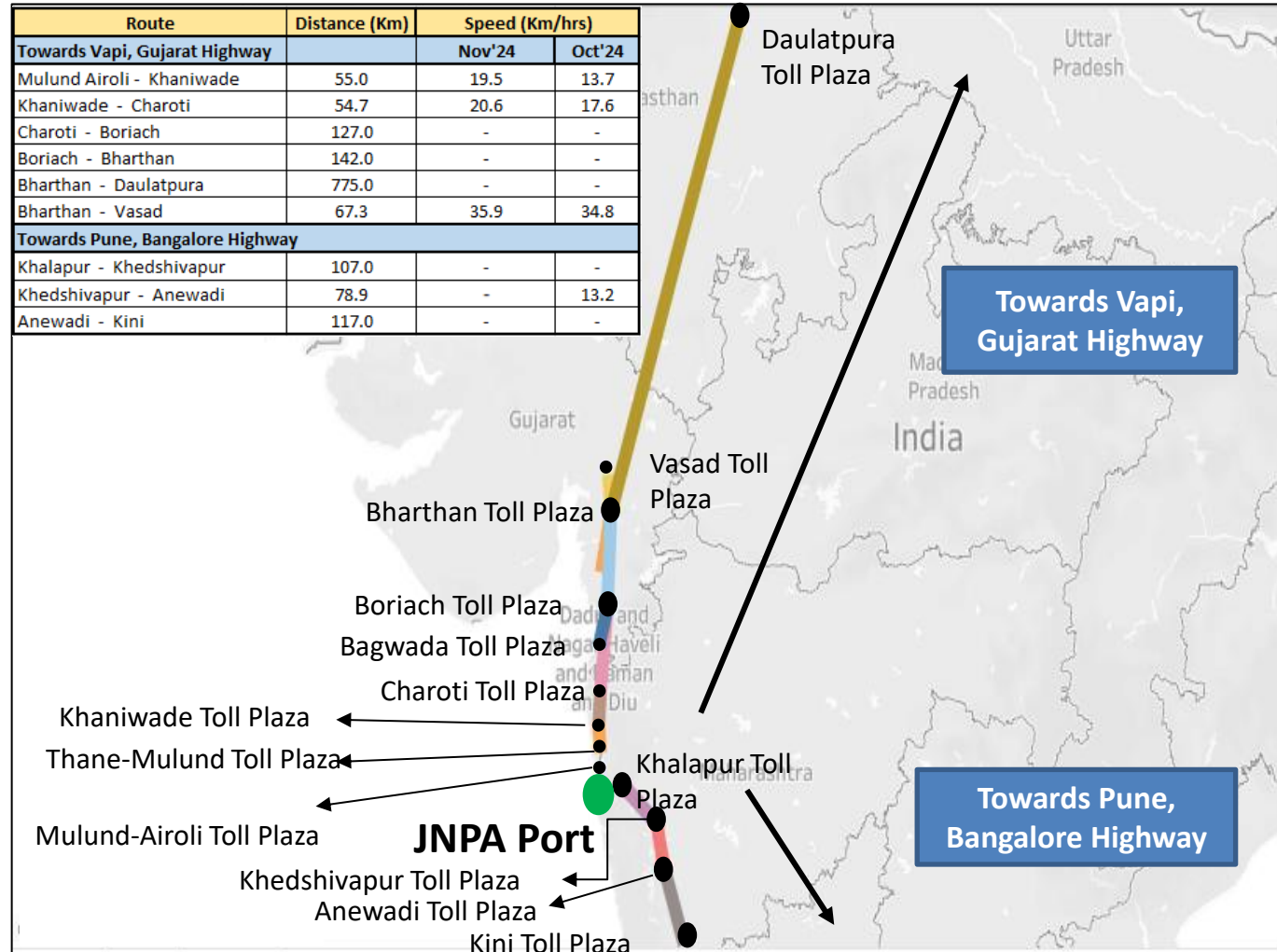
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (Km/hrs)	
		Nov'24	Oct'24
Towards Vapi, Gujarat Highway			
Mulund Airoli - Khaniwade	55.0	19.5	13.7
Khaniwade - Charoti	54.7	20.6	17.6
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	35.9	34.8
Towards Pune, Bangalore Highway			
Khalapur - Khedshivapur	107.0	-	-
Khedshivapur - Anewadi	78.9	-	13.2
Anewadi - Kini	117.0	-	-



Export Cycle Analysis

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 (19% 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	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	72.2	56.9
NSICT	23.6	25.8
GTI	111.7	105.3
NSIGT	112.7	107.5
BMCT	100.3	123.6

Container Handled: Hour-wise (Nov'24)

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	27%	10%	13%	16%	12%	22%
NSICT	50%	12%	10%	8%	12%	8%
GTI	1%	9%	12%	17%	31%	30%
NSIGT	0%	7%	15%	17%	31%	30%
BMCT	1%	11%	18%	18%	24%	28%

PORT EXPORT via TRUCK (81% 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	Nov'24 (in hrs)	Oct'24 (in hrs)
NSFT	74.7	72.5
NSICT	62.6	68.0
GTI	77.3	72.6
NSIGT	91.1	74.8
BMCT	74.2	82.0

Container Handled: Hour-wise (Nov'24)

Port Terminal	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	10%	17%	22%	18%	25%	8%
NSICT	8%	25%	28%	25%	13%	1%
GTI	3%	16%	26%	27%	27%	1%
NSIGT	2%	8%	17%	28%	34%	11%
BMCT	5%	16%	26%	26%	23%	4%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

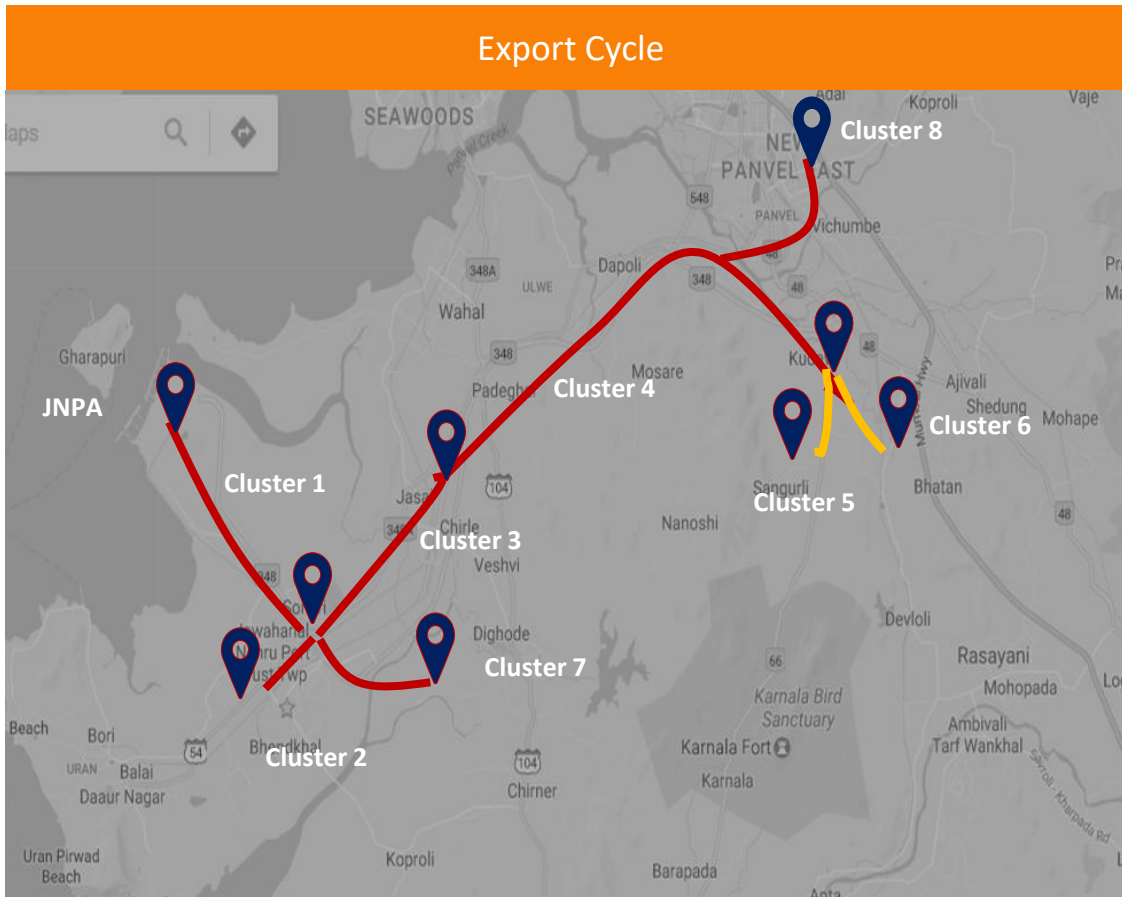
The below tables depict the detailed JNPA region port performance in the month of Nov'24

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	72.5	77.2	59.6	78.3
NSICT	62.7	64.6	56.0	56.4
GTI	76.5	78.2	78.4	83.2
NSIGT	86.0	80.2	103.7	89.5
BMCT	-	72.9	74.9	79.8

JNPA Region: Congestion Analysis (Export Cycle)

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



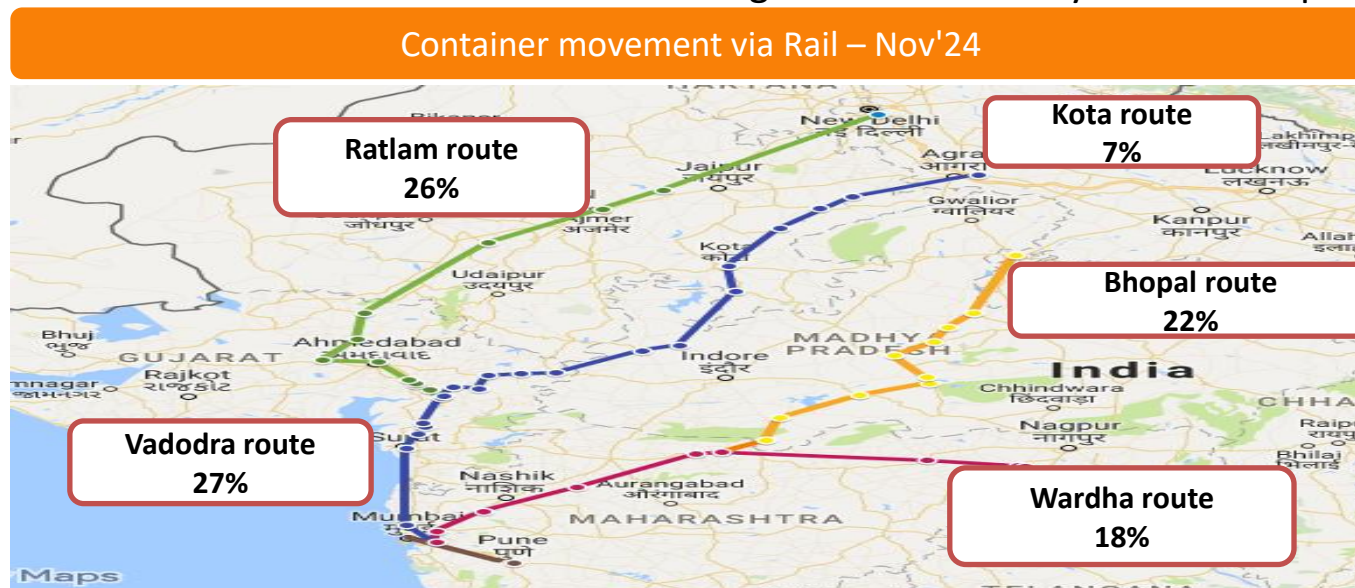
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	5.29%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	21.40%	High
Cluster 3	Sonari Area, JNPA Road	2	13.51%	High
Cluster 4	Chirle Area, JNPA Road	1	4.64%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	11.47%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	31.61%	Medium
Cluster 7	Patilpada Area, Khopate JNPA Road	3	11.15%	High
Cluster 8	Taloja, Navi Mumbai	1	0.93%	High

Congestion Level ■ High ■ Medium ■ Low

JNPA Region: Container Movement via Train

JNPA Port	
Route	Percentage of Container Movement
Vadodra Route	27%
Ratlam Route	26%
Wardha Route	18%
Kota Route	7%
Bhopal Route	22%

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

CFS Dwell Time (in hrs.)					
CFS	Nov'24 (in hrs)	Oct'24 (in hrs)	CFS	Nov'24 (in hrs)	Oct'24 (in hrs)
AllCargo Logistics CFS,Mumbai	104.8	-	JWR CFS	54.1	50.7
Ameya Logistics CFS, Navi Mumbai	92.7	78.4	Kerry Indev Logistics CFS,Mumbai	89.7	-
APM (Maersk India) CFS, Navi Mumbai	90.6	92.7	Maharashtra State Corp CFS	85.1	84.8
Apollo Logisolutions CFS, Panvel	73.5	65.9	Navkar Corporation Yard 1 CFS, Panvel	77.8	-
Ashte Logistics CFS, Panvel	81.1	66.5	Navkar Corporation Yard 2 CFS, Panvel	92.5	83.9
Balmer & Lawrie CFS, Navi Mumbai	93.4	91.3	Navkar Corporation Yard 3 CFS, Panvel	101.9	91.9
CWC Conex Terminal CFS	83.3	75.2	Ocean Gate CFS, Panvel	83.1	77.9
CWC Impex Park CFS, Navi Mumbai	80.9	79.4	Punjab Conware CFS, Navi Mumbai	89.9	83.8
CWC Polaris logistics park	87.4	73.9	Sarveshwar CFS	113.0	87.1
EFC Logistics India	77.0	64.5	Seabird CFS, Navi Mumbai	85.7	77.9
Gateway Distriparks CFS, Navi Mumbai	88.5	80.1	Speedy Multimode CFS, JNPT	77.6	77.8
International Cargo Terminal CFS	78.7	80.1	Take Care Logistics CFS	98.5	83
International Cargo Terminals (ULA) CFS, Navi Mumbai	80.9	-	Transworld Terminals CFS,Mumbai	91.9	-
JWC Logistics Park CFS	93.9	84.9	Vaishno Logistics CFS, Navi Mumbai	74.0	69.9

ICD Performance

ICD	Nov'24 (in hrs)	Oct'24 (in hrs)
Dronagiri Rail Terminal CFS, Navi Mumbai	108.9	108.6
ICD KHODIYAR	105.1	94.6
ICD WHITEFIELD	152.9	140.8
ICD SANATHNAGAR	115.7	117.4
CONCOR ICD, Dadri	57.1	55.0
Adani ICD, Tumb	86.6	86.6
Gateway Rail ICD, Sahnewal	126.7	126.6
HTPL ICD Qilaraipur Ludhiana	207.3	217.4
MMLP MIHAN	130.3	146.0
The Thar Dry Port ICD Ahmedabad	142.4	123.4
ICD DDL, LUDHIANA	69.0	65.3
CONCOR Kanakpura ICD, Jaipur	100.4	92.1
MMLP VISHAKAPATNAM	101.8	126.6
Hind Terminals Logistics Park ICD, Palwal	150.8	146.9
CFS VALLARPADAM	140.8	123.5
MMLP KHATUWAS	168.6	151.7
ICD BGKT, JODHPUR	99.4	83.9
KLPL ICD, Kanpur	108.9	114.0
CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTV-T)	74.0	83.8
Pristine ICD Chawapail , Ludhiana	137.2	120.4
MMLP BARHI	98.7	102.5

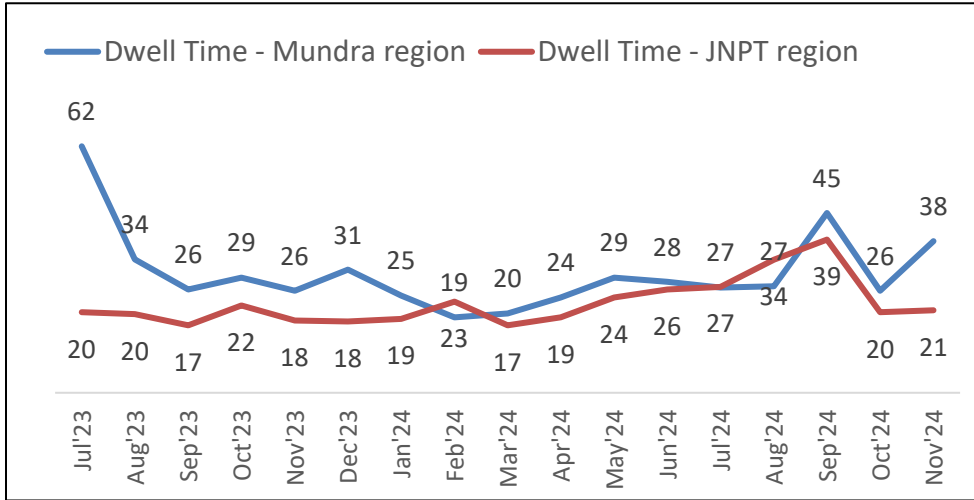
ICD	Nov'24 (in hrs)	Oct'24 (in hrs)
MMLP VARNAMA	180.4	182.9
ICD ANKLESHWAR	83.3	113.0
Vaishno Container Terminal-ICD Tarapur	92.4	73.0
ICD MANDIDEEP	129.0	135.3
Allcargo Logistics Park ICD, Dadri	133.2	140.4
Continental Warehousing Corporation Nhava Sheva Ltd ICD, Haryana	118.6	-
ICD KANPUR	96.3	98.5
Kribhco ICD, Meerut	176.6	148.6
Albatross Inland Ports ICD, Dadri	132.3	133.5
The Thar Dry Port Jodhpur	185.1	114.6
APM Terminals Inland Services ICD Bhamboli	116.6	106.9
ICD Jajpur (Jindal Stainless Ltd.)	126.5	114.5
CMA CGM Logistics Park, Dadri	131.9	133.0
MMLP TIHI	221.5	189.5
MMLP BALLI	111.0	122.0
ICD DAULATABAD	152.3	221.3
APM Terminals ICD, Dadri	143.1	112.4
Gateway Rail Freight ICD, Pyala	147.2	149.3
CONCOR ICD, Aurangabad	137.2	-
MMLP PANTHNAGAR (SIDCUL-CONCOR)	91.3	-
ICD KIFTPL Kashipur	95.9	130.7
ICD Pali (KIPL)	118.2	-

Trend Analysis

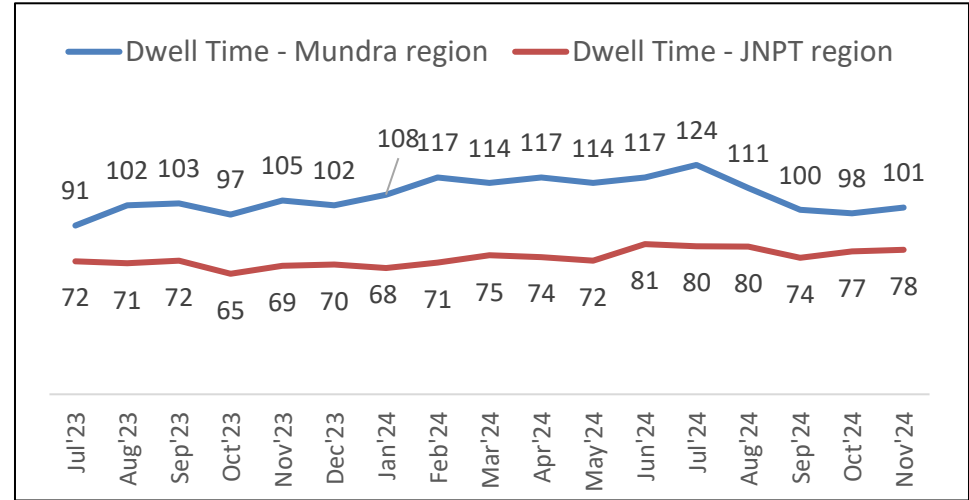
Western Corridor Port: Yearly Analysis

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

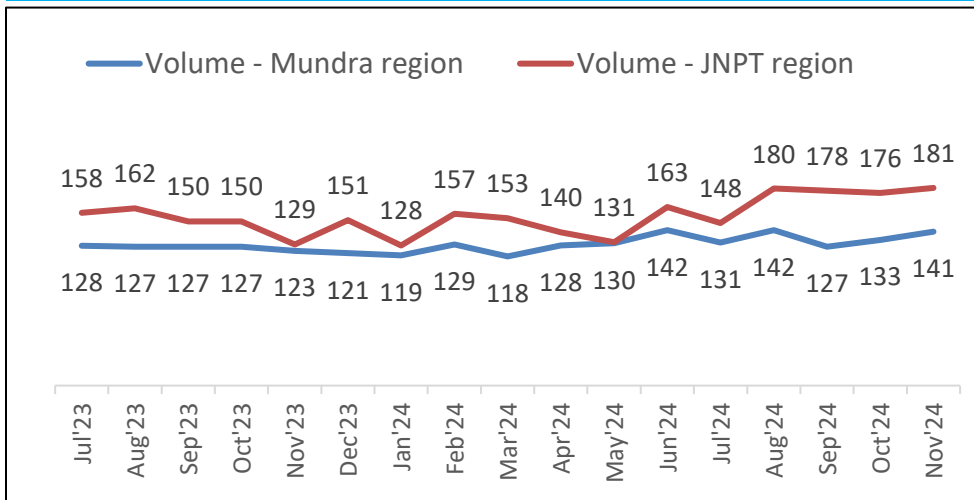
Import Dwell Time – Mundra Region Vs JNPA Region



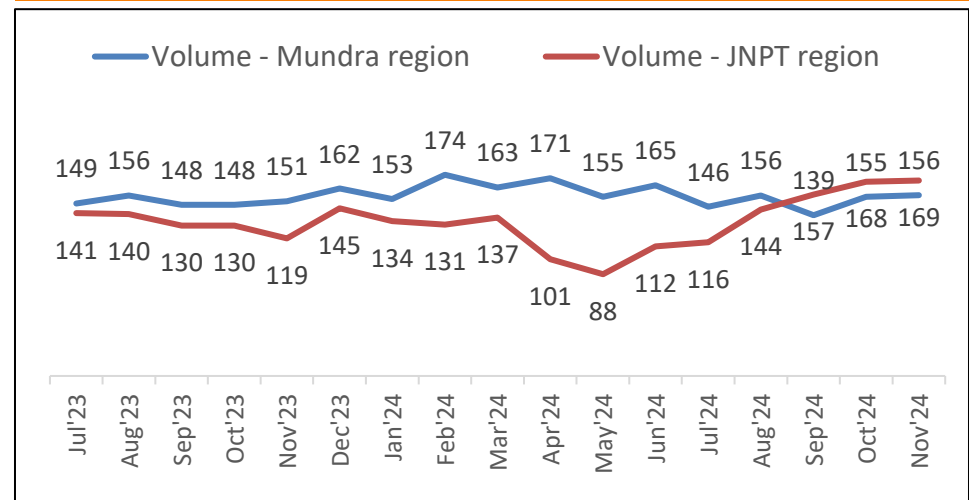
Export Dwell Time – Mundra Region Vs JNPA Region



Import Volume – Mundra Region Vs JNPA Region



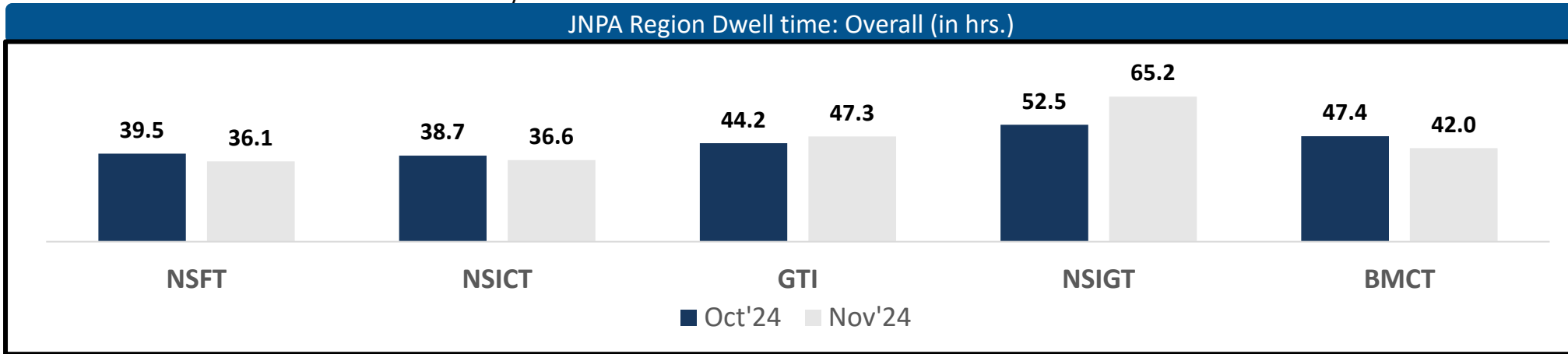
Export Volume – Mundra Region Vs JNPA Region



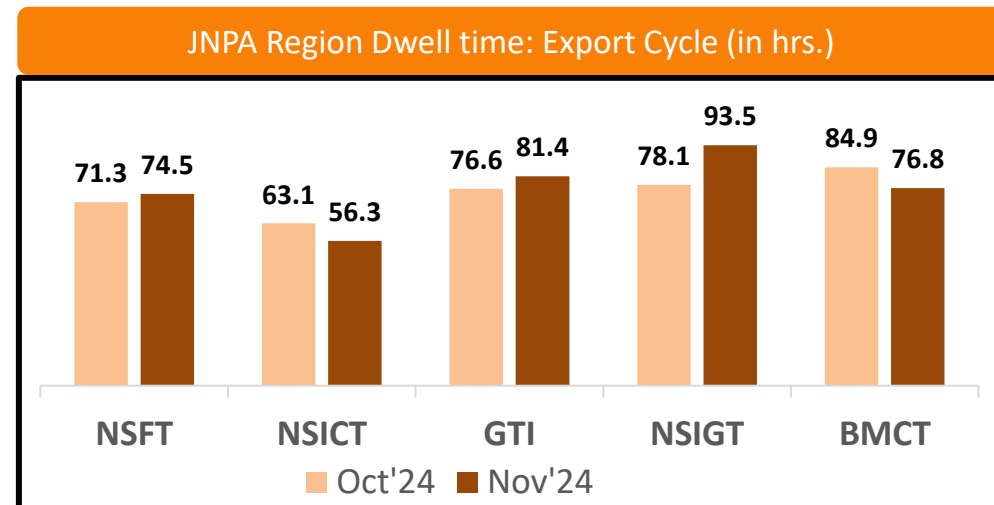
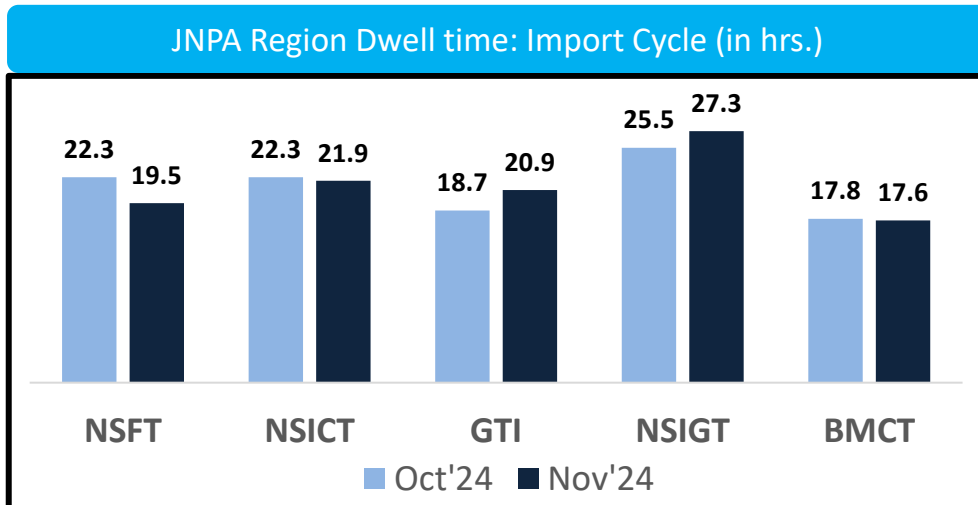
JNPA Port Dwell Time Trend: Month on Month

JNPA Port Dwell Time Trend :

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

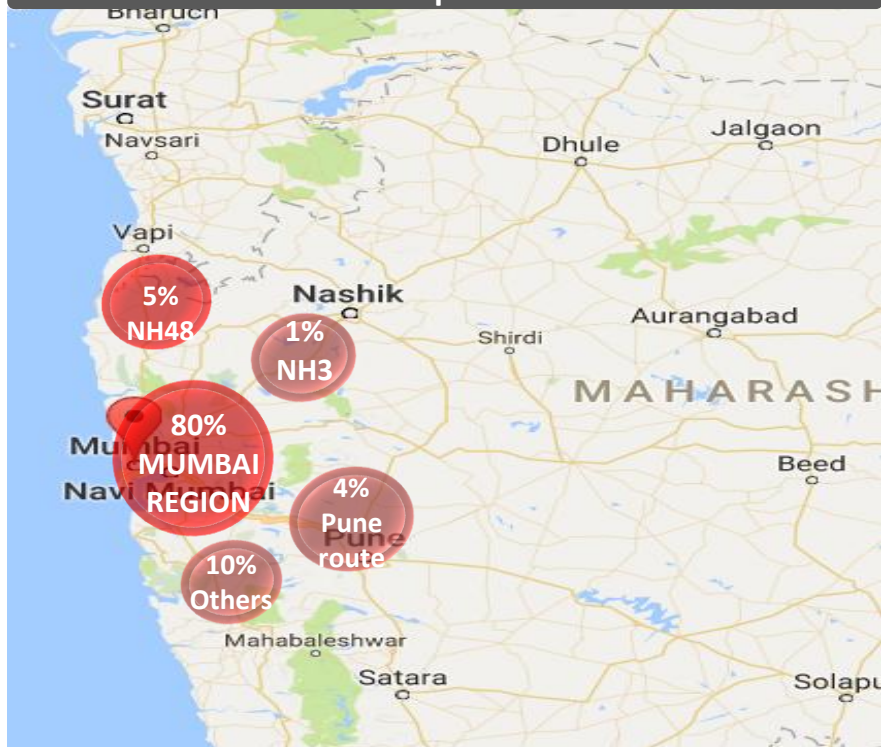


ANNEXURE

Container Movement Around JNPA Port Terminal Region Via Truck

HEAT MAP : GTI Port Terminal

Heat Map : Nov'24

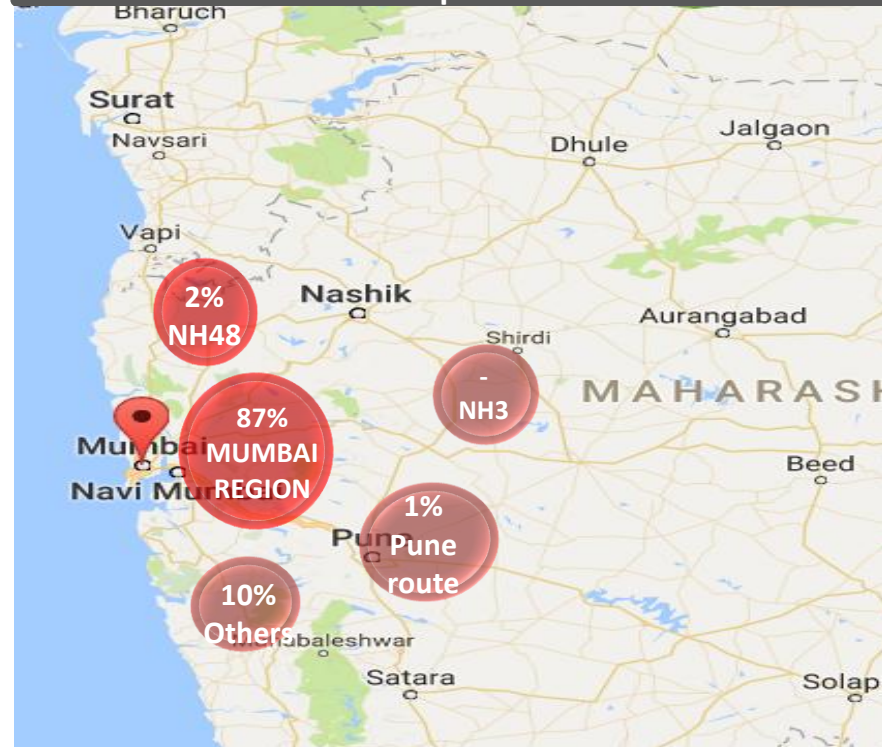


Region	Nov'24	Oct'24
Mumbai region	80%	85%
NH3	1%	-
Pune	4%	2%
NH48	5%	3%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

Heat Map : Nov'24



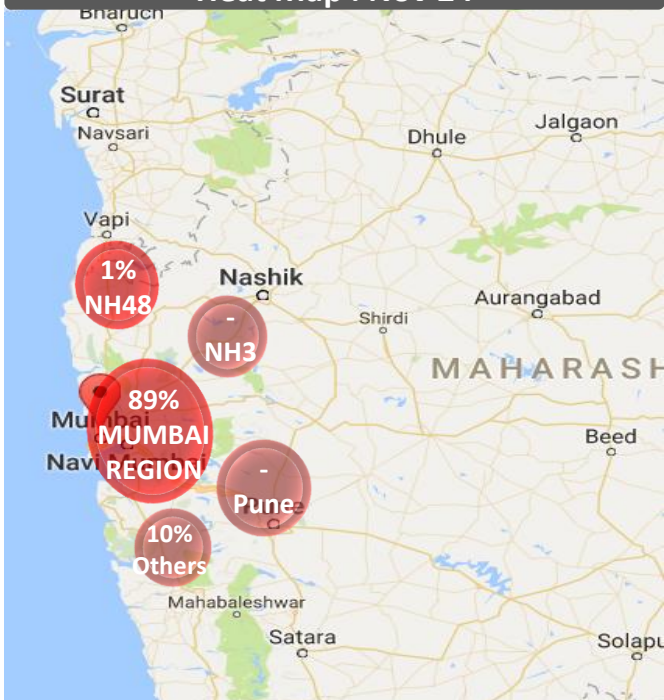
Region	Nov'24	Oct'24
Mumbai region	87%	86%
NH3	-	-
Pune	1%	1%
NH48	2%	3%
others	10%	10%

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 : Nov'24

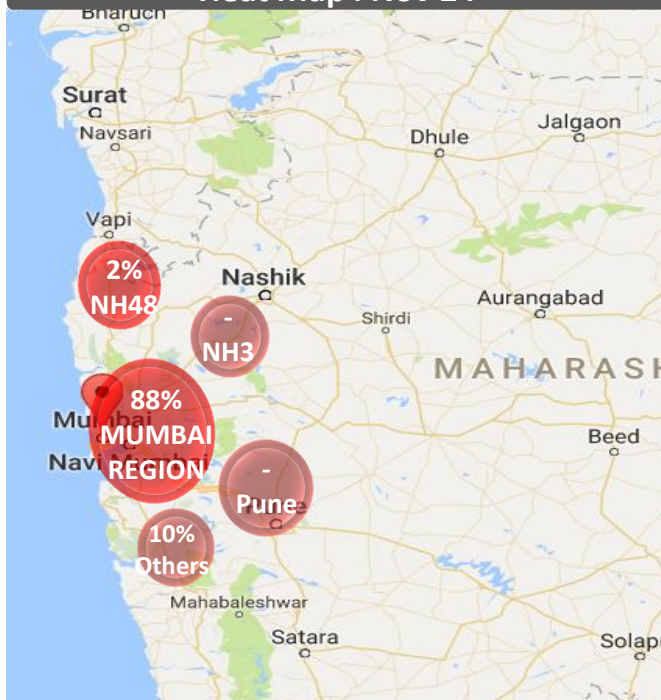


Region	Nov'24	Oct'24
Mumbai region	89%	88%
NH3	-	-
Pune	-	-
NH48	1%	2%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal

Heat Map : Nov'24

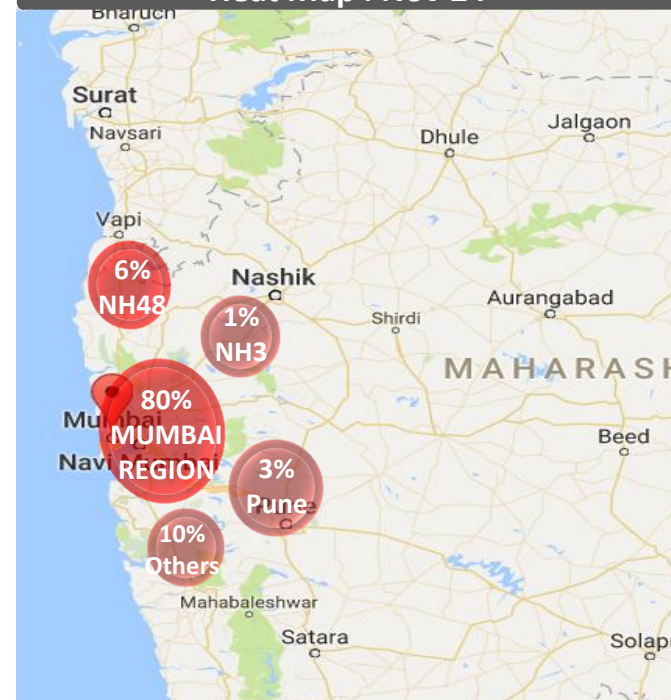


Region	Nov'24	Oct'24
Mumbai region	88%	85%
NH3	-	-
Pune	-	2%
NH48	2%	3%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal

Heat Map : Nov'24



Region	Nov'24	Oct'24
Mumbai region	80%	83%
NH3	1%	-
Pune	3%	2%
NH48	6%	5%
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) – Nov'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 CFS, Mumbai	3.7	3.6	5.1	1.5	2.8
Ameya Logistics CFS, Navi Mumbai	2.2	2.5	2.8	2.2	2.1
APM (Maersk India) CFS, Navi Mumbai	2.5	2.5	2.6	1.8	2.3
Apollo Logisolutions CFS, Panvel	4.4	3.6	6.5	5.6	3.3
Ashte Logistics CFS, Panvel	2.8	2.8	3.0	2.5	2.4
Balmer & Lawrie CFS, Navi Mumbai	2.3	2.1	2.2	1.9	1.8
CFS AMBAD, NASHIK	25.3	34.5	20.9	33.5	35.4
CWC Conex Terminal CFS	1.9	2.1	2.7	2.1	1.8
CWC Dronagiri CFS, Navi Mumbai	2.5	3.6	2.2	9.8	2.0
CWC Impex Park CFS, Navi Mumbai	2.6	2.4	3.7	2.4	1.9
CWC Polaris logistics park	2.4	2.1	2.9	2.5	1.8
EFC Logistics India	5.1	2.6	3.2	2.0	2.0
Gateway Distriparks CFS, Navi Mumbai	3.0	2.9	2.6	2.4	2.3
International Cargo Terminal CFS	1.9	2.4	2.9	1.9	2.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9	2.2	2.3	1.7	1.7
JWC Logistics Park CFS	4.3	3.4	4.9	3.3	3.0

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

Port Out – CFS In (Import Cycle) – Nov'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
JWR CFS	17.8	3.0	17.3	22.8	5.1
Kerry Indev Logistics CFS, Mumbai	4.1	3.6	4.9	3.3	3.7
Maersk Annex (APM) CFS, Navi Mumbai	2.4	2.0	2.2	-	1.7
Maharashtra State Corp CFS	2.5	2.1	1.9	1.8	2.3
Navkar Corporation Yard 1 CFS, Panvel	2.6	2.7	4.6	3.0	2.7
Navkar Corporation Yard 2 CFS, Panvel	3.3	3.0	4.8	3.1	2.9
Navkar Corporation Yard 3 CFS, Panvel	2.9	2.6	2.8	3.2	2.1
Ocean Gate CFS, Panvel	3.1	3.3	3.2	2.7	2.9
Punjab Conware CFS, Navi Mumbai	2.0	2.2	2.5	1.4	2.1
Sarveshwar CFS	2.6	3.0	3.5	2.4	2.5
SBW Logistics CFS, Navi Mumbai	2.9	4.8	4.7	2.8	3.7
Seabird CFS, Navi Mumbai	7.1	4.0	5.3	2.7	4.1
Speedy Multimode CFS, JNPT	2.0	1.9	2.5	1.6	1.6
Take Care Logistics CFS	2.2	3.1	3.2	3.0	2.8
Transworld Terminals CFS, Mumbai	1.6	1.7	1.7	1.4	1.4
Vaishno Logistics CFS, Navi Mumbai	2.6	2.2	2.4	1.6	1.9

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

CFS Out – Port In (Export Cycle) – Nov'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 CFS,Mumbai	3.2	4.1	2.4	2.8	5.1
Ameya Logistics CFS, Navi Mumbai	1.6	5.0	2.9	2.7	3.4
APM (Maersk India) CFS, Navi Mumbai	6.0	6.5	5.2	2.9	5.3
Apollo Logisolutions CFS, Panvel	3.4	6.3	3.3	2.8	4.7
Ashte Logistics CFS, Panvel	2.0	5.4	3.4	4.1	5.4
Balmer & Lawrie CFS, Navi Mumbai	19.2	5.6	3.2	7.4	4.4
CFS AMBAD, NASHIK	22.1		16.2		
CWC Conex Terminal CFS	2.2	3.9	2.9	2.5	4.3
CWC Dronagiri CFS, Navi Mumbai	1.9	5.7	1.4	5.8	4.0
CWC Impex Park CFS, Navi Mumbai	6.7	25.1	2.9	7.3	3.8
CWC Polaris logistics park	2.1	5.2	4.3	3.7	4.3
EFC Logistics India	1.9	8.7	3.9	3.8	6.4
Gateway Distriparks CFS, Navi Mumbai	2.5	5.4	2.2	4.3	4.1
International Cargo Terminal CFS	3.2	3.9	3.3	3.4	5.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.0	4.6	3.4	3.2	4.1
JWC Logistics Park CFS	2.0	3.5	2.9	2.6	4.3

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

CFS Out – Port In (Export Cycle) – Nov'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
JWR CFS	4.3	5.1	4.2	3.8	4.9
Kerry Indev Logistics CFS,Mumbai	2.6	4.5	3.2	2.6	6.0
Maersk Annex (APM)CFS, Navi Mumbai	41.2	6.6	2.8	5.3	4.0
Maharashtra State Corp CFS	2.0	3.7	2.3	2.5	3.9
Navkar Corporation Yard 1 CFS, Panvel	2.3	6.9	5.1	15.9	
Navkar Corporation Yard 2 CFS, Panvel	2.6	4.6	3.9	2.9	5.7
Navkar Corporation Yard 3 CFS, Panvel	2.3	6.0	4.3	6.0	5.3
Ocean Gate CFS, Panvel	2.4	9.3	3.3	4.3	4.6
Punjab Conware CFS, Navi Mumbai	1.5	4.0	2.7	3.0	4.3
Sarveshwar CFS	2.7	3.4	3.5	3.2	5.1
SBW Logistics CFS, Navi Mumbai	6.1		12.3	8.4	10.9
Seabird CFS, Navi Mumbai	2.5	5.5	3.2	3.1	3.5
Speedy Multimode CFS, JNPT	1.9	3.8	2.8	3.0	3.6
Take Care Logistics CFS	11.5	8.7	6.1	3.2	6.1
Transworld Terminals CFS,Mumbai	1.5	2.9	2.7	3.1	4.0
Vaishno Logistics CFS, Navi Mumbai	2.2	5.0	3.7	3.7	5.1

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 tables shows all the clusters and the relevant data for GTI and NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Nov'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	2.1	3.8
Cluster 2	6	13	2.6	5.3
Cluster 3	6	11	3.0	4.2
Cluster 4	1	13	2.2	5.0
Cluster 5	2	25	3.4	5.9
Cluster 6	6	25	2.9	5.4
Cluster 7	4	12	2.6	5.0
Cluster 8	1	34	4.8	-

CFS Cluster : NSFT Terminal

NSFT terminal for month of Nov'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	2.0
Cluster 2	6	13	1.9	3.2
Cluster 3	6	11	3.9	2.1
Cluster 4	1	13	2.3	2.2
Cluster 5	2	25	3.6	2.1
Cluster 6	6	25	3.9	2.5
Cluster 7	4	12	2.2	1.7
Cluster 8	1	34	2.9	6.1

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

CFS Cluster : NSICT Terminal

NSICT terminal for month of Nov'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	2.7	2.8
Cluster 2	6	13	2.5	3.1
Cluster 3	6	11	3.0	2.9
Cluster 4	1	13	2.5	3.7
Cluster 5	2	25	4.1	3.0
Cluster 6	6	25	3.6	3.9
Cluster 7	4	12	2.7	2.9
Cluster 8	1	34	4.7	12.3

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Nov'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	1.6	3.1
Cluster 2	6	13	2.0	4.2
Cluster 3	6	11	1.9	3.0
Cluster 4	1	13	1.6	3.7
Cluster 5	2	25	2.9	3.9
Cluster 6	6	25	2.8	3.7
Cluster 7	4	12	2.2	2.7
Cluster 8	1	34	2.8	8.3

CFS Cluster : BMCT Terminal

BMCT terminal for month of Nov'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	1.7	3.7
Cluster 2	6	13	2.1	4.5
Cluster 3	6	11	3.0	4.0
Cluster 4	1	13	2.0	5.1
Cluster 5	2	25	3.0	4.4
Cluster 6	6	25	2.6	5.0
Cluster 7	4	12	2.1	3.4
Cluster 8	1	34	3.7	10.9

JNPA Region: Destination-wise Dwell Time- Import

The below table 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 Nov'24

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Ankaleshwar	31.1	77.7	52.6	54.3	-	52.3
Banglore (KT)	-	-	72.2	-	-	72.2
Boisar	36.2	-	47.7	51.8	71.3	47.8
Dadri	35.8	-	43.1	56.5	82.0	43.3
Daulatabad	31.3	-	71.4	57.8	109.1	58.8
Dhannad Madhya Pradesh PGSP	-	52.5	-	-	-	52.5
Guhati	111.9	75.4	81.8	-	-	88.5
Indore	-	-	73.1	80.0	58.4	76.1
Jaipur	48.1	72.8	-	45.8	106.1	70.9
Kanpur	60.3	95.5	107.6	89.2	-	85.5
Khatuwas	131.9	48.0	-	-	-	58.4
Khodiyar	-	63.2	121.5	107.9	70.4	82.9
Ludhiana	51.7	51.8	-	100.7	60.1	51.7
Malanpur	75.7	18.9	86.1	110.0	-	53.0
Moradabad	53.0	53.3	-	88.1	-	50.1
Nagpur	56.3	-	-	36.4	90.9	54.7
Sanatnagar	42.6	-	30.9	47.3	-	40.7
Thimmapur	56.4	-	72.4	140.2	-	89.8
Tughlakabad	67.0	50.7	53.8	60.0	64.3	54.7

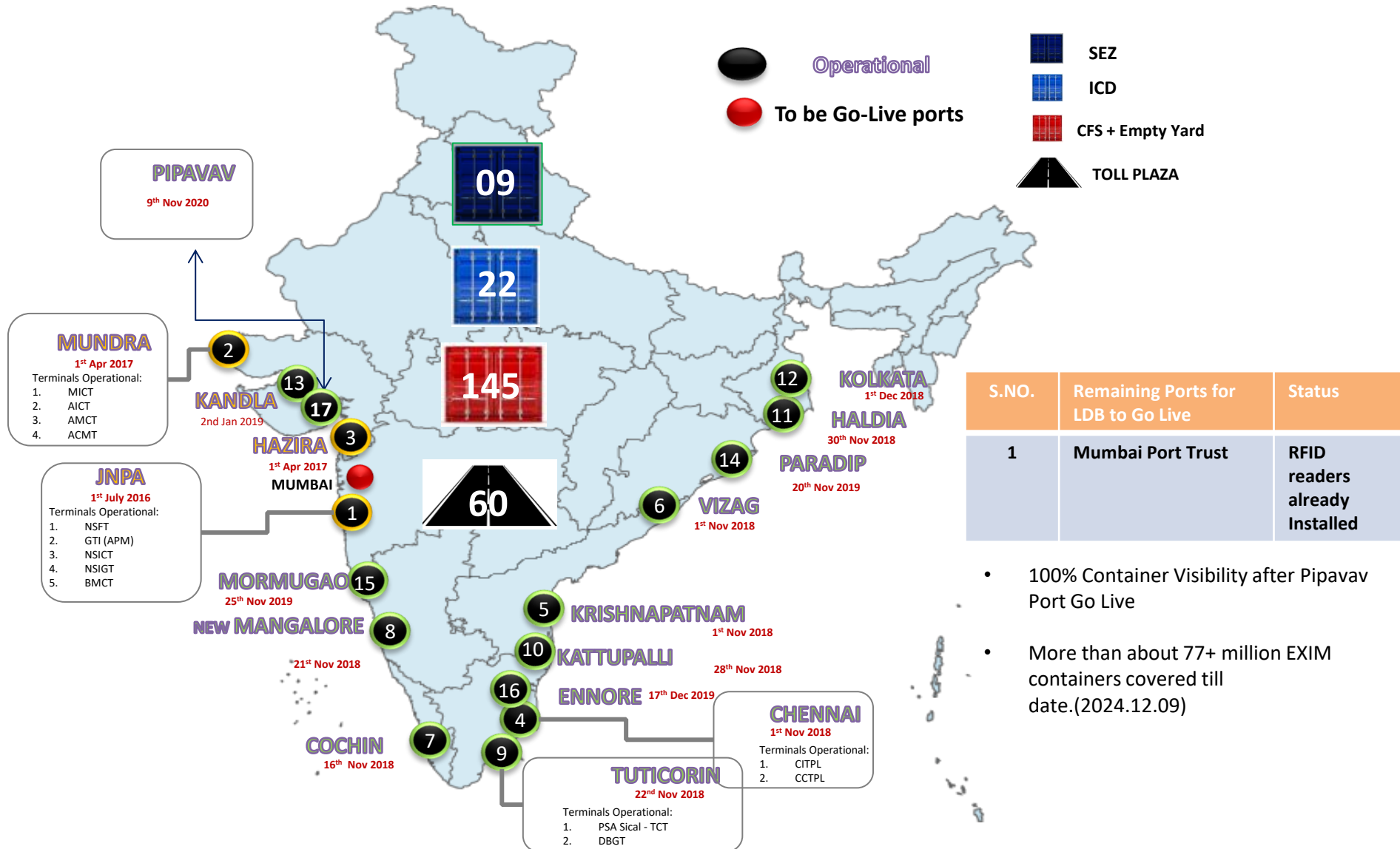
JNPA Region: Destination-wise Dwell Time- Import

The below table 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 Nov'24

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	11.8	-	-	13.7	13.8	12.4
Ameya Logistics CFS, Navi Mumbai	13.6	-	14.4	19.3	22.7	16.1
APM (Maersk India) CFS, Navi Mumbai	26.4	16.7	12.9	15.7	18.6	19.8
Apollo Logisolutions CFS, Panvel	7.5	13.4	7.5	9.6	14.4	10.1
Ashte Logistics CFS, Panvel	11.0	16.6	-	20.1	16.9	15.3
Balmer & Lawrie CFS, Navi Mumbai	13.0	17.4	13.6	13.0	12.7	14.3
Continental Warehousing CFS, Navi Mumbai	8.1	17.9	16.2	19.6	10.5	15.5
CWC Impex Park	11.9	16.2	15.3	21.2	19.2	15.0
Dronagiri Rail Terminal CFS, Navi Mumbai	10.8	19.2	15.6	22.1	-	14.5
EFC Logistics	24.8	29.8	23.7	29.2	35.5	28.9
Gateway Distriparks CFS, Navi Mumbai	11.8	16.5	12.7	15.3	16.3	14.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	12.9	14.3	13.5
JWC Logistics Park CFS	17.8	20.4	21.4	21.1	22.6	20.1
Kerry Indev Logistics Pvt Ltd CFS	-	-	12.3	11.4	10.6	11.7
Maharashtra State Corp CFS	15.6	25.0	13.1	23.2	-	21.6
Navkar Corporation	12.5	16.1	12.3	13.0	13.5	14.1
Ocean Gate CFS, Panvel	13.9	18.1	14.1	18.5	17.4	15.8
Sarveshwar Logistics	14.7	19.9	-	18.6	19.3	18.5
SBW Logistics CFS, Navi Mumbai	44.3	-	-	36.3	-	41.9
Seabird CFS, Navi Mumbai	18.4	-	23.5	24.5	25.5	21.4
Speedy Multimode CFS, JNPT	10.1	-	-	14.9	16.8	12.5
Take Care Logistics	13.2	17.7	12.9	25.5	19.0	16.9
TG Terminals	14.8	-	19.1	18.5	15.1	15.9
Vaishno Logistics CFS, Navi Mumbai	24.7	28.9	32.2	19.8	27.3	26.8

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

List of CFS names used in the Western CFS Performance Index

Ref. No.	Name	Ref. No.	Name
1	CWC Polaris logistics park	24	CWC Impex Park CFS, Navi Mumbai
2	Ameya Logistics CFS, Navi Mumbai	25	Transworld Terminals CFS, Mumbai
3	Punjab Conware CFS, Navi Mumbai	26	Navkar Corporation Yard 2 CFS, Panvel
4	Adani CFS Eximyard, Mundra	27	Mundhra CFS, Mundra
5	Gateway Distriparks CFS, Navi Mumbai	28	Kerry Indev Logistics CFS, Mumbai
6	Saurashtra CFS, Mundra	29	Landmark CFS, Mundra
7	CWC Conex Terminal CFS	30	Hind Terminal CFS, Hazira
8	Speedy Multimode CFS, JNPT	31	Rishi CFS, Mundra
9	EFC Logistics India	32	Hind Terminals Pvt. Ltd. CFS, Mundra
10	JWC Logistics Park CFS	33	International Cargo Terminal CFS
11	TG Terminals CFS, Mundra	34	Ashutosh CFS, Mundra
12	Ocean Gate CFS, Panvel	35	Maharashtra State Corp CFS
13	Seabird CFS, Navi Mumbai	36	Vaishno Logistics CFS, Navi Mumbai
14	Seabird CFS, Mundra	37	Transworld CFS, Mundra
15	Ashte Logistics CFS, Panvel	38	Navkar Corporation Yard 3 CFS, Panvel
16	Balmer & Lawrie CFS, Navi Mumbai	39	Honey Comb CFS, Mundra
17	CWC CFS, Mundra	40	Take Care Logistics CFS
18	Apollo Logisolutions CFS, Panvel	41	LCL Logistics CFS, Pipavav
19	Sarveshwar CFS	42	AllCargo Logistics CFS, Mumbai
20	MICT CFS, Mundra	43	Navkar Corporation Yard 1 CFS, Panvel
21	JWR CFS	44	APM (Maersk India) CFS, Navi Mumbai
22	International Cargo Terminals (ULA) CFS, Navi Mumbai	45	Seabird CFS, Hazira
23	AllCargo CFS, Mundra		

Methodology

Step 1

CFSs are divided into clusters based on their vicinity

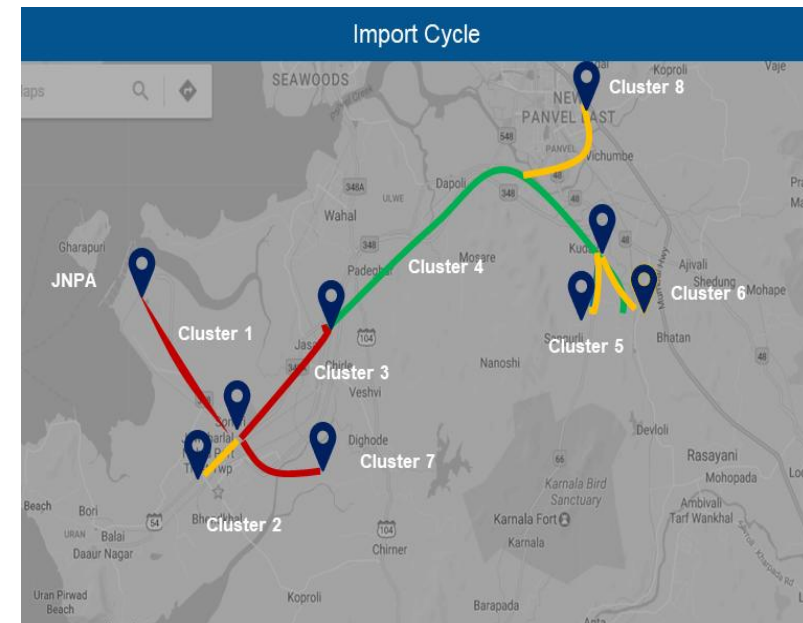
Step 2

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 Analysis

Congestion Level ■ High ■ Medium ■ Low



THANK YOU