Logistics Databank Analytics Report - JNPA

December 2024

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	13.7	19.5
NSICT	19.6	21.9
GTI	19.6	20.9
NSIGT	27.8	27.3
BMCT	16.4	17.6

Export Cycle		
Port	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	64.3	74.5
NSICT	65.9	56.3
GTI	76.4	81.4
NSIGT	85.3	93.5
BMCT	72.1	76.8

Critical Incident Summary
Jawaharlal Nehru Port Authority

- Overall container handling performance (Port Dwell Time) has improved in both import and export cycle. CFS dwell Time performance has improved in both import and export cycle. ICD dwell Time performance has improved in both import and 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
Dec'24	19.0 hrs ↓ 8.7%	74.0 hrs ↓ 5.0%	78.0 hrs ↓ 13.6%	67.3 hrs ↓ 0.1%	120.8 hrs ↓ 10.3%	105.2 hrs ↓ 4.7%
Nov'24	20.8 hrs	77.9 hrs	90.3 hrs	67.4 hrs	134.7 hrs	110.4 hrs

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

Container Transportation Performance: Western Corridor

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'24 (in hrs)		Nov'24 (in hrs)
Truck	19.3	▯	22.1
Train	76.1	▯	66.1
Overall	23.8	▯	27.1

CFS/ ICD Dwell Time

	Dec'24 (in hrs)		Nov'24 (in hrs)
CFS	85.3	▯	96.1
ICD	120.8	▯	134.7

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Dec'24 (in hrs)		Nov'24 (in hrs)
Truck	83.0		83.0
Train	106.2	▯	116.5
Overall	86.3	▯	87.7

CFS/ ICD Dwell Time

	Dec'24 (in hrs)		Nov'24 (in hrs)
CFS	62.3	▯	63.8
ICD	105.2	▯	110.4

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
Threshold value (in hours): 58.0

Y-Axis: No. of Boxes
Threshold value (no. of boxes): 50,948

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 Transportation: JNPA Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'24 (in hrs)		Nov'24 (in hrs)
Truck	15.9	↓	17.7
Train	92.3	↑	61.6
Overall	19.0	↓	20.8

Transit Time

	Dec'24 (in hrs)		Nov'24 (in hrs)
Port to CFS	2.4	↓	2.5
Port to ICD	103.3	↓	113.0

CFS/ ICD Dwell Time

	Dec'24 (in hrs)		Nov'24 (in hrs)
CFS	78.0	↓	90.3
ICD	120.8	↓	134.7

Volume distribution at port termina – Truck/Rail

	Truck	Rail
Import	82%	18%
Export	81%	19%

Container Lifecycle (Export Cycle)

EXPORT

	Dec'24 (in hrs)		Nov'24 (in hrs)
Truck	73.5	↓	76.5
Train	79.0	↓	89.2
Overall	74.0	↓	77.9

	Dec'24 (in hrs)		Nov'24 (in hrs)
CFS to Port	4.4	↑	3.9
ICD to Port	96.4	↑	84.6

	Dec'24 (in hrs)		Nov'24 (in hrs)
CFS	67.3	↓	67.4
ICD	105.2	↓	110.4

↓ ↑ Indicates decrease/ increase in time from last month

Container Transportation: JNPA Port Terminals

Import Cycle	Particulars		Dec'24 (in hrs)	Nov'24 (in hrs)
	Dwell Time	Overall Dwell Time	19.0	20.8
		Truck Bound Containers	15.9	17.7
		Train Bound Containers	92.3	61.6
		Direct Port Delivery (DPD) containers	17.4	22.7
		Containers bound for CFS	14.7	16.9
		Empty Containers	25.5	28.4
		Laden Containers	18.0	19.5
	Transit Time	Port to ICD	103.3	113.0
		Port to CFS	2.4	2.5

Export Cycle	Particulars		Dec'24 (in hrs)	Nov'24 (in hrs)
	Dwell Time	Overall Dwell Time	74.0	77.9
		Truck Bound Containers	73.5	76.5
		Train Bound Containers	79.0	89.2
		Direct Port Entry (DPE) containers	73.2	75.4
		Containers bound from CFS	73.2	74.6
		Empty Containers	71.8	77.0
		Laden Containers	75.2	78.5
	Transit Time	ICD to Port	96.4	84.6
		CFS to Port	4.4	3.9

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	Dec'24 (in hrs)	Nov'24 (in hrs)
Gate in - Gate Out	6.2	6.4

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

	Within 2 hrs	2-4 hrs	4-8 hrs	8-16 hrs	16-24 hrs	More than 24 hrs
Parking Plaza Dwell Time	8%	21%	34%	25%	8%	4%

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

Port Terminal	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	-	0.6
NSICT	-	1.4
GTI	-	2.3
NSIGT	-	1.2
BMCT	-	-

Container Count Percentage: Hour-wise (Dec'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	-	-	-	-	-	-
GTI	-	-	-	-	-	-
NSIGT	-	-	-	-	-	-
BMCT	-	-	-	-	-	-

CFS/ICD Performance Benchmarking & Performance Index

Performance Benchmarking

CFS: Western Corridor

Top Performing CFS

CWC Polaris Logistics park

High Potential CFS	Low Performing CFS
JWR CFS	Hind Terminal CFS, Hazira

Performance Index – Dec'24

X-Axis: Dwell Time **Y-Axis:** No. of Boxes

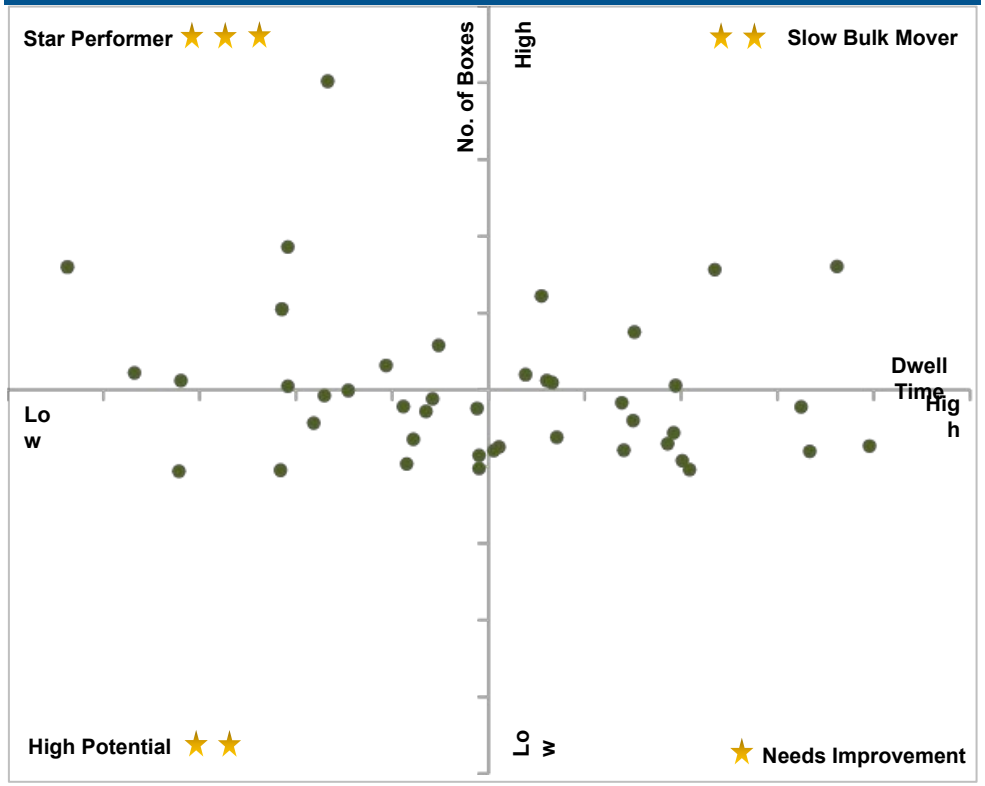
ICD: PAN India

Top Performing ICD

Dronagiri Rail Terminal CFS, Navi Mumbai

High Potential ICD	Low Performing ICD
MMLP PANTHNAGAR (SIDCUL-CONCOR)	MMLP TIHI

Performance Index – Dec'24



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 port (covered under LDB) for train and truck bound containers in import cycle.

PORT IMPORT via TRAIN (18% 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	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	49.0	51.4
NSICT	105.1	84.8
GTI	89.7	60.2
NSIGT	128.2	67.5
BMCT	68.0	54.5

Container Handled: Hour-wise (Dec'24)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	11%	38%	16%	9%	17%	9%
NSICT	6%	11%	12%	15%	25%	31%
GTI	7%	18%	14%	16%	28%	17%
NSIGT	3%	9%	9%	10%	31%	38%
BMCT	16%	19%	17%	12%	20%	16%

PORT IMPORT via TRUCK (82% 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	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	12.0	16.8
NSICT	16.9	19.1
GTI	17.0	18.6
NSIGT	19.9	20.7
BMCT	13.7	14.7

Container Handled: Hour-wise (Dec'24)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	84%	11%	2%	1%	2%	-
NSICT	70%	24%	3%	1%	2%	-
GTI	70%	24%	4%	1%	1%	-
NSIGT	60%	25%	10%	3%	1%	1%
BMCT	76%	19%	4%	1%	-	-

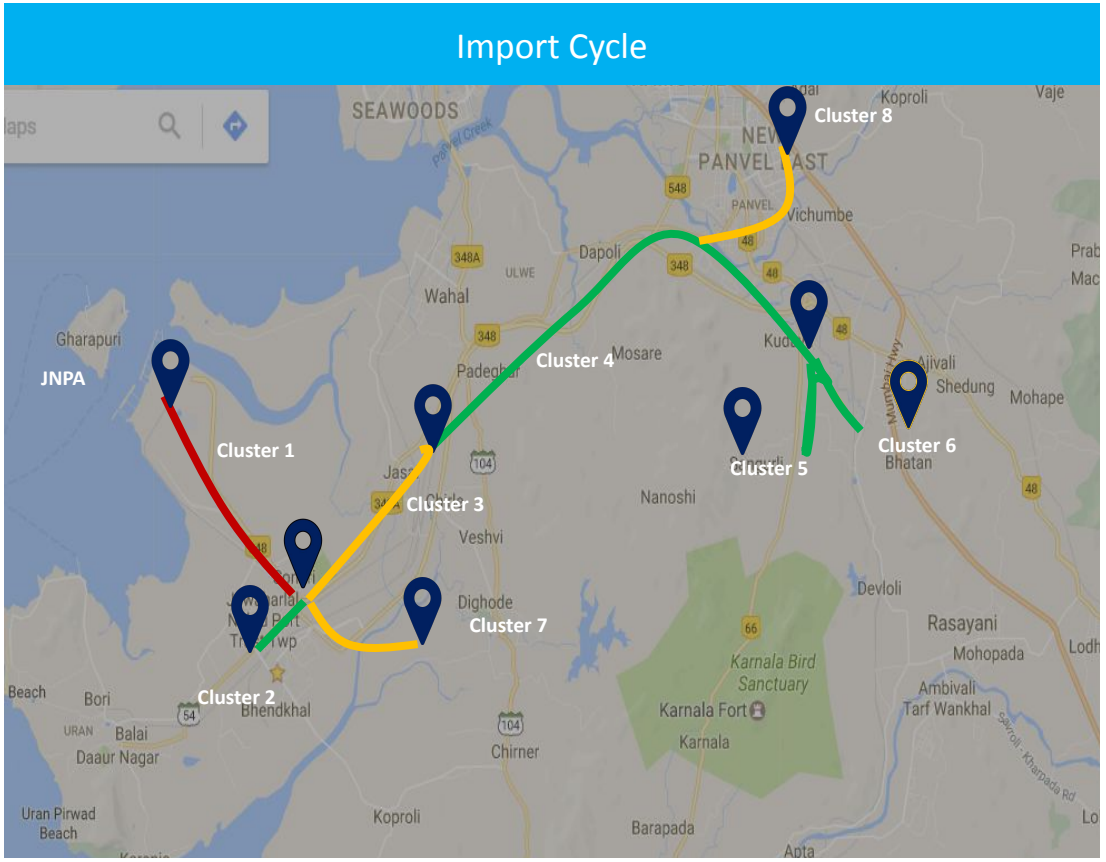
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below table depicts the detailed JNPA region port performance in the month of Dec'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	13.7	10.5	21.7	13.0
NSICT	45.0	15.8	22.6	18.8
GTI	36.7	16.2	24.0	19.2
NSIGT	57.9	17.7	40.2	24.1
BMCT	34.6	12.9	22.9	15.3

JNPA Region: Congestion Analysis (Import Cycle)

The below map indicates congestion around JNPA region in Import Cycle in month of Dec'24



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	7.58%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	26.68%	Low
Cluster 3	Sonari Area,JNPA Road	2	13.99%	Medium
Cluster 4	Chirle Area, JNPA Road	1	0.48%	Low
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	15.97%	Low
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	18.72%	Low
Cluster 7	Patilpada Area, Khopate JNPA Road	3	15.96%	Medium
Cluster 8	Taloja, Navi Mumbai	1	0.62%	Medium

Congestion Level — High — Medium — Low

JNPA Region Import Cycle: Container Movement

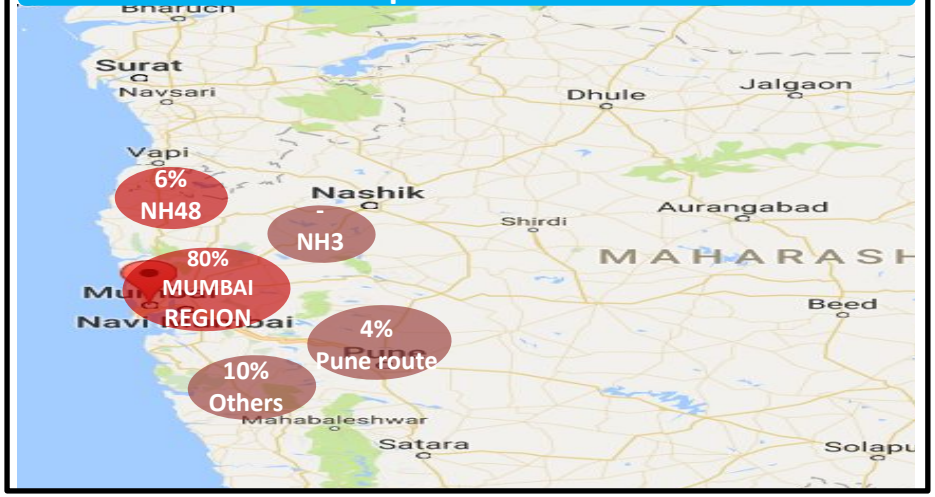
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Dec'24
Mumbai region	80%
NH3	-
Pune	4%
NH48	6%
Others	10%

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

Heat Map via Truck: Dec'24



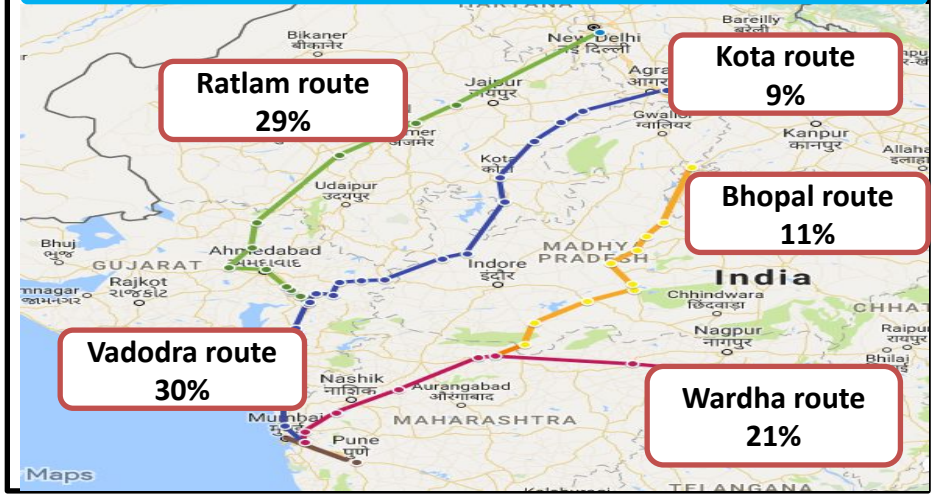
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Dec'24
Vadodra Route	30%
Ratlam Route	29%
Wardha Route	21%
Kota Route	9%
Bhopal Route	11%

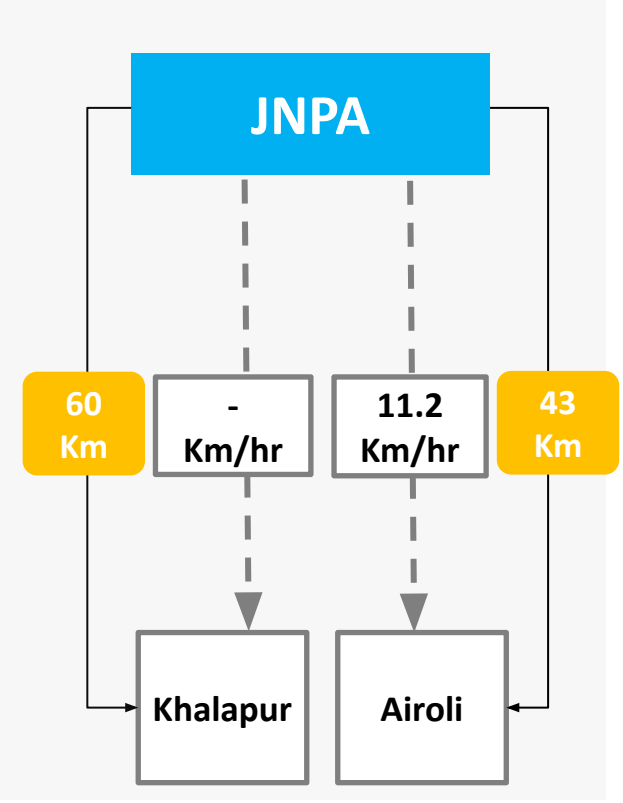
The map depicts the volume wise container movement through different railway routes in import cycle

Container movement via Rail – Dec'24



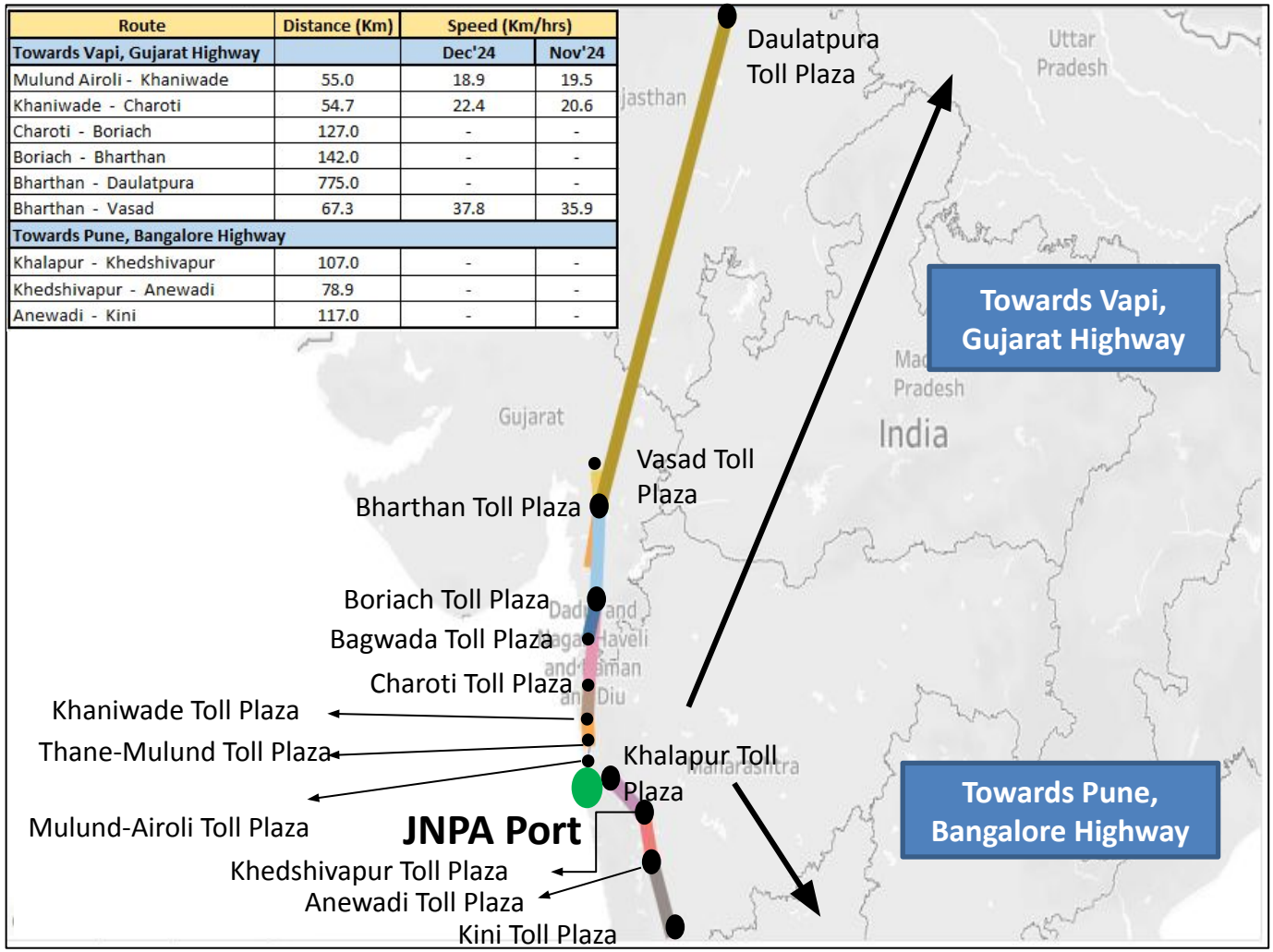
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (Km/hrs)	
Towards Vapi, Gujarat Highway		**Dec'24**	**Nov'24**
Mulund Airoli - Khaniwade	55.0	18.9	19.5
Khaniwade - Charoti	54.7	22.4	20.6
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	37.8	35.9
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 port dwell time performance at JNPA port (covered under LDB) for train and truck bound containers in export cycle.

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	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	38.3	72.2
NSICT	37.1	23.6
GTI	96.7	111.7
NSIGT	107.1	112.7
BMCT	89.7	100.3

Container Handled: Hour-wise (Dec'24)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	34%	22%	10%	7%	9%	18%
NSICT	39%	19%	13%	10%	11%	8%
GTI	3%	13%	18%	16%	23%	27%
NSIGT	2%	9%	15%	17%	27%	30%
BMCT	3%	13%	21%	18%	22%	23%

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	Dec'24 (in hrs)	Nov'24 (in hrs)
NSFT	66.8	74.7
NSICT	73.1	62.6
GTI	74.0	77.3
NSIGT	81.8	91.1
BMCT	70.4	74.2

Container Handled: Hour-wise (Dec'24)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	10%	19%	28%	25%	16%	2%
NSICT	5%	19%	25%	30%	20%	1%
GTI	3%	17%	28%	27%	24%	1%
NSIGT	3%	14%	22%	26%	30%	5%
BMCT	4%	19%	28%	26%	21%	2%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

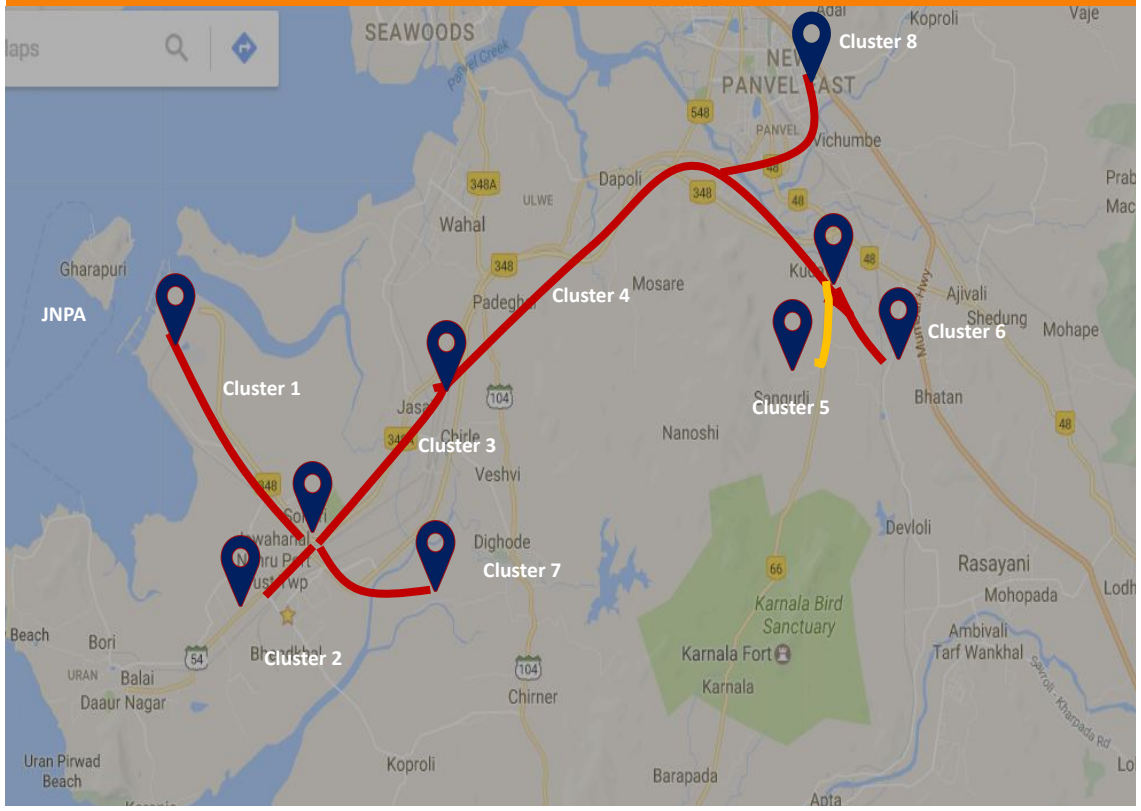
The below table depicts the detailed JNPA region port performance in the month of Dec'24

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	67.5	67.7	55.4	65.8
NSICT	67.4	73.7	80.2	62.2
GTI	74.4	75.5	69.8	79.7
NSIGT	79.8	75.8	90.1	84.3
BMCT	-	69.4	68.6	75.8

JNPA Region: Congestion Analysis (Export Cycle)

The below map indicates congestion around JNPA region in Import Cycle in month of Dec'24

Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	7.40%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	20.76%	High
Cluster 3	Sonari Area,JNPA Road	2	12.60%	High
Cluster 4	Chirle Area, JNPA Road	1	6.11%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	12.54%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	29.85%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	9.64%	High
Cluster 8	Taloja, Navi Mumbai	1	1.10%	High

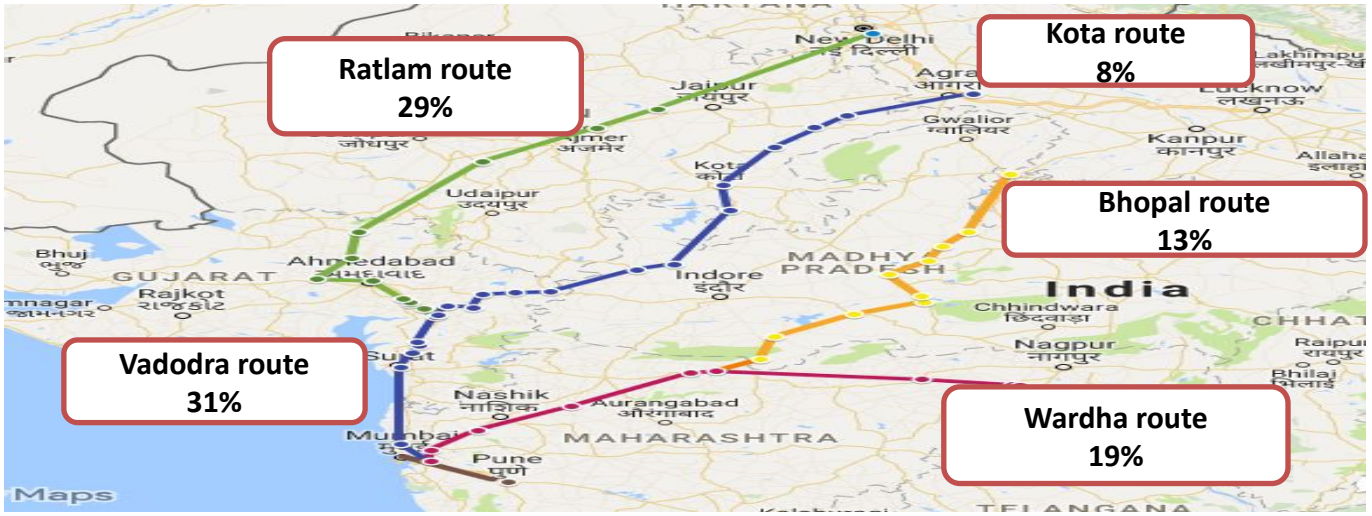
Congestion Level — High — Medium — Low

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	31%
Ratlam Route	29%
Wardha Route	19%
Kota Route	8%
Bhopal Route	13%

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

Container movement via Rail – Dec'24



CFS and ICD Performance

CFS Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

Below tables show the dwell time of the respective CFSs for Dec'24 and Nov'24

CFS Dwell Time (in hrs.)

CFS	Dec'24 (in hrs)	Nov'24 (in hrs)
AllCargo Logistics CFS,Mumbai	75.7	104.8
Ameya Logistics CFS, Navi Mumbai	76.1	92.7
APM (Maersk India) CFS, Navi Mumbai	89.4	90.6
Apollo Logisolutions CFS, Panvel	82.2	73.5
Ashte Logistics CFS, Panvel	75.8	81.1
Balmer & Lawrie CFS, Navi Mumbai	85.8	93.4
CWC Conex Terminal CFS	76.2	83.3
CWC Dronagiri CFS, Navi Mumbai	73.2	-
CWC Impex Park CFS, Navi Mumbai	61.5	80.9
CWC Polaris logistics park	61.5	87.4
EFC Logistics India	72.5	77.0
Gateway Distriparks CFS, Navi Mumbai	71.2	88.5
International Cargo Terminal CFS	75.5	78.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	74.6	80.9

CFS	Dec'24 (in hrs)	Nov'24 (in hrs)
JWC Logistics Park CFS	79.9	93.9
JWR CFS	56.8	54.1
Kerry Indev Logistics CFS,Mumbai	84.1	89.7
Maharashtra State Corp CFS	81.2	85.1
Navkar Corporation Yard 1 CFS, Panvel	71.0	77.8
Navkar Corporation Yard 2 CFS, Panvel	86.3	92.5
Navkar Corporation Yard 3 CFS, Panvel	95.2	101.9
Ocean Gate CFS, Panvel	78.5	83.1
Punjab Conware CFS, Navi Mumbai	87.3	89.9
Sarveshwar CFS	86.9	113.0
Seabird CFS, Navi Mumbai	76.6	85.7
Speedy Multimode CFS, JNPT	74.3	77.6
Take Care Logistics CFS	93.9	98.5
Transworld Terminals CFS,Mumbai	81.0	91.9
Vaishno Logistics CFS, Navi Mumbai	85.8	74.0

ICD Performance

Below tables show the dwell time of the respective ICDs for Dec'24 and Nov'24

ICD Dwell Time (in hrs.)

ICD	Dec'24 (in hrs)	Nov'24 (in hrs)
Adani ICD, Tumb	89.3	86.6
Adani Logistics Park ICD, Gurgaon	150.7	-
Albatross Inland Ports ICD, Dadri	130.7	132.3
Allcargo Logistics Park ICD, Dadri	148.3	133.2
APM Terminals ICD, Dadri	122.0	143.1
APM Terminals Inland Services ICD Bhamboli	89.1	116.6
CFS VALLARPADAM	140.5	140.8
CMA CGM Logistics Park, Dadri	121.2	131.9
CONCOR ICD, Dadri	57.0	57.1
CONCOR Kanakpura ICD, Jaipur	105.0	100.4
CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTVT-T)	74.1	74.0
Continental Warehousing Corporation Nhava Sheva Ltd ICD,Haryana	94.1	118.6
Dronagiri Rail Terminal CFS, Navi Mumbai	96.2	108.9
Gateway Rail Freight ICD, Gurgaon	108.1	-
Gateway Rail Freight ICD, Pyala	168.8	147.2
Gateway Rail ICD, Sahnewal	112.9	126.7
Hind Terminals Logistics Park ICD, Palwal	126.0	150.8
HTPL ICD Qilaraipur Ludhiana	172.9	207.3
ICD ANKLESHWAR	90.2	83.3
ICD BGKT, JODHPUR	95.7	99.4
ICD DAULATABAD	147.4	152.3

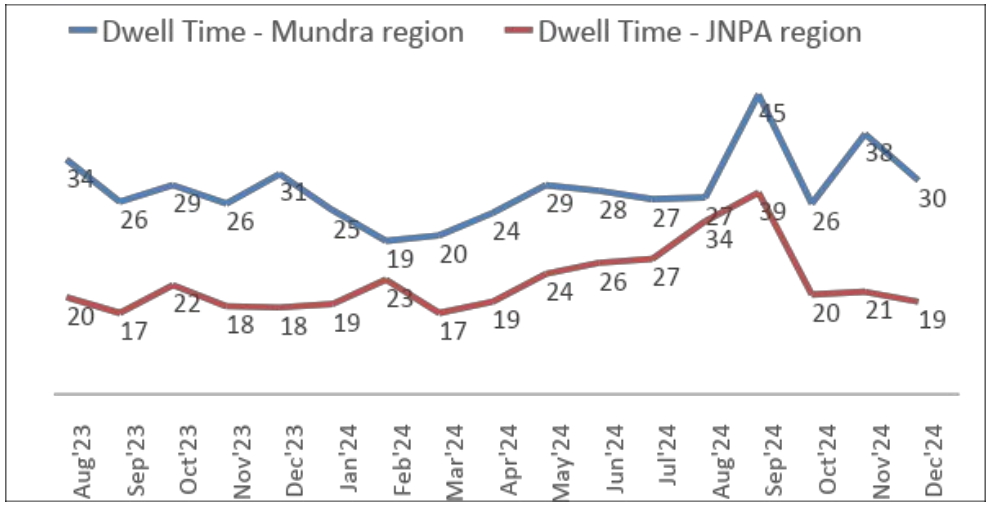
ICD	Dec'24 (in hrs)	Nov'24 (in hrs)
ICD DDL, LUDHIANA	67.1	69.0
ICD Jajpur (Jindal Stainless Ltd.)	119.0	126.5
ICD KANPUR	109.1	96.3
ICD KHODIYAR	90.2	105.1
ICD MAJHERHAT	140.8	-
ICD MANDIDEEP	142.2	129.0
ICD SANATHNAGAR	128.4	115.7
ICD WHITEFIELD	154.5	152.9
KLPL ICD, Kanpur	111.0	108.9
Kribhco ICD, Meerut	149.6	176.6
MMLP BALLI	119.0	111.0
MMLP BARHI	130.0	98.7
MMLP KHATUWAS	148.6	168.6
MMLP MIHAN	142.4	130.3
MMLP PANTHNAGAR (SIDCUL-CONCOR)	73.8	91.3
MMLP TIHI	177.8	221.5
MMLP VARNAMA	167.5	180.4
MMLP VISHAKAPATNAM	99.3	101.8
Pristine ICD Chawapail , Ludhiana	107.6	137.2
The Thar Dry Port ICD Ahmedabad	129.2	142.4
The Thar Dry Port Jodhpur	118.7	185.1
Vaishno Container Terminal-ICD Tarapur	112.0	92.4

Trend Analysis

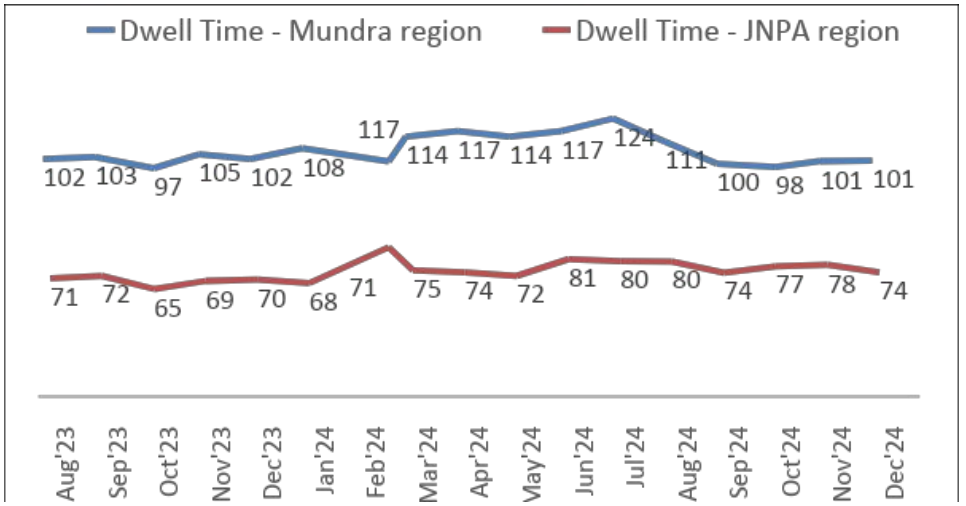
Western Corridor Port: Yearly Analysis

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

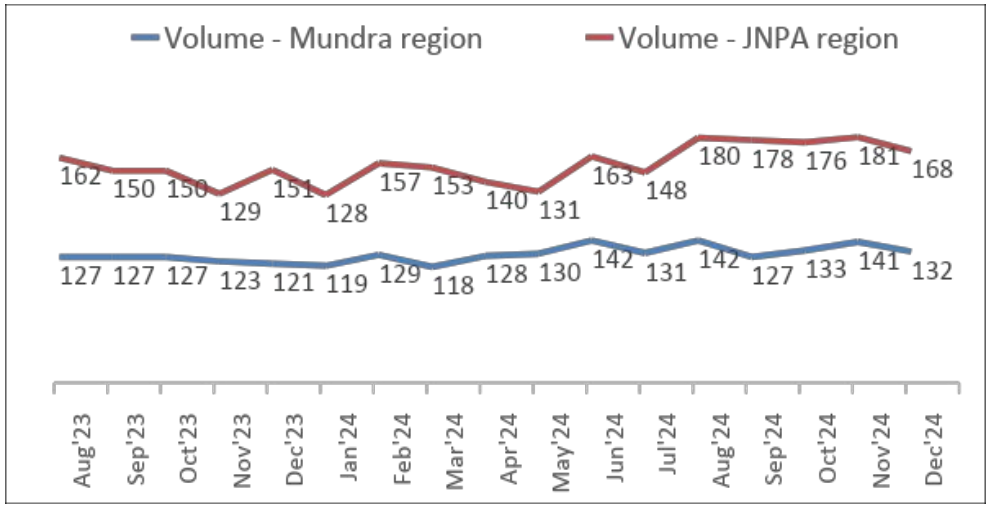
Import Dwell Time – Mundra Region Vs JNPA Region



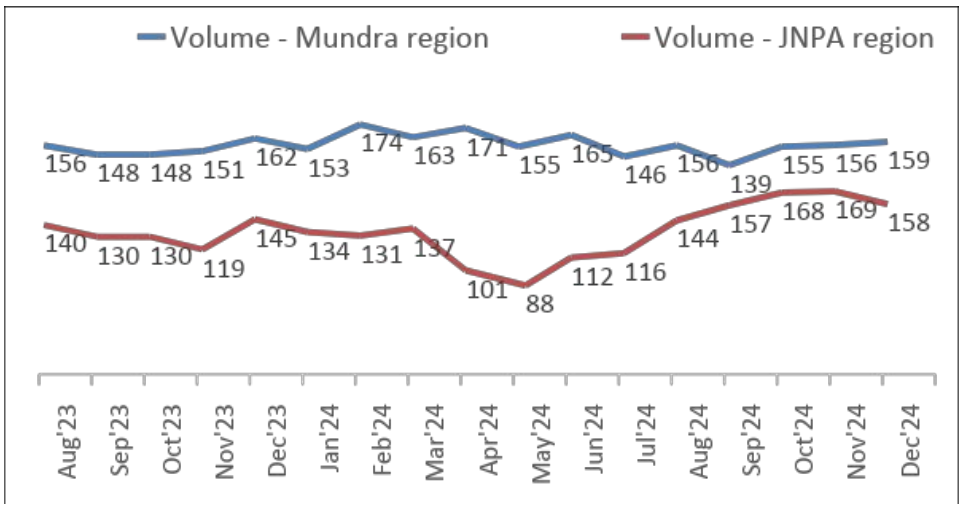
Export Dwell Time – Mundra Region Vs JNPA Region



Import Volume – Mundra Region Vs JNPA Region



Export Volume – Mundra Region Vs JNPA Region



JNPA Port Dwell Time Trend: Month on Month

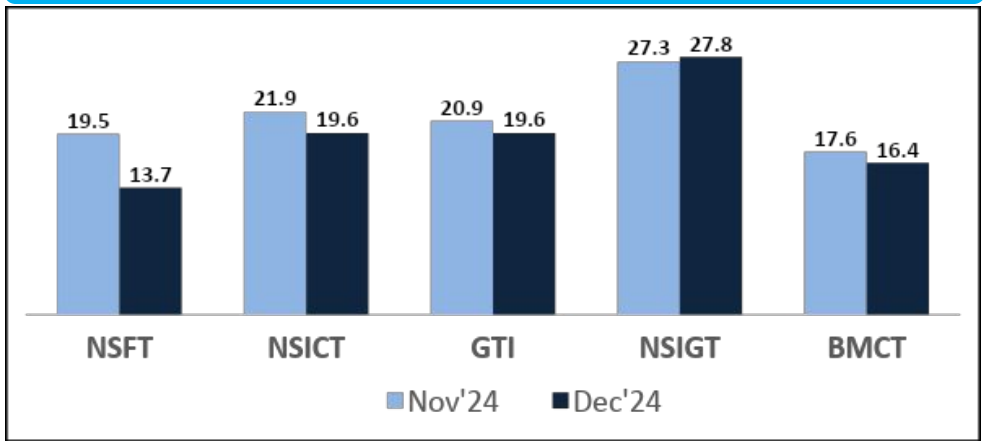
JNPA Port Dwell Time Trend :

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

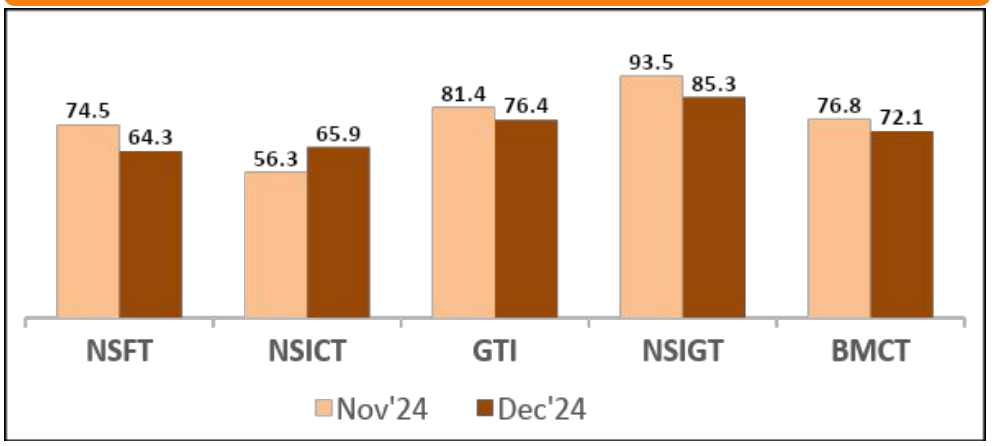
JNPA Region Dwell time: Overall (in hrs.)

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

JNPA Region Dwell time: Import Cycle (in hrs.)



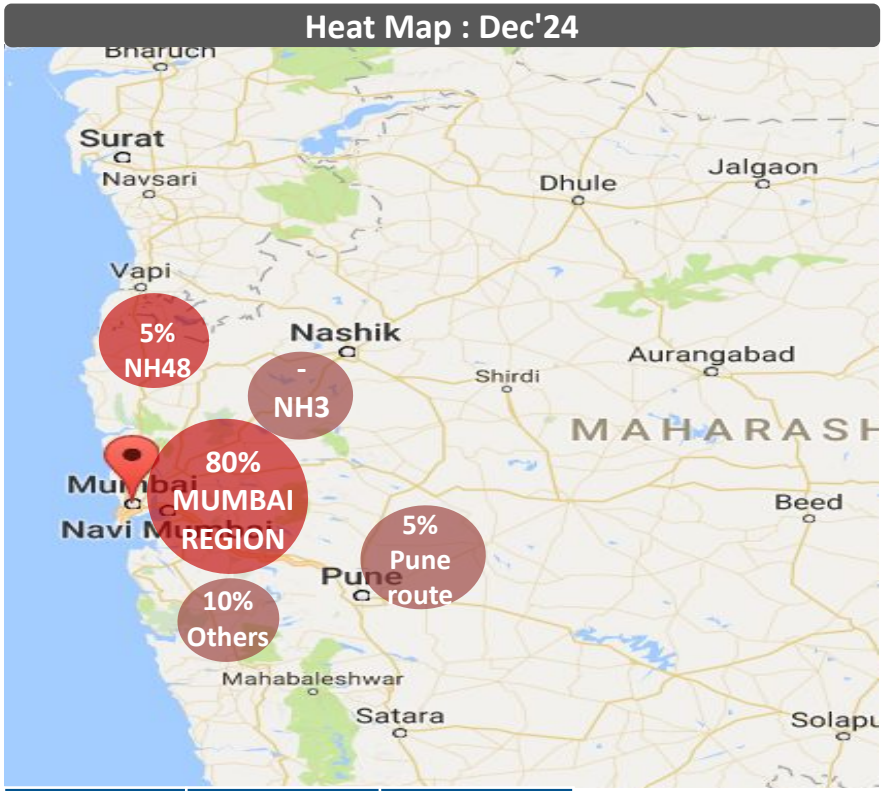
JNPA Region Dwell time: Export Cycle (in hrs.)



ANNEXURE

Container Movement Around JNPA Port Terminal Region Via Truck

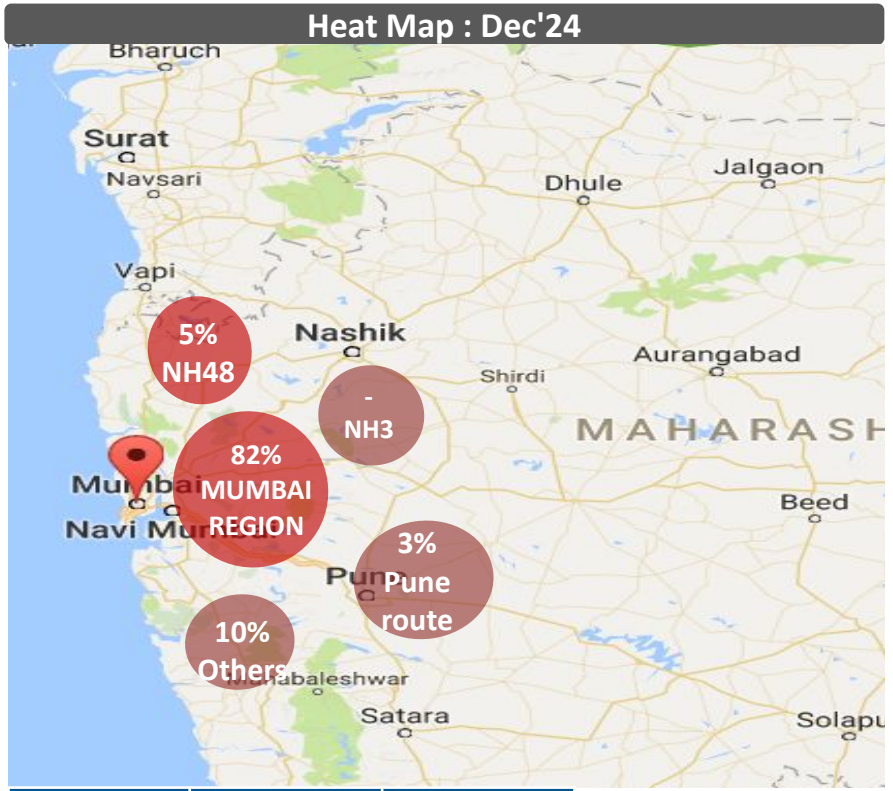
HEAT MAP : GTI Port Terminal



Region	Dec'24	Nov'24
Mumbai region	80%	80%
NH3	-	1%
Pune	5%	4%
NH48	5%	5%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

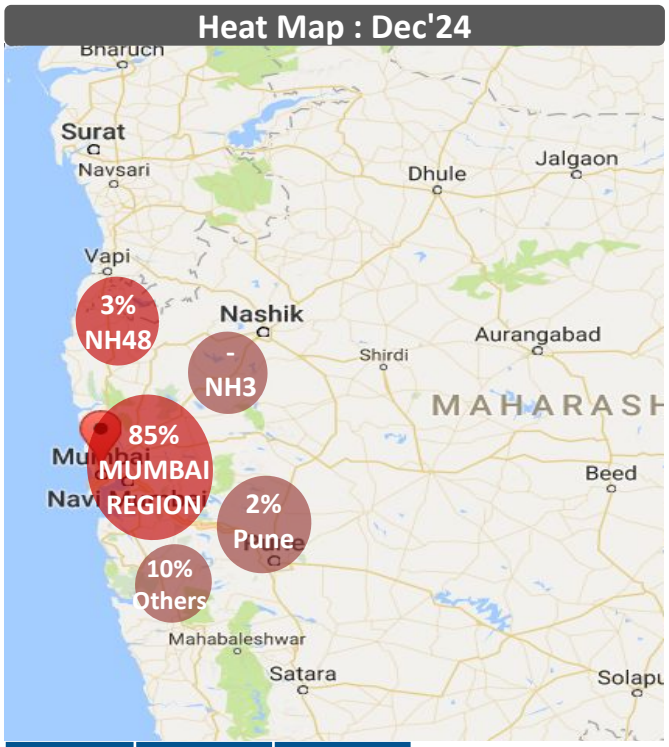


Region	Dec'24	Nov'24
Mumbai region	82%	87%
NH3	-	-
Pune	3%	1%
NH48	5%	2%
others	10%	10%

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

Container Movement Around JNPA Port Terminal Region Via Truck

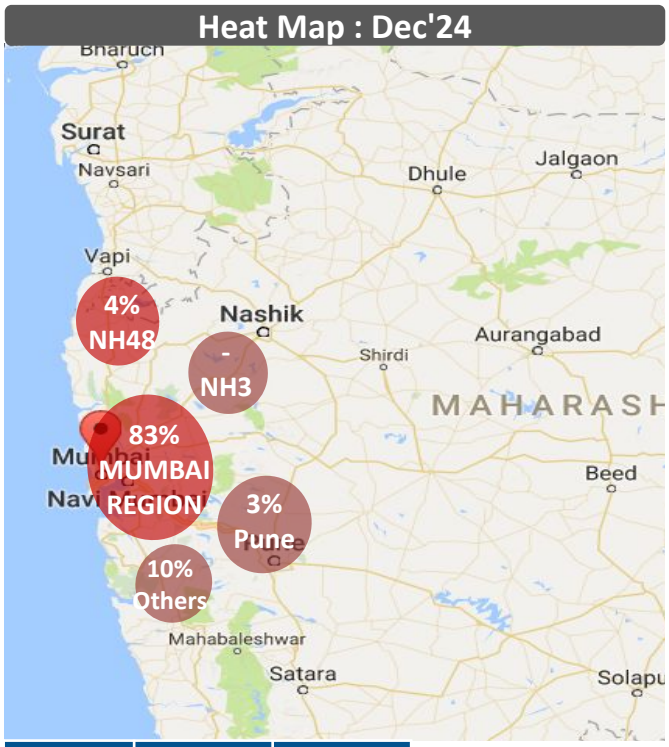
HEAT MAP : NSIGT Port Terminal



Region	Dec'24	Nov'24
Mumbai region	85%	89%
NH3	-	-
Pune	2%	-
NH48	3%	1%
others	10%	10%

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

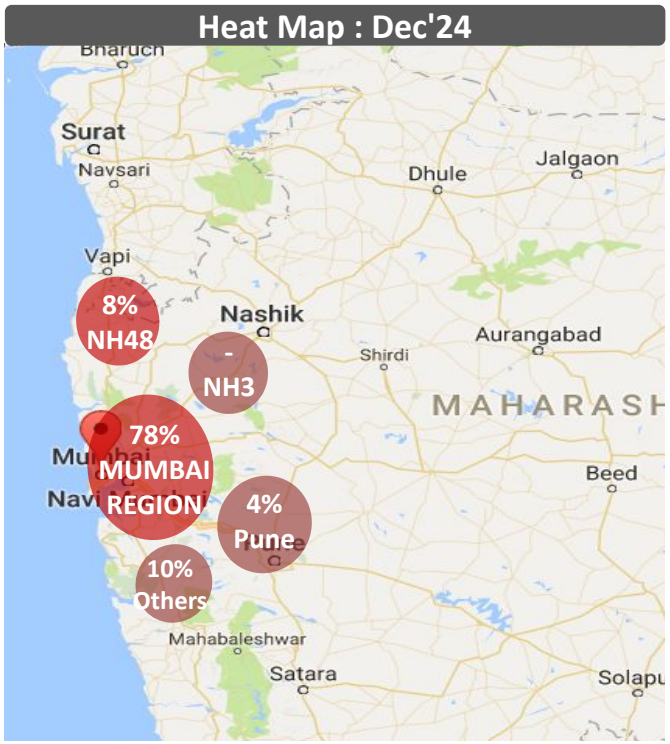
HEAT MAP : NSICT Port Terminal



Region	Dec'24	Nov'24
Mumbai region	83%	88%
NH3	-	-
Pune	3%	-
NH48	4%	2%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Dec'24	Nov'24
Mumbai region	78%	80%
NH3	-	1%
Pune	4%	3%
NH48	8%	6%
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) – Dec'24 (in hrs): Below table shows the delivery time in import cycle from the PORT terminals to CFSs

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics CFS,Mumbai	2.5	2.8	3.0	2.8	2.2
Ameya Logistics CFS, Navi Mumbai	2.3	2.5	2.4	2.5	2.1
APM (Maersk India) CFS, Navi Mumbai	2.4	2.4	2.5	2.3	2.4
Apollo Logisolutions CFS, Panvel	3.4	3.5	3.4	3.6	3.3
Ashte Logistics CFS, Panvel	2.6	2.7	3.4	2.7	2.4
Balmer & Lawrie CFS, Navi Mumbai	1.8	2.2	2.5	2.1	2.0
CWC Conex Terminal CFS	2.6	2.1	4.5	2.5	1.7
CWC Dronagiri CFS, Navi Mumbai	1.6	2.4	2.7	1.4	1.8
CWC Impex Park CFS, Navi Mumbai	2.1	2.4	2.8	2.3	2.0
CWC Polaris logistics park	1.7	2.0	2.6	1.8	1.8
EFC Logistics India	1.8	2.4	2.8	2.0	1.9
Gateway Distriparks CFS, Navi Mumbai	2.8	2.7	2.8	2.0	2.1
International Cargo Terminal CFS	1.6	2.3	2.5	1.9	1.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.5	1.6	2.5	1.8	1.5
JWC Logistics Park CFS	2.0	2.6	3.7	2.4	2.1

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

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
JWR CFS	2.8	2.7	-	-	3.9
Kerry Indev Logistics CFS,Mumbai	5.0	3.1	4.9	3.1	2.9
Maersk Annex (APM)CFS, Navi Mumbai	1.5	1.6	3.9	1.7	1.6
Maharashtra State Corp CFS	2.5	2.1	3.5	2.6	1.8
Navkar Corporation Yard 1 CFS, Panvel	2.0	3.2	6.0	4.2	2.6
Navkar Corporation Yard 2 CFS, Panvel	3.0	2.8	3.6	2.5	2.7
Navkar Corporation Yard 3 CFS, Panvel	3.2	2.8	3.5	2.4	2.5
Ocean Gate CFS, Panvel	2.6	3.5	3.7	3.3	2.9
Punjab Conware CFS, Navi Mumbai	1.9	2.1	2.3	1.5	1.6
Sarveshwar CFS	4.2	3.2	3.5	2.4	2.4
SBW Logistics CFS, Navi Mumbai	4.1	4.8	5.0	5.2	5.2
Seabird CFS, Navi Mumbai	2.6	3.3	3.3	2.1	2.6
Speedy Multimode CFS, JNPT	1.5	1.7	1.9	2.1	1.5
Take Care Logistics CFS	3.4	3.1	2.9	3.2	2.9
Transworld Terminals CFS,Mumbai	1.7	1.6	2.1	1.5	1.3
Vaishno Logistics CFS, Navi Mumbai	1.8	2.1	2.3	2.2	1.7

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

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics CFS,Mumbai	2.6	4.3	3.0	3.4	6.2
Ameya Logistics CFS, Navi Mumbai	1.7	5.1	2.9	2.4	4.7
APM (Maersk India) CFS, Navi Mumbai	1.5	6.4	3.0	3.1	4.3
Apollo Logisolutions CFS, Panvel	4.3	7.5	4.6	7.4	5.5
Ashte Logistics CFS, Panvel	2.3	6.0	4.3	2.5	5.8
Balmer & Lawrie CFS, Navi Mumbai	4.0	5.9	6.5	2.7	4.3
CWC Conex Terminal CFS	2.1	4.3	4.3	2.5	4.6
CWC Dronagiri CFS, Navi Mumbai	2.5	4.7	2.5	2.5	5.3
CWC Impex Park CFS, Navi Mumbai	3.7	5.3	2.6	1.9	4.7
CWC Polaris logistics park	1.6	4.7	5.6	1.9	4.8
EFC Logistics India	2.0	8.9	4.7	2.8	5.9
Gateway Distriparks CFS, Navi Mumbai	2.5	5.9	3.6	1.7	5.6
International Cargo Terminal CFS	2.2	5.7	4.0	2.2	5.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.5	3.8	3.3	2.0	5.3
JWC Logistics Park CFS	1.7	5.0	3.3	3.0	5.6

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

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
JWR CFS	3.0	5.2	4.1	3.5	5.3
Kerry Indev Logistics CFS,Mumbai	2.6	6.5	3.5	7.1	5.5
Maersk Annex (APM)CFS, Navi Mumbai	-	-	3.4	4.1	-
Maharashtra State Corp CFS	2.3	6.9	4.3	4.0	5.4
Navkar Corporation Yard 1 CFS, Panvel	-	-	-	-	2.7
Navkar Corporation Yard 2 CFS, Panvel	3.3	5.7	4.6	6.7	6.6
Navkar Corporation Yard 3 CFS, Panvel	3.9	6.5	4.2	6.0	6.6
Ocean Gate CFS, Panvel	2.0	6.5	3.3	4.6	5.1
Punjab Conware CFS, Navi Mumbai	2.2	4.6	2.7	2.6	4.9
Sarveshwar CFS	3.5	7.8	5.1	4.0	5.6
SBW Logistics CFS, Navi Mumbai	6.3		9.4		8.4
Seabird CFS, Navi Mumbai	3.9	5.9	3.6	5.7	4.3
Speedy Multimode CFS, JNPT	1.9	3.7	4.0	2.1	4.6
Take Care Logistics CFS	5.5	7.3	2.9	2.6	6.2
Transworld Terminals CFS,Mumbai	1.4	6.2	2.0	2.4	4.8
Vaishno Logistics CFS, Navi Mumbai	3.2	8.5	4.6	2.2	4.3

JNPA Region: Cluster Analysis

Based on container movement between port and CFS in Mumbai region, all the CFSs have been grouped into 8 Clusters on the basis of their vicinity.
Below tables show all the clusters and the relevant data for GTI and NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Dec'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	3.7
Cluster 2	6	13	2.4	6.1
Cluster 3	6	11	2.8	5.1
Cluster 4	1	13	2.2	8.5
Cluster 5	2	25	3.1	6.5
Cluster 6	6	25	2.9	6.5
Cluster 7	4	12	2.5	5.1
Cluster 8	1	34	4.8	-

CFS Cluster : NSFT Terminal

NSFT terminal for month of Dec'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	1.9
Cluster 2	6	13	2.0	2.4
Cluster 3	6	11	2.3	3.1
Cluster 4	1	13	3.1	4.4
Cluster 5	2	25	2.3	1.9
Cluster 6	6	25	2.7	3.3
Cluster 7	4	12	2.3	1.8
Cluster 8	1	34	4.1	6.2

JNPA Region: Cluster Analysis

Based on container movement between port and CFS in Mumbai region, all the CFSs have been grouped into 8 Clusters on the basis of their vicinity.
Below tables show all the clusters and the relevant data for NSICT, NSIGT and BMCT terminal

CFS Cluster : NSICT Terminal

NSICT terminal for month of Dec'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	1.9	4.1
Cluster 2	6	13	2.6	4.1
Cluster 3	6	11	2.8	3.6
Cluster 4	1	13	2.3	4.6
Cluster 5	2	25	3.8	3.3
Cluster 6	6	25	3.6	4.5
Cluster 7	4	12	2.4	2.9
Cluster 8	1	34	5.0	9.5

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Dec'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	2.4
Cluster 2	6	13	2.0	2.3
Cluster 3	6	11	2.0	3.7
Cluster 4	1	13	2.2	2.3
Cluster 5	2	25	2.7	3.1
Cluster 6	6	25	2.8	5.2
Cluster 7	4	12	2.6	2.4
Cluster 8	1	34	5.1	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Dec'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	4.6
Cluster 2	6	13	1.9	4.6
Cluster 3	6	11	2.0	4.6
Cluster 4	1	13	1.7	4.3
Cluster 5	2	25	2.6	5.3
Cluster 6	6	25	2.7	5.8
Cluster 7	4	12	2.1	4.7
Cluster 8	1	34	5.2	8.4

JNPA Region: Destination-wise Dwell Time- Import

The below table depicts 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 Dec'24

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Ankaleshwar	33.2	46.6	102.2	42.2	-	38.7
Boisar	87.4	-	116.4	96.4	71.9	82.2
Dadri	61.3	-	72.7	117.3	133.5	66.2
Daulatabad	28.7	91.9	37.4	149.1	61.1	83.1
Faridabad	91.9	115.3	103.7	193.1	114.6	114.6
Guhati	188.9	212.3	121.4	219.9	156.5	204.5
Indore	64.3	-	94.7	131.6	96.9	109.8
Jaipur	26.8	52.7	57.8	53.7	69.4	54.6
Kanpur	70.1	81.1	80.8	109.3	93.6	80.7
Khatuwas	9.5	169.1	-	-	-	123.6
Khodiyar	153.8	92.5	133.7	143.6	48.6	100.5
Ludhiana	69.7	89.9	81.1	166.4	64.2	81.0
Malanpur	48.0	120.8	78.3	109.2	76.2	97.5
Mandideep	43.4	-	88.3	109.4	68.9	55.9
Moradabad	34.0	85.4	37.8	78.5	77.6	71.3
Nagpur	31.4	-	122.8	131.7	122.7	73.6
Navi Mumbai	42.2	30.9	44.8	36.6	-	34.7
Sanatnagar	62.0	-	77.5	104.3	-	88.7
Thimmapur	102.3	-	-	173.7	176.1	163.0
Tughlakabad	63.1	84.2	68.2	65.7	46.2	68.2

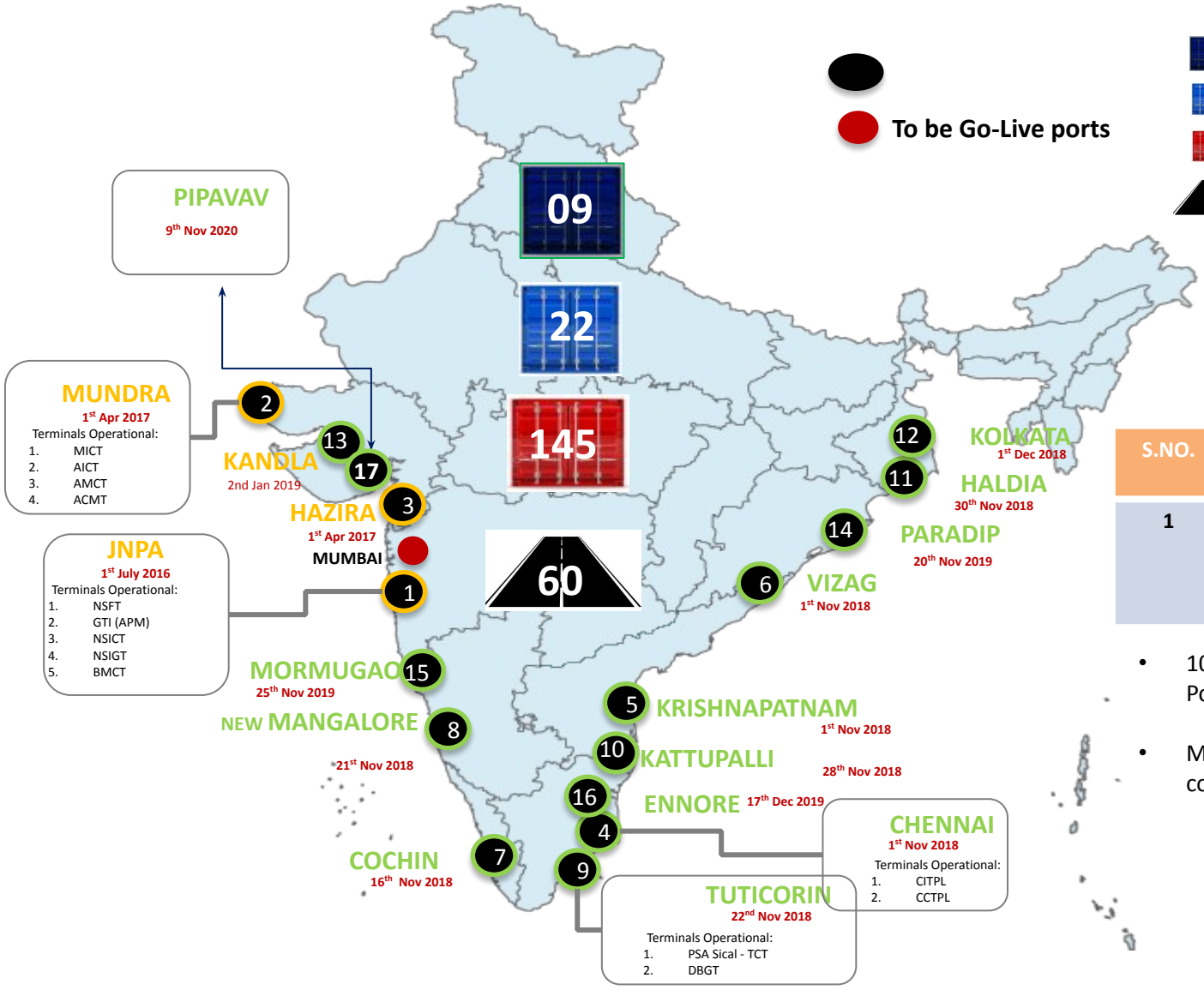
JNPA Region: Destination-wise Dwell Time- Import

The below table depicts 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 Dec'24

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	12.8	-	-	14.8	13.4	13.2
Ameya Logistics CFS, Navi Mumbai	15.5	-	12.2	18.9	22.6	17.3
APM (Maersk India) CFS, Navi Mumbai	19.0	15.4	9.2	13.7	19.6	17.2
Apollo Logisolutions CFS, Panvel	10.2	12.6	5.5	14.0	11.5	11.4
Ashte Logistics CFS, Panvel	10.1	13.0	-	14.9	14.8	12.4
Balmer & Lawrie CFS, Navi Mumbai	15.5	17.3	14.4	13.2	16.4	15.8
Continental Warehousing CFS, Navi Mumbai	12.6	17.0	10.2	16.9	14.8	15.6
CWC Impex Park	11.7	15.6	13.3	22.7	20.4	14.5
Dronagiri Rail Terminal CFS, Navi Mumbai	10.8	17.9	11.2	19.5	-	12.8
EFC Logistics	11.8	17.2	10.7	18.3	17.4	15.4
Gateway Distriparks CFS, Navi Mumbai	13.7	16.8	11.1	15.6	17.6	15.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	16.7	17.4	17.0
JWC Logistics Park CFS	12.2	14.9	11.9	13.8	13.1	13.5
Kerry Indev Logistics Pvt Ltd CFS	-	-	11.2	16.5	11.8	12.1
Maharashtra State Corp CFS	16.2	21.9	15.0	22.0	23.3	20.2
Navkar Corporation	15.3	15.8	13.3	24.0	15.8	15.9
Ocean Gate CFS, Panvel	12.0	15.8	10.2	17.0	15.1	13.9
Sarveshwar Logistics	11.4	15.6	-	18.1	18.1	14.8
SBW Logistics CFS, Navi Mumbai	30.9	-	17.4	34.5	-	25.3
Seabird CFS, Navi Mumbai	12.1	-	12.6	24.8	20.0	14.4
Speedy Multimode CFS, JNPT	10.1	-	-	16.0	17.6	12.9
Take Care Logistics	10.6	17.3	11.1	18.3	16.3	15.0
TG Terminals	11.6	-	10.2	21.5	11.7	12.4
Vaishno Logistics CFS, Navi Mumbai	23.6	30.6	35.0	21.8	29.3	26.9

LDB Operations Snapshot (1/2)



S.NO.	Remaining Ports for LDB to Go Live	Status
1	Mumbai Port Trust	RFID readers already Installed

- 100% Container Visibility after Pipavav Port Go Live
- More than about 78+ million EXIM containers covered till date.(2025.01.13)

LDB Operations Snapshot (2/2)

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	CWC Polaris logistics park	24	Rishi CFS, Mundra
2	Saurashtra CFS, Mundra	25	Balmer & Lawrie CFS, Navi Mumbai
3	Adani CFS Eximyard, Mundra	26	Ashte Logistics CFS, Panvel
4	Ameya Logistics CFS, Navi Mumbai	27	Transworld CFS, Mundra
5	CWC Conex Terminal CFS	28	Navkar Corporation Yard 2 CFS, Panvel
6	Punjab Conware CFS, Navi Mumbai	29	International Cargo Terminal CFS
7	Speedy Multimode CFS, JNPT	30	Ashutosh CFS, Mundra
8	TG Terminals CFS, Mundra	31	Apollo Logisolutions CFS, Panvel
9	EFC Logistics India	32	Maharashtra State Corp CFS
10	CWC CFS, Mundra	33	Seabird CFS, Navi Mumbai
11	MICT CFS, Mundra	34	Hind Terminals Pvt. Ltd. CFS, Mundra
12	Seabird CFS, Mundra	35	Honey Comb CFS, Mundra
13	Mundhra CFS, Mundra	36	Kerry Indev Logistics CFS,Mumbai
14	Landmark CFS, Mundra	37	Contrans Logistic CFS, Pipavav
15	CWC Dronagiri CFS, Navi Mumbai	38	Hind Terminal CFS, Hazira
16	JWC Logistics Park CFS	39	Transworld Terminals CFS,Mumbai
17	International Cargo Terminals (ULA) CFS, Navi Mumbai	40	LCL Logistics CFS, Pipavav
18	CWC Impex Park CFS, Navi Mumbai	41	Vaishno Logistics CFS, Navi Mumbai
19	Gateway Distriparks CFS, Navi Mumbai	42	Navkar Corporation Yard 3 CFS, Panvel
20	AllCargo CFS, Mundra	43	Navkar Corporation Yard 1 CFS, Panvel
21	Sarveshwar CFS	44	AllCargo Logistics CFS,Mumbai
22	Ocean Gate CFS, Panvel	45	Take Care Logistics CFS
23	JWR CFS	46	APM (Maersk India) CFS, Navi Mumbai

Annexure: Congestion Analysis & Methodology

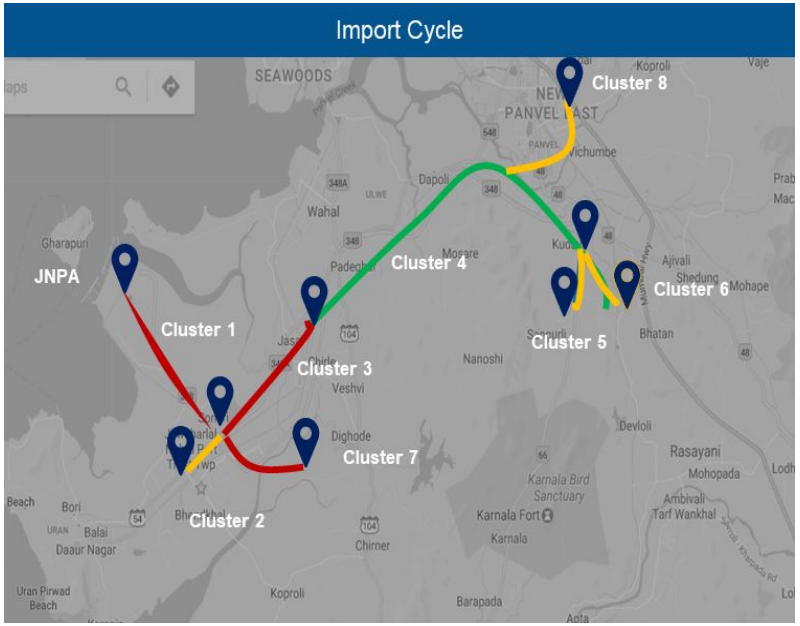
Methodology

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