Logistics Data Bank (LDB) Analytics Report – JNPA

December 2025

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Index

Overall Analysis

Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	31.2	31.9
NSICT	30.2	34.9
GTI	30.3	25.7
NSIGT	34.6	32.4
BMCT	23.5	24.7
NSDT	37.5	34.4

Export Cycle		
Port Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	73.8	68.1
NSICT	62.1	59.6
GTI	73.6	72.1
NSIGT	78.0	67.6
BMCT	76.8	72.9
NSDT	63.6	34.1

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 improved in import cycle and has declined in export cycle. ICD dwell 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'25	28.5 hrs ↑	73.4 hrs ↑	90.4 hrs ↓	63.4 hrs ↑	142.2 hrs ↓	108.8 hrs ↓
Nov'25	28.3 hrs *0.7%*	68.8 hrs *6.7%*	98.7 hrs *8.4%*	58.0 hrs *9.3%*	172.2 hrs *17.4%*	112.2 hrs *3.0%*

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

Container Transportation Performance: Western Corridor

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'25 (in hrs)		Nov'25 (in hrs)
Truck	23.2	↓	25.7
Train	84.7	↑	80.0
Overall	28.4	↓	30.8

CFS/ ICD Dwell Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
CFS	94.4	↓	103.2
ICD	142.2	↓	172.2

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Dec'25 (in hrs)		Nov'25 (in hrs)
Truck	83.6	↑	76.7
Train	106.8	↑	106.2
Overall	86.1	↑	80.3

CFS/ ICD Dwell Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
CFS	60.7	↑	57.6
ICD	108.8	↓	112.2

↓ ↑ 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)
N	NSDT Terminal

X-Axis: Dwell Time
Threshold value (in hours): 62.3

Y-Axis: No. of Boxes
Threshold value (no. of boxes): 52,042

Star Performer ★★★
Entities with high container count and low dwell time

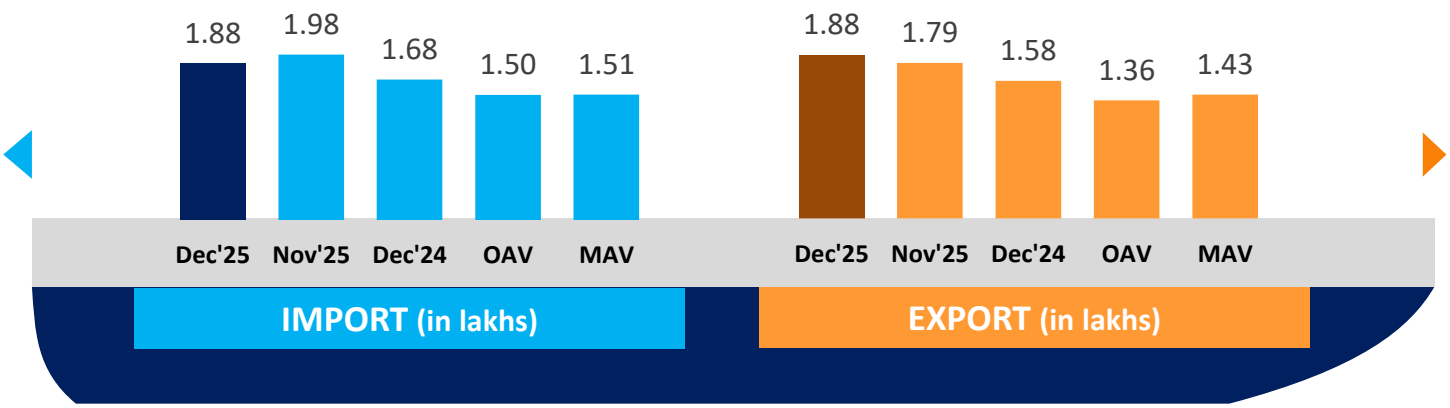
High Potential ★★
Entities with low container count and low dwell time

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

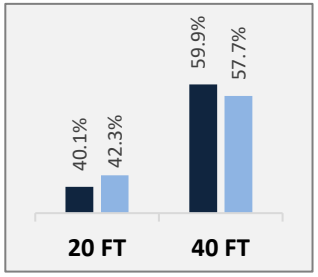
Needs Improvement ★
Entities with low container count and high dwell time

Container Count (No. of boxes): JNPA Port Terminals

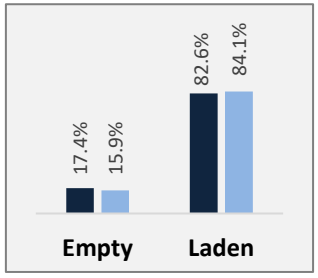
Jawaharlal Nehru Port Authority



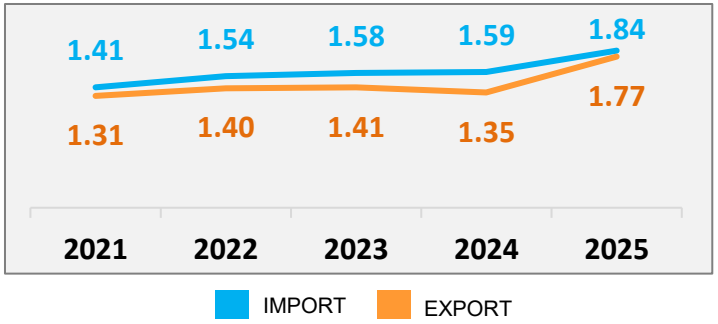
Container Size-wise (Import)



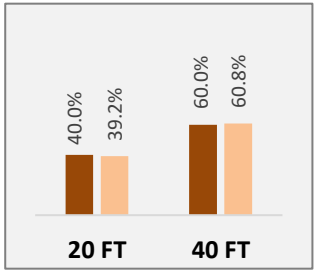
Container Type-wise (Import)



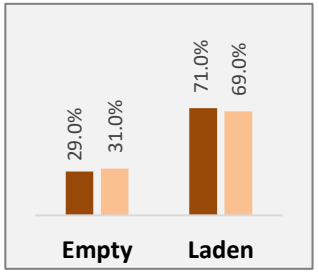
Container Count - Annual Average (in lakhs/ month)



Container Size-wise (Export)



Container Type-wise (Export)

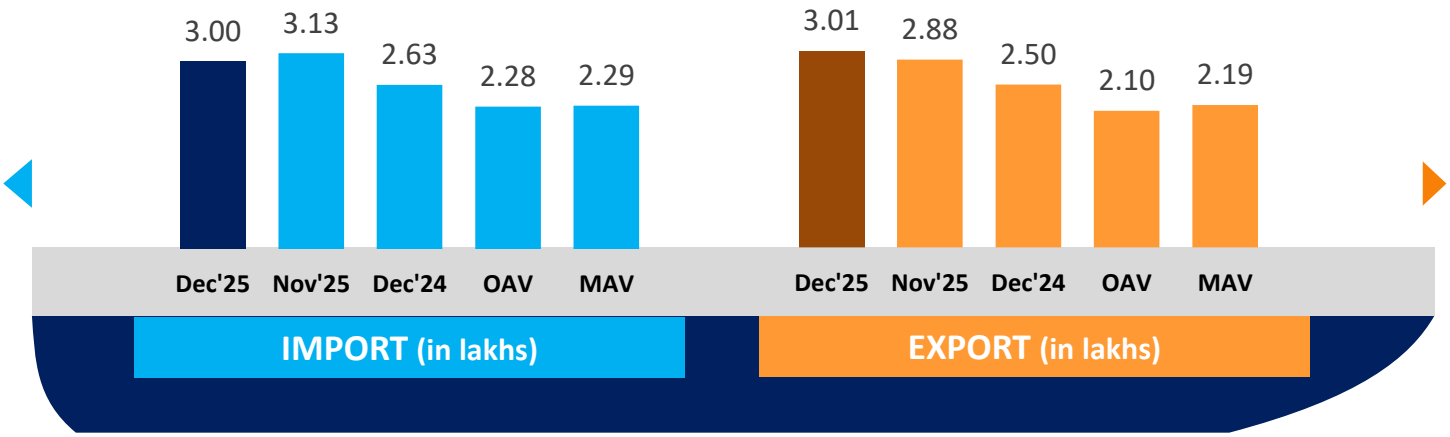


OAV – Overall Avg Volume
MAV – Monthly Avg Volume

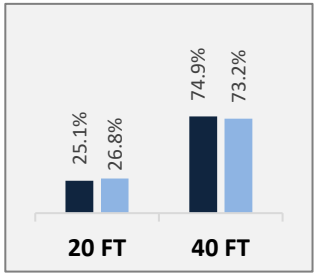
Note: All above figures are in no. of boxes

Container Volume (TEUs): JNPA Port Terminals

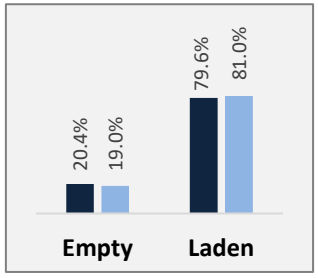
Jawaharlal Nehru Port Authority



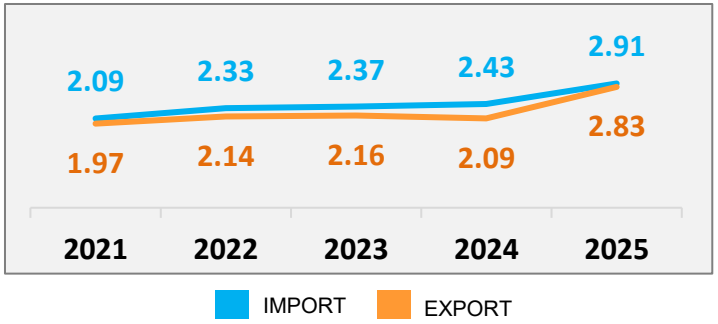
Container Size-wise (Import)



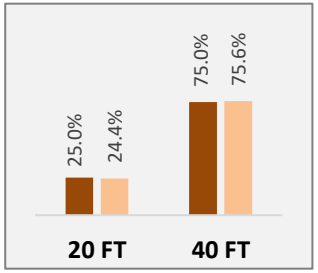
Container Type-wise (Import)



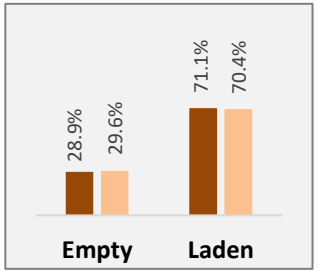
Container Volume (TEUs) - Annual Average (in lakhs/ month)



Container Size-wise (Export)



Container Type-wise (Export)



OAV – Overall Avg Volume
MAV – Monthly Avg Volume

Note: All above figures are in TEUs

Container Transportation: JNPA Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Dec'25 (in hrs)		Nov'25 (in hrs)
Truck	24.4	↓	24.9
Train	109.1	↑	77.3
Overall	28.5	↑	28.3

Transit Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
Port to CFS	2.6	↓	2.9
Port to ICD	115.1	↑	114.1

CFS/ ICD Dwell Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
CFS	90.4	↓	98.7
ICD	142.2	↓	172.2

Volume distribution at port terminal – Truck/Train

	Truck	Train
Import	84%	16%
Export	84%	16%

CFS/ ICD Dwell Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
CFS	63.4	↑	58.0
ICD	108.8	↓	112.2

Transit Time

	Dec'25 (in hrs)		Nov'25 (in hrs)
CFS to Port	5.0	↑	4.1
ICD to Port	92.0	↑	81.7

Port Dwell Time

EXPORT

	Dec'25 (in hrs)		Nov'25 (in hrs)
Truck	71.9	↑	67.0
Train	87.7	↑	86.4
Overall	73.4	↑	68.8

Container Lifecycle (Export Cycle)

↓ ↑ Indicates decrease/ increase in time from last month

Container Transportation: JNPA Port Terminals

Import Cycle	Particulars		Dec'25 (in hrs)	Nov'25 (in hrs)
	Dwell Time	Overall Dwell Time	28.5	28.3
		Truck Bound Containers	24.4	24.9
		Train Bound Containers	109.1	77.3
		Direct Port Delivery (DPD) containers	25.8	27.2
		Containers bound for CFS	22.5	24.1
		Empty Containers	49.4	39.7
		Laden Containers	25.3	26.4
	Transit Time	Port to ICD	115.1	114.1
		Port to CFS	2.6	2.9

Export Cycle	Particulars		Dec'25 (in hrs)	Nov'25 (in hrs)
	Dwell Time	Overall Dwell Time	73.4	68.8
		Truck Bound Containers	71.9	67.0
		Train Bound Containers	87.7	86.4
		Direct Port Entry (DPE) containers	72.5	66.8
		Containers bound from CFS	68.4	65.8
		Empty Containers	75.7	70.9
		Laden Containers	72.3	67.8
	Transit Time	ICD to Port	92.0	81.7
		CFS to Port	5.0	4.1

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'25 (in hrs)	Nov'25 (in hrs)
Gate in - Gate Out	5.5	5.0

Container Count Percentage: Hour-wise (Dec'25)

	Within 2 hrs	2-4 hrs	4-8 hrs	8-16 hrs	16-24 hrs	More than 24 hrs
Parking Plaza Dwell Time	12%	24%	30%	22%	8%	4%

Parking Plaza to JNPA Port	Dec'25 (in hrs)	Nov'25 (in hrs)
Gate Out – Terminal In	2.5	2.1

Port Terminal	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	4.4	1.5
NSICT	1.9	3.4
GTI	1.8	1.6
NSIGT	1.7	1.5
BMCT	3.8	3.0
NSDT	1.3	1.0

Container Count Percentage: Hour-wise (Dec'25)

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	15%	11%	12%	8%	10%	44%
NSICT	36%	17%	12%	12%	10%	13%
GTI	32%	23%	21%	10%	4%	10%
NSIGT	39%	15%	8%	7%	8%	23%
BMCT	4%	20%	16%	13%	10%	37%
NSDT	36%	31%	12%	7%	2%	12%

CFS/ICD Performance Benchmarking & Performance Index

CFS: Western Corridor

Top Performing CFS

JWR CFS

High Potential CFS	Low Performing CFS
Vaishno Logistics CFS, Navi Mumbai	Adani CFS, Hazira

Performance Index – Dec'25

X-Axis: Dwell Time

Y-Axis: No. of Boxes

Performance Benchmarking

ICD: PAN India

Top Performing ICD

Dronagiri Rail Terminal CFS, Navi Mumbai

High Potential ICD	Low Performing ICD
Hind Terminals Logistics Park ICD, Palwal	MMLP TIHI

Performance Index – Dec'25

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
(16% 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 Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	118.4	84.6
NSICT	115.6	46.3
GTI	87.2	72.2
NSIGT	130.8	69.0
BMCT	109.9	97.0
NSDT	-	-

Container Handled: Hour-wise (Dec'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	7%	9%	8%	12%	29%	35%
NSICT	13%	14%	8%	7%	24%	34%
GTI	13%	14%	16%	10%	20%	27%
NSIGT	8%	9%	9%	10%	17%	47%
BMCT	8%	14%	11%	12%	26%	29%
NSDT	-	-	-	-	-	-

PORT IMPORT via TRUCK
(84% 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 Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	27.6	27.8
NSICT	27.5	34.3
GTI	25.9	22.4
NSIGT	29.2	30.0
BMCT	19.5	20.7
NSDT	37.5	34.4

Container Handled: Hour-wise (Dec'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	43%	29%	11%	6%	6%	5%
NSICT	43%	32%	12%	5%	5%	3%
GTI	47%	29%	12%	6%	5%	1%
NSIGT	42%	30%	12%	7%	8%	1%
BMCT	60%	26%	10%	3%	1%	-
NSDT	16%	52%	15%	5%	6%	6%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

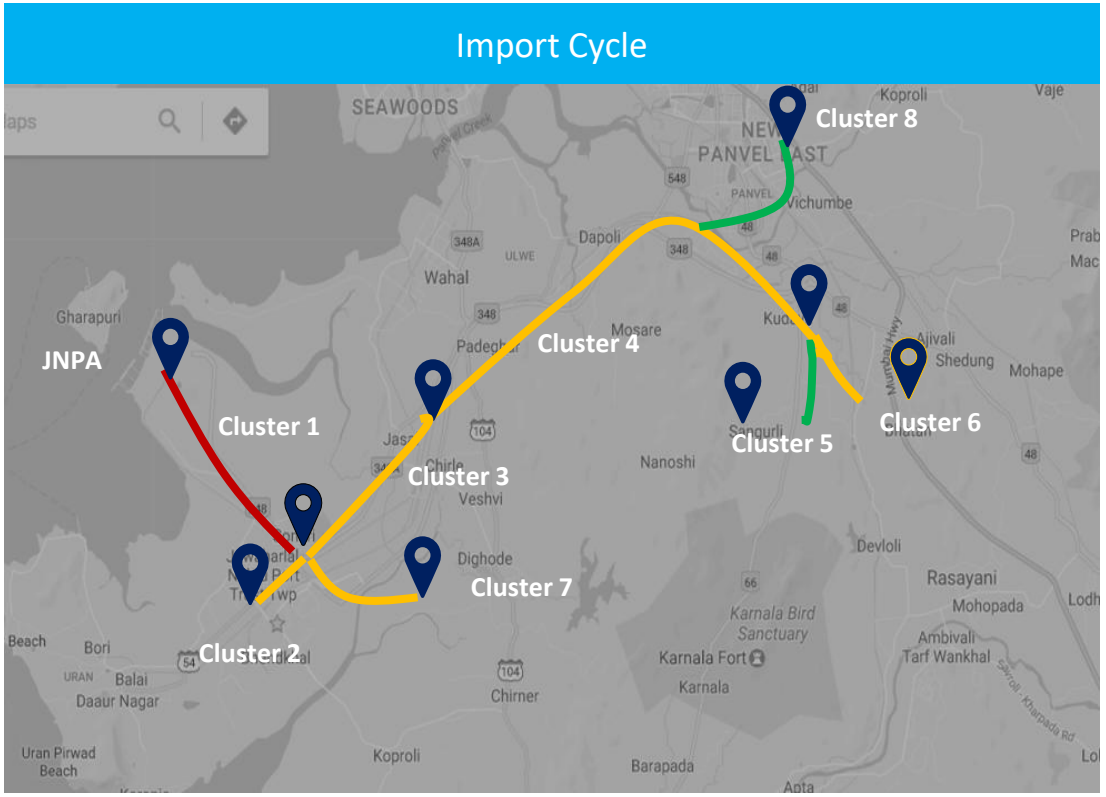
The below table depicts the detailed JNPA region port performance in the month of Dec'25

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	**Direct Port Delivery (DPD) Containers-Truck**	**Containers bound for CFS**	**Empty Containers**	**Laden Containers**
NSFT	40.6	25.6	63.1	26.2
NSICT	67.7	24.5	48.0	26.3
GTI	70.2	24.8	44.1	28.5
NSIGT	74.1	24.3	79.5	26.8
BMCT	18.2	18.9	37.4	21.8
NSDT	-	37.2	99.7	36.6

Note: Direct Port Delivery (DPD) via train doesn't occur currently

JNPA Region: Congestion Analysis (Import Cycle)

The below map indicates congestion around JNPA region in Import Cycle in month of Dec'25



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	9.61%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	32.46%	Medium
Cluster 3	Sonari Area,JNPA Road	2	12.56%	Medium
Cluster 4	Chirle Area, JNPA Road	1	1.53%	Medium
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	11.50%	Low
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	20.14%	Medium
Cluster 7	Patilpada Area, Khopate JNPA Road	3	11.72%	Medium
Cluster 8	Taloja, Navi Mumbai	1	0.48%	Low

Congestion Level — High — Medium — Low

JNPA Region Import Cycle: Container Movement

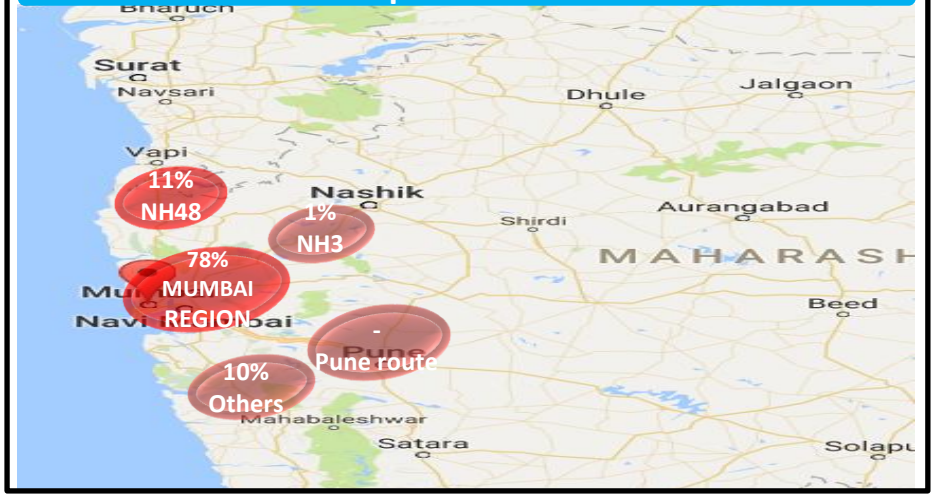
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Dec'25
Mumbai region	78%
NH3	1%
Pune	-
NH48	11%
Others	10%

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

Heat Map via Truck: Dec'25



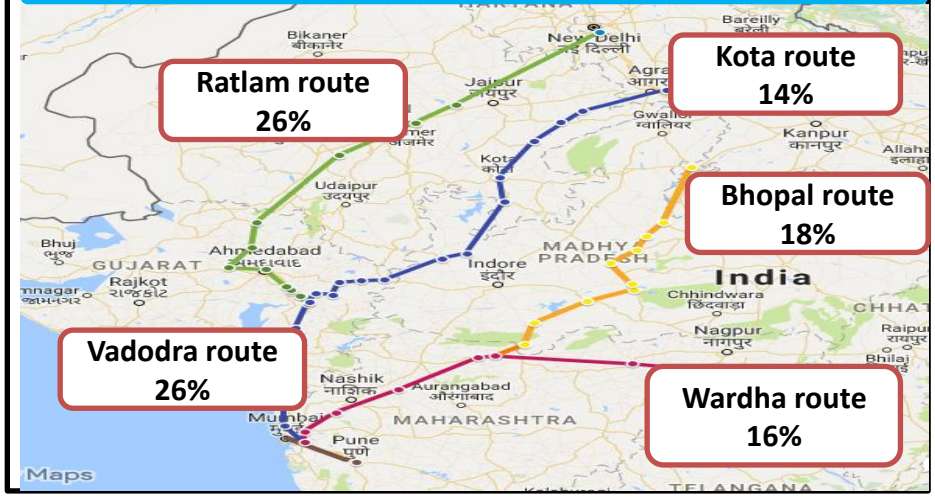
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Dec'25
Vadodra Route	26%
Ratlam Route	26%
Wardha Route	16%
Kota Route	14%
Bhopal Route	18%

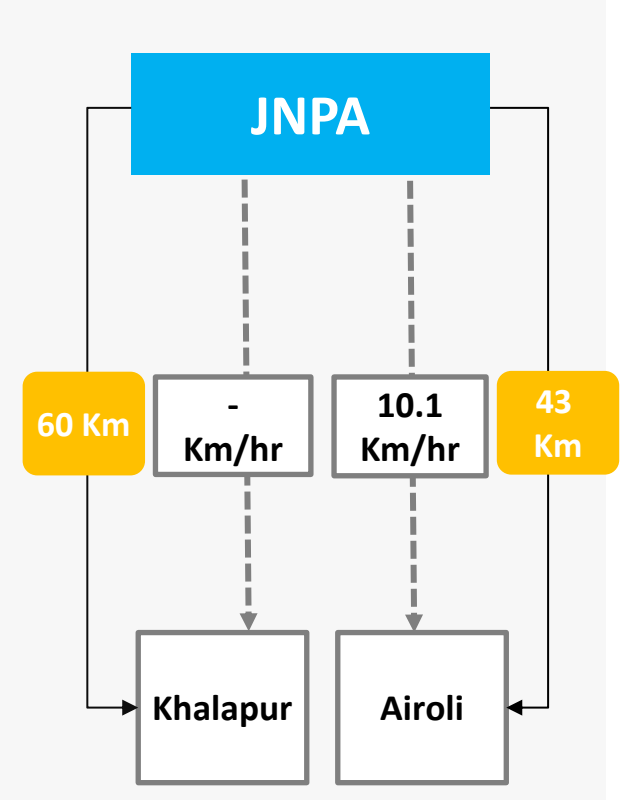
The map depicts the volume wise container movement through different railway routes in import cycle

Container movement via Train: Dec'25



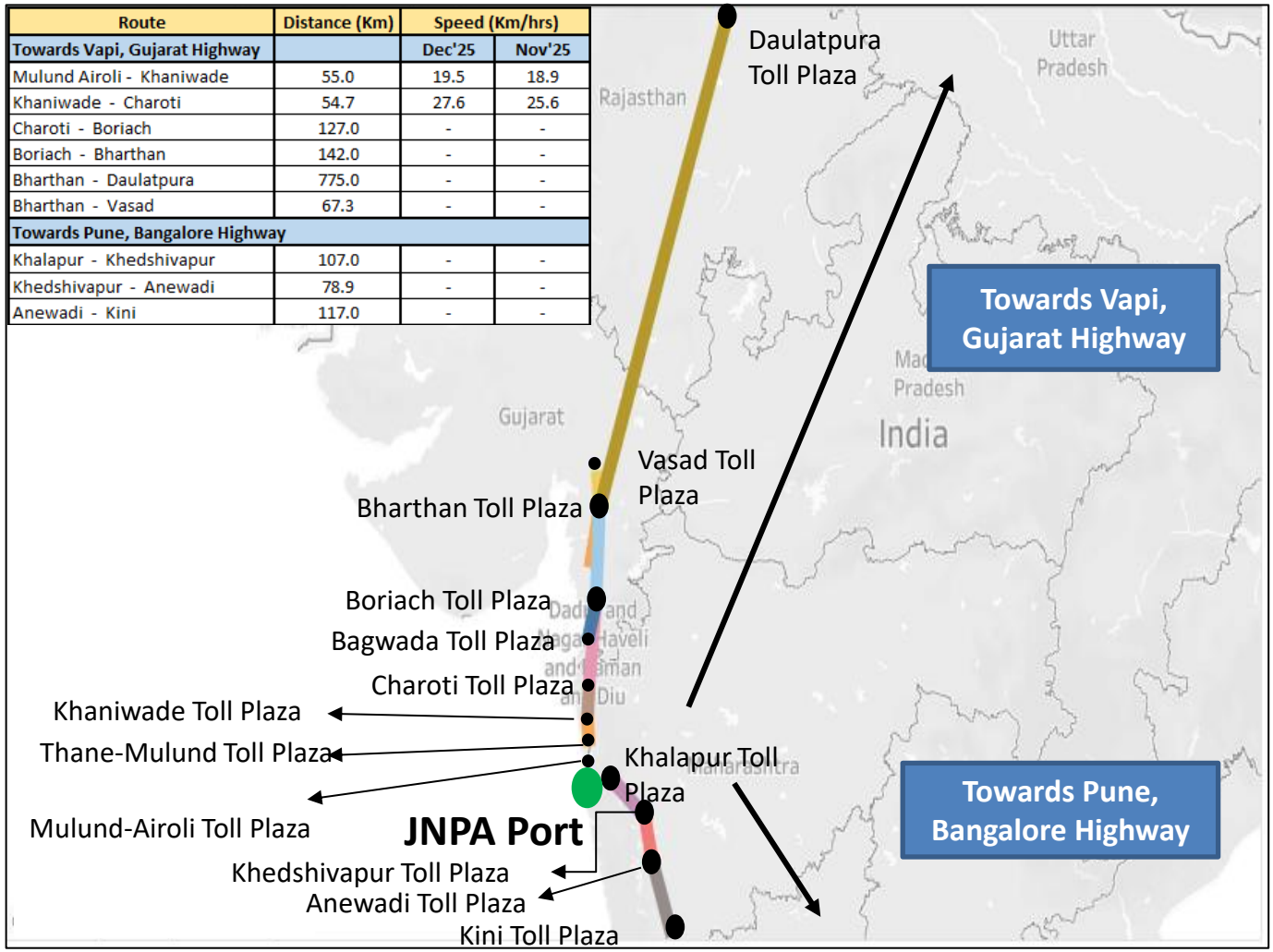
Western Corridor Toll Plaza Analysis

Average speed of trucks to cover the distance between Port to the nearest Toll Plaza for Dec'25:



The average speed of trucks to cover the distance between adjacent toll plazas for Dec'25:

Route	Distance (Km)	Speed (Km/hrs)	
Towards Vapi, Gujarat Highway		Dec'25	Nov'25
Mulund Airoli - Khaniwade	55.0	19.5	18.9
Khaniwade - Charoti	54.7	27.6	25.6
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	-	-
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
(16% 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 Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	104.1	111.5
NSICT	23.4	20.2
GTI	98.9	97.2
NSIGT	99.4	85.2
BMCT	109.4	113.7
NSDT	-	-

Container Handled: Hour-wise (Dec'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	7%	10%	12%	17%	22%	32%
NSICT	50%	10%	8%	9%	16%	7%
GTI	3%	12%	17%	16%	27%	25%
NSIGT	2%	14%	16%	15%	25%	28%
BMCT	3%	12%	14%	16%	21%	34%
NSDT	-	-	-	-	-	-

PORT EXPORT via TRUCK
(84% 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 Terminals	Dec'25 (in hrs)	Nov'25 (in hrs)
NSFT	71.0	64.9
NSICT	67.4	63.7
GTI	71.2	68.8
NSIGT	76.3	65.9
BMCT	73.6	69.4
NSDT	66.1	34.1

Container Handled: Hour-wise (Dec'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	6%	18%	28%	25%	21%	2%
NSICT	7%	22%	25%	23%	19%	4%
GTI	4%	20%	27%	25%	22%	2%
NSIGT	3%	15%	27%	29%	22%	4%
BMCT	5%	19%	24%	22%	18%	12%
NSDT	4%	20%	36%	18%	19%	3%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below table depicts the detailed JNPA region port performance in the month of Dec'25

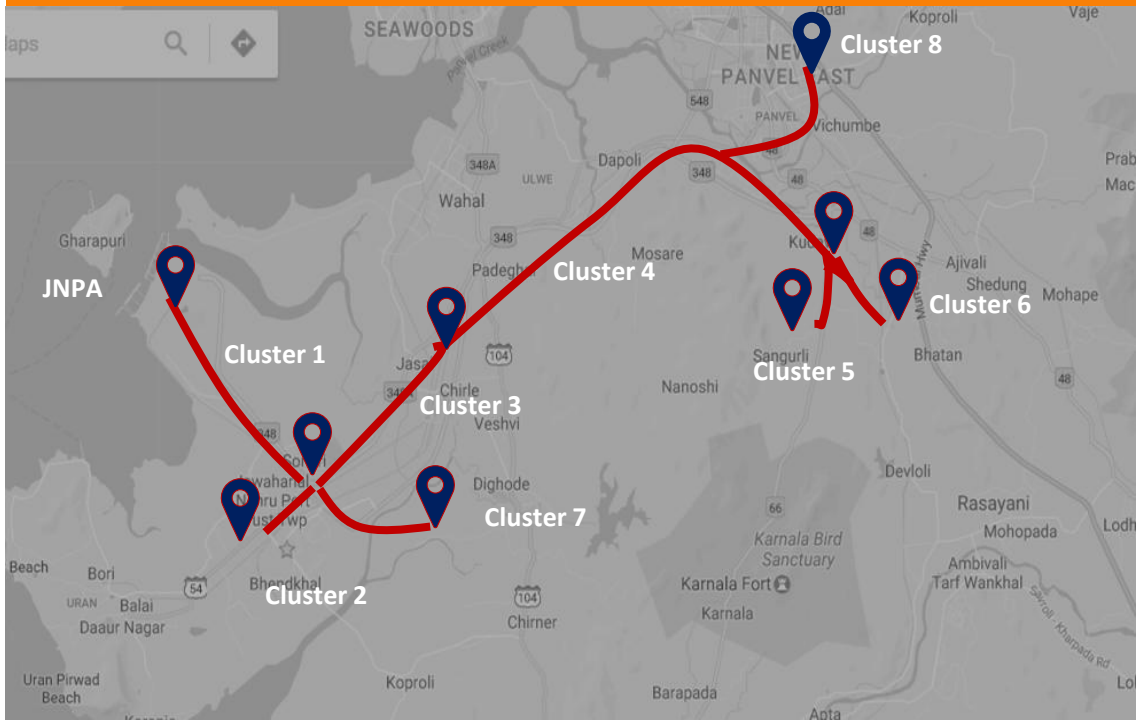
Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	**Direct Port Entry (DPE) Containers-Truck**	**Containers bound from CFS**	**Empty Containers**	**Laden Containers**
NSFT	51.0	67.2	71.8	74.4
NSICT	39.6	62.1	74.8	60.3
GTI	44.0	67.4	74.3	73.2
NSIGT	48.3	72.6	78.6	77.3
BMCT	46.5	71.3	76.8	76.8
NSDT	50.4	64.0	70.8	63.1

Note: Direct Port Entry (DPE) via train doesn't occur currently

JNPA Region: Congestion Analysis (Export Cycle)

The below map indicates congestion around JNPA region in Export Cycle in month of Dec'25

Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	3.98%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	20.43%	High
Cluster 3	Sonari Area,JNPA Road	2	13.35%	High
Cluster 4	Chirle Area, JNPA Road	1	4.73%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	19.72%	High
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	27.90%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	9.21%	High
Cluster 8	Taloja, Navi Mumbai	1	0.68%	High

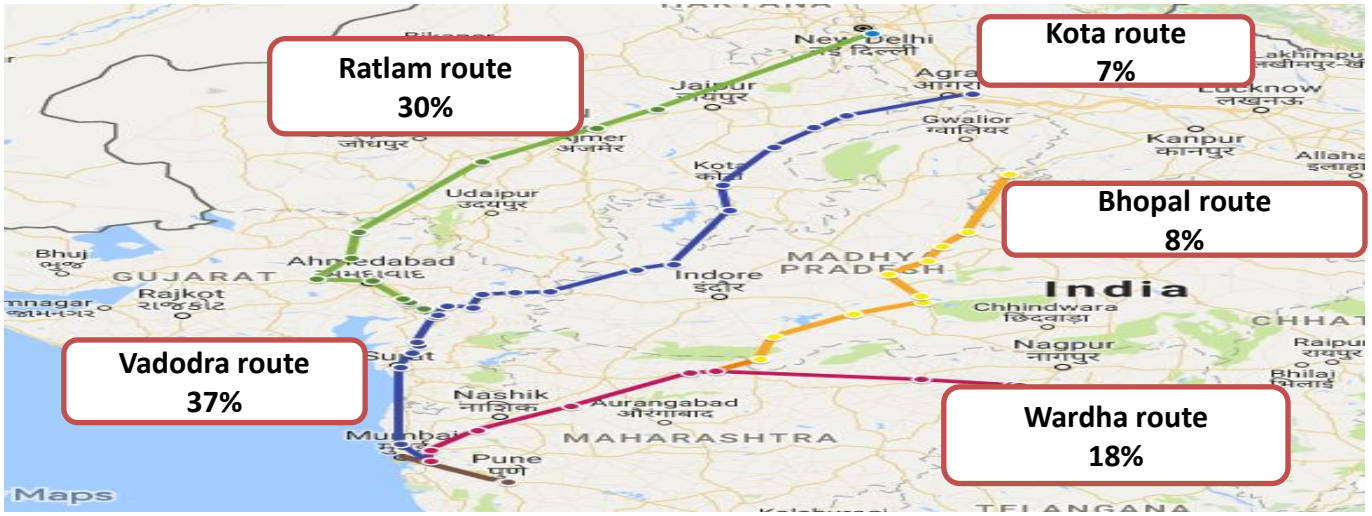
Congestion Level — High — Medium — Low

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	37%
Ratlam Route	30%
Wardha Route	18%
Kota Route	7%
Bhopal Route	8%

The map depicts the volume wise container movement through different railway routes in export cycle for Dec'25

Container movement via Train – Dec'25



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'25 and Nov'25

CFS Dwell Time (in hrs.)

CFS	Dec'25 (in hrs)	Nov'25 (in hrs)
AllCargo Logistics CFS, Mumbai	81.4	93.1
Ameya Logistics CFS, Navi Mumbai	75.7	85.7
APM (Maersk India) CFS, Navi Mumbai	113.1	122.4
Ashte Logistics CFS, Panvel	87.4	88.0
Balmer & Lawrie CFS, Navi Mumbai	84.7	97.1
Continental Warehousing CFS, Navi Mumbai	73.6	74.4
CWC Conex Terminal CFS	74.6	84.6
CWC Dronagiri CFS, Navi Mumbai	82.7	77.3
CWC Impex Park CFS, Navi Mumbai	80.4	82.3
CWC Polaris logistics park	104.9	105.9
EFC Logistics India	83.5	97.9
Gateway Distriparks CFS, Navi Mumbai	84.9	87.3
Hind terminal CFS, Panvel	106.4	91.6
International Cargo Terminal CFS	84.0	91.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	77.3	88.4

CFS	Dec'25 (in hrs)	Nov'25 (in hrs)
JWC Logistics Park CFS	95.9	99.1
JWR CFS	59.0	55.6
Maersk Annex (APM)CFS, Navi Mumbai	89.0	79.2
Maharashtra State Corp CFS	95.0	95.2
Navkar Corporation Yard 1 CFS, Panvel	78.9	88.3
Navkar Corporation Yard 2 CFS, Panvel	93.1	100.7
Navkar Corporation Yard 3 CFS, Panvel	78.1	85.7
Ocean Gate CFS, Panvel	102.5	109.6
Punjab Conware CFS, Navi Mumbai	87.2	93.3
Sarveshwar CFS	93.8	79.0
Seabird CFS, Navi Mumbai	76.0	81.5
Speedy Multimode CFS, JNPT	87.3	84.9
Transworld Terminals CFS, Mumbai	91.6	90.5
Vaishno Logistics CFS, Navi Mumbai	50.4	66.6

ICD Performance

Below tables show the dwell time of the respective ICDs for Dec'25 and Nov'25

ICD Dwell Time (in hrs.)

ICD	Dec'25 (in hrs)	Nov'25 (in hrs)
Adani ICD, Tumb	88.5	97.8
Adani Logistics Park ICD, Gurgaon	82.6	156.1
Albatross Inland Ports ICD, Dadri	141.7	162.9
APM Terminals ICD, Dadri	131.3	-
CFS VALLARPADAM	124.5	119.0
CMA CGM Logistics Park, Dadri	120.9	180.8
CONCOR ICD, Dadri	67.2	69.1
CONCOR Kanakpura ICD, Jaipur	98.6	85.2
CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTVT-T)	75.2	81.2
Continental Warehousing Corporation Nhava Sheva Ltd ICD,Haryana	132.4	130.4
DICT Sonipat	155.0	124.9
Dronagiri Rail Terminal CFS, Navi Mumbai	96.9	101.0
Gateway Rail Freight ICD, Pyala	144.7	160.4
Gateway Rail ICD, Sahnewal	122.5	108.7
Hind Terminals Logistics Park ICD, Palwal	56.4	59.7
HTPL ICD Qilaraipur Ludhiana	161.5	228.9
ICD ANKLESHWAR	103.0	136.1
ICD BGKT, JODHPUR	105.7	98.7
ICD DAULATABAD	123.8	130.6
ICD DDL, LUDHIANA	71.4	62.9
ICD Jajpur (Jindal Stainless Ltd.)	105.9	-
ICD KANPUR	102.9	108.0

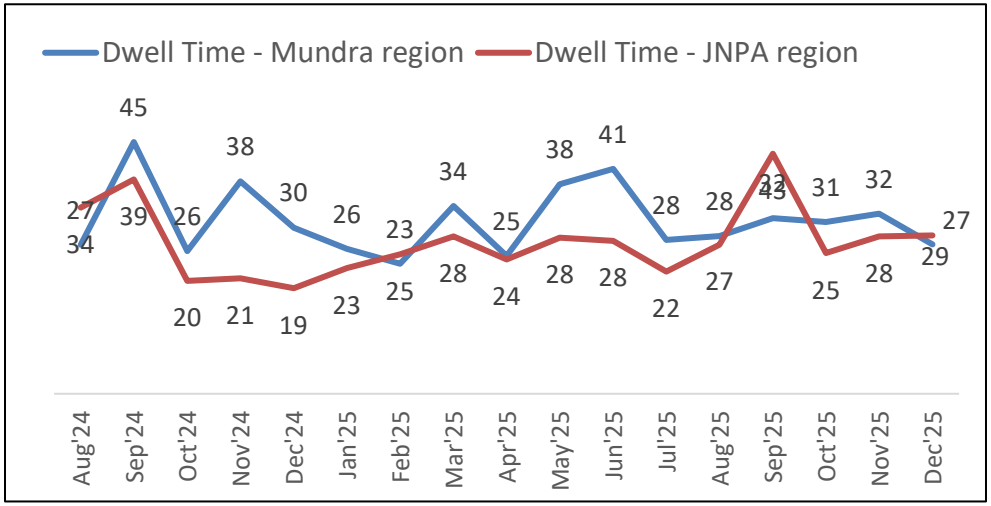
ICD	Dec'25 (in hrs)	Nov'25 (in hrs)
ICD KHODIYAR	102.8	109.4
ICD KIFTPL Kashipur	143.1	119.9
ICD MANDIDEEP	131.1	148.9
ICD Pali (KIPL)	127.0	188.8
ICD Sachana (CWC)	81.9	124.8
ICD SANATHNAGAR	134.4	111.4
ICD WHITEFIELD	137.4	129.2
KLPL ICD, Kanpur	125.9	125.7
Kribhco ICD, Meerut	148.2	158.5
MMLP AHMEDGARH (PLIL)	157.0	130.6
MMLP BARHI	128.6	115.2
MMLP KHATUWAS	103.5	106.5
MMLP MIHAN	155.9	141.9
MMLP NAYA RAIPUR	148.8	-
MMLP TIHI	181.2	177.0
MMLP VARNAMA	162.2	169.7
MMLP VISHAKAPATNAM	186.6	105.0
Pegasus Inland Container Depot	145.9	95.2
Pristine ICD Chawapail , Ludhiana	126.9	137.7
The Thar Dry Port ICD Ahmedabad	138.3	136.3
The Thar Dry Port Jodhpur	100.5	118.6
Vaishno Container Terminal-ICD Tarapur	168.6	143.3

Trend Analysis

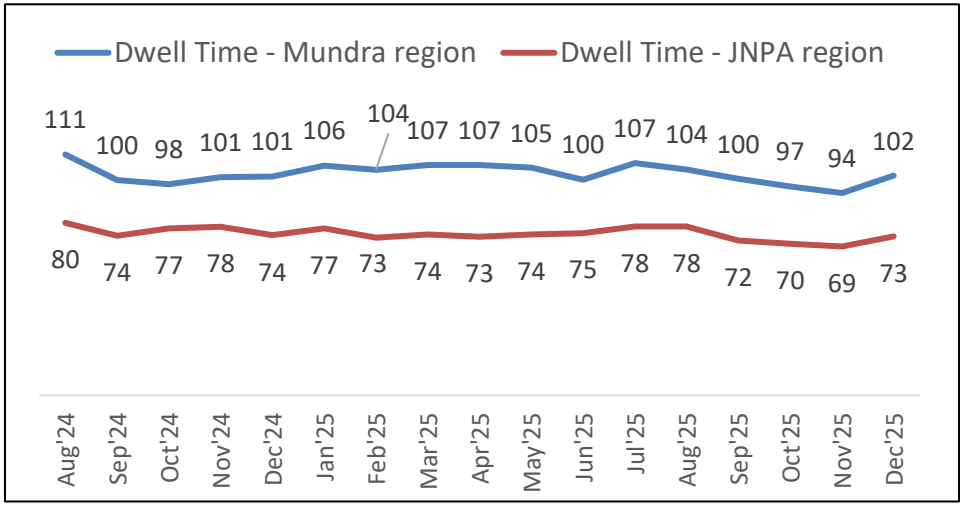
Western Corridor Port: Yearly Analysis

Container Volume and Dwell time of all the terminals in JNPA and Mundra Port have been analysed until Dec'25

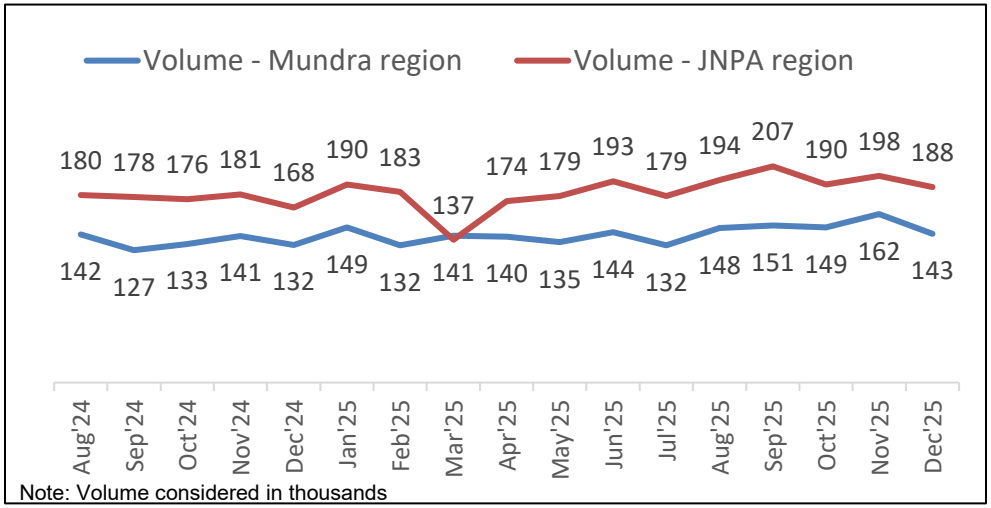
Import Dwell Time – Mundra Region Vs JNPA Region



Export Dwell Time – Mundra Region Vs JNPA Region

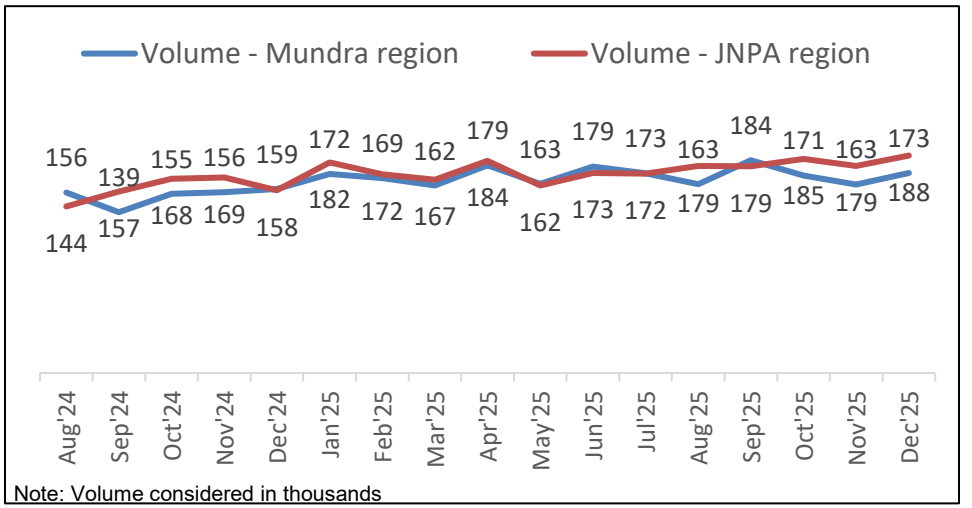


Import Volume – Mundra Region Vs JNPA Region



Note: Volume considered in thousands

Export Volume – Mundra Region Vs JNPA Region



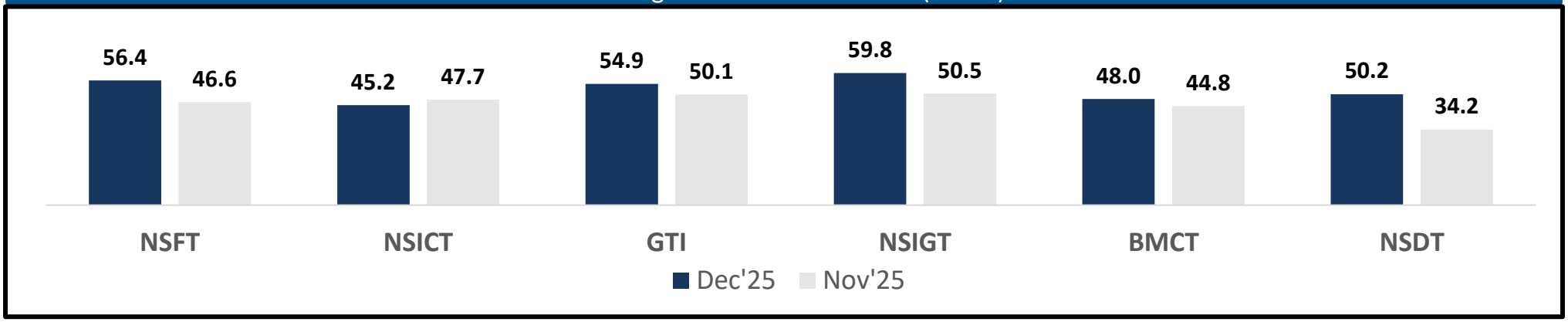
Note: Volume considered in thousands

JNPA Port Dwell Time Trend: Month on Month

JNPA Port Dwell Time Trend :

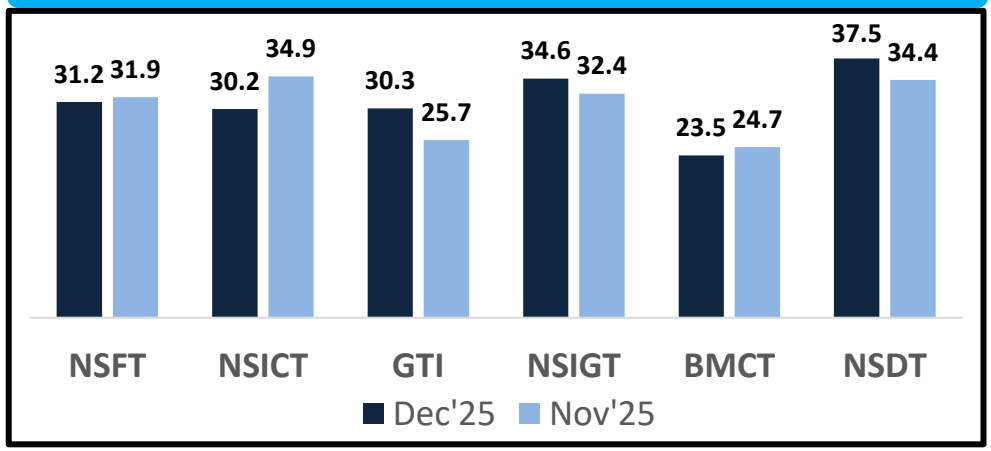
The below graph shows the overall port dwell time (i.e. import and export cycle combined) trend (Month of Month) of all the JNPA port terminals. Port dwell time is the time duration between the entry of the container in port terminal to the time it moves out of the port terminal

JNPA Region Dwell time: Overall (in hrs.)

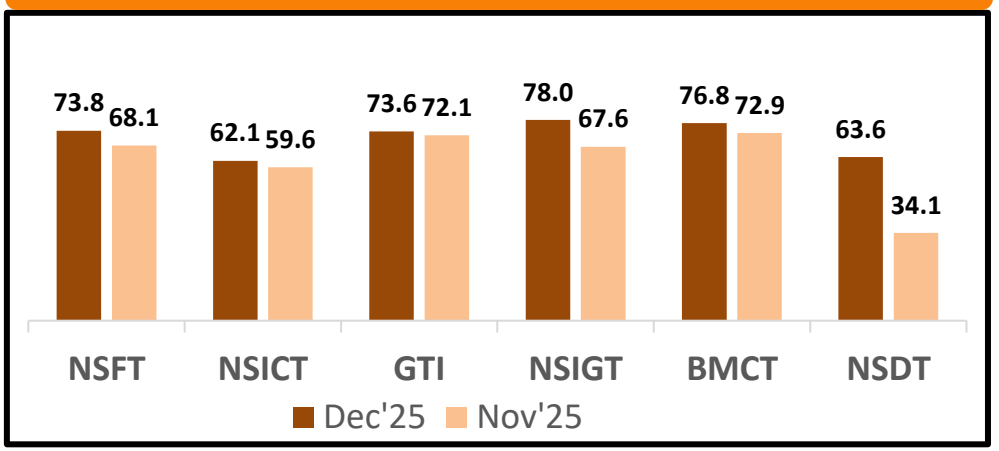


The below graphs showcase the Import and Export cycle dwell time for both train and truck bound containers for month of Dec'25

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



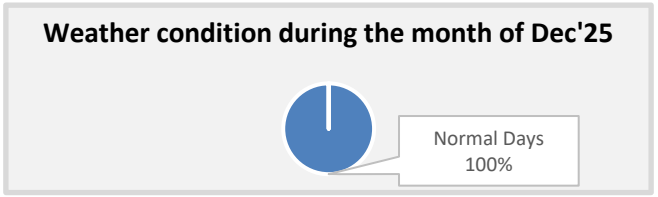
JNPA Region Dwell time: Export Cycle (in hrs.)



Weather Analysis

Weather Analysis : JNPA Port

This component depicts container handling performance in various weather conditions, focusing on port dwell time.



- Normal Weather Conditions includes **clear sky, sunny, overcast and partially cloudy** weather
- Abnormal Weather Conditions includes **rainy and overcast rainy** weather

IMPORT CYCLE

Dec'25

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	28.2	
Volume % share	100%	-

Yearly (Jan'25 to Dec'25)

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	25.9	28.5 (10%)
Volume % share	50%	50%

EXPORT CYCLE

Dec'25

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	73.7	
Volume % share	100%	-

Yearly (Jan'25 to Dec'25)

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	73.9	74.0 (0.1%)
Volume % share	51%	49%

Note: Port dwell time is based on the daily weather condition at Port Out time

Indicates increase/decrease in dwell time in abnormal weather compared to normal weather

Weather Analysis : JNPA Port (Terminal-wise)

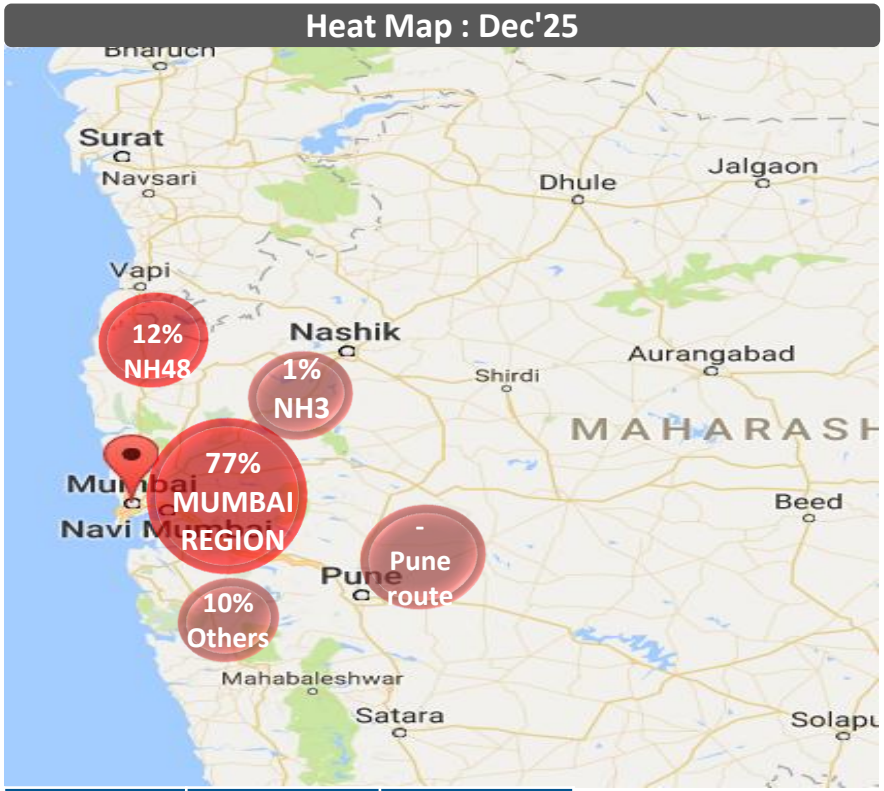
IMPORT CYCLE		
Terminal Name	**Normal Weather Dec'25 (in hrs)**	**Abnormal Weather Dec'25 (in hrs)**
Nhava Sheva Freeport Terminal (NSFT)	31.2	-
Nhava Sheva International Container Terminal (NSICT)	30.2	-
Gateway Terminals India (GTI)	30.3	-
Nhava Sheva India Gateway Terminal (NSIGT)	34.6	-
Bharat Mumbai Container Terminals(PSA)	23.5	-
Nhava Sheva Distribution Terminal (NSDT)	37.5	-

EXPORT CYCLE		
Terminal Name	**Normal Weather Dec'25 (in hrs)**	**Abnormal Weather Dec'25 (in hrs)**
Nhava Sheva Freeport Terminal (NSFT)	73.8	-
Nhava Sheva International Container Terminal (NSICT)	62.1	-
Gateway Terminals India (GTI)	73.6	-
Nhava Sheva India Gateway Terminal (NSIGT)	78.0	-
Bharat Mumbai Container Terminals(PSA)	76.8	-
Nhava Sheva Distribution Terminal (NSDT)	63.6	-

ANNEXURE

Container Movement Around JNPA Port Terminal Region Via Truck

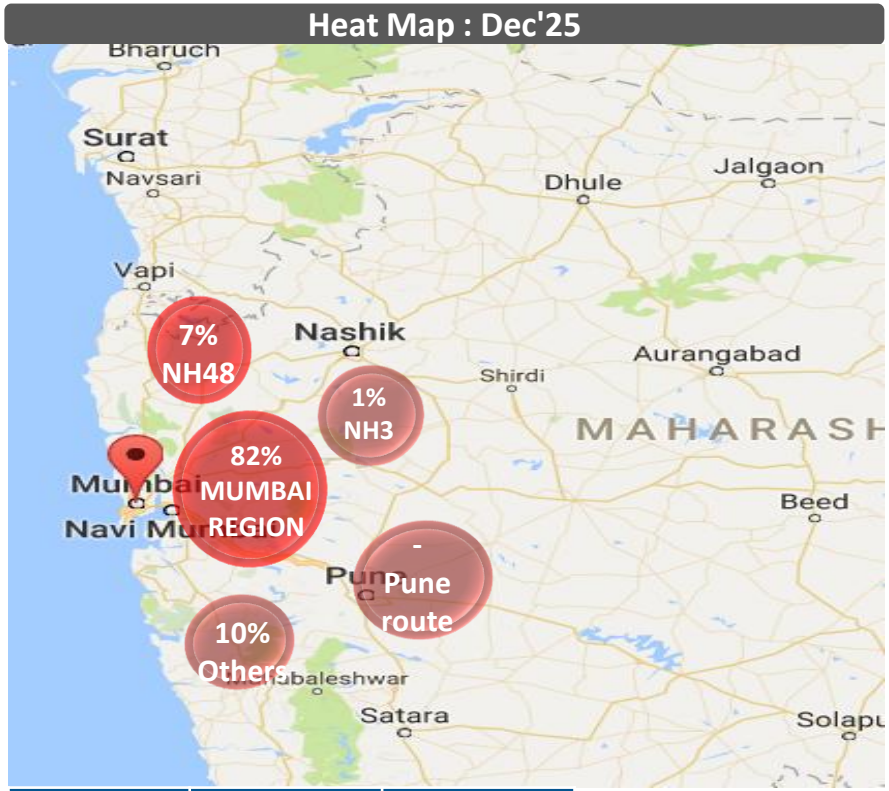
HEAT MAP : GTI Port Terminal



Region	Dec'25	Nov'25
Mumbai region	77%	77%
NH3	1%	1%
Pune	-	-
NH48	12%	12%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

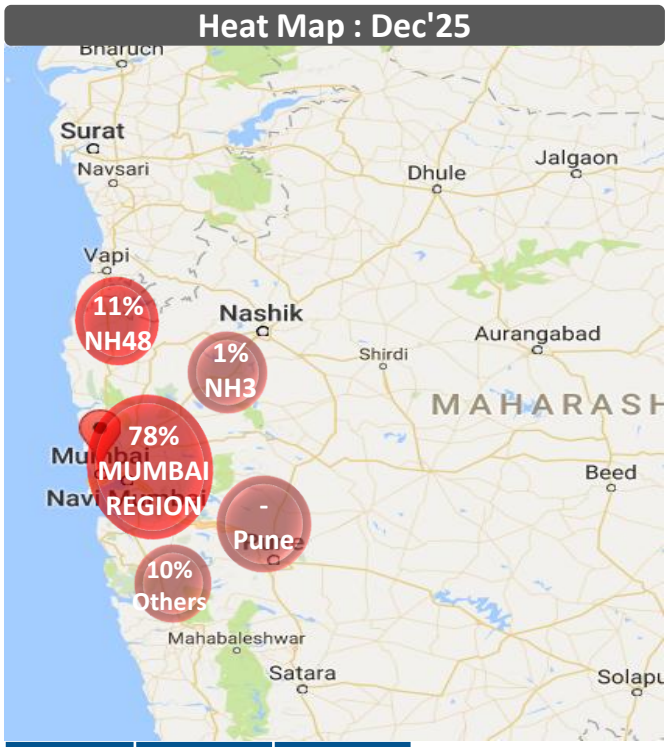


Region	Dec'25	Nov'25
Mumbai region	82%	79%
NH3	1%	1%
Pune	-	-
NH48	7%	10%
others	10%	10%

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

Container Movement Around JNPA Port Terminal Region Via Truck

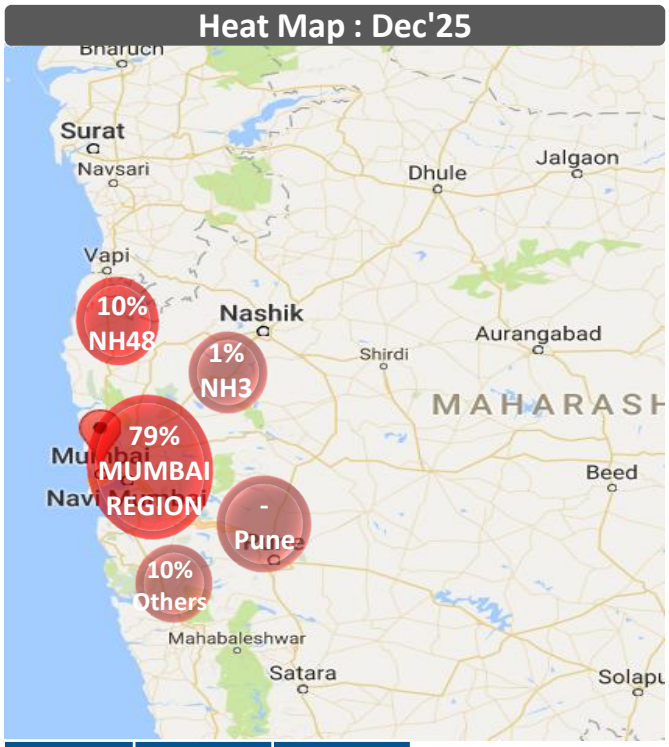
HEAT MAP : NSIGT Port Terminal



Region	Dec'25	Nov'25
Mumbai region	78%	79%
NH3	1%	1%
Pune	-	-
NH48	11%	10%
others	10%	10%

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

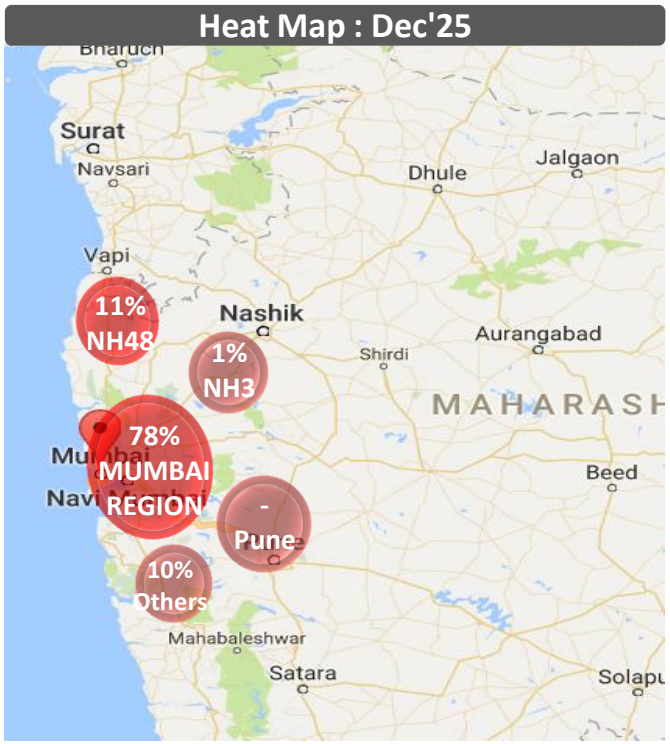
HEAT MAP : NSICT Port Terminal



Region	Dec'25	Nov'25
Mumbai region	79%	80%
NH3	1%	1%
Pune	-	-
NH48	10%	9%
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'25	Nov'25
Mumbai region	78%	78%
NH3	1%	1%
Pune	-	-
NH48	11%	11%
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'25 (in hrs): Below table shows the delivery time in import cycle from the PORT terminals to CFSs

CFS	NSFT	GTI	NSICT	NSIGT	BMCT	NSDT
AllCargo Logistics CFS,Mumbai	3.5	3.6	3.3	3.2	3.2	4.2
Ameya Logistics CFS, Navi Mumbai	2.5	2.7	2.3	2.4	2.5	2.5
APM (Maersk India) CFS, Navi Mumbai	2.2	2.3	2.1	2.3	2.0	-
Apollo Logisolutions CFS, Panvel	6.1	6.4	5.0	5.4	4.0	-
Ashte Logistics CFS, Panvel	2.9	3.3	3.1	3.0	3.1	3.5
Balmer & Lawrie CFS, Navi Mumbai	1.9	2.6	2.4	1.8	2.0	2.7
CFS AMBAD, NASHIK	1.6	1.6	1.6	2.4	1.4	-
CWC Conex Terminal CFS	2.4	2.7	2.4	2.5	2.1	1.9
CWC Dronagiri CFS, Navi Mumbai	1.8	2.3	2.0	2.1	2.3	2.0
CWC Impex Park CFS, Navi Mumbai	3.9	3.1	2.2	2.5	2.1	-
CWC Polaris logistics park	2.1	2.3	2.4	2.0	2.0	-
EFC Logistics India	2.7	3.3	2.5	2.8	2.6	2.1
Gateway Distriparks CFS, Navi Mumbai	2.9	3.5	3.1	3.0	2.6	1.7
Hind terminal CFS, Panvel	2.6	2.6	2.4	3.2	2.6	-
International Cargo Terminal CFS	1.8	2.1	1.8	1.7	1.8	3.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.2	2.8	2.5	2.0	2.4	1.9

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

Port Out – CFS In (Import Cycle) – Dec'25 (in hrs): Below table shows the delivery time in import cycle from the PORT terminals to CFSs

CFS	NSFT	GTI	NSICT	NSIGT	BMCT	NSDT
JWC Logistics Park CFS	2.7	2.9	3.9	2.5	2.8	-
JWR CFS	6.7	2.9	6.6	3.7	5.3	-
Kerry Indev Logistics CFS,Mumbai	2.8	3.5	4.0	3.2	3.3	2.8
Maersk Annex (APM)CFS, Navi Mumbai	2.2	2.8	2.2	2.2	2.0	-
Maharashtra State Corp CFS	1.6	2.4	2.7	2.7	2.1	-
Navkar Corporation Yard 1 CFS, Panvel	3.5	3.5	4.3	3.7	3.0	5.5
Navkar Corporation Yard 2 CFS, Panvel	3.7	3.5	4.0	3.9	3.8	2.9
Navkar Corporation Yard 3 CFS, Panvel	4.6	4.5	3.8	3.8	3.8	3.0
Ocean Gate CFS, Panvel	3.2	3.2	3.3	3.1	2.7	-
Punjab Conware CFS, Navi Mumbai	1.9	2.8	2.7	2.5	2.2	2.2
Sarveshwar CFS	2.8	4.2	3.3	3.3	2.9	2.9
SBW Logistics CFS, Navi Mumbai	3.8	4.2	3.5	2.4	3.9	-
Seabird CFS, Navi Mumbai	3.4	4.0	2.8	3.1	3.0	4.1
Speedy Multimode CFS, JNPT	1.6	2.1	2.0	1.7	1.7	1.9
Transworld Terminals CFS,Mumbai	1.4	2.8	2.0	1.3	1.7	2.3
Vaishno Logistics CFS, Navi Mumbai	2.4	2.9	1.9	2.3	2.5	1.5

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

CFS Out – Port In (Export Cycle) – Dec'25 (in hrs): Below table shows the delivery time in export cycle from the CFSs to PORT terminals

CFS	NSFT	GTI	NSICT	NSIGT	BMCT	NSDT
AllCargo Logistics CFS,Mumbai	7.5	6.8	3.8	3.0	4.7	-
Ameya Logistics CFS, Navi Mumbai	6.6	5.5	4.2	2.9	5.3	-
APM (Maersk India) CFS, Navi Mumbai	4.8	4.7	4.3	6.2	7.8	-
Apollo Logisolutions CFS, Panvel	5.6	-	3.0	3.1	5.0	-
Ashte Logistics CFS, Panvel	4.3	7.8	3.4	3.7	6.1	-
Balmer & Lawrie CFS, Navi Mumbai	6.3	4.2	4.1	4.4	4.8	-
Continental Warehousing CFS, Navi Mumbai	4.8	9.0	4.5	4.6	4.1	-
CWC Conex Terminal CFS	6.7	3.7	3.5	3.6	4.8	-
CWC Dronagiri CFS, Navi Mumbai	6.2	4.3	3.4	4.1	4.4	-
CWC Impex Park CFS, Navi Mumbai	7.4	2.9	3.4	5.9	6.7	-
CWC Polaris logistics park	6.4	6.2	3.4	3.6	5.2	-
EFC Logistics India	6.0	7.9	2.8	3.9	4.6	-
Gateway Distriparks CFS, Navi Mumbai	8.3	6.6	3.8	3.4	5.2	-
Hind terminal CFS, Panvel	5.1	7.6	5.8	2.7	5.6	-
International Cargo Terminal CFS	8.6	4.0	4.2	3.5	7.0	-
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	4.1	3.7	5.7	-

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

CFS Out – Port In (Export Cycle) – Dec'25 (in hrs): Below table shows the delivery time in export cycle from the CFSs to PORT terminals

CFS	NSFT	GTI	NSICT	NSIGT	BMCT	NSDT
JWC Logistics Park CFS	8.5	7.6	4.5	3.6	6.3	8.7
JWR CFS	5.6	6.4	3.5	3.0	4.9	-
Kerry Indev Logistics CFS,Mumbai	4.3	5.2	4.3	-	3.7	-
Maersk Annex (APM)CFS, Navi Mumbai	-	-	4.4	-	6.9	-
Maharashtra State Corp CFS	4.1	2.9	3.4	2.1	5.8	-
Navkar Corporation Yard 2 CFS, Panvel	-	7.5	4.5	4.2	7.4	-
Navkar Corporation Yard 3 CFS, Panvel	6.8	5.8	3.5	4.9	6.1	3.3
Ocean Gate CFS, Panvel	8.2	4.8	4.0	3.1	6.0	-
Punjab Conware CFS, Navi Mumbai	5.8	3.2	3.8	4.3	5.5	-
Sarveshwar CFS	8.0	4.1	3.7	3.5	7.6	-
SBW Logistics CFS, Navi Mumbai	8.6	4.0	5.6	9.8	8.8	-
Seabird CFS, Navi Mumbai	5.6	7.9	4.1	5.4	6.3	-
Speedy Multimode CFS, JNPT	4.7	7.9	3.7	3.6	5.3	-
Transworld Terminals CFS,Mumbai	-	8.5	2.9	2.8	4.7	-
Vaishno Logistics CFS, Navi Mumbai	7.7	6.9	3.8	6.6	5.3	-

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, NSFT and NSDT terminals

CFS Cluster : GTI Terminal

GTI terminal for month of Dec'25				
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	8.0
Cluster 2	6	13	2.8	4.9
Cluster 3	6	11	3.3	5.0
Cluster 4	1	13	2.9	6.9
Cluster 5	2	25	3.1	6.9
Cluster 6	6	25	3.8	7.4
Cluster 7	4	12	2.8	5.5
Cluster 8	1	34	4.2	4.0

CFS Cluster : NSFT Terminal

NSFT terminal for month of Dec'25				
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	4.8
Cluster 2	6	13	2.2	7.8
Cluster 3	6	11	2.6	5.6
Cluster 4	1	13	2.4	7.7
Cluster 5	2	25	2.9	8.4
Cluster 6	6	25	3.3	5.6
Cluster 7	4	12	2.5	6.6
Cluster 8	1	34	3.7	8.6

CFS Cluster : NSDT Terminal

NSDT terminal for month of Dec'25				
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	-
Cluster 2	6	13	2.2	-
Cluster 3	6	11	3.7	-
Cluster 4	1	13	1.5	-
Cluster 5	2	25	33.7	8.6
Cluster 6	6	25	3.3	3.3
Cluster 7	4	12	2.5	-
Cluster 8	1	34	-	-

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 terminals

CFS Cluster : NSICT Terminal

NSICT terminal for month of Dec'25

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	2.0	3.8
Cluster 2	6	13	2.4	4.2
Cluster 3	6	11	2.8	3.8
Cluster 4	1	13	1.9	4.0
Cluster 5	2	25	3.5	4.2
Cluster 6	6	25	3.5	3.8
Cluster 7	4	12	2.4	4.2
Cluster 8	1	34	3.4	5.6

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Dec'25

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	3.6
Cluster 2	6	13	2.3	3.6
Cluster 3	6	11	2.9	4.0
Cluster 4	1	13	2.3	6.6
Cluster 5	2	25	2.9	3.5
Cluster 6	6	25	3.5	3.8
Cluster 7	4	12	2.4	2.9
Cluster 8	1	34	2.4	9.8

CFS Cluster : BMCT Terminal

BMCT terminal for month of Dec'25

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	5.4
Cluster 2	6	13	2.2	5.7
Cluster 3	6	11	2.8	5.7
Cluster 4	1	13	2.5	5.3
Cluster 5	2	25	2.8	6.2
Cluster 6	6	25	3.4	6.4
Cluster 7	4	12	2.5	5.3
Cluster 8	1	34	3.9	8.8

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'25

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	83.1	121.2	-	51.8	-	72.0
Ankaleshwar	101.8	63.7	-	58.2	-	87.6
Boisar	85.4	-	115.5	39.2	88.0	85.6
Dadri	72.7	-	49.7	65.6	69.9	69.9
Daulatabad	38.7	48.4	-	64.7	25.7	43.1
Guhati	89.2	118.6	53.8	72.3	134.6	110.5
Indore	34.4	-	82.3	113.0	47.4	73.0
Kanpur	87.8	97.5	98.8	75.8	69.6	87.7
Khodiyar	85.9	64.2	-	145.4	116.8	86.6
Ludhiana	132.2	135.1	145.2	54.9	52.8	129.4
Malanpur	136.4	37.0	15.9	48.8	56.3	126.1
Moradabad	73.2	143.2	-	79.2	58.2	117.0
Nagpur	59.2	167.2	125.5	38.1	139.7	66.0
Navi Mumbai	43.9	54.6	80.8	52.6	-	60.7
Sanatnagar	61.2	-	102.0	64.8	-	68.5
Thimmapur	91.0	-	120.7	92.6	87.7	93.6
Tughlakabad	90.7	-	120.2	88.5	96.2	91.3

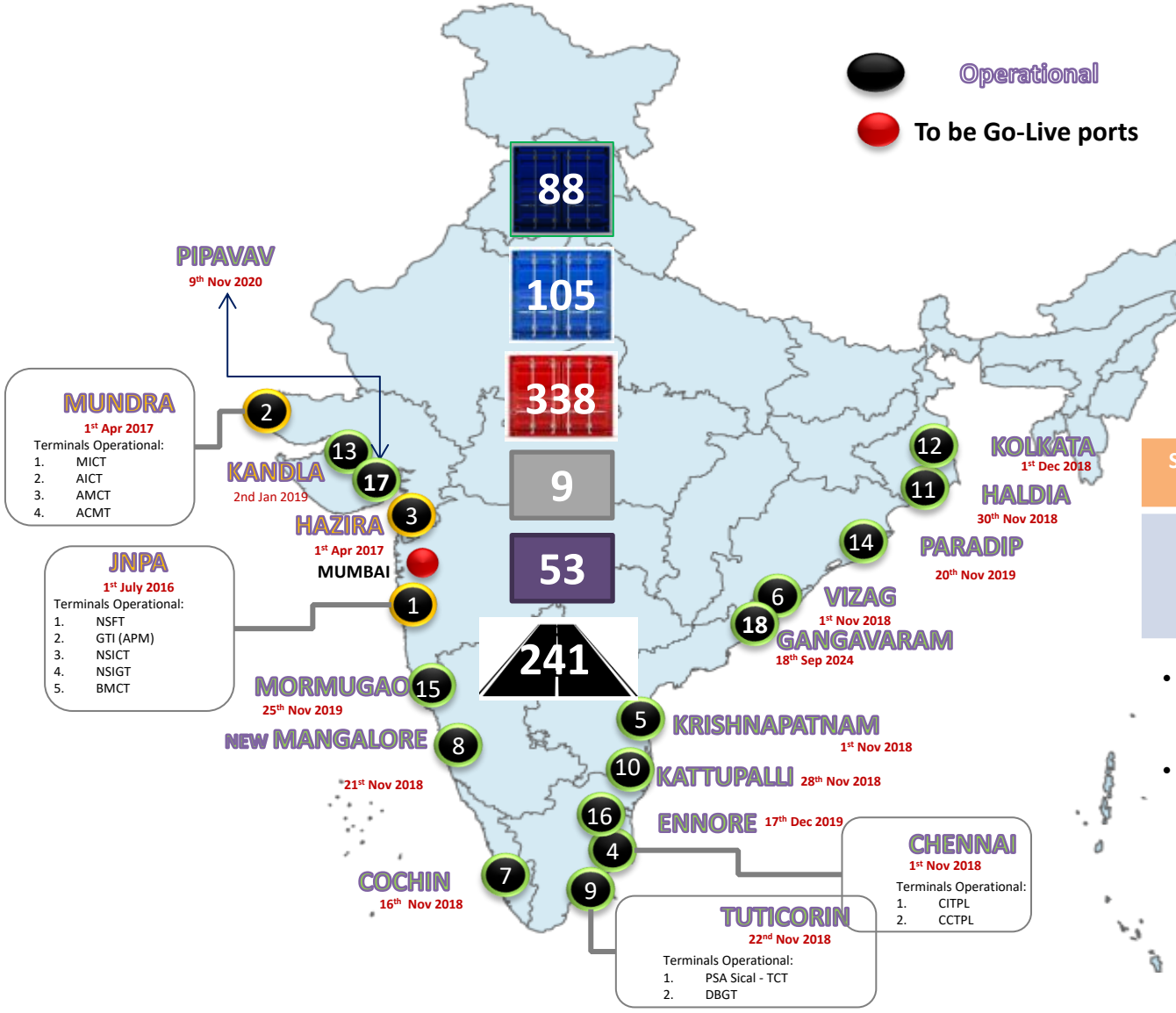
JNPA Region: Destination-wise Dwell Time- Import

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'25

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	15.3	-	-	25.2	32.2	18.7
Ameya Logistics CFS, Navi Mumbai	20.3	-	20.2	24.8	32.3	22.9
APM (Maersk India) CFS, Navi Mumbai	24.7	23.4	20.8	15.8	45.2	26.0
Apollo Logisolutions CFS, Panvel	23.4	34.5	24.8	30.2	36.1	27.9
Ashte Logistics CFS, Panvel	19.9	29.0	-	24.1	29.8	24.8
Balmer & Lawrie CFS, Navi Mumbai	18.7	28.5	26.5	23.9	27.1	23.8
Continental Warehousing CFS, Navi Mumbai	14.9	24.5	25.6	18.9	-	19.5
CWC Impex Park	17.6	21.1	24.0	22.7	21.6	20.7
Dronagiri Rail Terminal CFS, Navi Mumbai	14.7	20.0	16.9	18.1	-	16.7
EFC Logistics	15.6	21.3	20.4	24.1	22.6	19.2
Gateway Distriparks CFS, Navi Mumbai	18.1	24.6	19.2	22.6	22.2	20.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	17.3	17.9	17.5
JWC Logistics Park CFS	17.6	18.6	20.4	21.7	20.6	19.0
Kerry Indev Logistics Pvt Ltd CFS	-	-	18.9	28.8	15.3	21.5
Maharashtra State Corp CFS	19.7	20.2	35.1	28.4	23.7	23.3
Navkar Corporation	22.3	26.4	22.7	30.0	29.4	24.6
Ocean Gate CFS, Panvel	16.5	25.1	20.7	19.8	23.3	19.8
Sarveshwar Logistics	14.1	21.3	-	20.4	21.2	18.0
SBW Logistics CFS, Navi Mumbai	63.3	-	69.3	33.0	-	61.7
Seabird CFS, Navi Mumbai	16.3	-	23.3	24.3	21.9	19.3
Speedy Multimode CFS, JNPT	15.5	-	-	24.7	23.8	19.0
Take Care Logistics	19.1	-	-	-	34.0	20.4
TG Terminals	23.5	-	25.6	32.8	29.5	25.6
Vaishno Logistics CFS, Navi Mumbai	28.8	29.6	31.4	34.3	26.7	30.0

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 Gangavaram Port Go Live
- More than about 92+ million EXIM containers covered till date.(2026.01.19)

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

Annexure: Congestion Analysis & Methodology

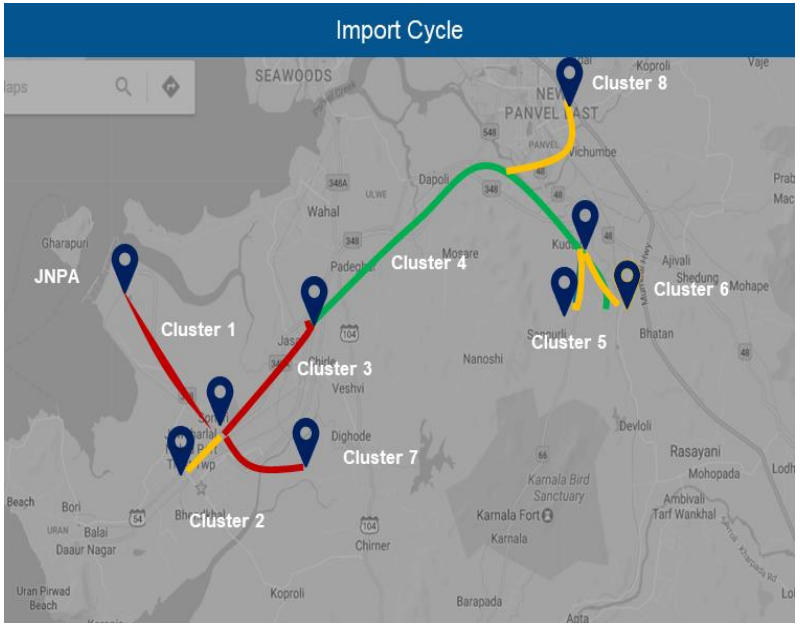
Methodology

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 Level — High — Medium — Low


THANK YOU