Logistics Data Bank (LDB) Analytics Report – JNPA

March 2025

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Index

Overall Analysis

Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port Terminals	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	26.2	25.2
NSICT	35.2	28.8
GTI	25.3	21.9
NSIGT	35.1	34.1
BMCT	23.1	23.4

Export Cycle		
Port Terminals	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	77.9	77.0
NSICT	66.0	55.7
GTI	75.4	80.7
NSIGT	85.9	76.7
BMCT	72.0	71.5

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 import cycle and has improved in export cycle. ICD dwell 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
Mar'25	28.3 hrs ↑	74.4 hrs ↑	79.6 hrs ↑	61.8 hrs ↓	157.0 hrs ↓	108.5 hrs ↑
Feb'25	25.1 hrs *12.7%*	72.8 hrs *2.2%*	76.3 hrs *4.3%*	67.9 hrs *9.0%*	162.9 hrs *3.6%*	103.4 hrs *4.9%*

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

Container Transportation Performance: Western Corridor

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

	Mar'25 (in hrs)		Feb'25 (in hrs)
Truck	26.8	↑	21.3
Train	73.4	↑	64.2
Overall	31.7	↑	25.4

CFS/ ICD Dwell Time

	Mar'25 (in hrs)		Feb'25 (in hrs)
CFS	88.7	↑	85.5
ICD	157.0	↓	162.9

Container Lifecycle (Export Cycle)

Port Dwell Time

EXPORT

	Mar'25 (in hrs)		Feb'25 (in hrs)
Truck	84.1	↑	84.0
Train	119.3	↑	118.6
Overall	88.7		88.7

CFS/ ICD Dwell Time

	Mar'25 (in hrs)		Feb'25 (in hrs)
CFS	62.9	↑	62.0
ICD	108.5	↑	103.4

↓ ↑ 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): 64.3

Y-Axis: No. of Boxes
Threshold value (no. of boxes): 50,065

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

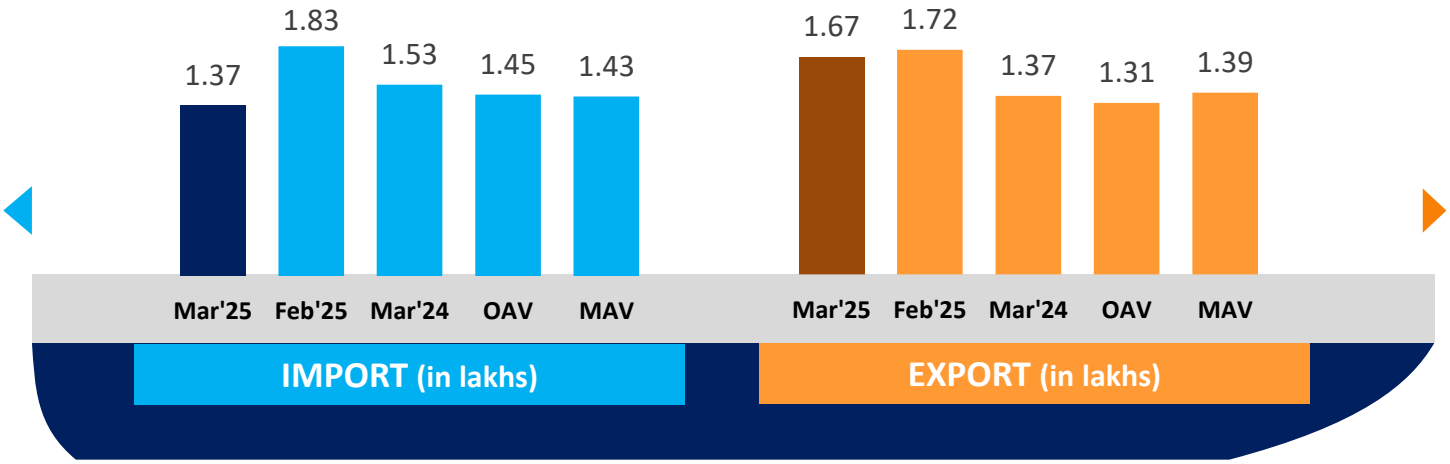
High Potential ★★
Entities with low container count and low dwell time

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

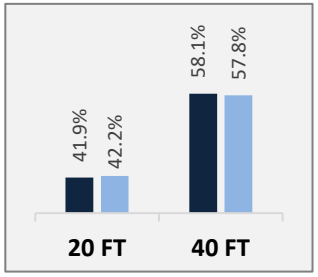
Needs Improvement ★
Entities with low container count and high dwell time

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

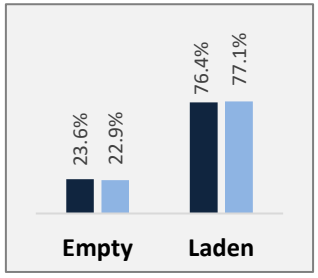
Jawaharlal Nehru Port Authority



Container Size-wise (Import)

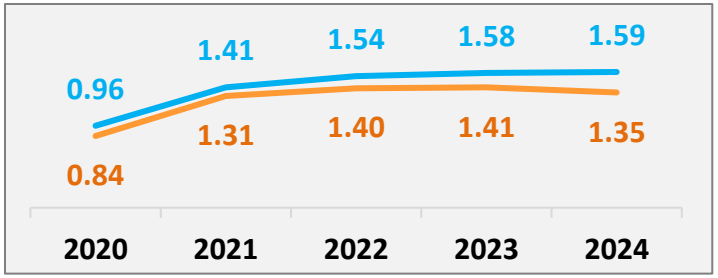


Container Type-wise (Import)



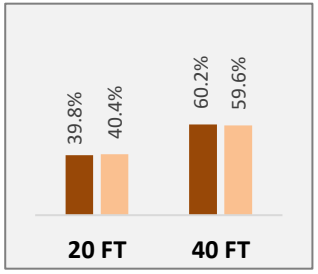
Mar'25 Feb'25

Container Count - Annual Average (in lakhs/ month)

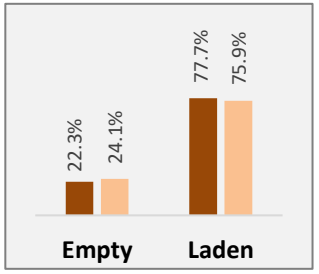


IMPORT EXPORT

Container Size-wise (Export)



Container Type-wise (Export)



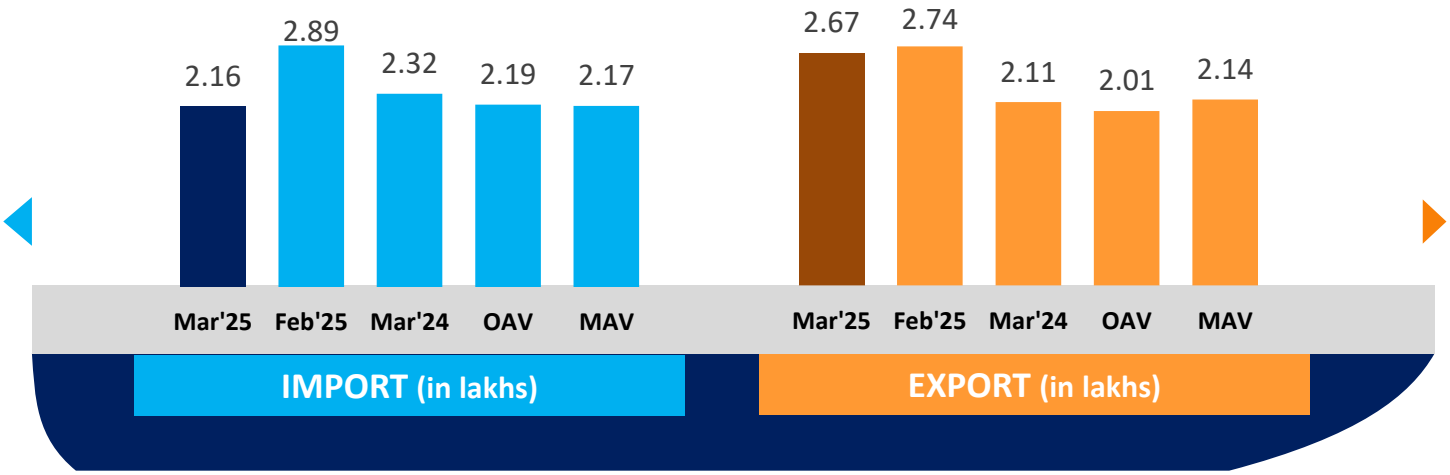
Mar'25 Feb'25

OAV – Overall Avg Volume
MAV – Monthly Avg Volume

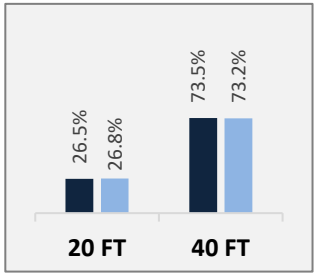
Note: All above figures are in no. of boxes

Container Volume (TEUs): JNPA Port Terminals

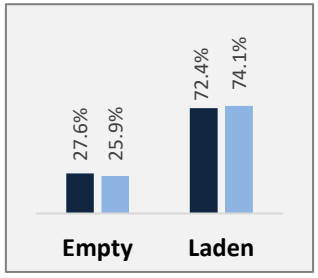
Jawaharlal Nehru Port Authority



Container Size-wise (Import)

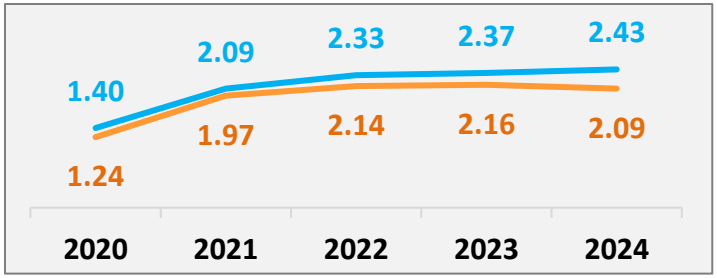


Container Type-wise (Import)



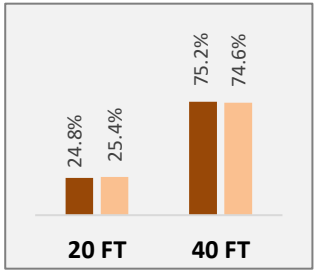
Mar'25 Feb'25

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

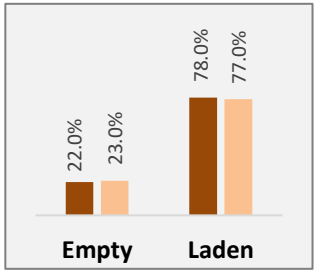


IMPORT EXPORT

Container Size-wise (Export)



Container Type-wise (Export)



Mar'25 Feb'25

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

	Mar'25 (in hrs)		Feb'25 (in hrs)
Truck	24.6	↑	21.5
Train	76.2	↑	70.3
Overall	28.3	↑	25.1

Transit Time

	Mar'25 (in hrs)		Feb'25 (in hrs)
Port to CFS	2.5		2.5
Port to ICD	97.3	↓	103.9

CFS/ ICD Dwell Time

	Mar'25 (in hrs)		Feb'25 (in hrs)
CFS	79.6	↑	76.3
ICD	157.0	↓	162.9

Volume distribution at port terminal – Truck/Train

	Truck	Train
Import	84%	16%
Export	82%	18%

Container Lifecycle (Export Cycle)

EXPORT

	Mar'25 (in hrs)		Feb'25 (in hrs)
Truck	73.1	↑	71.6
Train	89.4	↓	92.3
Overall	74.4	↑	72.8

	Mar'25 (in hrs)		Feb'25 (in hrs)
CFS to Port	4.8	↓	6.5
ICD to Port	89.8	↓	93.8

	Mar'25 (in hrs)		Feb'25 (in hrs)
CFS	61.8	↓	67.9
ICD	108.5	↑	103.4

↓ ↑ Indicates decrease/ increase in time from last month

Container Transportation: JNPA Port Terminals

Import Cycle	Particulars		Mar'25 (in hrs)	Feb'25 (in hrs)
	Dwell Time	Overall Dwell Time	28.3	25.1
		Truck Bound Containers	24.6	21.5
		Train Bound Containers	76.2	70.3
		Direct Port Delivery (DPD) containers	28.0	25.8
		Containers bound for CFS	20.0	18.9
		Empty Containers	48.0	40.8
		Laden Containers	23.6	21.4
	Transit Time	Port to ICD	97.3	103.9
		Port to CFS	2.5	2.5

Export Cycle	Particulars		Mar'25 (in hrs)	Feb'25 (in hrs)
	Dwell Time	Overall Dwell Time	74.4	72.8
		Truck Bound Containers	73.1	71.6
		Train Bound Containers	89.4	92.3
		Direct Port Entry (DPE) containers	78.5	75.6
		Containers bound from CFS	70.6	70.9
		Empty Containers	71.2	67.6
		Laden Containers	75.6	75.1
	Transit Time	ICD to Port	89.8	93.8
		CFS to Port	4.8	6.5

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	Mar'25 (in hrs)	Feb'25 (in hrs)
Gate in - Gate Out	6.0	5.8

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

	Within 2 hrs	2-4 hrs	4-8 hrs	8-16 hrs	16-24 hrs	More than 24 hrs
Parking Plaza Dwell Time	9%	22%	33%	24%	8%	4%

Parking Plaza to JNPA Port	Mar'25 (in hrs)	Feb'25 (in hrs)
Gate Out – Terminal In	2.2	1.6

Port Terminal	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	1.5	0.9
NSICT	4.2	3.8
GTI	1.6	1.1
NSIGT	2.9	2.8
BMCT	4.6	6.6

Container Count Percentage: Hour-wise (Mar'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	35%	25%	14%	8%	8%	10%
NSICT	13%	10%	13%	12%	10%	42%
GTI	37%	25%	23%	10%	2%	3%
NSIGT	27%	12%	11%	10%	11%	29%
BMCT	1%	9%	15%	16%	19%	40%

CFS/ICD Performance Benchmarking & Performance Index

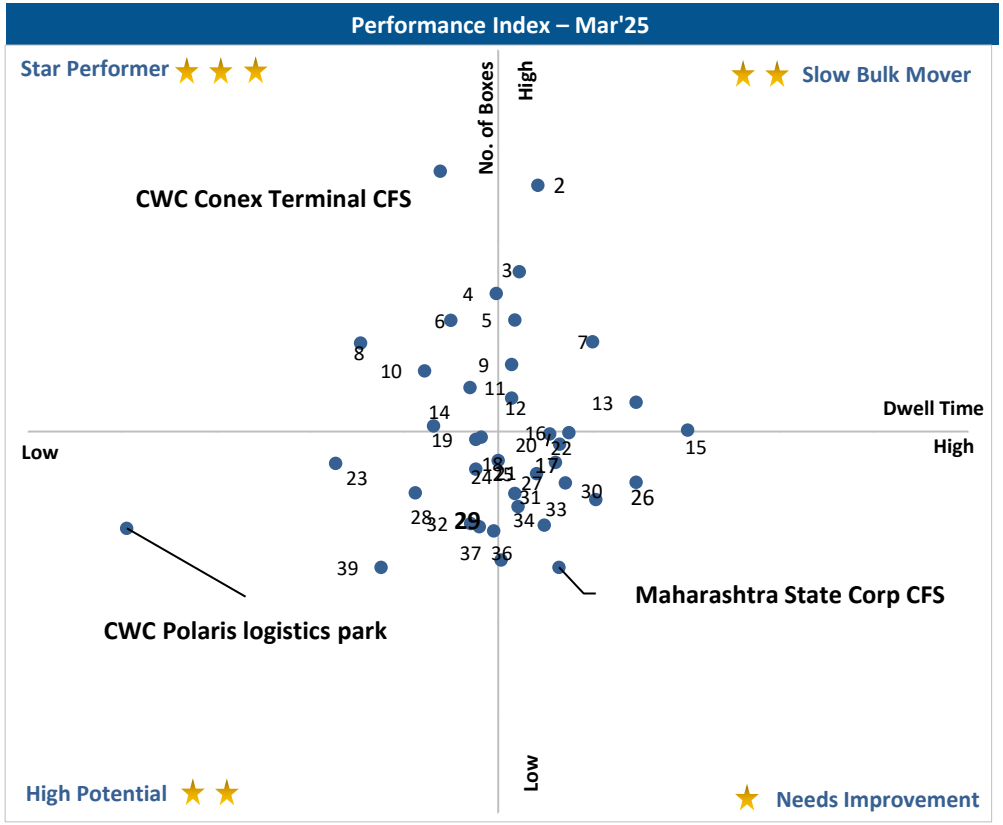
Performance Benchmarking

CFS: Western Corridor

Top Performing CFS

CWC Conex Terminal CFS

High Potential CFS	Low Performing CFS
CWC Polaris logistics park	Maharashtra State Corp CFS



X-Axis: Dwell Time

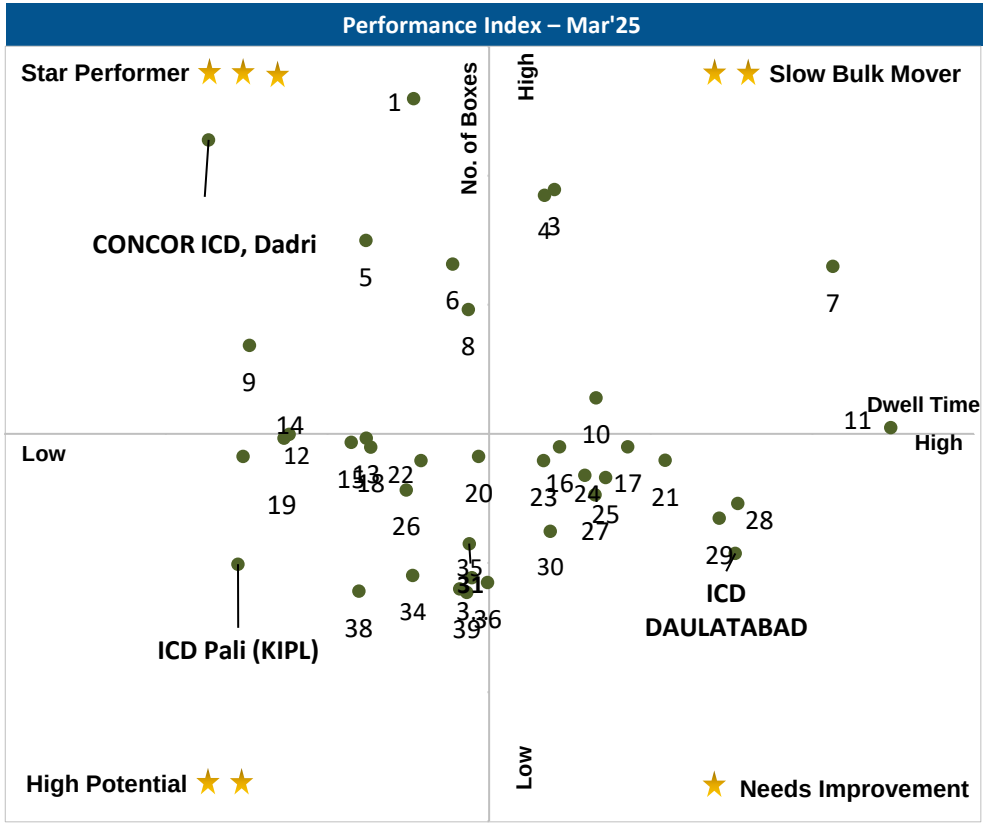
Y-Axis: No. of Boxes

ICD: PAN India

Top Performing ICD

CONCOR ICD, Dadri

High Potential ICD	Low Performing ICD
ICD Pali (KIPL)	ICD DAULATABAD



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	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	76.8	73.5
NSICT	81.4	69.6
GTI	60.6	53.1
NSIGT	89.1	91.5
BMCT	67.7	77.9

Container Handled: Hour-wise (Mar'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	8%	22%	16%	24%	19%	11%
NSICT	10%	18%	17%	10%	23%	22%
GTI	14%	24%	19%	14%	20%	9%
NSIGT	8%	15%	13%	18%	24%	22%
BMCT	17%	20%	15%	12%	14%	22%

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	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	20.4	22.1
NSICT	31.1	25.2
GTI	22.4	19.8
NSIGT	26.9	27.6
BMCT	20.3	18.8

Container Handled: Hour-wise (Mar'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	56%	25%	9%	5%	4%	1%
NSICT	39%	31%	14%	7%	5%	4%
GTI	53%	32%	10%	3%	2%	-
NSIGT	45%	27%	13%	7%	5%	3%
BMCT	57%	22%	11%	5%	4%	1%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

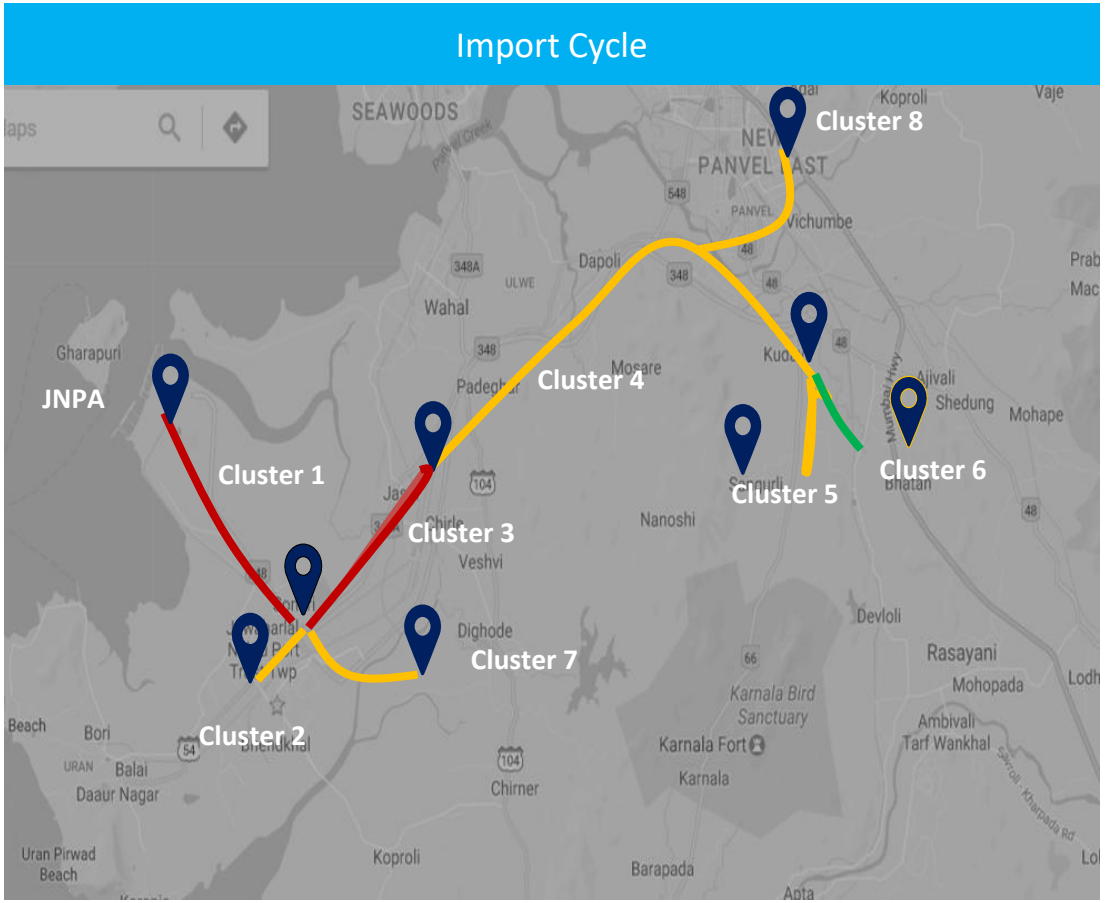
The below table depicts the detailed JNPA region port performance in the month of Mar'25

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	20.4	14.7	46.5	19.0
NSICT	53.7	26.3	59.5	27.4
GTI	35.7	19.8	34.9	24.1
NSIGT	54.6	19.9	52.4	26.3
BMCT	22.4	17.0	46.9	17.9

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 Mar'25



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	8.00%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	30.36%	Medium
Cluster 3	Sonari Area,JNPA Road	2	13.41%	High
Cluster 4	Chirle Area, JNPA Road	1	1.61%	Medium
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	13.97%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	19.07%	Low
Cluster 7	Patilpada Area, Khopate JNPA Road	3	12.48%	Medium
Cluster 8	Taloja, Navi Mumbai	1	1.10%	Medium

Congestion Level — High — Medium — Low

JNPA Region Import Cycle: Container Movement

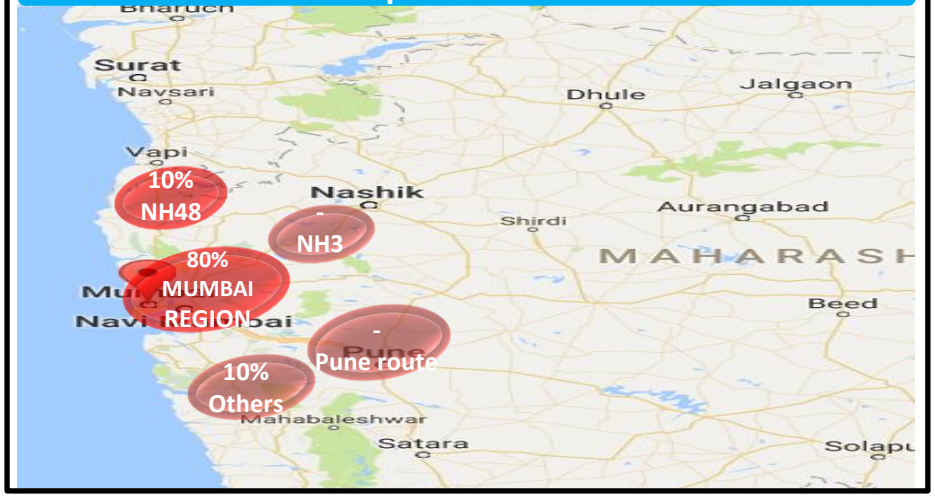
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Mar'25
Mumbai region	80%
NH3	-
Pune	-
NH48	10%
Others	10%

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

Heat Map via Truck: Mar'25



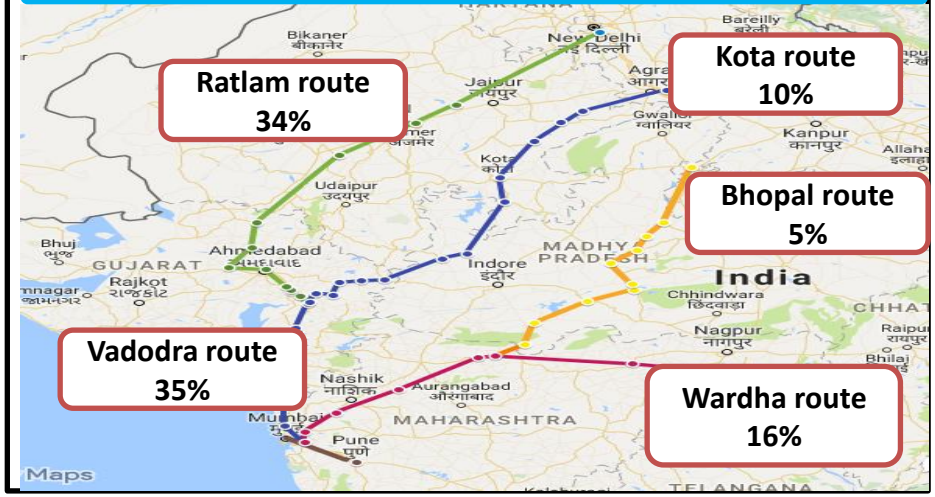
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Mar'25
Vadodra Route	35%
Ratlam Route	34%
Wardha Route	16%
Kota Route	10%
Bhopal Route	5%

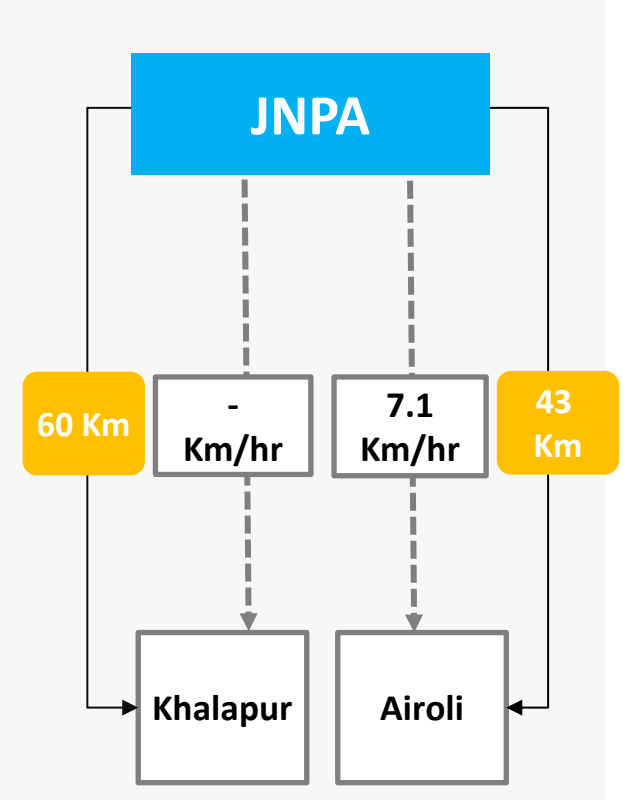
The map depicts the volume wise container movement through different railway routes in import cycle

Container movement via Train – Mar'25



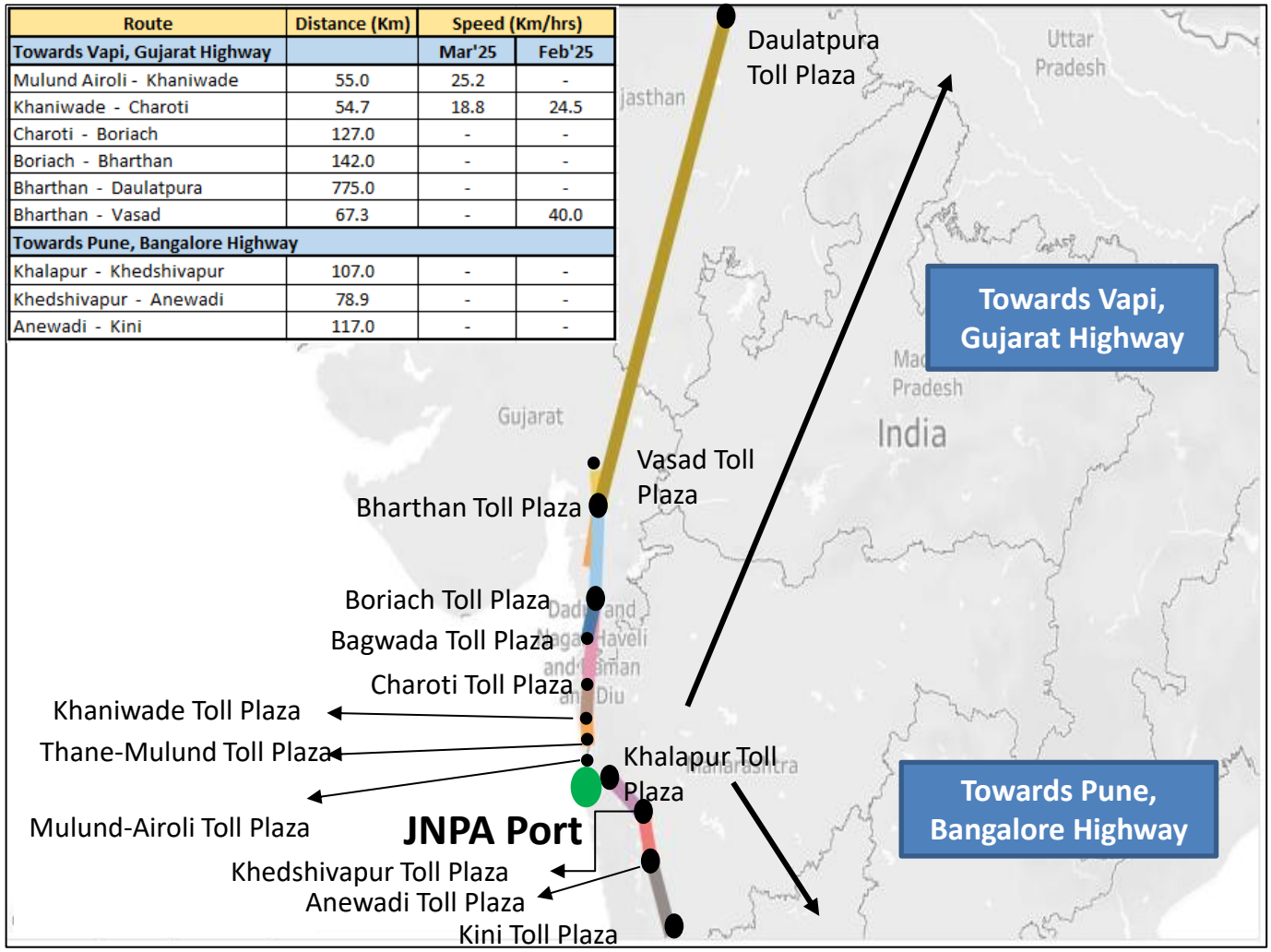
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (Km/hrs)	
Towards Vapi, Gujarat Highway		**Mar'25**	**Feb'25**
Mulund Airoli - Khaniwade	55.0	25.2	-
Khaniwade - Charoti	54.7	18.8	24.5
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	-	40.0
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
(18% of total export container volume)

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

Export Cycle		
Port Terminals	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	93.6	94.0
NSICT	38.5	16.4
GTI	96.2	117.3
NSIGT	112.2	106.7
BMCT	103.5	110.2

Container Handled: Hour-wise (Mar'25)

Port Terminals	Within 0-24 hrs	24-48 hrs	48-72 hrs	72-96 hrs	96-144 hrs	More than 144 hrs
NSFT	17%	12%	11%	12%	22%	26%
NSICT	42%	11%	9%	8%	18%	12%
GTI	2%	10%	17%	21%	28%	22%
NSIGT	1%	8%	14%	15%	32%	30%
BMCT	5%	13%	13%	16%	21%	32%

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

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

Export Cycle		
Port Terminals	Mar'25 (in hrs)	Feb'25 (in hrs)
NSFT	76.4	74.0
NSICT	69.8	62.4
GTI	72.7	76.3
NSIGT	82.4	72.5
BMCT	69.5	70.7

Container Handled: Hour-wise (Mar'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%	14%	25%	24%	27%	4%
NSICT	7%	20%	25%	23%	21%	4%
GTI	4%	18%	27%	25%	25%	1%
NSIGT	3%	11%	23%	28%	27%	8%
BMCT	6%	20%	28%	25%	18%	3%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

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

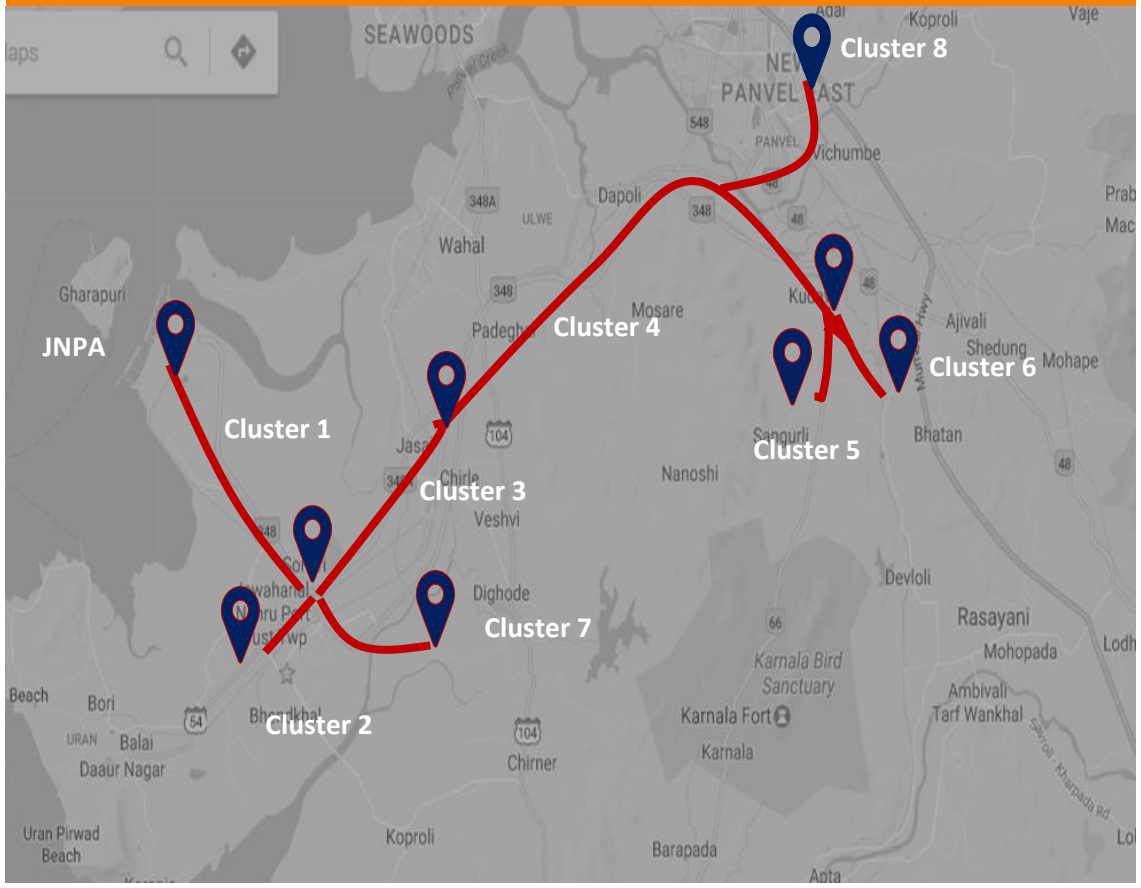
Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	**Direct Port Entry (DPE) Containers-Truck**	**Containers bound from CFS**	**Empty Containers**	**Laden Containers**
NSFT	78.7	75.4	71.3	78.7
NSICT	72.2	64.6	68.8	65.6
GTI	76.3	73.2	72.0	77.2
NSIGT	87.9	78.5	78.2	86.8
BMCT	-	67.6	69.7	73.5

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 Import Cycle in month of Mar'25

Export Cycle



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	5.43%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	20.12%	High
Cluster 3	Sonari Area,JNPA Road	2	12.94%	High
Cluster 4	Chirle Area, JNPA Road	1	0.40%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	18.24%	High
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	35.76%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	6.05%	High
Cluster 8	Taloja, Navi Mumbai	1	1.06%	High

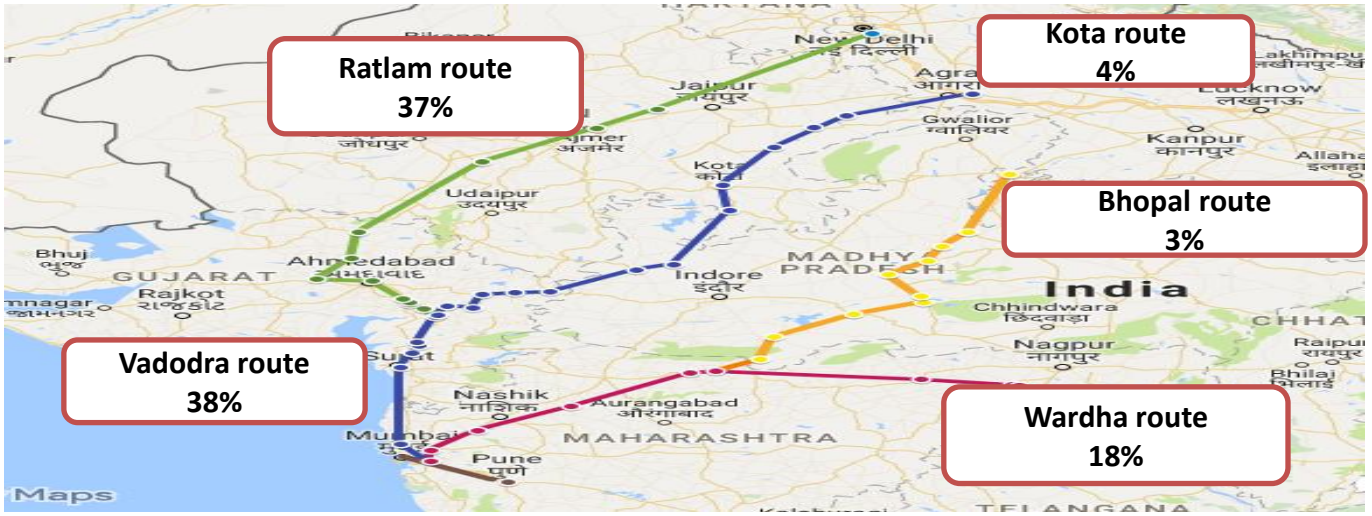
Congestion Level — High — Medium — Low

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	38%
Ratlam Route	37%
Wardha Route	18%
Kota Route	4%
Bhopal Route	3%

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

Container movement via Train – Mar'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 Mar'25 and Feb'25

CFS Dwell Time (in hrs.)					
CFS	Mar'25 (in hrs)	Feb'25 (in hrs)	CFS	Mar'25 (in hrs)	Feb'25 (in hrs)
AllCargo Logistics CFS,Mumbai	80.9	71.8	JWC Logistics Park CFS	83.8	78.0
Ameya Logistics CFS, Navi Mumbai	77.1	67.4	JWR CFS	55.5	60.1
APM (Maersk India) CFS, Navi Mumbai	77.2	89.2	Maharashtra State Corp CFS	91.4	83.9
Ashte Logistics CFS, Panvel	89.9	73.7	Navkar Corporation Yard 2 CFS, Panvel	78.6	86.3
CWC Conex Terminal CFS	72.3	73.3	Navkar Corporation Yard 3 CFS, Panvel	92.4	84.8
CWC Dronagiri CFS, Navi Mumbai	78.0	84.2	Punjab Conware CFS, Navi Mumbai	78.9	83.9
CWC Impex Park CFS, Navi Mumbai	84.3	76.6	Sarveshwar CFS	81.6	75.9
CWC Polaris logistics park	21.9	20.7	Seabird CFS, Navi Mumbai	78.0	80.1
EFC Logistics India	71.2	69.7	Speedy Multimode CFS, JNPT	69.8	78.9
Gateway Distriparks CFS, Navi Mumbai	74.0	69.9	Take Care Logistics CFS	82.1	-
International Cargo Terminal CFS	68.3	69.6	Transworld Terminals CFS,Mumbai	84.8	75.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	87.8	73.4			

ICD Performance

Below tables show the dwell time of the respective ICDs for Mar’25 and Feb’25

ICD Dwell Time (in hrs.)

ICD	Mar'25 (in hrs)	Feb'25 (in hrs)
Adani ICD, Tumb	71.8	84.7
CFS VALLARPADAM	142.6	162.5
CONCOR ICD, Aurangabad	94.9	190.0
CONCOR ICD, Dadri	63.2	65.5
CONCOR Kanakpura ICD, Jaipur	96.5	92.2
CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTVT-T)	79.1	79.2
Continental Warehousing Corporation Nhava Sheva Ltd ICD,Haryana	93.3	96.6
Dronagiri Rail Terminal CFS, Navi Mumbai	106.5	90.8
Gateway Rail Freight ICD, Pyala	135.3	122.3
Gateway Rail ICD, Sahnewal	118.0	111.2
Hind Terminals Logistics Park ICD, Palwal	145.0	134.5
HTPL ICD Qilaraipur Ludhiana	195.0	158.0
ICD ANKLESHWAR	97.4	92.3
ICD BGKT, JODHPUR	80.2	78.9
ICD DAULATABAD	174.4	170.6
ICD DDL, LUDHIANA	70.5	67.6
ICD Jajpur (Jindal Stainless Ltd.)	106.3	145.0
ICD KANPUR	118.2	116.2
ICD KHODIYAR	96.4	94.5
ICD KIFTPL Kashipur	116.2	116.6

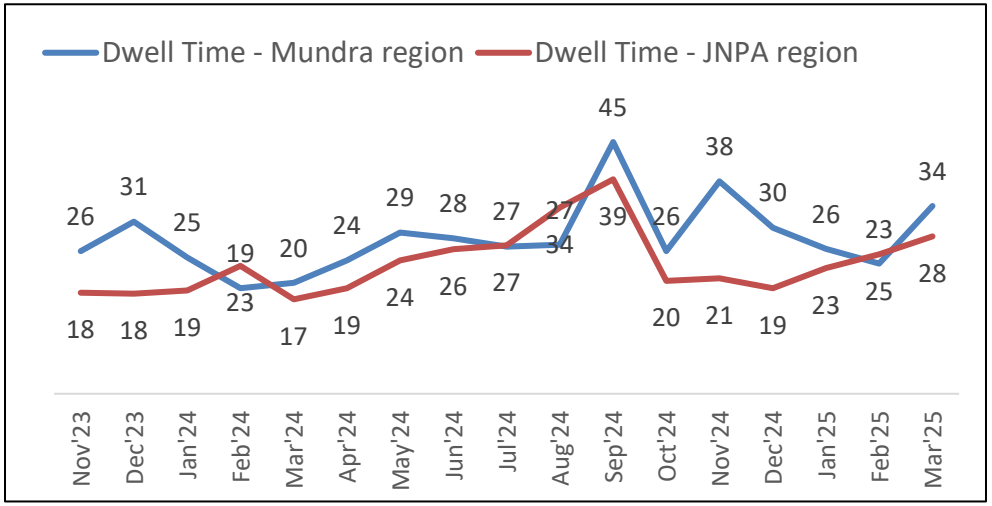
ICD	Mar'25 (in hrs)	Feb'25 (in hrs)
ICD MANDIDEEP	159.6	176.9
ICD Pali (KIPL)	69.4	-
ICD SANATHNAGAR	114.7	117.2
ICD Vemgal (Sattva Logistics)	117.7	-
ICD WHITEFIELD	136.2	115.0
KLPL ICD, Kanpur	108.0	91.4
Kribhco ICD, Meerut	144.8	176.7
MMLP BALLI	118.8	139.5
MMLP BARHI	133.9	114.2
MMLP KHATUWAS	104.9	137.2
MMLP MIHAN	137.3	125.8
MMLP TIHI	171.0	214.7
MMLP VARNAMA	174.9	170.7
MMLP VISHAKAPATNAM	207.2	191.8
Pegasus Inland Container Depot	122.1	129.7
Pristine ICD Chawapail , Ludhiana	120.2	108.3
The Thar Dry Port ICD Ahmedabad	134.1	123.0
The Thar Dry Port Jodhpur	151.7	107.9
Vaishno Container Terminal-ICD Tarapur	147.0	110.2

Trend Analysis

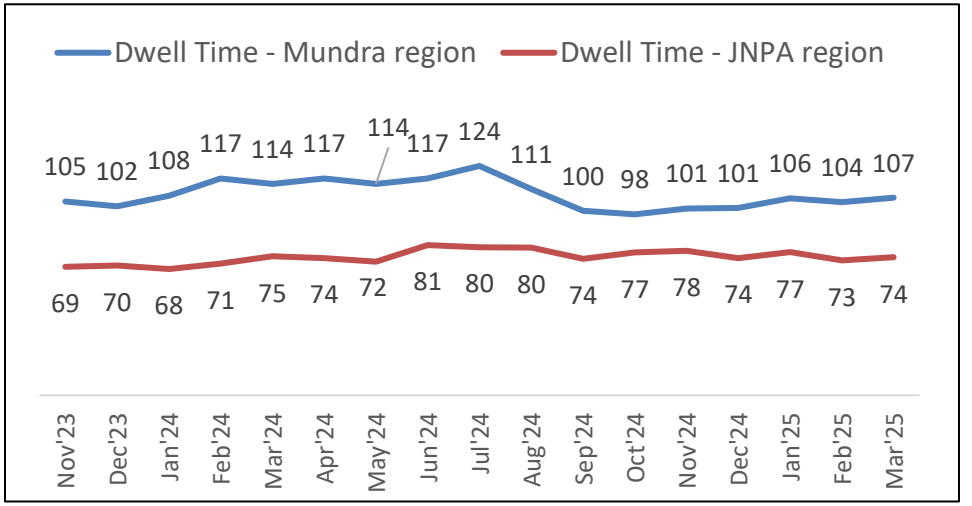
Western Corridor Port: Yearly Analysis

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

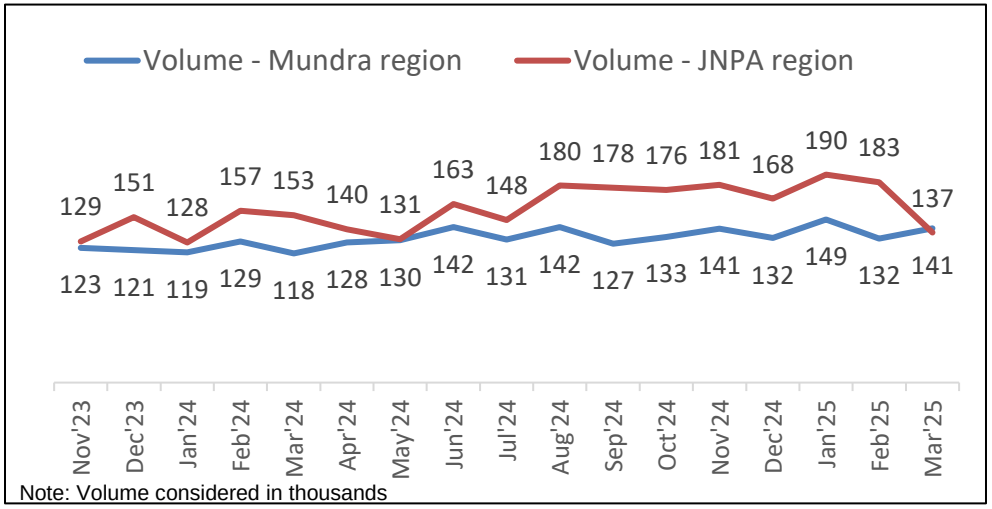
Import Dwell Time – Mundra Region Vs JNPA Region



Export Dwell Time – Mundra Region Vs JNPA Region

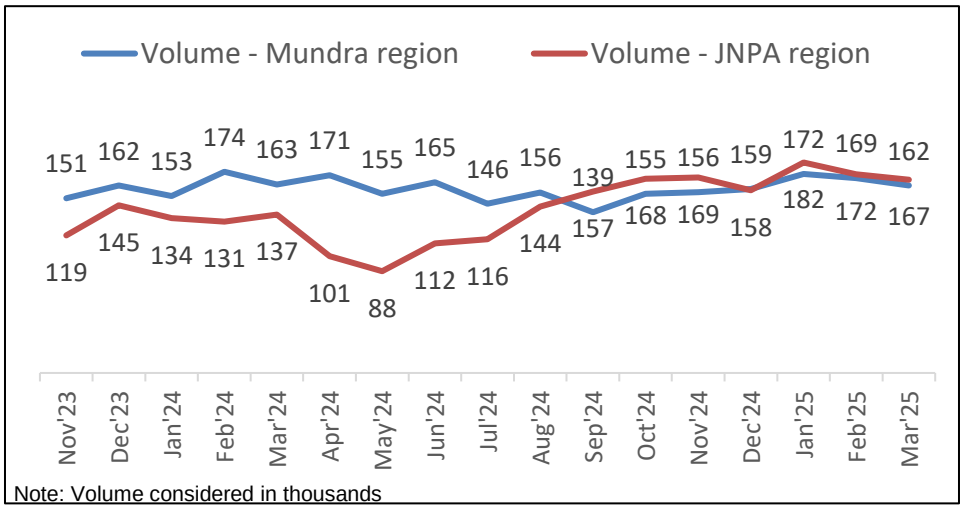


Import Volume – Mundra Region Vs JNPA Region



Note: Volume considered in thousands

Export Volume – Mundra Region Vs JNPA Region

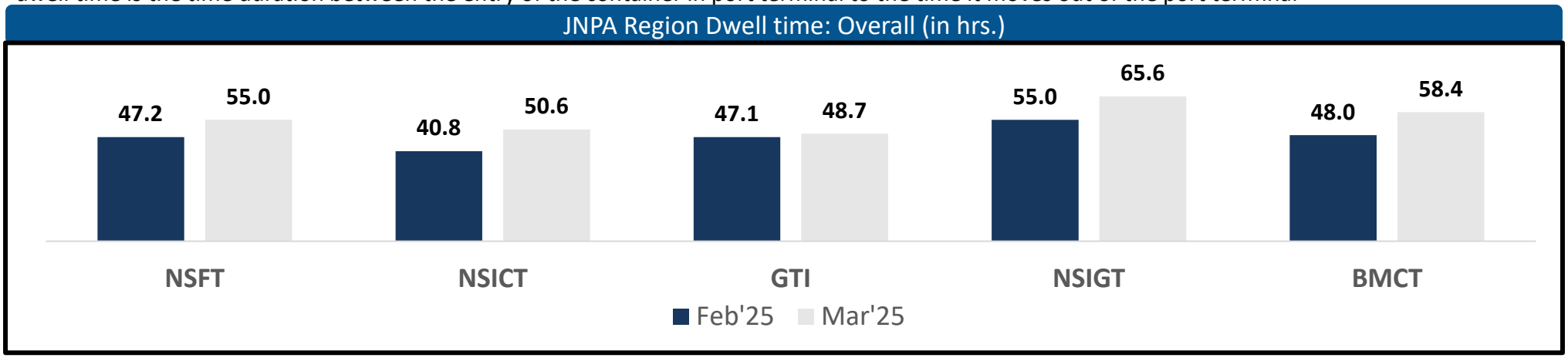


Note: Volume considered in thousands

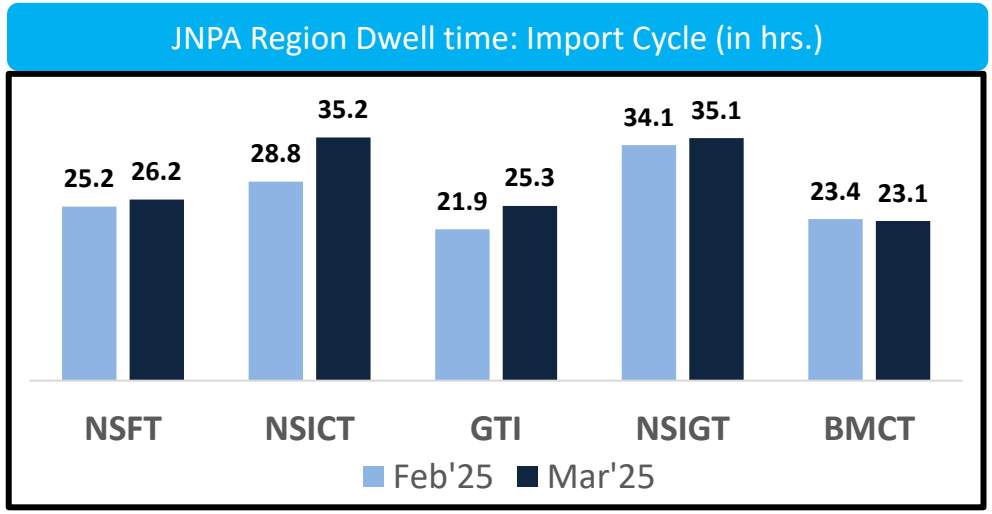
JNPA Port Dwell Time Trend: Month on Month

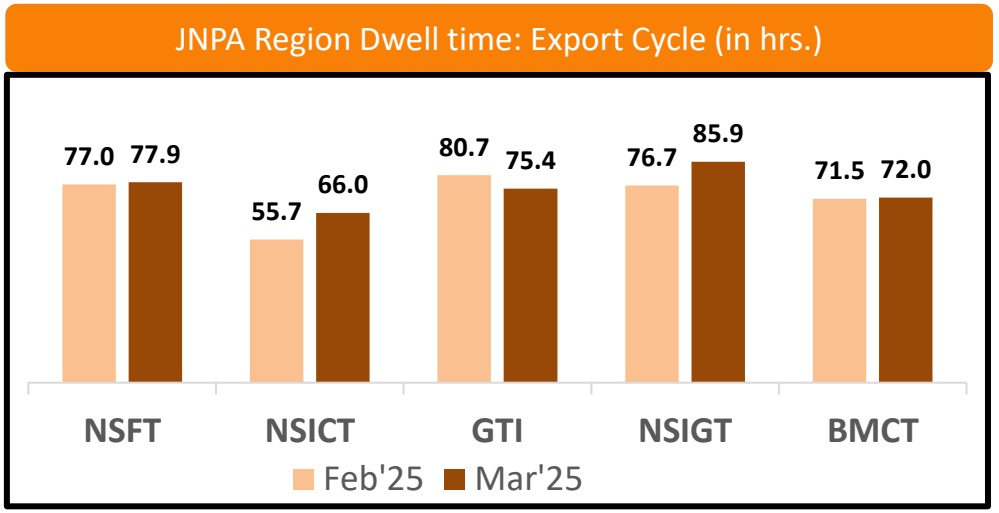
JNPA Port Dwell Time Trend :

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



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

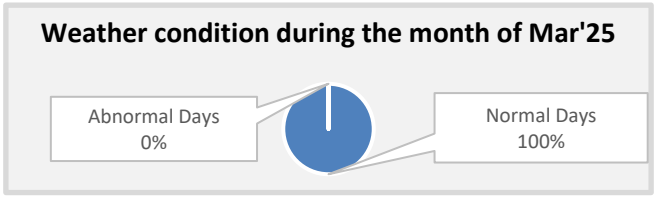




Weather Analysis

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

Mar' 25

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	28.3	
Volume % share	100%	-

Yearly (Jan'24 to Dec'24)

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	20.5	29.8 (45%)
Volume % share	66%	34%

EXPORT CYCLE

Mar' 25

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	74.4	
Volume % share	100%	-

Yearly (Jan'24 to Dec'24)

Dwell Time (in hrs.)	Normal Weather	Abnormal Weather
	73.8	78.3 (6%)
Volume % share	68%	32%

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)

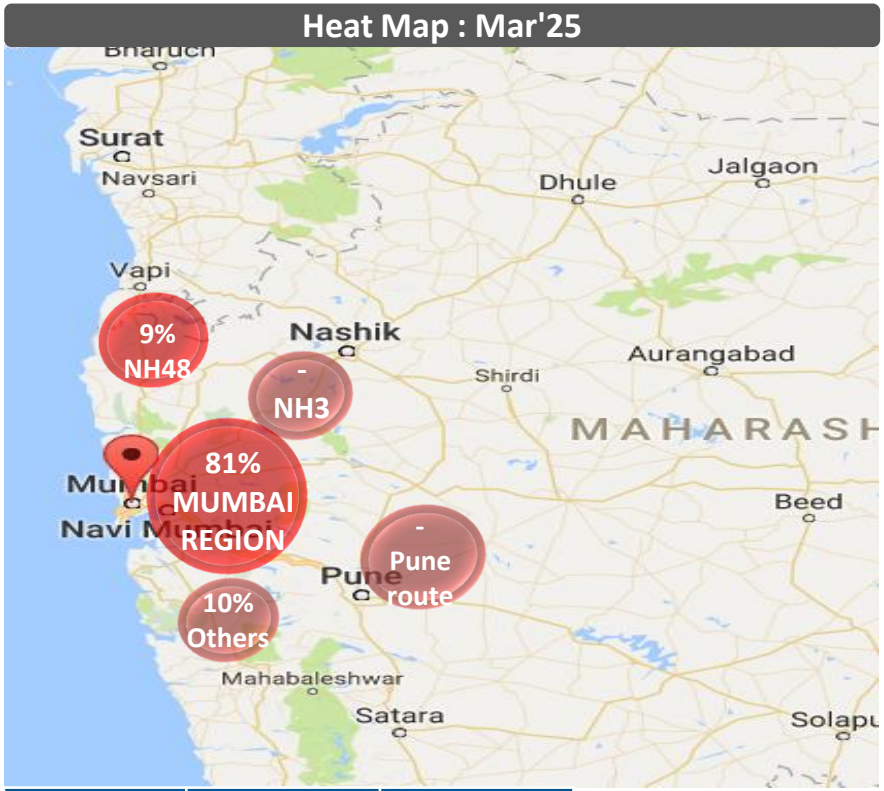
IMPORT CYCLE		
Terminal Name	**Normal Weather Mar'25 (in hrs)**	**Abnormal Weather Mar'25 (in hrs)**
Nhava Sheva Freeport Terminal (NSFT)	26.2	-
Nhava Sheva International Container Terminal (NSICT)	35.2	-
Gateway Terminals India (GTI)	25.3	-
Nhava Sheva India Gateway Terminal (NSIGT)	35.1	-
Bharat Mumbai Container Terminals(PSA)	23.1	-

EXPORT CYCLE		
Terminal Name	**Normal Weather Mar'25 (in hrs)**	**Abnormal Weather Mar'25 (in hrs)**
Nhava Sheva Freeport Terminal (NSFT)	77.9	-
Nhava Sheva International Container Terminal (NSICT)	66.0	-
Gateway Terminals India (GTI)	75.4	-
Nhava Sheva India Gateway Terminal (NSIGT)	85.9	-
Bharat Mumbai Container Terminals(PSA)	72.0	-

ANNEXURE

Container Movement Around JNPA Port Terminal Region Via Truck

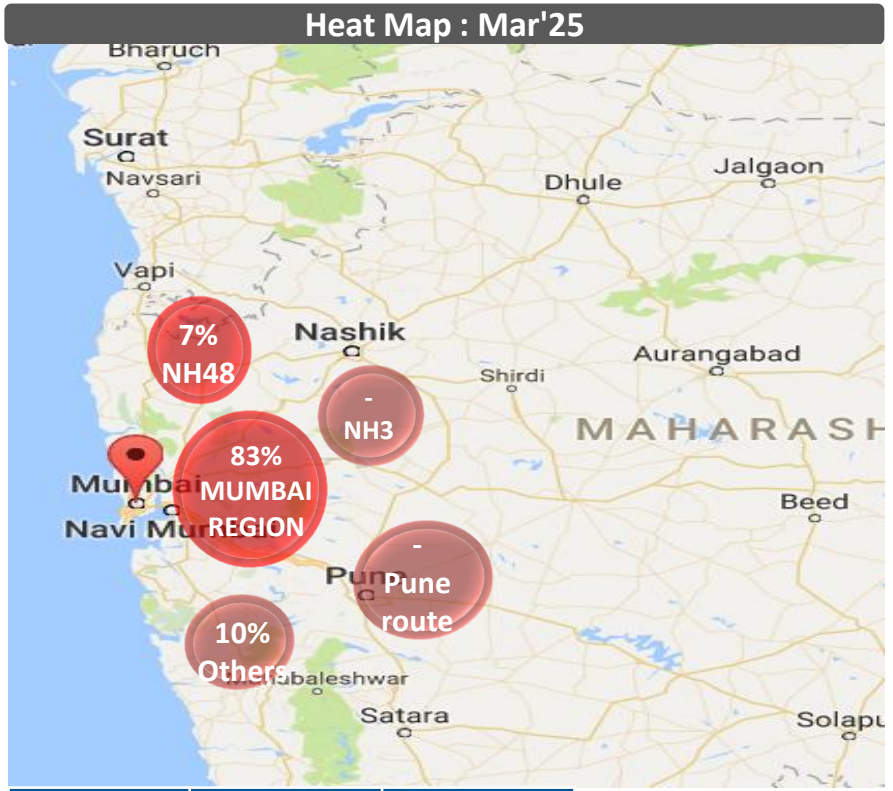
HEAT MAP : GTI Port Terminal



Region	Mar'25	Feb'25
Mumbai region	81%	85%
NH3	-	-
Pune	-	-
NH48	9%	5%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

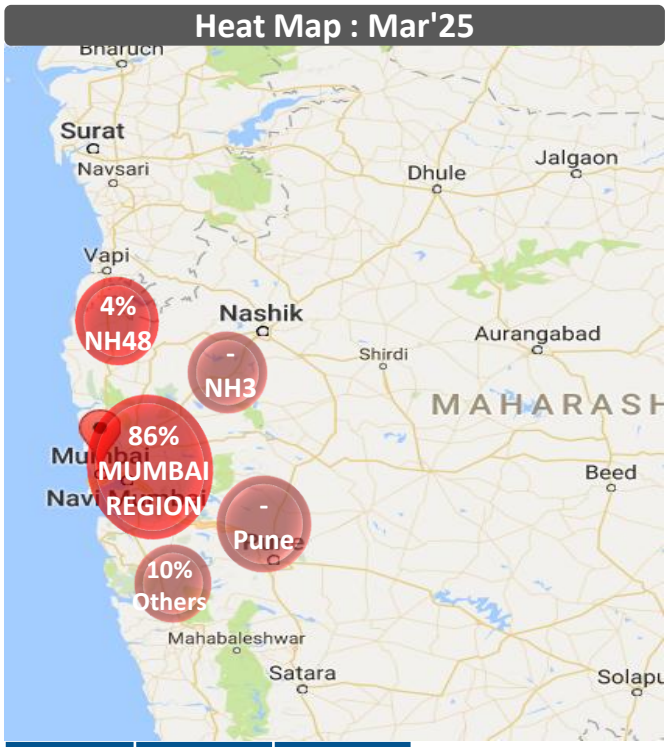


Region	Mar'25	Feb'25
Mumbai region	83%	88%
NH3	-	-
Pune	-	-
NH48	7%	2%
others	10%	10%

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

Container Movement Around JNPA Port Terminal Region Via Truck

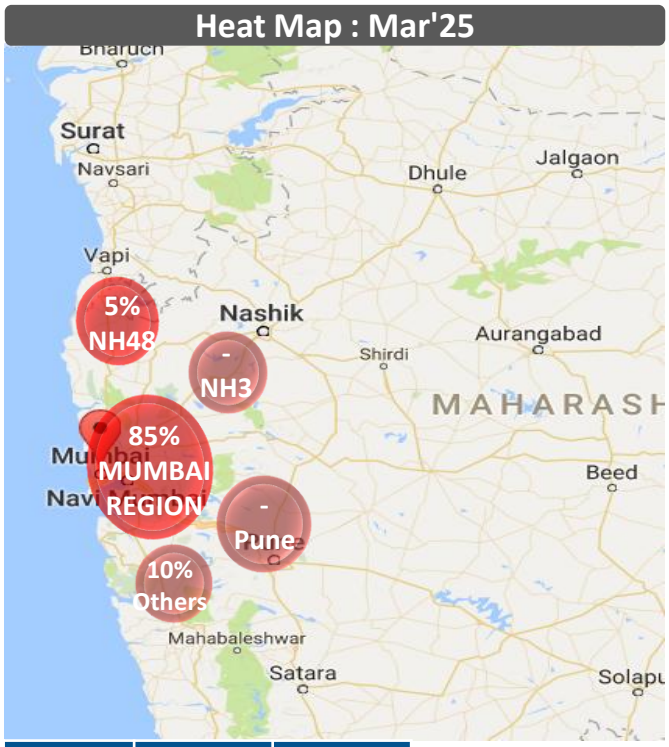
HEAT MAP : NSIGT Port Terminal



Region	Mar'25	Feb'25
Mumbai region	86%	89%
NH3	-	-
Pune	-	-
NH48	4%	1%
others	10%	10%

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

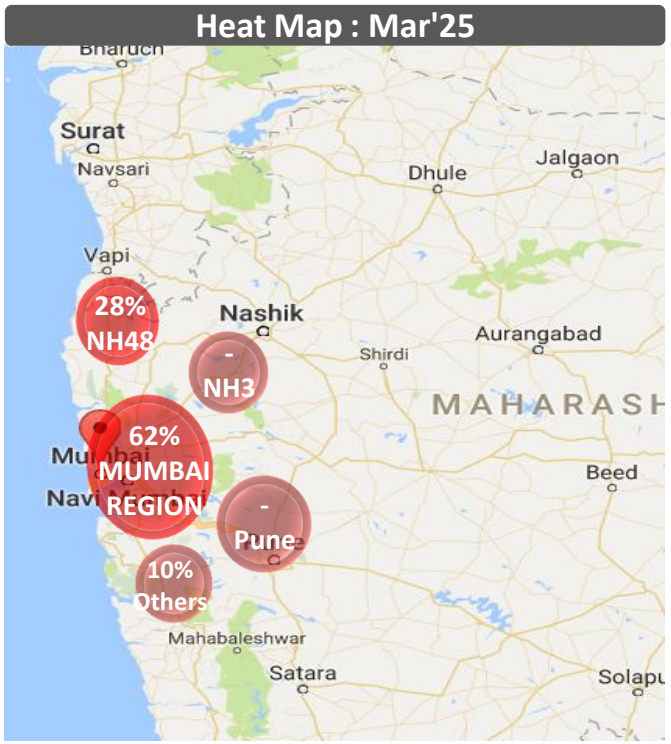
HEAT MAP : NSICT Port Terminal



Region	Mar'25	Feb'25
Mumbai region	85%	88%
NH3	-	-
Pune	-	-
NH48	5%	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	Mar'25	Feb'25
Mumbai region	62%	86%
NH3	-	-
Pune	-	-
NH48	28%	4%
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) – Mar'25 (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	2.6	3.3	4.3	3.2	2.9
Ameya Logistics CFS, Navi Mumbai	2.1	2.6	3.0	2.3	2.3
APM (Maersk India) CFS, Navi Mumbai	1.9	2.5	2.8	1.8	2.0
Apollo Logisolutions CFS, Panvel	3.1	5.4	-	2.9	-
Ashte Logistics CFS, Panvel	3.0	2.8	3.4	2.5	2.8
Balmer & Lawrie CFS, Navi Mumbai	2.3	2.1	3.0	2.5	2.2
CWC Conex Terminal CFS	1.6	2.0	4.0	1.8	1.8
CWC Dronagiri CFS, Navi Mumbai	1.9	1.6	3.9	1.4	1.8
CWC Impex Park CFS, Navi Mumbai	2.2	2.6	4.1	2.8	2.5
CWC Polaris logistics park	1.5	1.8	1.9	1.7	1.6
EFC Logistics India	1.6	2.3	2.1	1.9	1.9
Gateway Distriparks CFS, Navi Mumbai	3.1	2.5	3.1	3.0	2.2
International Cargo Terminal CFS	2.0	2.5	2.2	2.1	1.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.2	2.0	1.7	1.8	1.7
JWC Logistics Park CFS	2.8	4.4	6.9	4.6	4.4
JWR CFS	7.5	4.2	-	9.0	6.4

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

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Kerry Indev Logistics CFS,Mumbai	2.2	2.8	2.6	2.5	2.7
Maersk Annex (APM)CFS, Navi Mumbai	-	2.4	2.6	2.3	2.0
Maharashtra State Corp CFS	1.8	2.0	2.3	1.5	1.8
Navkar Corporation Yard 1 CFS, Panvel	1.7	2.3	4.0	2.5	2.6
Navkar Corporation Yard 2 CFS, Panvel	2.7	2.8	2.9	2.7	2.8
Navkar Corporation Yard 3 CFS, Panvel	2.1	3.3	4.2	2.6	3.1
Ocean Gate CFS, Panvel	2.5	3.4	2.8	3.2	2.6
Punjab Conware CFS, Navi Mumbai	1.5	1.8	3.4	2.9	1.7
Sarveshwar CFS	1.9	2.3	2.7	2.0	2.0
SBW Logistics CFS, Navi Mumbai	5.8	4.5	6.3	-	4.1
Seabird CFS, Navi Mumbai	3.6	4.0	6.0	4.6	4.4
Speedy Multimode CFS, JNPT	1.5	1.5	2.0	1.5	1.6
Take Care Logistics CFS	2.2	3.6	4.5	2.7	3.0
Transworld Terminals CFS,Mumbai	1.4	1.5	1.4	1.3	1.4
Vaishno Logistics CFS, Navi Mumbai	2.1	3.0	3.7	1.6	2.5

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

CFS Out – Port In (Export Cycle) – Mar'25 (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	2.5	10.6	8.3	3.0	12.9
Ameya Logistics CFS, Navi Mumbai	2.2	5.4	7.8	3.9	5.0
APM (Maersk India) CFS, Navi Mumbai	2.0	5.6	5.5	2.7	6.9
Ashte Logistics CFS, Panvel	2.8	5.4	4.8	5.0	6.7
Balmer & Lawrie CFS, Navi Mumbai	4.5	3.3	9.9	1.2	4.4
CWC Conex Terminal CFS	2.7	4.1	5.1	4.0	5.3
CWC Dronagiri CFS, Navi Mumbai	2.4	4.8	5.2	2.8	3.6
CWC Impex Park CFS, Navi Mumbai	4.5	3.9	10.1	5.0	6.2
CWC Polaris logistics park	-	12.9	10.1	-	10.1
EFC Logistics India	3.1	6.8	5.6	12.0	5.1
Gateway Distriparks CFS, Navi Mumbai	2.6	6.2	3.8	5.5	5.4
International Cargo Terminal CFS	2.3	4.0	6.8	4.6	5.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	4.6	4.8	6.8	3.7	5.1
JWC Logistics Park CFS	3.0	4.1	5.8	4.8	6.2

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

CFS Out – Port In (Export Cycle) – Mar'25 (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	2.8	3.6	6.4	4.0	5.7
Kerry Indev Logistics CFS,Mumbai	6.4	11.5	4.5	7.1	5.4
Maersk Annex (APM)CFS, Navi Mumbai	6.3	-	4.1	4.4	-
Maharashtra State Corp CFS	2.3	1.6	4.1	-	4.3
Navkar Corporation Yard 2 CFS, Panvel	3.6	9.6	6.7	2.4	8.9
Navkar Corporation Yard 3 CFS, Panvel	3.7	4.4	6.3	4.3	7.4
Ocean Gate CFS, Panvel	3.5	4.6	6.6	4.1	6.1
Punjab Conware CFS, Navi Mumbai	2.0	3.7	4.2	3.6	5.9
Sarveshwar CFS	4.1	8.0	9.2	5.2	6.7
SBW Logistics CFS, Navi Mumbai	4.4	-	11.7	11.3	9.2
Seabird CFS, Navi Mumbai	4.0	4.1	6.6	4.5	5.4
Speedy Multimode CFS, JNPT	2.4	4.6	4.3	3.5	4.7
Take Care Logistics CFS	3.1	7.7	4.1	2.8	6.6
Transworld Terminals CFS,Mumbai	2.4	3.9	6.9	2.6	6.1
Vaishno Logistics CFS, Navi Mumbai	2.5	30.3	19.1	5.8	6.8

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 terminals

CFS Cluster : GTI Terminal

GTI terminal for month of Mar'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	1.6	4.6
Cluster 2	6	13	2.4	5.2
Cluster 3	6	11	3.4	3.8
Cluster 4	1	13	3.0	-
Cluster 5	2	25	3.8	4.1
Cluster 6	6	25	2.9	5.9
Cluster 7	4	12	2.7	5.4
Cluster 8	1	34	4.5	-

CFS Cluster : NSFT Terminal

NSFT terminal for month of Mar'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	1.6	2.4
Cluster 2	6	13	2.2	2.7
Cluster 3	6	11	3.1	2.9
Cluster 4	1	13	2.2	2.6
Cluster 5	2	25	2.7	3.1
Cluster 6	6	25	2.6	3.5
Cluster 7	4	12	2.2	2.2
Cluster 8	1	34	5.9	4.4

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 Mar'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	4.3
Cluster 2	6	13	2.7	5.5
Cluster 3	6	11	4.6	5.7
Cluster 4	1	13	3.7	-
Cluster 5	2	25	5.2	6.0
Cluster 6	6	25	3.6	6.2
Cluster 7	4	12	3.0	8.1
Cluster 8	1	34	6.3	-

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Mar'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	1.6	3.5
Cluster 2	6	13	2.2	4.8
Cluster 3	6	11	2.6	4.4
Cluster 4	1	13	1.8	5.8
Cluster 5	2	25	4.0	4.8
Cluster 6	6	25	2.6	4.4
Cluster 7	4	12	2.3	3.9
Cluster 8	1	34	-	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Mar'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	4.7
Cluster 2	6	13	2.0	5.3
Cluster 3	6	11	3.4	4.9
Cluster 4	1	13	2.6	6.8
Cluster 5	2	25	3.4	6.2
Cluster 6	6	25	3.0	7.4
Cluster 7	4	12	2.3	5.0
Cluster 8	1	34	4.1	9.2

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 Mar'25

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Ankaleshwar	104.9	54.3	131.6	118.7	-	60.9
Boisar	-	-	89.0	120.8	143.6	136.6
Dadri	113.2	-	38.5	89.7	78.1	74.4
Daulatabad	-	103.7	58.0	86.8	64.7	84.7
Faridabad	171.3	-	-	46.1	180.1	180.1
Indore	-	-	57.3	58.6	38.3	48.7
Kanpur	175.7	60.7	91.8	134.3	125.4	116.6
Khodiyar	207.8	104.7	96.5	415.2	107.3	107.9
Ludhiana	22.9	48.4	118.8	-	81.1	81.3
Malanpur	-	53.8	80.2	88.0	90.9	87.9
Mandideep	102.0	-	33.9	83.1	79.9	80.3
Moradabad	133.5	37.1	75.5	114.2	98.9	75.5
Nagpur	103.9	108.4	60.8	77.3	55.2	59.3
Navi Mumbai	15.6	-	22.8	27.6	-	23.3
Sanatnagar	57.9	-	55.8	87.0	-	63.8
Thimmapur	58.5	-	-	105.1	116.1	106.8
Tughlakabad	26.8	46.7	69.4	90.4	64.7	53.1

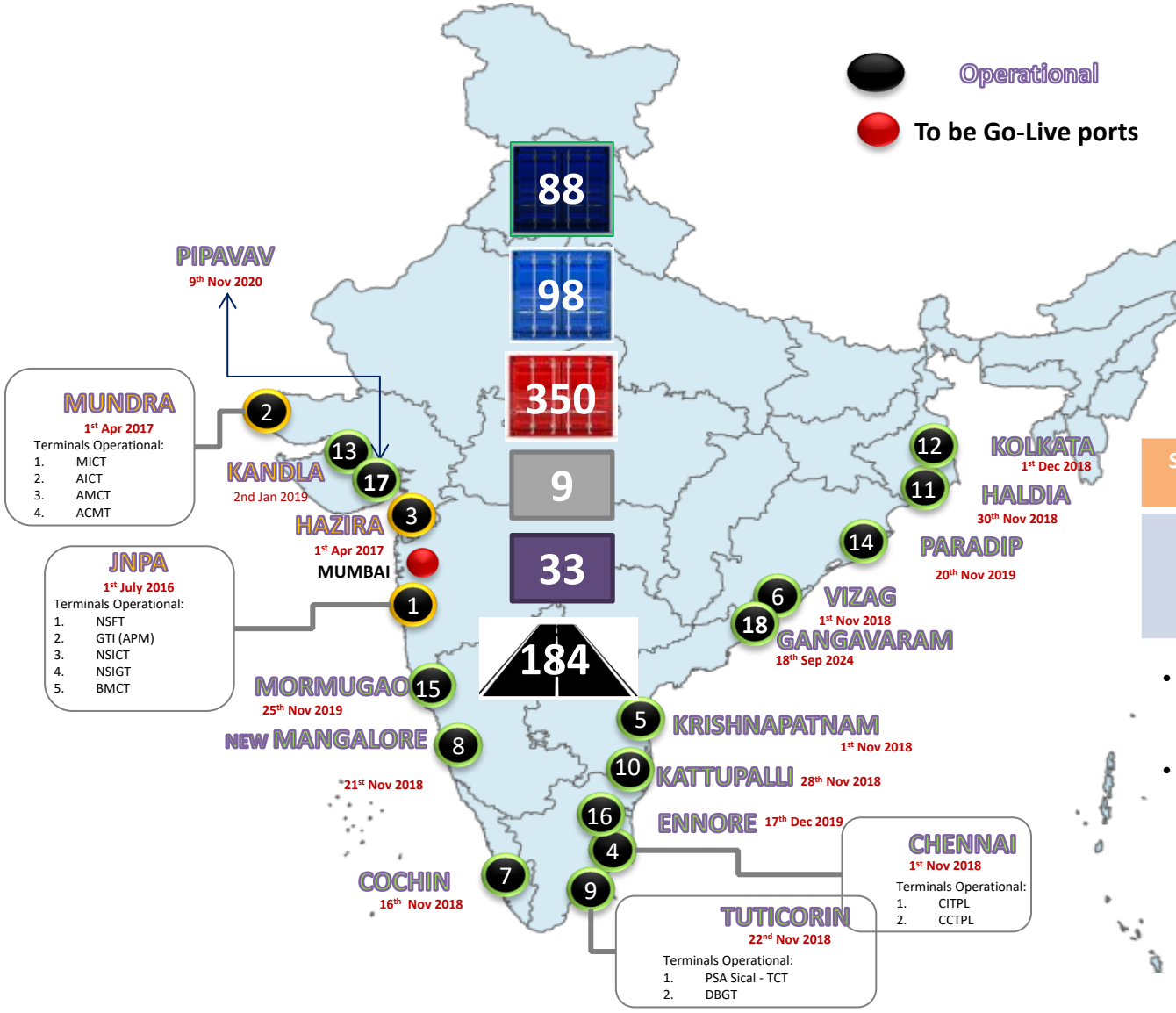
JNPA Region: Destination-wise Dwell Time- Import

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 Mar'25

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	19.7	-	-	18.8	28.4	23.8
Ameya Logistics CFS, Navi Mumbai	17.2	-	19.7	20.8	41.5	24.6
APM (Maersk India) CFS, Navi Mumbai	65.8	33.9	9.2	29.0	66.6	46.7
Apollo Logisolutions CFS, Panvel	7.9	-	8.2	20.1	24.5	16.4
Ashte Logistics CFS, Panvel	15.9	-	-	16.5	19.8	18.3
Balmer & Lawrie CFS, Navi Mumbai	18.7	-	20.1	20.5	26.7	21.4
Continental Warehousing CFS, Navi Mumbai	11.9	18.9	11.1	13.3	28.5	16.7
CWC Impex Park	16.8	-	16.0	23.4	28.9	22.3
Dronagiri Rail Terminal CFS, Navi Mumbai	22.2	-	16.2	17.8	-	19.2
EFC Logistics	9.1	17.3	12.4	18.6	19.2	17.1
Gateway Distriparks CFS, Navi Mumbai	14.7	-	15.3	21.1	28.9	21.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	17.3	19.2	18.1
JWC Logistics Park CFS	19.1	28.9	19.9	20.8	21.9	24.1
Kerry Indev Logistics Pvt Ltd CFS	-	-	11.5	14.5	15.8	13.6
Maharashtra State Corp CFS	14.9	18.5	19.1	34.7	38.3	33.1
Navkar Corporation	14.2	18.7	13.3	22.7	29.2	20.0
Ocean Gate CFS, Panvel	11.8	-	11.6	17.3	22.7	18.9
Sarveshwar Logistics	19.3	16.6	-	14.8	15.7	16.3
SBW Logistics CFS, Navi Mumbai	29.0	-	60.2	33.2	-	44.4
Seabird CFS, Navi Mumbai	21.5	-	17.0	23.3	33.7	26.0
Speedy Multimode CFS, JNPT	18.6	-	-	17.9	27.0	22.2
Take Care Logistics	15.8	19.8	17.0	22.6	30.6	22.1
TG Terminals	18.9	-	17.1	17.3	20.2	18.5
Vaishno Logistics CFS, Navi Mumbai	10.5	-	25.7	20.2	28.2	25.0

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 81+ million EXIM containers covered till date.(2025.04.14)

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

Annexure: Congestion Analysis & Methodology

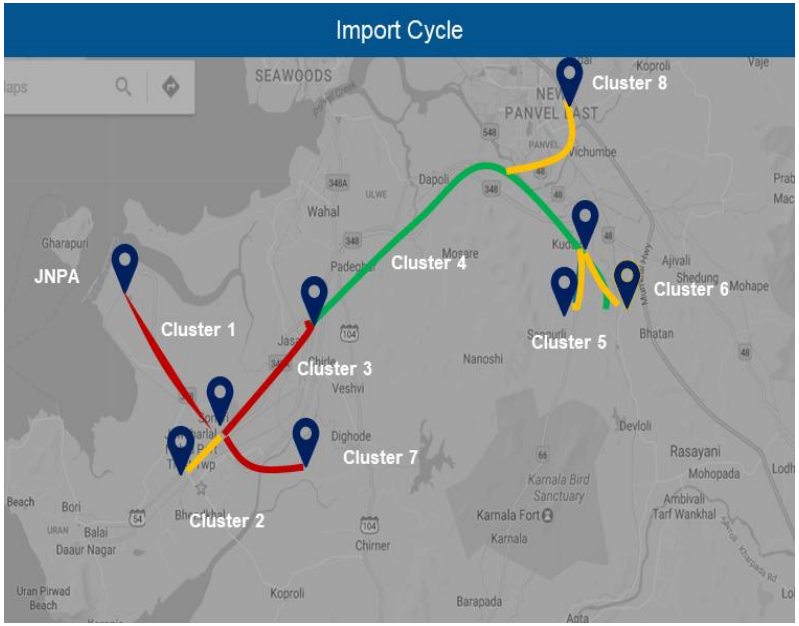
Methodology

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