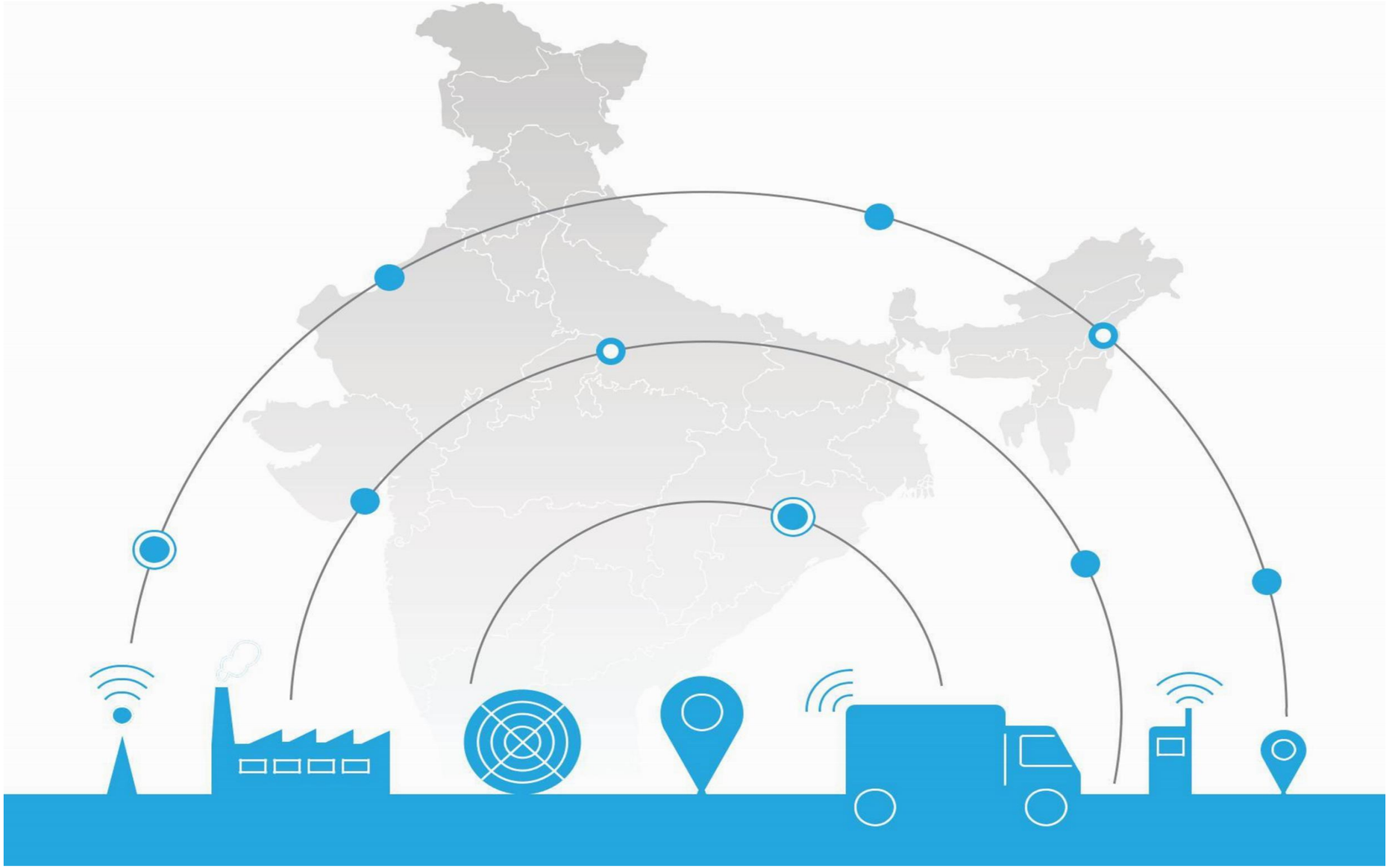
Logistics Databank Analytics Report – JNPA – June 2024



Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	23.9	24.7
NSICT	30.7	30.4
GTI	23.0	20.9
NSIGT	26.8	30.9
BMCT	21.5	28.2

Export Cycle		
Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	80.5	82.6
NSICT	52.3	59.9
GTI	71.8	77.0
NSIGT	85.2	89.5
BMCT	69.9	87.5

Critical Incident Summary

Jawaharlal Nehru Port Authority

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

Month	Port Dwell Time Import	Port Dwell Time Export	CFS Dwell Time Import	CFS Dwell Time Export	ICD Dwell Time Import	ICD Dwell Time Export
Jun'24	26.3 hrs ↑ 9.13%	80.9 hrs ↑ 12.83%	80.9 hrs ↓ 1.94%	68.8 hrs ↑ 3.46%	104.3 hrs ↑ 1.76%	101.2 hrs ↑ 6.19%
May'24	24.1 hrs	71.7 hrs	82.5 hrs	66.5 hrs	102.5 hrs	95.3 hrs

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

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall	26.5	27.1
Truck	22.6	21.7
Train	57.2	88.3

EXPORT

Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall	96.7	99.8
Truck	90.7	93.7
Train	127.4	137.6

Container Freight Stations (CFS)/ Inland Container depots(ICD) – Dwell Time

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	May'24 (in hrs)	Jun'24 (in hrs)
CFS Import	86.8	88.2
ICD Import	102.5	104.3

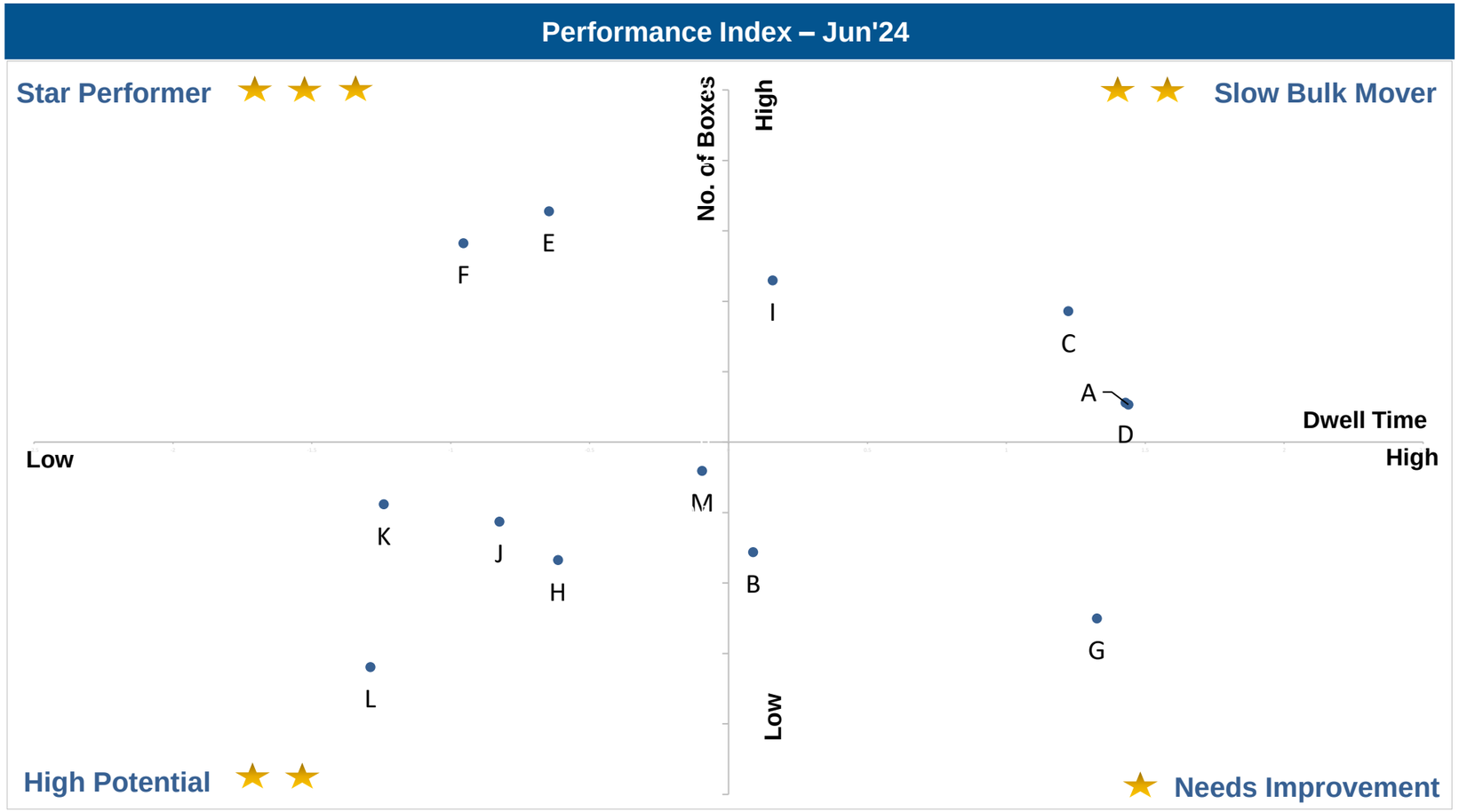
Entity	May'24 (in hrs)	Jun'24 (in hrs)
CFS Export	65.1	70.3
ICD Export	95.3	101.2

The marked entries showcase increase in performance in comparison to May'24

The marked entries showcase Decrease in performance in comparison to May'24

Port Performance Benchmarking & Performance Index - Western Corridor

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



X-Axis: Dwell Time

Y-Axis: No. of Boxes

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)

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 Transportation- JNPA Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

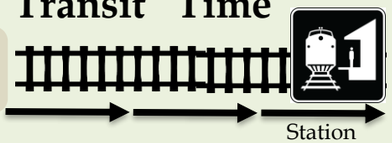
Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall	24.1	26.3
Truck	21.2	22.5
Train	48.1	75.2

EXPORT

Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall	71.7	80.9
Truck	69.3	78.8
Train	91.4	95.1

Transit Time

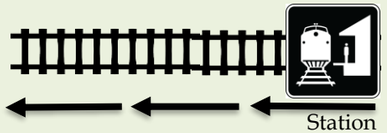
Towards ICD



Transit Cycle	May'24 (in hrs)	Jun'24 (in hrs)
Port to ICD	111.5	110.8
Port to CFS	2.6	2.5

Towards CFS

From ICD



Transit Cycle	May'24 (in hrs)	Jun'24 (in hrs)
ICD to Port	87.3	95.2
CFS to Port	4.3	5.0

From CFS

Container Freight Station (CFS) / Inland Container Depot (ICD) – Dwell Time

ICD CFS

Entity	May'24 (in hrs)	Jun'24 (in hrs)
CFS Import	82.5	80.9
ICD Import	102.5	104.3

Entity	May'24 (in hrs)	Jun'24 (in hrs)
CFS Export	66.5	68.8
ICD Export	95.3	101.2

Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	83%	17%
Export	82%	18%

The marked entries showcase the increase in performance as compared to May'24

The marked entries showcase the decrease in performance as compared to May'24

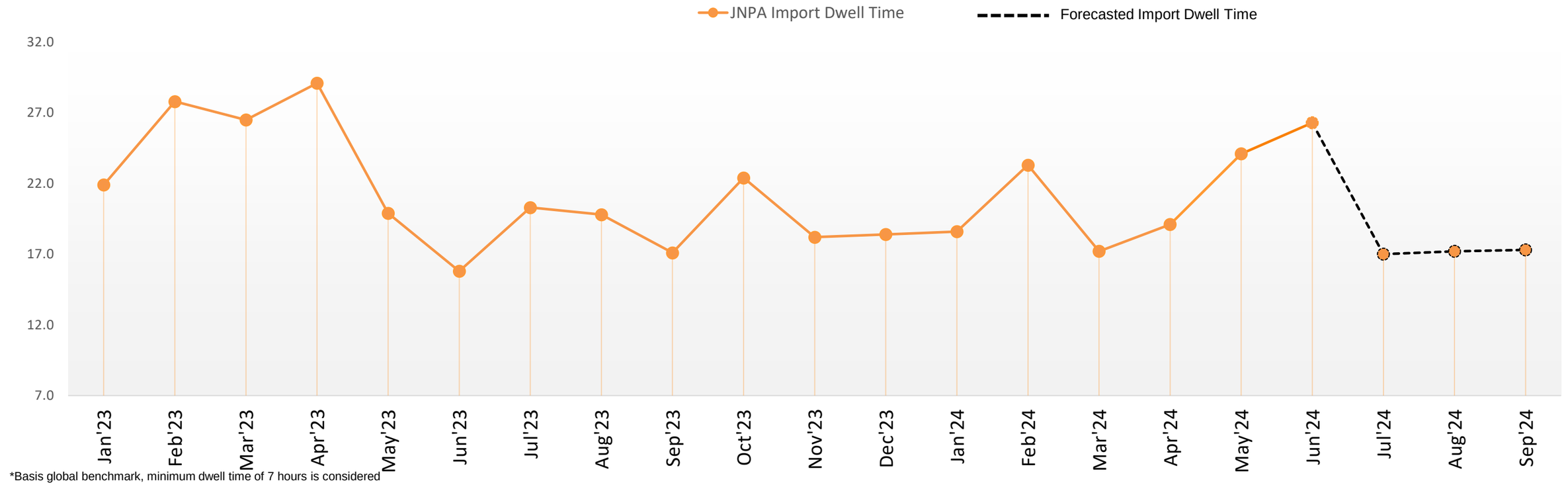
Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

Import Cycle	Particulars		May'24 (in hrs)	Jun'24 (in hrs)
	Dwell Time	Overall Dwell Time	24.1	26.3
		Truck Bound Containers	21.2	22.5
		Train Bound Containers	48.1	75.2
		Direct Port Delivery (DPD) containers	29.9	28.9
		Containers bound for CFS	19.7	22.0
		Empty Containers	33.5	34.3
		Laden Containers	22.5	24.9
	Transit Time	Port to ICD	111.5	110.8
		Port to CFS	2.6	2.5

Export Cycle	Particulars		May'24 (in hrs)	Jun'24 (in hrs)
	Dwell Time	Overall Dwell Time	71.1	80.9
		Truck Bound Containers	69.3	78.8
		Train Bound Containers	91.4	95.1
		Direct Port Entry (DPE) containers	77.9	80.7
		Containers bound from CFS	69.3	78.2
		Empty Containers	61.5	72.9
		Laden Containers	78.0	84.8
	Transit Time	ICD to Port	87.3	95.2
		CFS to Port	4.3	5.0

Container Transportation- JNPA Port Terminals



*Basis global benchmark, minimum dwell time of 7 hours is considered

	Apr'24	May'24	Jun'24	Jul'24	Aug'24	Sep'24
Actual Dwell Time (in hours)	19.1	24.1	26.3	-	-	-
Forecasted Dwell Time (in hours)	21.9	22.9	17.1	17.0	17.2	17.3

Note:
All values are in hours

JNPA Region: Parking Plaza Analysis

The analysis showcase the waiting time of containers at parking plaza and transit time between parking plaza exit and port entry:

Parking Plaza Gate In – Gate Out

Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall Parking Plaza	5.60	5.40

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
Parking Plaza	10%	25%	35%	20%	6%	4%

Parking Plaza Gate Out – Terminal In

Mode	May'24 (in hrs)	Jun'24 (in hrs)
Overall Parking Plaza to JNPA Port	1.10	0.90

Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	0.5	0.8
NSICT	2.1	3.2
GTI	0.9	0.8
NSIGT	1.1	0.7
BMCT	3.9	4.1

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-1 hrs	Within 1-2 hrs	Within 2-3 hrs	Within 3-4 hrs	Within 4-5 hrs	More than 5 hrs
NSFT	64%	24%	5%	1%	1%	5%
NSICT	19%	15%	14%	15%	26%	11%
GTI	71%	22%	4%	2%	0%	1%
NSIGT	64%	9%	8%	2%	4%	13%
BMCT	4%	16%	17%	12%	10%	41%

CFS/ICD Performance Benchmarking & Performance Index

CFS: Western Corridor

Performance Benchmarking

ICD: PAN India

Top Performing CFS

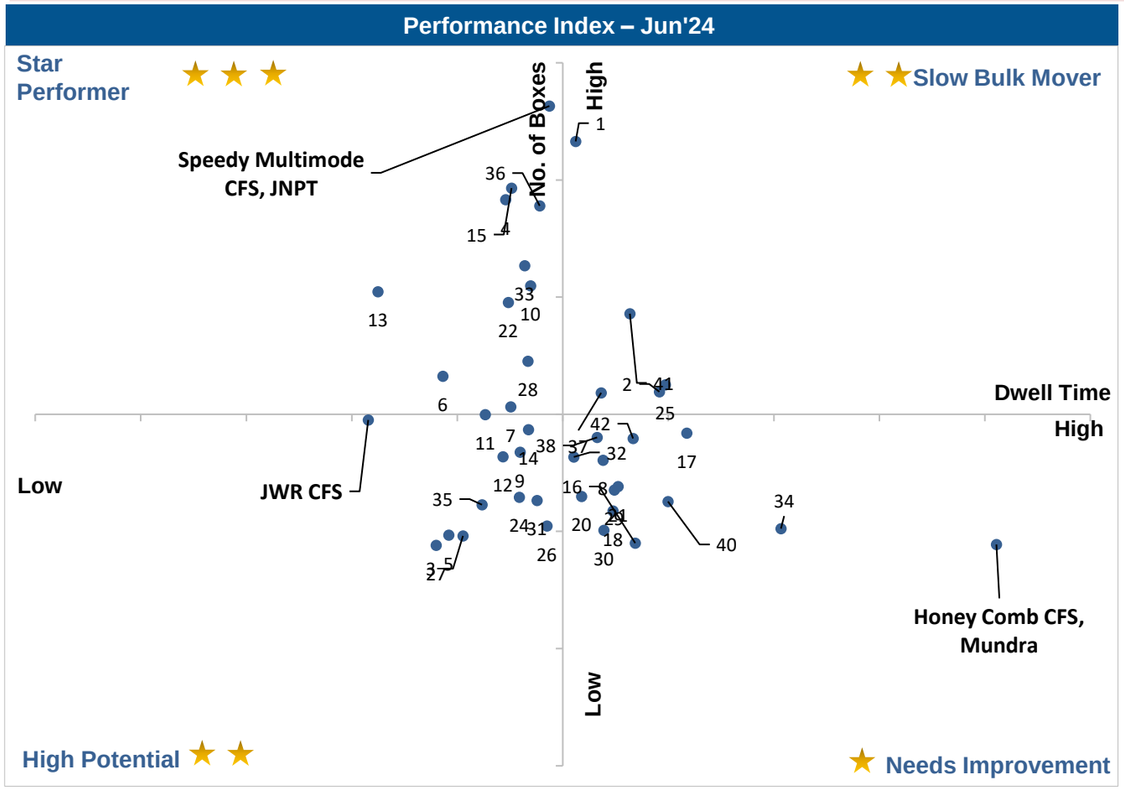
Speedy Multimode CFS, JNPT

Top Performing ICD

Dronagiri Rail Terminal CFS, Navi Mumbai

Low Performing CFS

Honey Comb CFS, Mundra

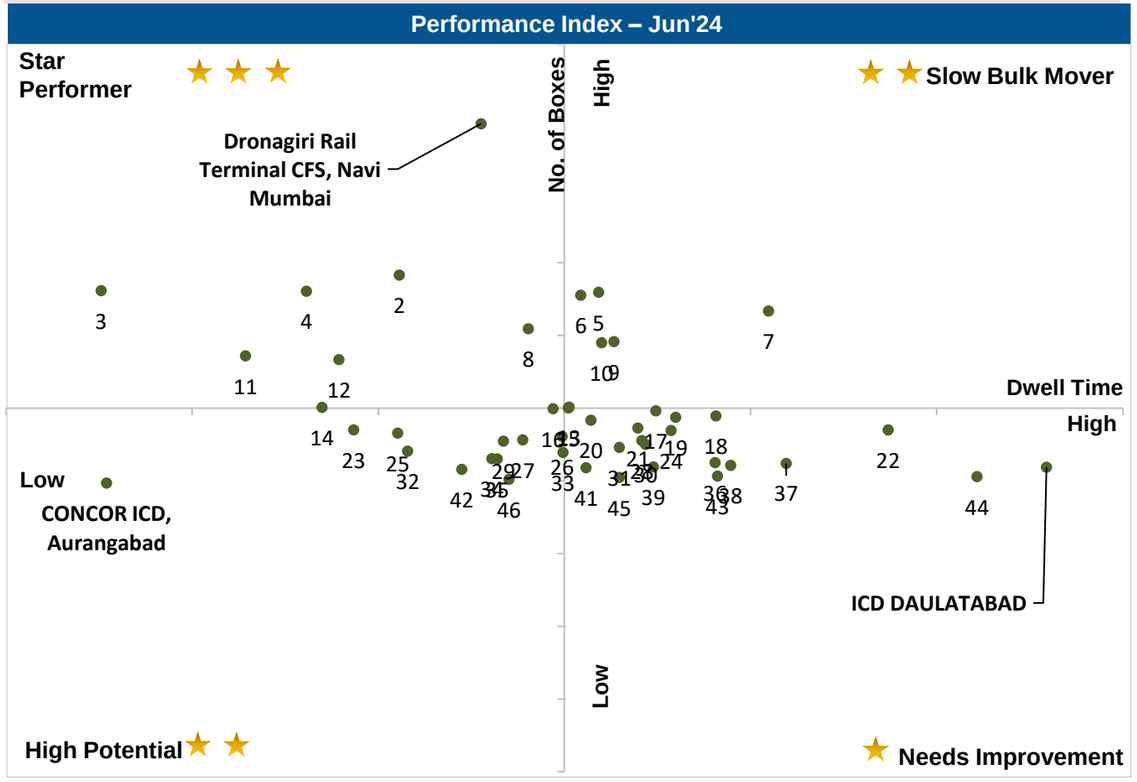


X-Axis: Dwell Time

Y-Axis: No. of Boxes

Low Performing ICD

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 ports (covered under LDB) for truck and train bound containers in import cycle via Truck and Train

PORT IMPORT via TRAIN
(17% of total import container volume)

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

Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	51.1	75.2
NSICT	68.7	79.5
GTI	45.6	67.2
NSIGT	58.8	85.4
BMCT	40.3	74.6

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	15%	19%	14%	20%	20%	12%
NSICT	11%	15%	20%	14%	29%	11%
GTI	12%	24%	18%	14%	20%	12%
NSIGT	8%	15%	19%	15%	26%	17%
BMCT	13%	18%	18%	17%	22%	12%

PORT IMPORT via TRUCK
(83% of total import container volume)

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

Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	19.8	20.3
NSICT	27.5	26.1
GTI	20.2	18.2
NSIGT	23.8	25.0
BMCT	19.6	24.6

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	59%	29%	8%	2%	2%	0%
NSICT	47%	29%	15%	6%	2%	1%
GTI	62%	25%	8%	2%	2%	1%
NSIGT	48%	33%	12%	4%	2%	1%
BMCT	49%	30%	13%	5%	3%	0%

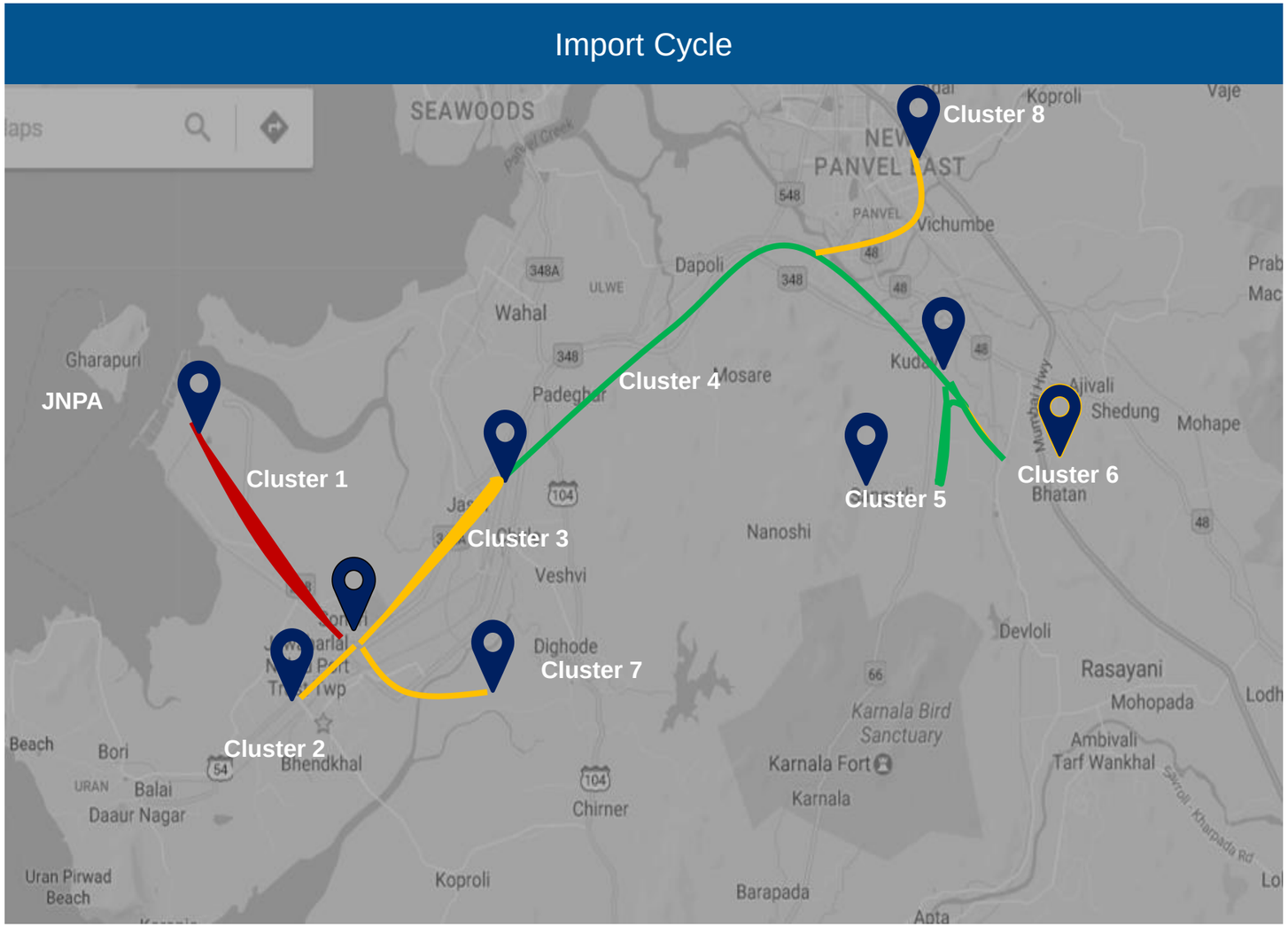
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jun'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	24.7	20.3	32.4	22.6
NSICT	52.2	25.4	33.1	29.5
GTI	34.2	18.3	32.8	19.8
NSIGT	48.1	24.3	37.7	28.4
BMCT	45.9	24.1	34.2	27.6

JNPA Region: Congestion Analysis (Import Cycle)

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



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	8.81%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	23.55%	Medium
Cluster 3	Sonari Area,JNPA Road	2	12.79%	Medium
Cluster 4	Chirle Area, JNPA Road	1	0.63%	Low
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	14.16%	Low
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	21.35%	Low
Cluster 7	Patilpada Area, Khopate JNPA Road	3	18.07%	Medium
Cluster 8	Taloja, Navi Mumbai	1	0.64%	Medium

JNPA Region Import Cycle: Container Movement

The below table and graphs depict the container movement across JNPA port region in Import cycle

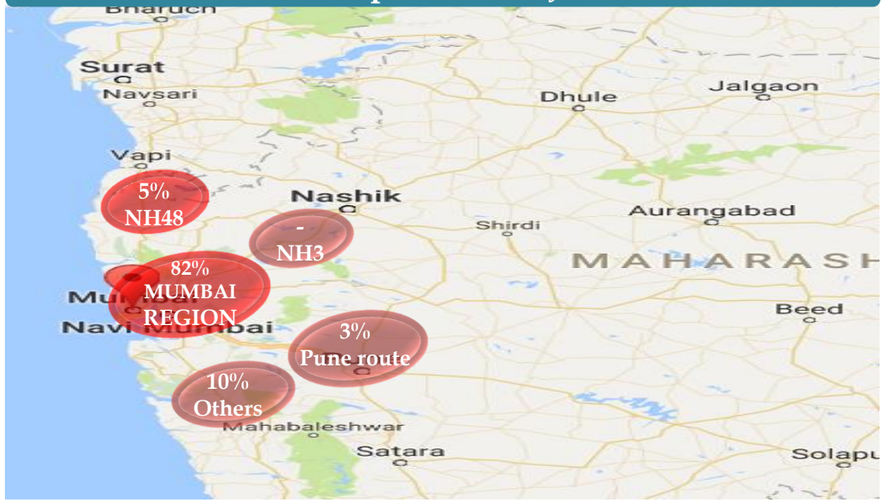
Truck

HEAT MAP : OVERALL MUMBAI REGION

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

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

Heat Map via Truck: Jun'24



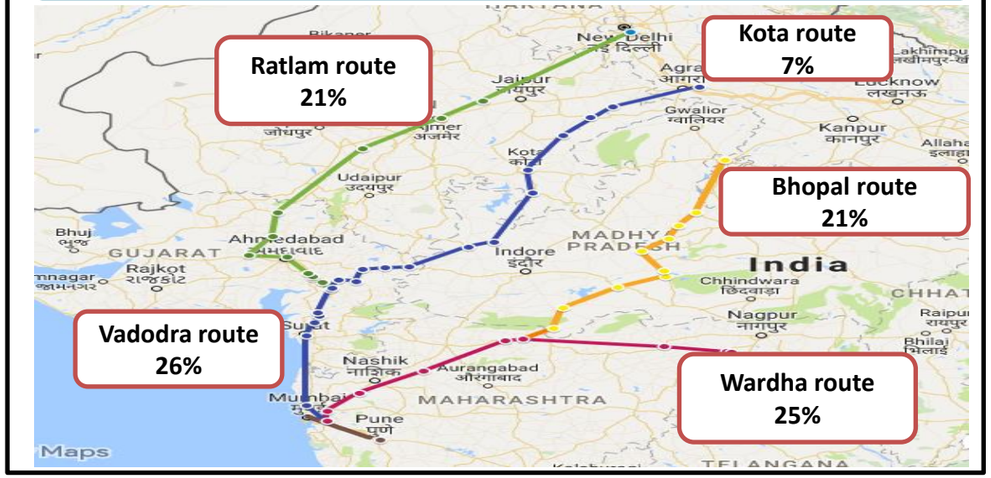
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Jun'24
Vadodra Route	26%
Ratlam Route	21%
Wardha Route	25%
Kota Route	7%
Bhopal Route	21%

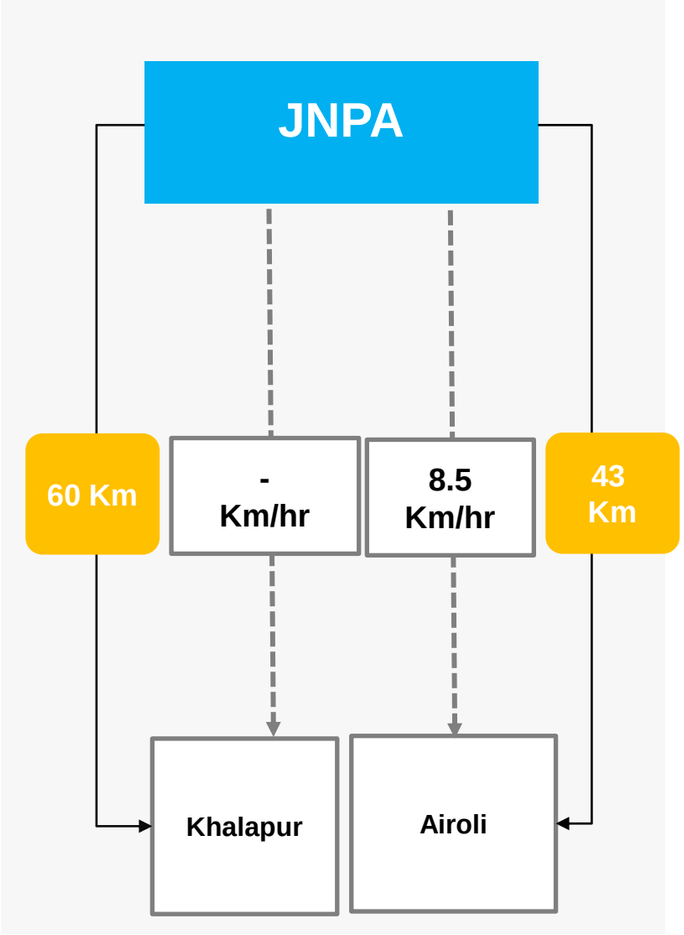
The map shows the volume wise container movement through different railway routes in import cycle

Container movement via Rail – Jun'24



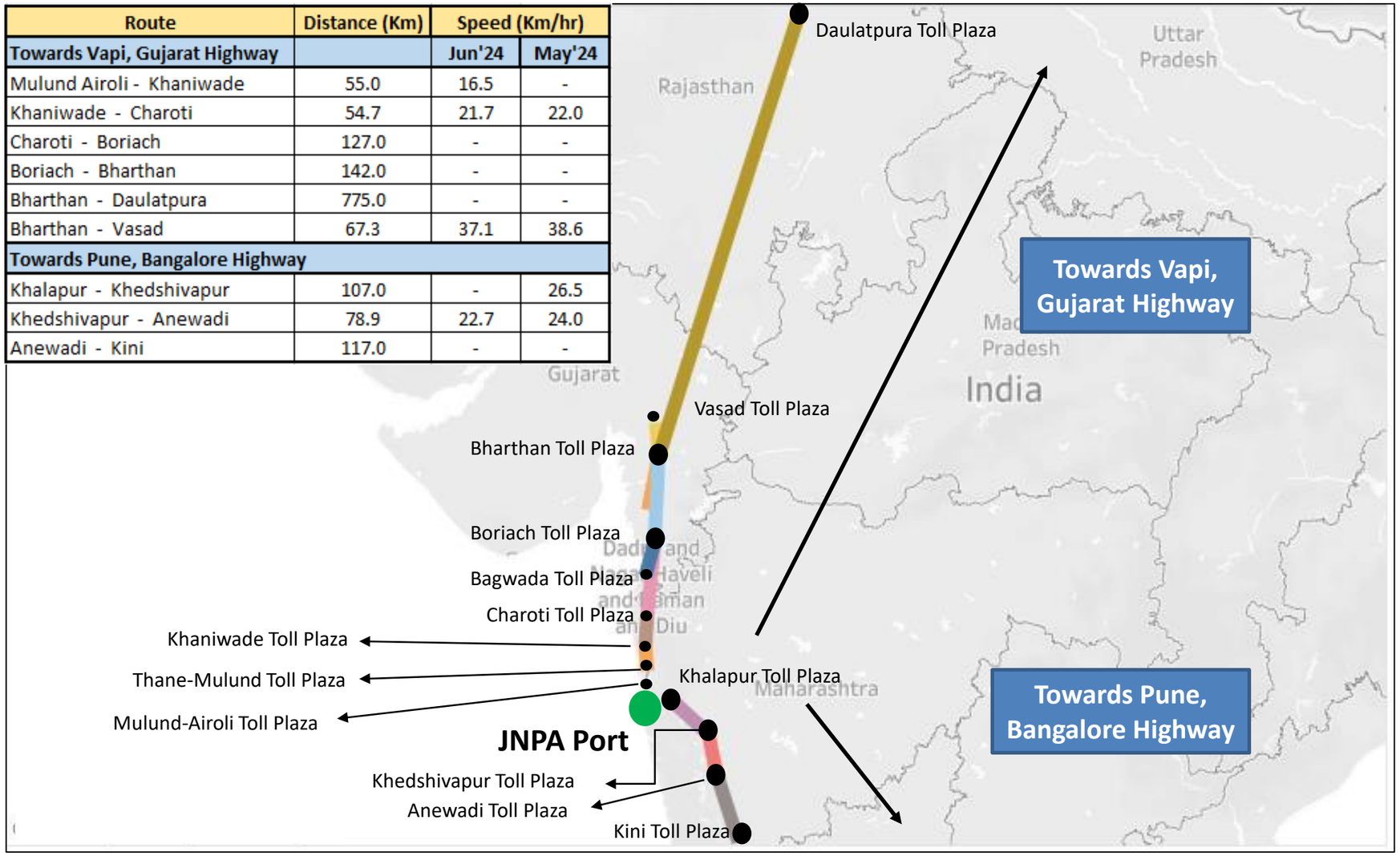
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (Km/hr)	
Towards Vapi, Gujarat Highway		Jun'24	May'24
Mulund Airoli - Khaniwade	55.0	16.5	-
Khaniwade - Charoti	54.7	21.7	22.0
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	37.1	38.6
Towards Pune, Bangalore Highway			
Khalapur - Khedshivapur	107.0	-	26.5
Khedshivapur - Anewadi	78.9	22.7	24.0
Anewadi - Kini	117.0	-	-



Export Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

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

PORT EXPORT via TRAIN
(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

Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	105.7	101.6
NSICT	11.9	24.9
GTI	99.2	110.9
NSIGT	97.8	122.8
BMCT	107.4	106.0

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	13%	10%	15%	9%	18%	35%
NSICT	48%	11%	11%	8%	11%	11%
GTI	3%	12%	15%	13%	22%	35%
NSIGT	1%	8%	11%	13%	30%	37%
BMCT	1%	7%	14%	23%	23%	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

Port	May'24 (in hrs)	Jun'24 (in hrs)
NSFT	78.0	81.0
NSICT	66.3	67.3
GTI	68.6	73.7
NSIGT	81.7	83.8
BMCT	65.6	85.5

Container Handled: Day wise (Jun'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	7%	14%	21%	23%	26%	9%
NSICT	7%	22%	25%	23%	19%	4%
GTI	3%	17%	28%	25%	25%	2%
NSIGT	5%	13%	21%	21%	32%	8%
BMCT	2%	11%	23%	26%	33%	5%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

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

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPE) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	80.4	82.5	77.2	83.8
NSICT	71.4	66.9	54.5	61.8
GTI	80.6	71.2	63.9	84.6
NSIGT	91.2	88.5	57.8	93.6
BMCT	-	85.6	82.7	92.0

JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Export Cycle in month of Jun'24

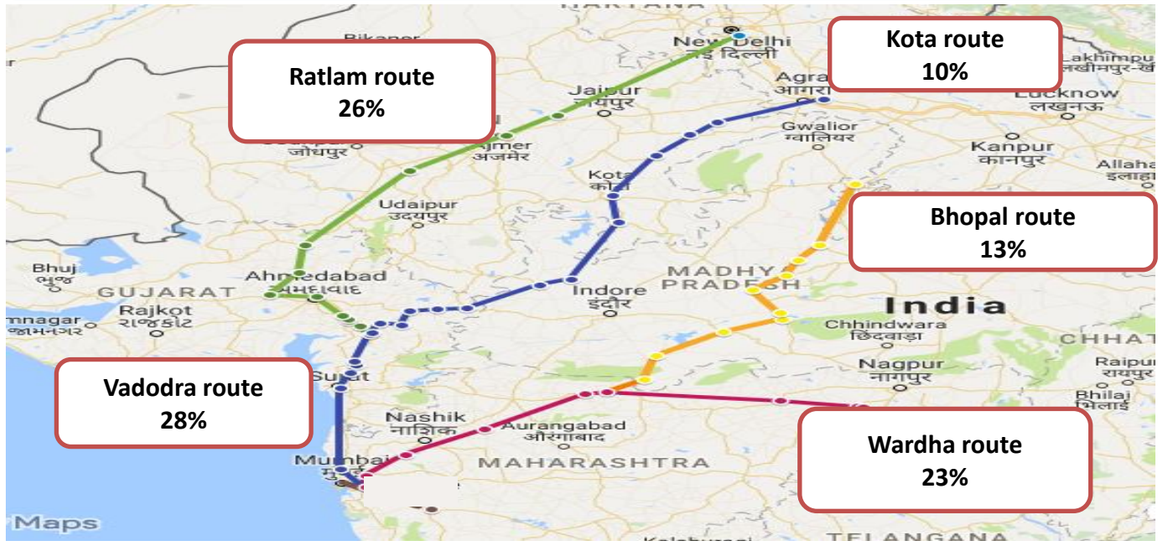
Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	8.22%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	17.46%	High
Cluster 3	Sonari Area,JNPA Road	2	11.97%	High
Cluster 4	Chirle Area, JNPA Road	1	4.37%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	13.80%	High
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	30.52%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	12.59%	High
Cluster 8	Taloja, Navi Mumbai	1	1.07%	High

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	28%
Ratlam Route	26%
Wardha Route	23%
Kota Route	10%
Bhopal Route	13%

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

Container movement via Rail – Jun'24



CFS and ICD Performance

CFS Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

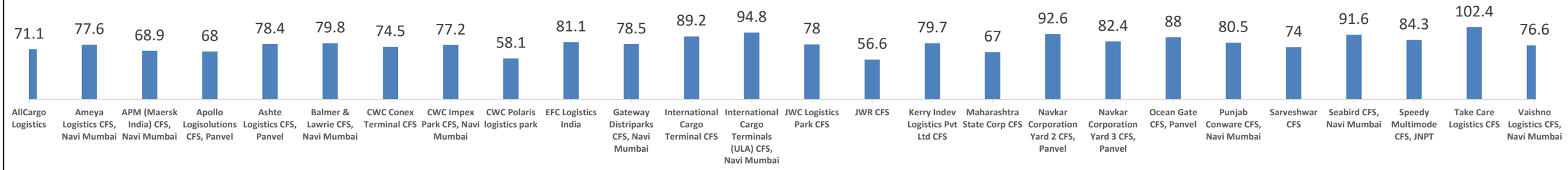
Below table and graphs show the dwell time of the respective CFSs for the month of Jun'24

CFS Dwell Time (in hrs.)

CFS	May'24 (in hrs)	Jun'24 (in hrs)
AllCargo Logistics	93.1	71.1
Ameya Logistics CFS, Navi Mumbai	73.9	77.6
APM (Maersk India) CFS, Navi Mumbai	74.9	68.9
Apollo Logisolutions CFS, Panvel	67.1	68.0
Ashte Logistics CFS, Panvel	86.6	78.4
Balmer & Lawrie CFS, Navi Mumbai	-	79.8
CWC Conex Terminal CFS	72.1	74.5
CWC Impex Park CFS, Navi Mumbai	76.8	77.2
CWC Polaris logistics park	30.7	58.1
EFC Logistics India	-	81.1
Gateway Distriparks CFS, Navi Mumbai	81.1	78.5
International Cargo Terminal CFS	71.9	89.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	74.9	94.8

CFS	May'24 (in hrs)	Jun'24 (in hrs)
JWC Logistics Park CFS	85.6	78.0
JWR CFS	56.2	56.6
Kerry Indev Logistics Pvt Ltd CFS	87.7	79.7
Maharashtra State Corp CFS	72.2	67.0
Navkar Corporation Yard 2 CFS, Panvel	89.0	92.6
Navkar Corporation Yard 3 CFS, Panvel	81.8	82.4
Ocean Gate CFS, Panvel	92.3	88.0
Punjab Conware CFS, Navi Mumbai	82.7	80.5
Sarveshwar CFS	86.3	742.0
Seabird CFS, Navi Mumbai	81.6	91.6
Speedy Multimode CFS, JNPT	86.2	84.3
Take Care Logistics CFS	98.2	102.4
Vaishno Logistics CFS, Navi Mumbai	69.0	76.6

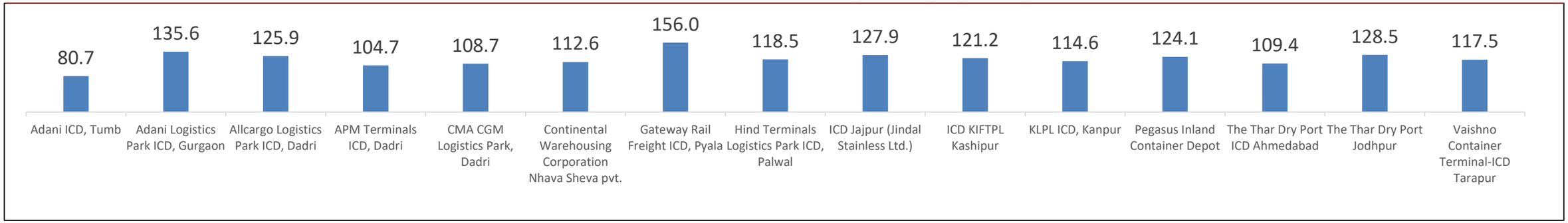
CFS – DWELL OVERVIEW – JUN'24 (IN HRS)



ICD Performance

ICD	May'24 (in hrs)	Jun'24 (in hrs)
Adani ICD, Tumb	80.8	80.7
Adani Logistics Park ICD, Gurgaon	136.4	135.6
Allcargo Logistics Park ICD, Dadri	104.5	125.9
APM Terminals ICD, Dadri	131.6	104.7
CMA CGM Logistics Park, Dadri	100.8	108.7
Continental Warehousing Corporation Nhava Sheva pvt.	117.4	112.6
Gateway Rail Freight ICD, Pyala	144.8	156
Hind Terminals Logistics Park ICD, Palwal	131.9	118.5
ICD Jajpur (Jindal Stainless Ltd.)	151.0	127.9
ICD KIFTPL Kashipur	80.2	121.2
KLPL ICD, Kanpur	90.7	114.6
Pegasus Inland Container Depot	170.5	124.1
The Thar Dry Port ICD Ahmedabad	90.8	109.4
The Thar Dry Port Jodhpur	114.4	128.5
Vaishno Container Terminal-ICD Tarapur	112.0	117.5

ICD – DWELL OVERVIEW (JUN'24) (In Hrs)

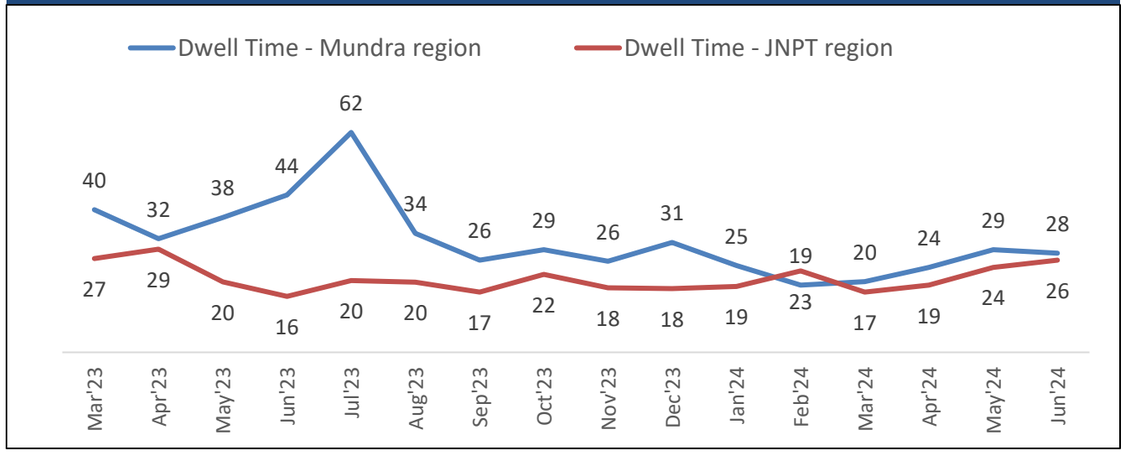


Trend Analysis

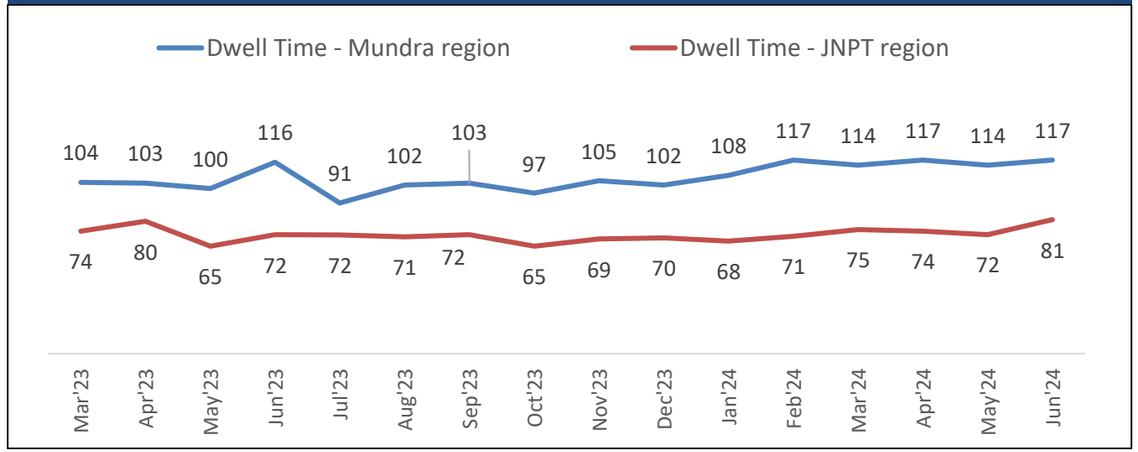
Western Corridor Port – Yearly Analysis

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

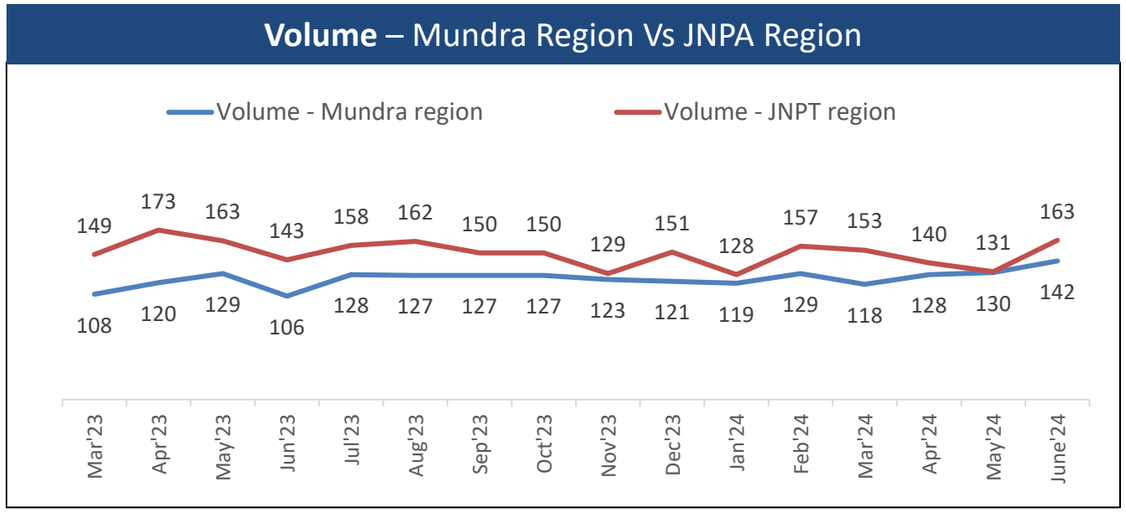
Dwell Time – Mundra Region Vs JNPA Region



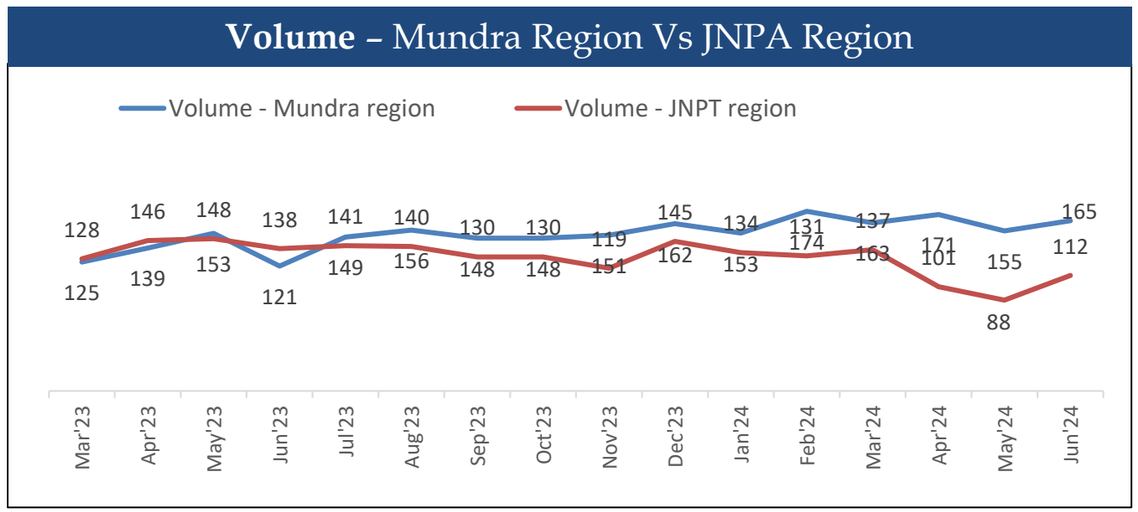
Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region



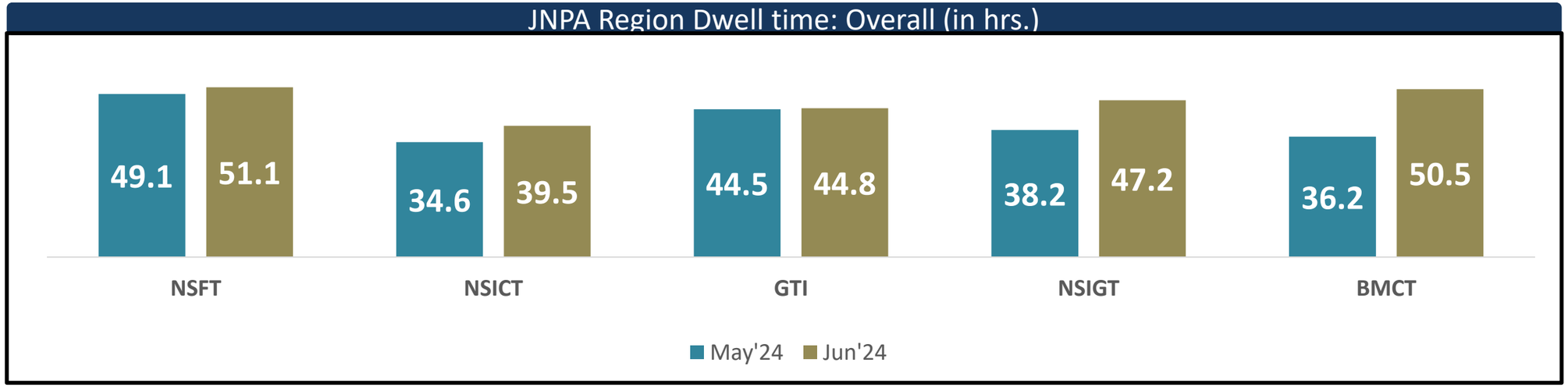
Volume – Mundra Region Vs JNPA Region



JNPA PORT DWELL TIME TREND: Month on Month

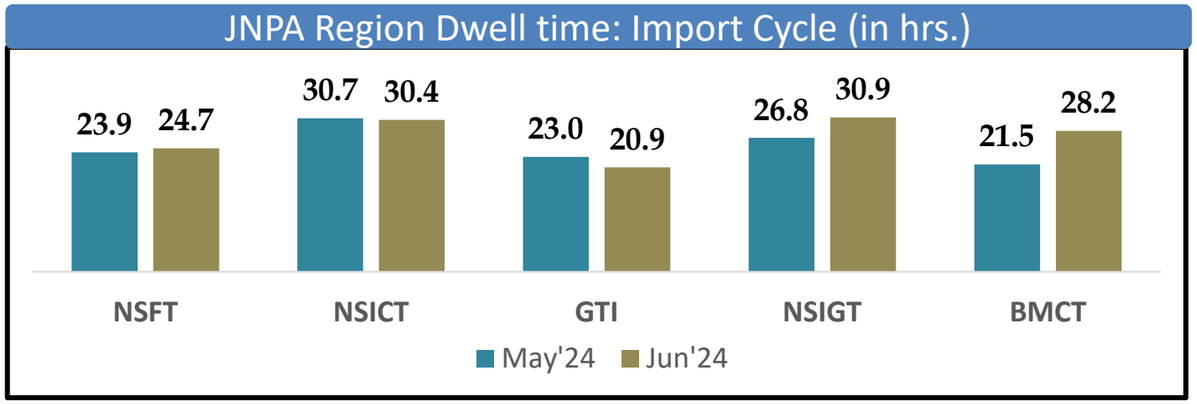
JNPA port dwell time trend :

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

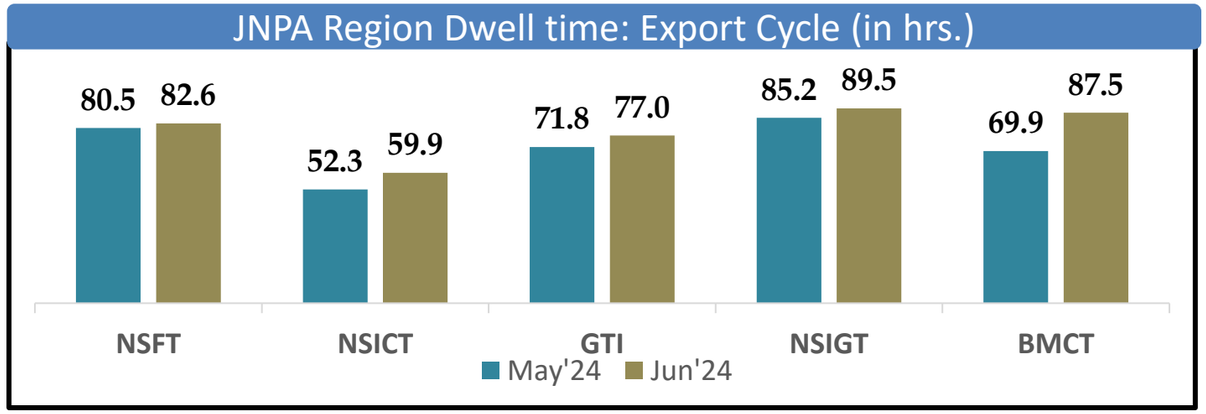


The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Jun'24

JNPA Import cycle Trend



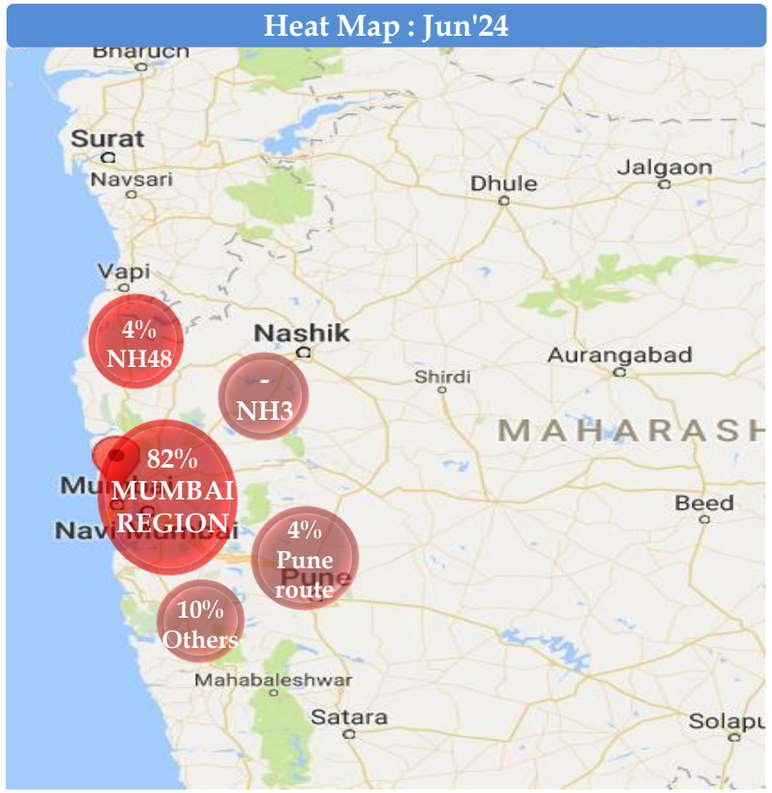
JNPA Export cycle Trend



ANNEXURE

Container movement around JNPA Port terminal region via Truck

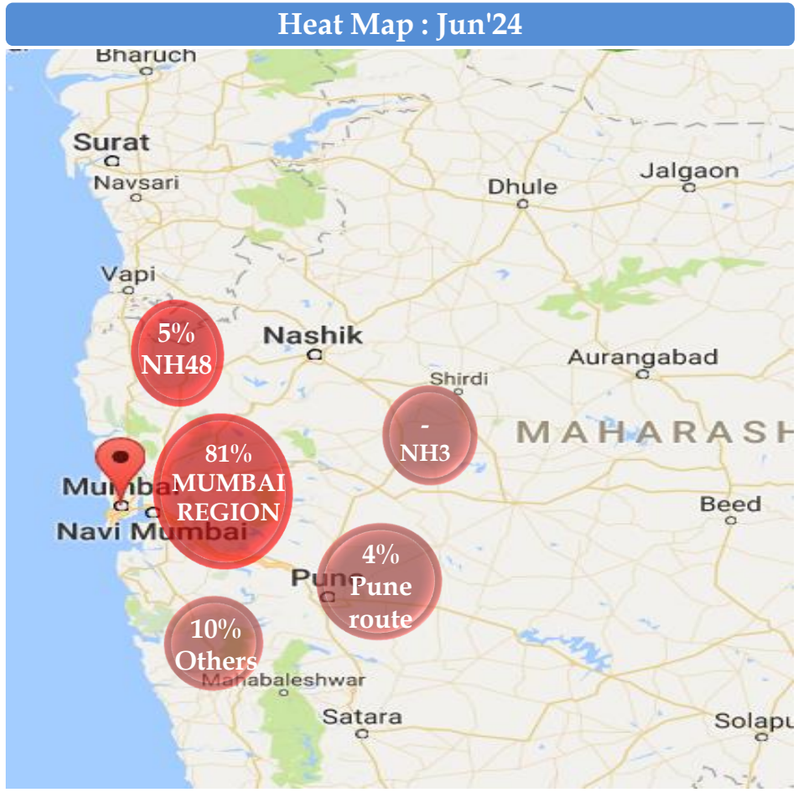
HEAT MAP : GTI Port Terminal



Region	May'24	Jun'24
Mumbai region	78%	82%
NH3	1%	-
Pune	7%	4%
NH48	4%	4%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

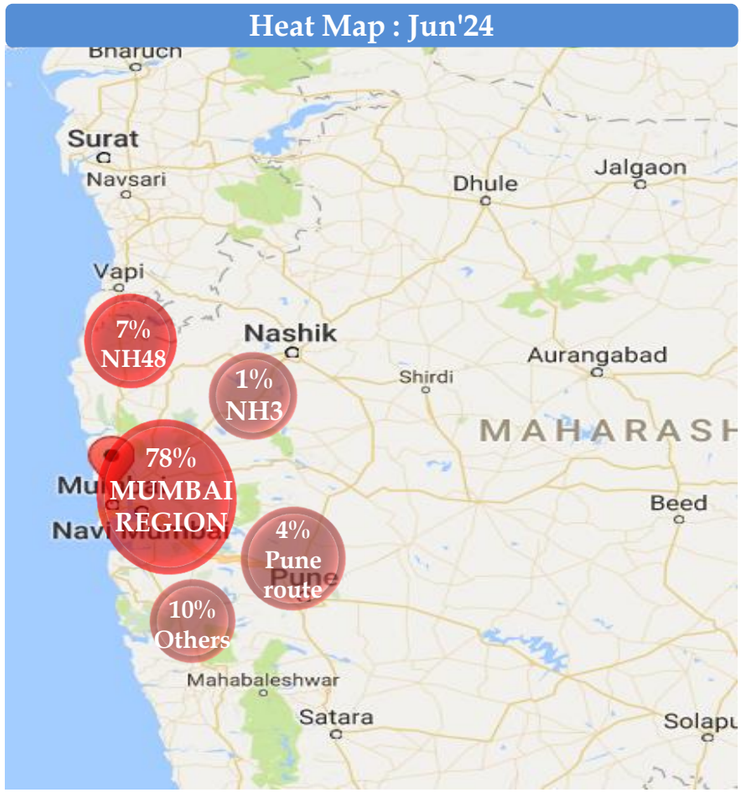


Region	May'24	Jun'24
Mumbai region	79%	81%
NH3	-	-
Pune	7%	4%
NH48	4%	5%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

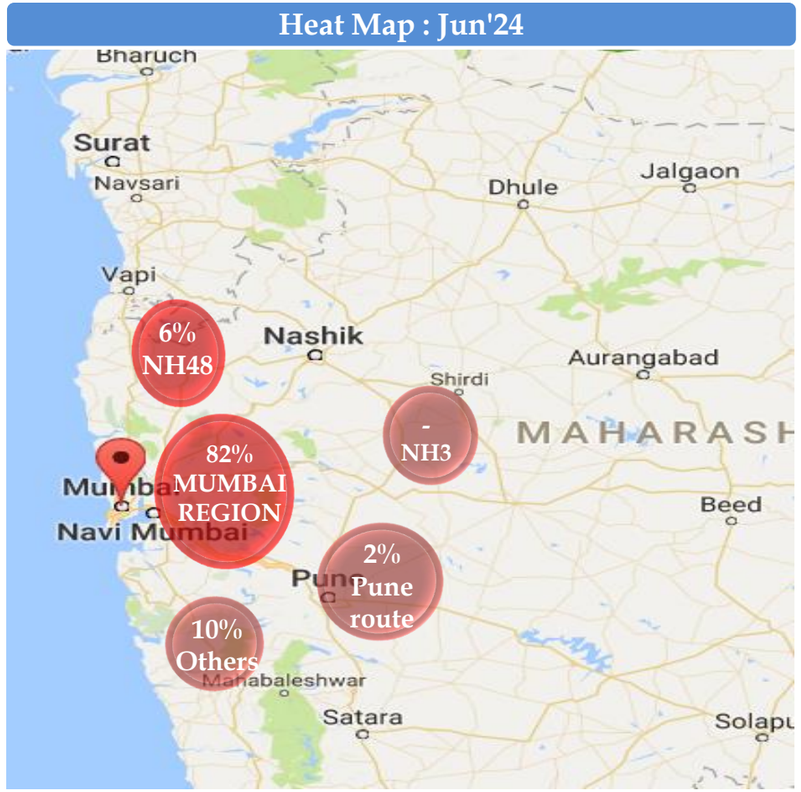
HEAT MAP : NSIGT Port Terminal



Region	May'24	Jun'24
Mumbai region	57%	78%
NH3	3%	1%
Pune	18%	4%
NH48	12%	7%
others	10%	10%

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

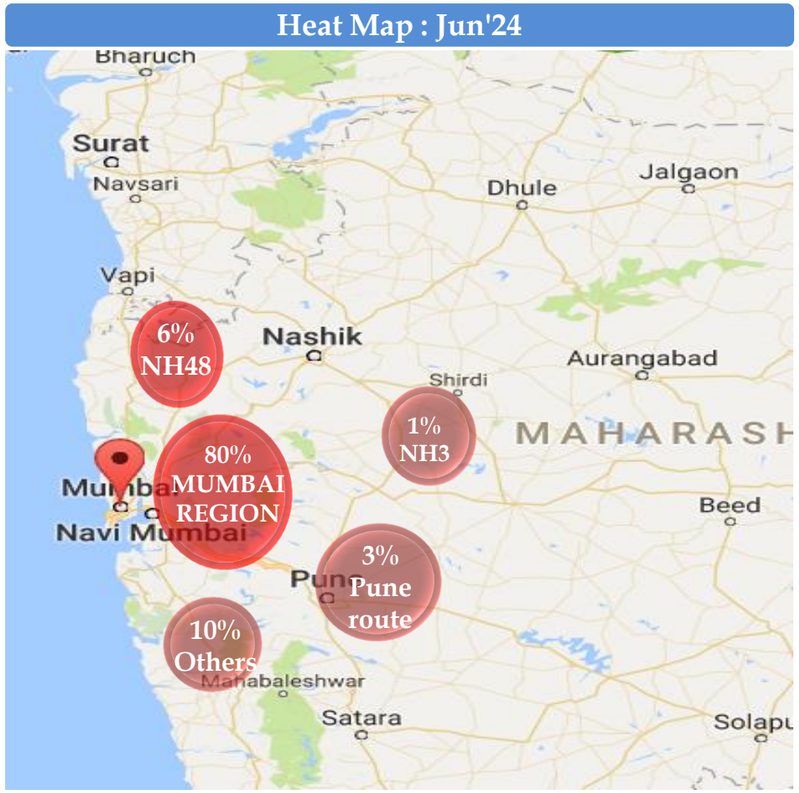
HEAT MAP : NSICT Port Terminal



Region	May'24	Jun'24
Mumbai region	78%	82%
NH3	1%	-
Pune	5%	2%
NH48	6%	6%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	May'24	Jun'24
Mumbai region	76%	80%
NH3	1%	1%
Pune	6%	3%
NH48	7%	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

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	3.8	3.4	3.3	3.2	3.0
Ameya Logistics CFS Navi Mumbai	2.1	2.5	2.2	2.3	2.2
APM (Maersk India) CFS Navi Mumbai	6.8	2.9	2.8	1.8	2.3
Apollo Logisolutions CFS Panvel	3.9	4.5	3.6	3.5	3.9
Ashte Logistics CFS Panvel	2.5	2.6	2.6	2.3	2.5
Balmer & Lawrie CFS Navi Mumbai	1.8	2.4	2.9	2.1	2.1
Batco Integrated Logistics Pvt Ltd	-	19.4	29.2	-	-
CFS AMBAD NASHIK	26.2	7.8	30.2	35.5	31.8
CWC Conex Terminal CFS	1.9	2.0	2.6	2.6	2.0
CWC Impex Park CFS Navi Mumbai	1.8	2.9	2.5	2.1	2.7
CWC Polaris logistics park	1.8	2.1	2.5	1.8	1.9
EFC Logistics India	1.7	2.1	2.1	1.7	2.3
Gateway Distriparks CFS Navi Mumbai	2.5	2.9	3.1	3.0	2.5
International Cargo Terminal CFS	1.8	2.2	1.6	1.8	2.0
International Cargo Terminals (ULA) CFS Navi Mumbai	1.6	1.9	2.0	1.6	1.8
JWC Logistics Park CFS	2.5	3.0	4.4	3.4	3.3
JWR CFS	17.1	2.0	12.6	17.7	8.6
Kerry Indev Logistics Pvt Ltd CFS	2.9	3.6	4.5	2.9	3.1
Maersk Annex (APM)CFS Navi Mumbai	2.6	3.7	2.8	2.6	2.5
Maharashtra State Corp CFS	1.5	2.4	3.1	1.9	2.8
Navkar Corporation Yard 1 CFS Panvel	2.4	4.2	2.9	2.4	3.3
Navkar Corporation Yard 2 CFS Panvel	3.3	2.9	2.9	2.8	2.6
Navkar Corporation Yard 3 CFS Panvel	3.4	2.7	2.9	2.3	2.4
Ocean Gate CFS Panvel	2.6	3.4	3.2	3.3	2.9
Punjab Conware CFS Navi Mumbai	2.1	2.4	2.5	2.4	2.1
Sarveshwar CFS	2.5	2.2	2.4	2.5	2.0
SBW Logistics CFS Navi Mumbai	3.0	6.1	4.7	3.5	4.2
Seabird CFS Navi Mumbai	3.2	3.0	4.0	3.0	3.1
Speedy Multimode CFS JNPT	1.4	1.7	2.0	1.7	1.7
Take Care Logistics CFS	2.1	3.2	3.2	2.7	2.5
Transworld terminals CFS	1.9	1.9	1.9	1.5	1.8
Vaishno Logistics CFS Navi Mumbai	2.5	2.1	2.6	1.9	1.9

CFS Delivery Time Analysis – All CFS in Mumbai to JNPA Port

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

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	3.1	7.5	4.3	3.8	7.2
Ameya Logistics CFS, Navi Mumbai	2.6	3.3	4.2	4.8	6.0
APM (Maersk India) CFS, Navi Mumbai	2.3	3.9	2.8	3.9	7.2
Apollo Logisolutions CFS, Panvel	3.1	3.4	3.8	3.2	6.3
Ashte Logistics CFS, Panvel	1.9	3.5	4.5	3.6	6.7
Balmer & Lawrie CFS, Navi Mumbai	2.7	3.6	7.1	3.3	5.3
Batco Integrated Logistics Pvt Ltd	39.0	16.4	34.1	37.9	35.4
Central Warehousing Corporation	38.0	36.8	44.2	43.0	46.0
CFS AMBAD, NASHIK	8.0	-	21.6	-	-
CWC CFS KUKATPALLY	33.5	35.4	35.9	35.6	36.0
CWC Conex Terminal CFS	2.7	3.6	3.5	3.2	6.2
CWC Hind Terminal CFS, Navi Mumbai	2.2	8.9	4.7	-	6.3
CWC Impex Park CFS, Navi Mumbai	9.1	5.9	2.3	3.8	8.7
CWC Polaris logistics park	1.9	3.2	5.5	4.3	6.3
EFC Logistics India	5.7	5.4	4.6	4.3	8.0
Gateway Distriparks CFS, Navi Mumbai	2.2	3.0	3.6	4.2	6.6
HAL CFS	37.9	-	46.9	39.7	-
International Cargo Terminal CFS	3.3	3.6	3.9	2.9	6.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.2	2.1	5.6	8.5	5.5
JWC Logistics Park CFS	2.5	3.9	3.4	4.3	6.9
JWR CFS	3.5	3.7	3.6	4.6	7.2
Kerry Indev Logistics Pvt Ltd CFS	6.7	5.1	3.3	3.5	7.1
Maersk Annex (APM)CFS, Navi Mumbai	14.4	8.9	5.5	7.2	6.7
Maharashtra State Corp CFS	2.1	3.1	3.3	4.1	5.8
Navkar Corporation Yard 1 CFS, Panvel	-	17.3	-	-	7.5
Navkar Corporation Yard 2 CFS, Panvel	3.2	4.9	3.4	5.8	9.6
Navkar Corporation Yard 3 CFS, Panvel	4.1	3.8	4.7	4.1	7.4
Ocean Gate CFS, Panvel	3.8	4.6	3.8	4.7	8.1
Punjab Conware CFS, Navi Mumbai	2.4	4.5	2.9	4.0	5.9
Sarveshwar CFS	4.8	5.8	3.8	5.1	6.7
SBW Logistics CFS, Navi Mumbai	9.9	9.0	6.6	14.1	11.9
Seabird CFS, Navi Mumbai	3.1	4.2	6.1	5.0	6.1
Speedy Multimode CFS, JNPT	2.3	4.4	3.6	3.1	6.2
Take Care Logistics CFS	4.1	7.1	8.1	13.5	7.2
Transworld terminals CFS	1.6	3.4	2.3	3.4	5.1
Vaishno Logistics CFS, Navi Mumbai	2.0	5.6	4.9	5.2	6.0

JNPA Region : Cluster Analysis

Based on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for GTI and NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Jun'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	4.4
Cluster 2	6	13	2.6	3.7
Cluster 3	6	11	2.7	3.7
Cluster 4	1	13	2.4	5.6
Cluster 5	2	25	3.1	4.3
Cluster 6	6	25	3.3	3.7
Cluster 7	4	12	2.8	3.9
Cluster 8	1	34	6.1	9.0

CFS Cluster : NSFT Terminal

NSFT terminal for month of Jun'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	1.4	2.4
Cluster 2	6	13	2.1	2.3
Cluster 3	6	11	2.5	2.5
Cluster 4	1	13	2.6	2.1
Cluster 5	2	25	2.5	2.9
Cluster 6	6	25	2.8	3.7
Cluster 7	4	12	2.2	2.6
Cluster 8	1	34	3.0	9.9

JNPA Region : Cluster Analysis

Based on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity.
Below table shows all the clusters and the relevant data for NSICT, NSIGT and BMCT terminal

CFS Cluster : NSICT Terminal

NSICT terminal for month of Jun'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	3.6
Cluster 2	6	13	2.6	4.7
Cluster 3	6	11	3.2	3.5
Cluster 4	1	13	2.7	4.9
Cluster 5	2	25	3.8	3.5
Cluster 6	6	25	3.1	4.0
Cluster 7	4	12	2.5	4.3
Cluster 8	1	34	4.7	6.6

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Jun'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	3.1
Cluster 2	6	13	2.3	4.1
Cluster 3	6	11	2.5	4.1
Cluster 4	1	13	1.9	5.2
Cluster 5	2	25	3.4	4.6
Cluster 6	6	25	2.6	3.7
Cluster 7	4	12	2.4	4.5
Cluster 8	1	34	3.5	14.1

CFS Cluster : BMCT Terminal

BMCT terminal for month of Jun'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	6.2
Cluster 2	6	13	2.3	6.3
Cluster 3	6	11	2.6	6.1
Cluster 4	1	13	1.9	6.0
Cluster 5	2	25	3.1	7.1
Cluster 6	6	25	2.9	6.7
Cluster 7	4	12	2.4	6.4
Cluster 8	1	34	4.2	11.9

JNPA Region : Destination-wise Dwell Time – Import

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

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

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Dadri	66.3	-	37.5	47.8	49.9	50.6
Ludhiana	103.6	186.3	-	-	-	-
Nagpur	52.6	67.3	46.7	35.8	90.4	54.1
Daulatabad	22.2	35.8	22.7	100.7	76.7	44.8
Guhati	94.3	-	-	139.6	-	-
Sanatnagar	123.3	-	28.8	93.3	-	95.9
Ankaleshwar	69.8	43.6	-	-	-	59.7
Faridabad	101.4	-	-	66.4	-	-
Mandideep	159.5	-	53.3	23.9	51.5	61.9
Boisar	82.7	-	-	164.8	149.1	112.7
Tughlakabad	51.5	68.1	-	68.0	55.1	58.8
Kanpur	97.6	-	33.1	95.0	58.9	72.1
Navi Mumbai	57.7	30.2	60.6	56.2	-	45.0
Khatuwas	10.8	-	-	-	-	-
Malanpur	55.7	-	-	45.7	36.4	33.8
Thimmapur	73.1	-	-	154.6	104.7	113.5
Indore	-	-	-	69.1	53.1	97.9
Khodiyar	55.4	56.5	-	-	94.7	54.7
Jaipur	47.6	49.3	100.9	24.9	-	49.1
Dhannad/Indore	-	-	119.0	-	-	119.0
Pantnagar	-	-	-	63.4	-	63.4

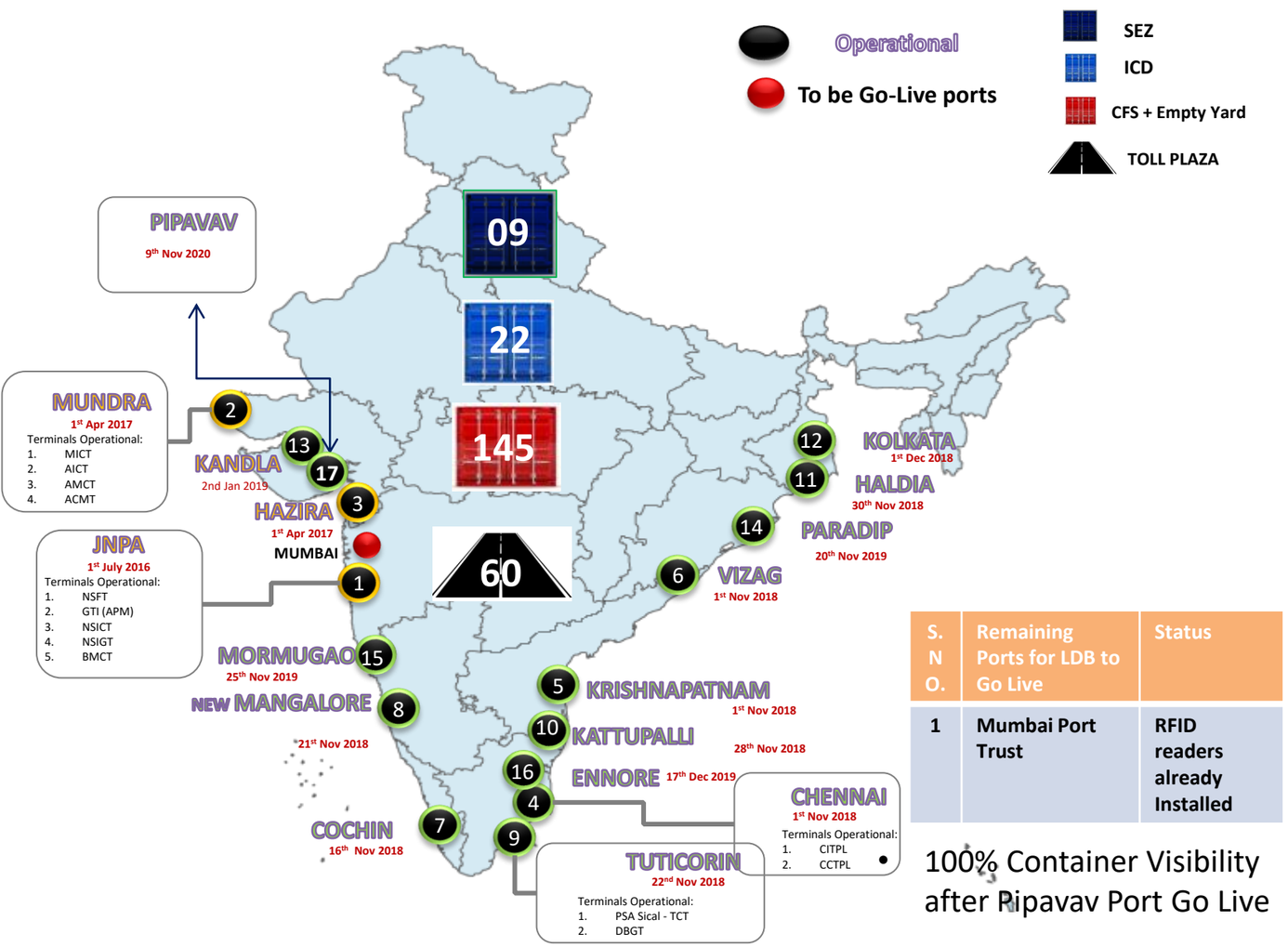
JNPA Region : Destination-wise Dwell Time – Import

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

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

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Balmer & Lawrie CFS, Navi Mumbai	30.4	15.7	22.1	26.9	31.9	22.8
Gateway Distriparks CFS, Navi Mumbai	28.3	17.5	21.1	23.7	26.7	23.3
TG Terminals	26.5	-	13.1	24.7	24.6	24.6
SBW Logistics CFS, Navi Mumbai	56.0	-	-	-	-	-
Speedy Multimode CFS, JNPT	27.0	-	-	43.1	23.9	27.2
Seabird CFS, Navi Mumbai	30.1	-	25.2	-	39.9	32.5
Dronagiri Rail Terminal CFS, Navi Mumbai	52.1	19.7	34.0	46.0	-	34.6
Navkar Corporation	21.3	18.4	15.9	25.7	23.8	20.6
AllCargo Logistics	60.4	-	-	57.7	62.6	60.5
EFC Logistics	22.7	13.7	14.6	21.6	16.8	17.2
Ameya Logistics CFS, Navi Mumbai	35.2	-	18.4	25.0	33.1	29.4
JWC Logistics Park CFS	24.2	17.2	14.2	26.1	27.2	20.8
Ashte Logistics CFS, Panvel	19.6	16.8	-	-	20.4	19.5
CWC Impex Park	20.5	18.2	22.5	-	44.8	23.4
Take Care Logistics	26.6	19.9	12.1	-	46.4	30.4
Continental Warehousing CFS, Navi Mumbai	22.2	21.3	22.0	28.9	29.1	23.1
Sarveshwar Logistics	20.2	12.3	-	24.0	24.2	17.2
Kerry Indev Logistics Pvt Ltd CFS	20.1	14.4	25.9	23.8	25.6	18.7
Ocean Gate CFS, Panvel	21.2	15.0	14.5	38.1	25.6	20.1
Vaishno Logistics CFS, Navi Mumbai	-	11.4	-	-	16.7	-
Apollo Logisolutions CFS, Panvel	31.4	33.3	60.3	57.3	61.5	39.1
APM (Maersk India) CFS, Navi Mumbai	35.3	15.5	17.7	-	21.9	17.7
Maharashtra State Corp CFS	18.8	16.1	7.1	33.1	30.4	29.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	43.0	20.4	24.9

LDB Operations Snapshot



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 72+ million EXIM containers covered till date.(2024.07.11)

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/ICD name used in Performance Index

List of CFS names used in the Western CFS Performance Index

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

List of ICD names used in the ICD Performance Index

Ref. No.	Name	Ref. No.	Name
1	Dronagiri Rail Terminal CFS, Navi Mumbai	26	Albatross Inland Ports ICD, Dadri
2	ICD KHODIYAR	27	CMA CGM Logistics Park, Dadri
3	CONCOR ICD, Dadri	28	Pegasus Inland Container Depot
4	Adani ICD, Tumb	29	APM Terminals Inland Services ICD Bhamboli
5	Hind Terminals Logistics Park ICD, Palwal	30	Kribhco ICD, Meerut
6	ICD SANATHNAGAR	31	ICD KIFTPL Kashipur
7	HTPL ICD Qilaraipur Ludhiana	32	CONTAINER CORPORATION OF INDIA LTD - TONDIARPET (ICDTVT-T)
8	The Thar Dry Port ICD Ahmedabad	33	ICD Pali (KIPL)
9	ICD WHITEFIELD	34	APM Terminals ICD, Dadri
10	Pristine ICD Chawapail , Ludhiana	35	MMLP BARHI
11	ICD DDL, LUDHIANA	36	ICD KANPUR
12	CONCOR Kanakpura ICD, Jaipur	37	MMLP TIHI
13	MMLP KHATUWAS	38	Adani Logistics Park ICD, Gurgaon
14	ICD BGKT, JODHPUR	39	MMLP VARNAMA
15	KLPL ICD, Kanpur	40	ICD DAULATABAD
16	Continental Warehousing Corporation Nhava Sheva pvt.	41	MMLP PANTHNAGAR (SIDCUL-CONCOR)
17	Allcargo Logistics Park ICD, Dadri	42	Gateway Rail Freight ICD, Gurgaon
18	MMLP MIHAN	43	MMLP BALLI
19	The Thar Dry Port Jodhpur	44	CFS VALLARPADAM
20	Vaishno Container Terminal-ICD Tarapur	45	Gateway Rail Freight Limited ICD
21	ICD MANDIDEEP	46	Gateway Rail ICD, Sahnewal
22	Gateway Rail Freight ICD, Pyala	47	CONCOR ICD, Aurangabad
23	MMLP VISHAKAPATNAM		
24	ICD Jajpur (Jindal Stainless Ltd.)		
25	ICD ANKLESHWAR		

Annexure – Congestion Analysis & Methodology

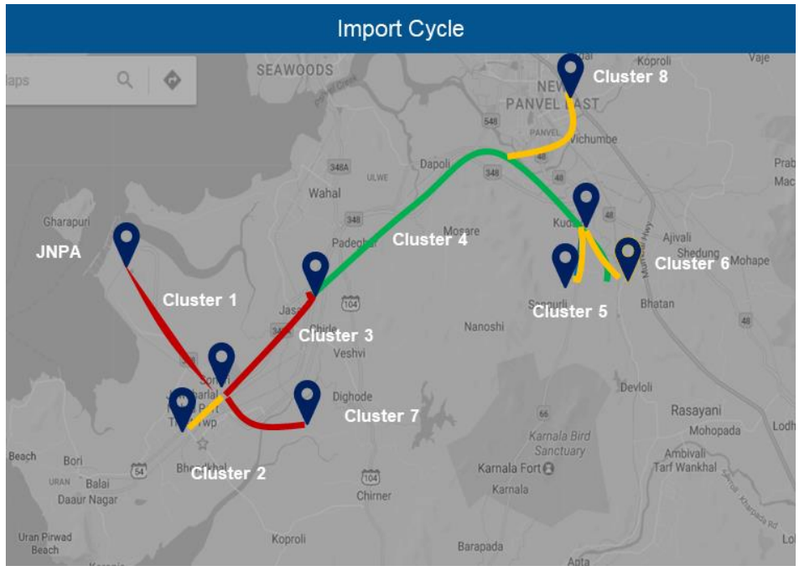
Methodology

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

Congestion Analysis

THANK YOU