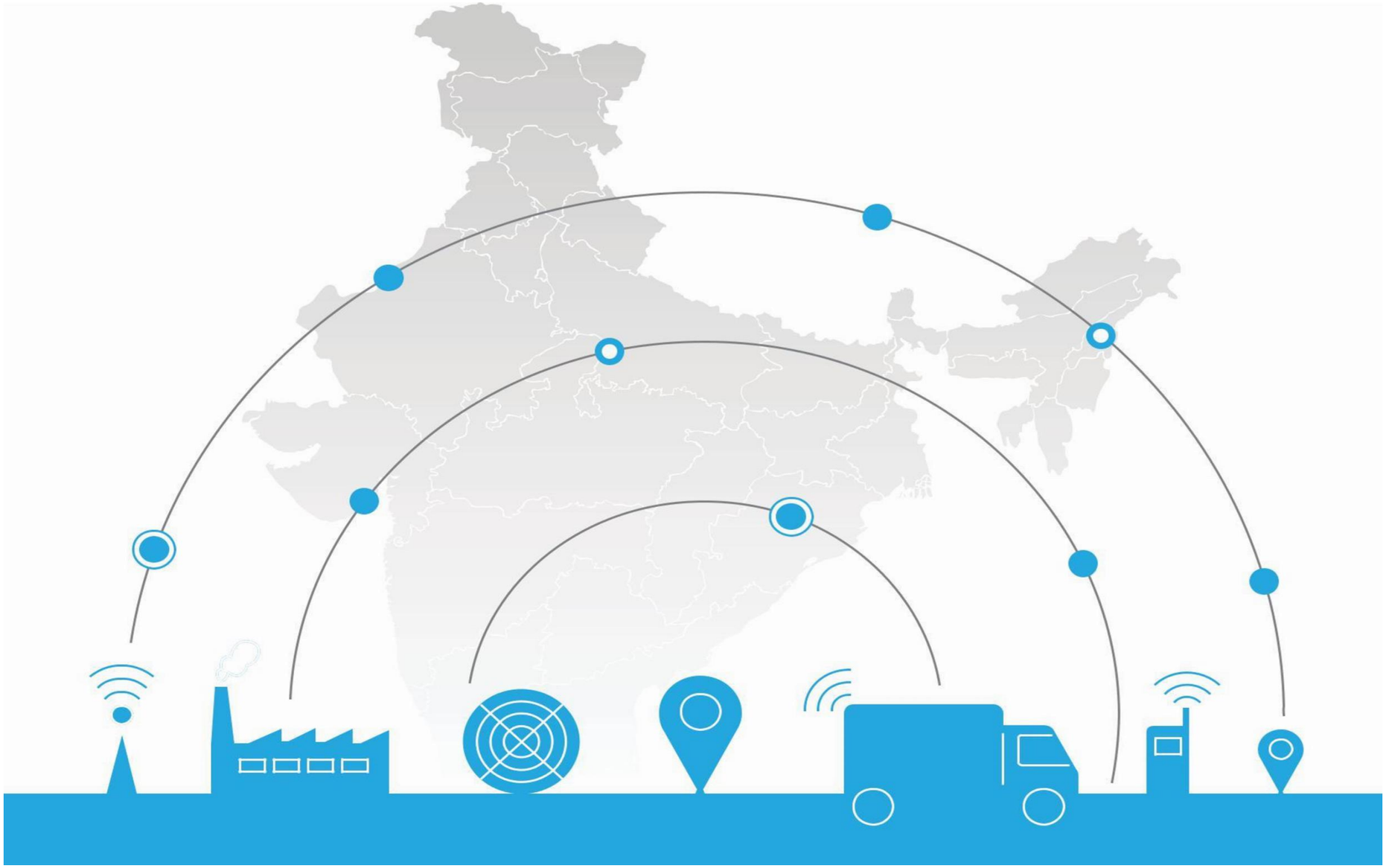
Logistics Databank Analytics Report – JNPA – Mar 2024



Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	**Feb'24 (in hrs)**	**Mar'24 (in hrs)**
NSFT	22.5	19.9
NSICT	25.4	19.3
GTI	19.8	15.5
NSIGT	25.8	21.1
BMCT	25.5	16.1

Export Cycle		
Port	**Feb'24 (in hrs)**	**Mar'24 (in hrs)**
NSFT	75.3	80.9
NSICT	57.0	60.1
GTI	74.1	74.8
NSIGT	82.5	77.8
BMCT	67.1	76.0

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance (Port Dwell Time) in Import cycle has declined and Export Cycle has improved. CFS Dwell Time in Import cycle has reduced. ICD Dwell Time in both Export and Import cycle has improved.

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'24	**17.2 hrs** ↓ 26.18%	**74.6 hrs** ↑ 5.8%	**77.8 hrs** ↓ 3.59%	**64.5** ↑ 2.38%	**106.1 hrs** ↓ 15.6%	**81.5 hrs** ↓ 11.3%
Feb'24	**23.3 hrs**	**70.5 hrs**	**80.7 hrs**	**63.0**	**125.7 hrs**	**91.9 hrs**

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall	22.0	18.4
Truck	17.9	15.7
Train	48.5	40.9

EXPORT

Mode	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall	93.4	93.8
Truck	87.1	88.2
Train	128.0	126.1

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	Feb'24 (in hrs)	Mar'24 (in hrs)
CFS Import	84.4	82.4
ICD Import	125.7	106.1

Entity	Feb'24 (in hrs)	Mar'24 (in hrs)
CFS Export	63.5	62.5
ICD Export	91.9	81.5

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

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

Port Performance Benchmarking & Performance Index - Western Corridor

Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Western Region

Performance Index – Mar'24

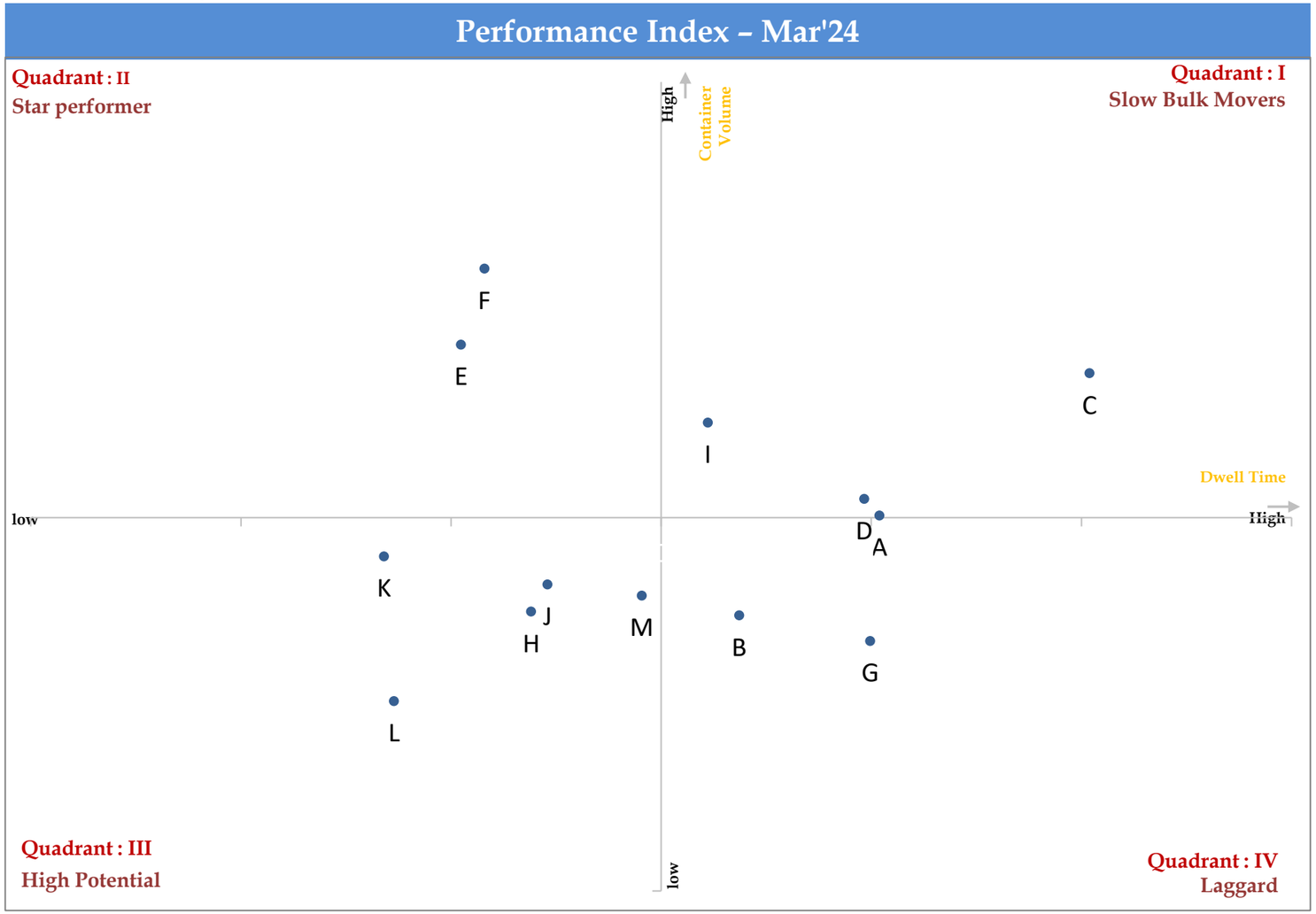


Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminals(PSA)
F	Gateway Terminals India (GTI)
G	APM Terminals Pipavav, Gujarat
H	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	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall	23.3	17.2
Truck	20.1	15.8
Train	51.5	33.2

EXPORT

Mode	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall	70.5	74.6
Truck	68.5	73.0
Train	86.7	88.5

Transit Time

Towards ICD

Station

Transit Cycle	Feb'24 (in hrs)	Mar'24 (in hrs)
Port to ICD	104.6	111.2
Port to CFS	2.35	2.40

Towards CFS

From ICD

Station

Transit Cycle	Feb'24 (in hrs)	Mar'24 (in hrs)
ICD to Port	103.5	-
CFS to Port	4.05	4.10

From CFS

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

ICD CFS

Entity	Feb'24 (in hrs)	Mar'24 (in hrs)
CFS Import	80.7	77.8
ICD Import	125.7	106.1

Entity	Feb'24 (in hrs)	Mar'24 (in hrs)
CFS Export	63.0	64.5
ICD Export	91.9	81.5

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 Feb'24

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

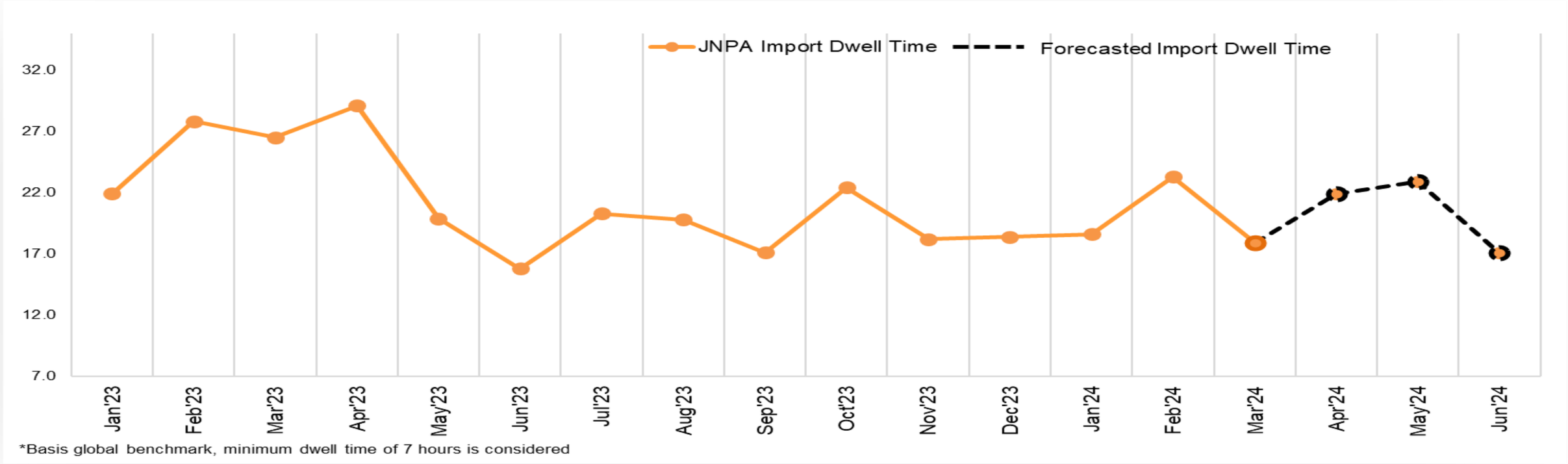
Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

	Particulars		Mar'24 (in hrs)	Feb'24 (in hrs)
Import Cycle	Dwell Time	Overall Dwell Time	17.2	23.3
		Truck Bound Containers	15.8	20.1
		Train Bound Containers	33.2	51.5
		Direct Port Delivery (DPD) containers	22.1	30.0
		Containers bound for CFS	14.2	18.1
		Empty Containers	25.1	29.5
		Laden Containers	15.9	22.3
	Transit Time	Port to ICD	111.2	104.6
		Port to CFS	2.40	2.35

	Particulars		Mar'24 (in hrs)	Feb'24 (in hrs)
Export Cycle	Dwell Time	Overall Dwell Time	74.6	70.5
		Truck Bound Containers	73.0	68.5
		Train Bound Containers	88.5	86.7
		Direct Port Entry (DPE) containers	77.2	74.7
		Containers bound from CFS	70.2	69.2
		Empty Containers	67.5	66.4
		Laden Containers	78.3	72.6
	Transit Time	ICD to Port	-	103.5
		CFS to Port	4.10	4.05

Container Transportation- JNPA Port Terminals



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

	Jan'24	Feb'24	**Mar'24**	Apr'24	May'24	Jun'24
Actual Dwell Time (in hours)	**18.6**	**23.3**	**17.2**	-	-	-
Forecasted Dwell Time (in hours)	**15.6**	**16.3**	**17.9**	**21.9**	**22.9**	**17.1**

Note:
All values are in hours

JNPA Region: Parking Plaza Dwell Time 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	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall Parking Plaza	5.08	6.40

Container Handled: Day wise (Mar'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	5%	20%	37%	26%	7%	5%

Parking Plaza Gate Out – Terminal In

Mode	Feb'24 (in hrs)	Mar'24 (in hrs)
Overall Parking Plaza to JNPA Port	1.00	1.10

Port	Feb'24 (in hrs)	Mar'24 (in hrs)
NSFT	1.8	-
NSICT	4.2	2.4
GTI	0.6	0.9
NSIGT	1.1	2.3
BMCT	4.0	2.2

Container Handled: Day wise (Mar'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	-	-	-	-	-	-
NSICT	37%	10%	10%	17%	2%	24%
GTI	57%	29%	8%	3%	1%	2%
NSIGT	35%	10%	10%	17%	10%	18%
BMCT	7%	36%	26%	14%	7%	10%

CFS/ICD Performance Benchmarking & Performance Index - Western Corridor

CFS

Performance Benchmarking

ICD

Top Performing CFS

Adani CFS Eximyard, Mundra

Top Performing ICD

Adani ICD, Tumb

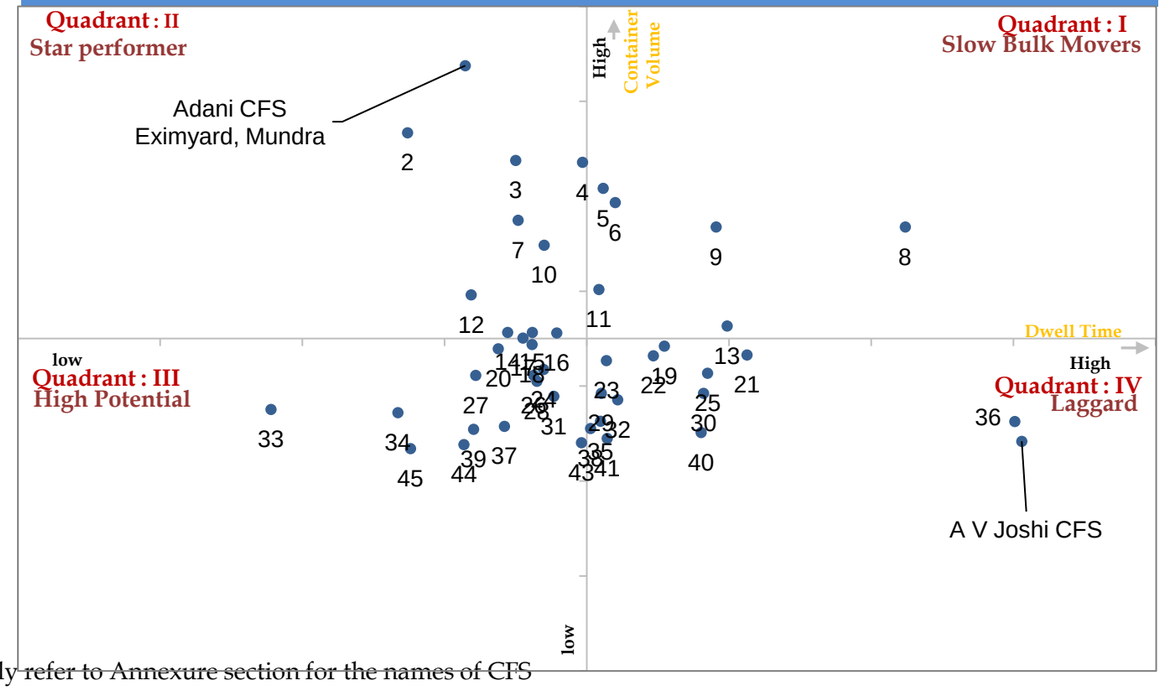
Low Performing CFS

A V Joshi CFS

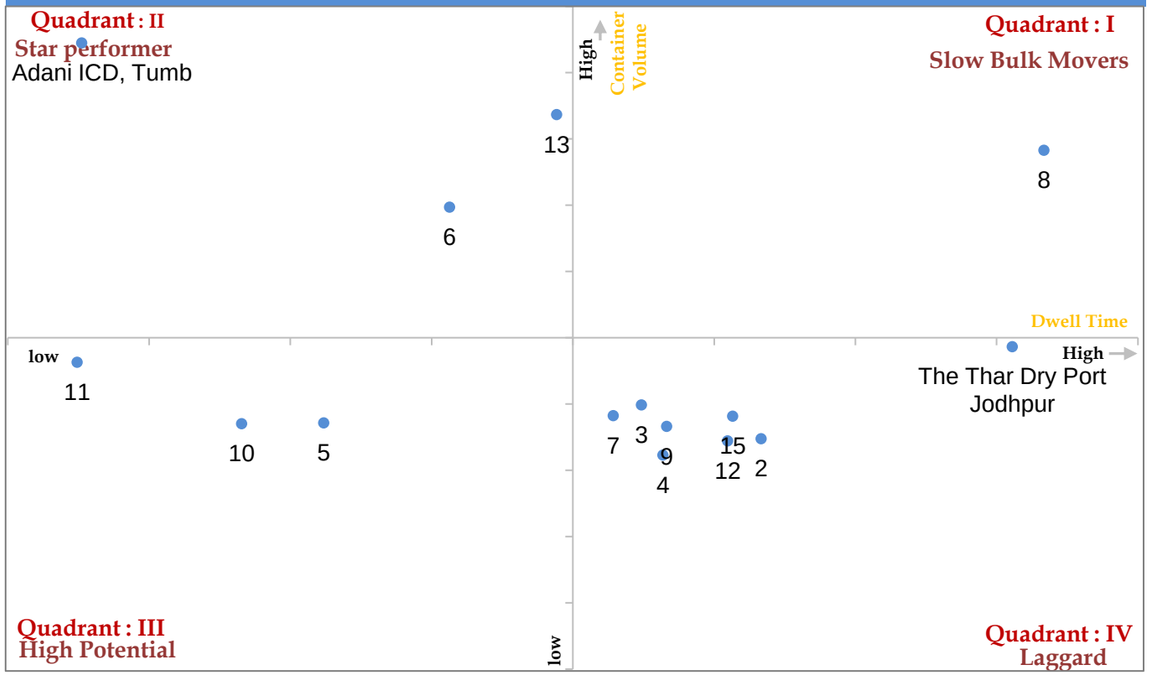
Low Performing ICD

The Thar Dry Port Jodhpur

Performance Index: Western Corridor CFS



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

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	Feb'24 (in hrs)	Mar'24 (in hrs)
NSFT	55.3	34.8
NSICT	52.5	32.2
GTI	46.3	33.7
NSIGT	48.3	41.2
BMCT	56.0	29.8

Container Handled: Day wise (Mar'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	14%	6%	17%	14%	25%	24%
NSICT	53%	9%	7%	8%	12%	11%
GTI	4%	13%	16%	17%	26%	24%
NSIGT	1%	14%	18%	16%	30%	21%
BMCT	2%	10%	17%	16%	30%	27%

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	Feb'24 (in hrs)	Mar'24 (in hrs)
NSFT	17.2	17.3
NSICT	22.2	18.4
GTI	16.9	13.9
NSIGT	23.1	19.2
BMCT	22.0	15.1

Container Handled: Day wise (Mar'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	66%	26%	6%	1%	1%	0%
NSICT	67%	27%	5%	1%	0%	0%
GTI	77%	19%	3%	1%	0%	0%
NSIGT	62%	27%	7%	2%	1%	0%
BMCT	76%	19%	3%	1%	0%	0%

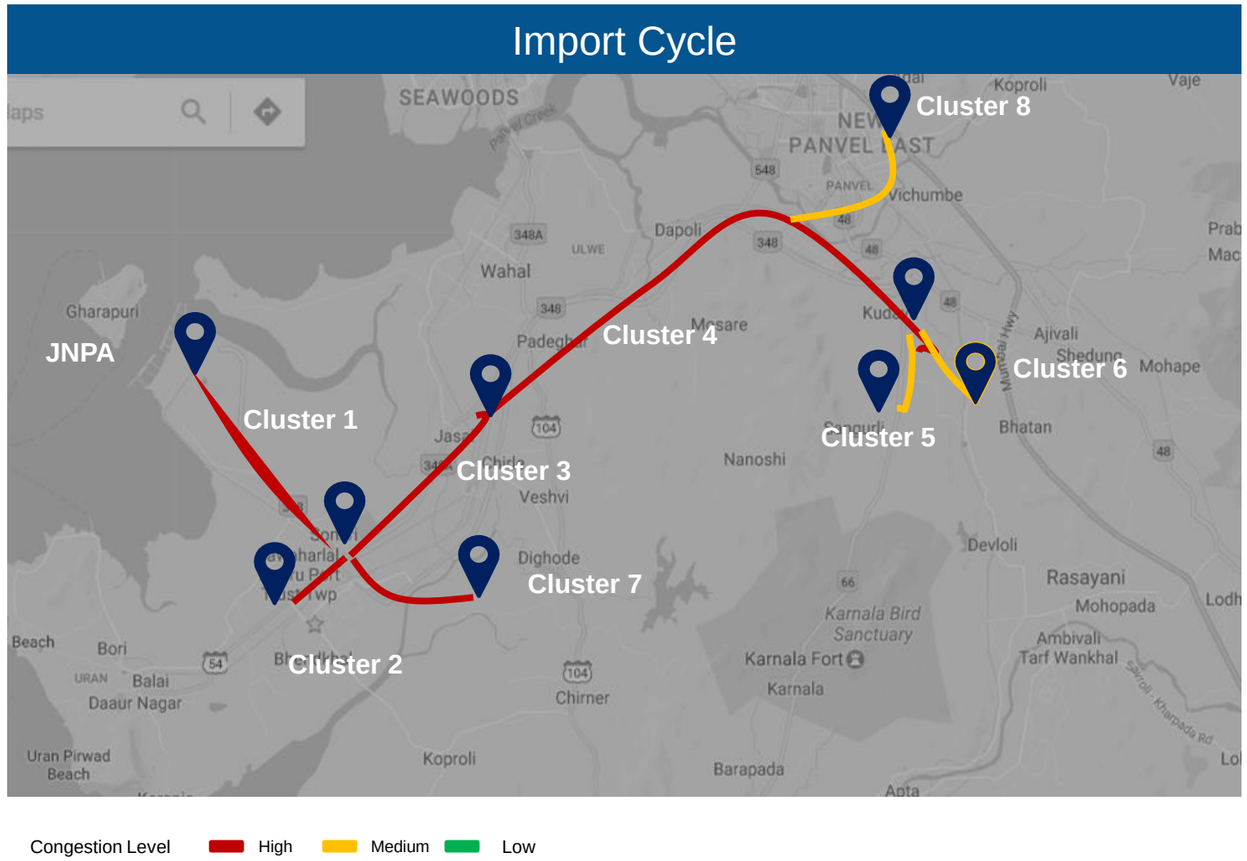
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

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

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	19.8	13.1	27.7	16.8
NSICT	41.6	17.8	20.5	18.9
GTI	24.7	12.8	23.9	14.8
NSIGT	42.0	16.6	25.5	19.1
BMCT	32.1	13.9	27.7	15.1

JNPA Region: Congestion Analysis (Import Cycle)

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



Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	High
Cluster 3	Sonari area,JNPA road	High
Cluster 4	Chirle area, JNPA road	High
Cluster 5	Plaspa area, coach kanyakumari highway	Medium
Cluster 6	Salva apta rd area, bangalore highway	Medium
Cluster 7	Patilpada area, khopate JNPA road	High
Cluster 8	Taloja, navi mumbai	Medium

JNPA Region Import Cycle: Container Movement

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

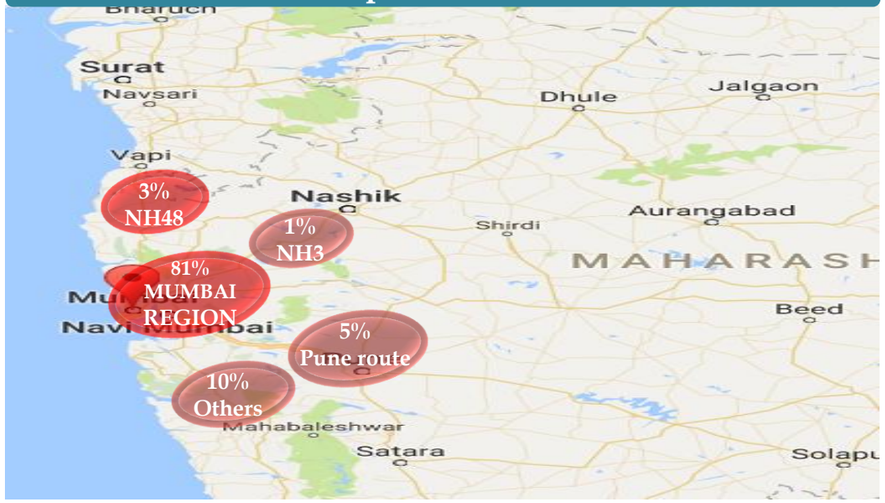
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Mar'24
Mumbai region	81%
NH3	1%
Pune	5%
NH48	3%
Others	10%

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

Heat Map via Truck: Mar'24



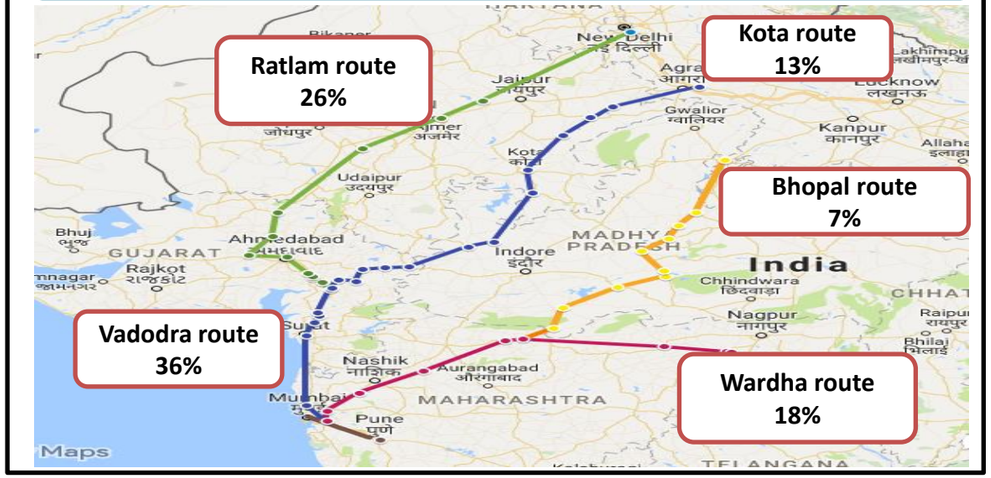
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Mar'24
Vadodra Route	36%
Ratlam Route	26%
Wardha Route	18%
Kota Route	13%
Bhopal Route	7%

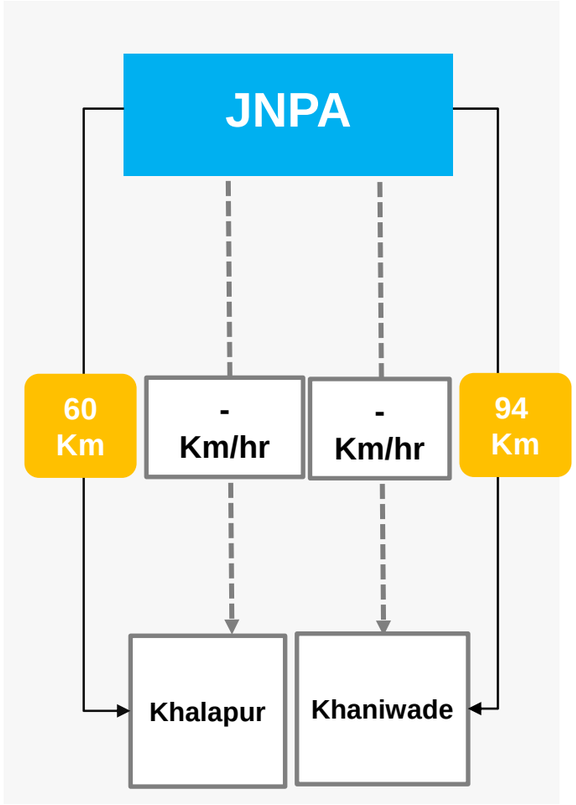
The map shows the volume wise container movement through different railway routes in import cycle

Container movement via Rail – Mar'24



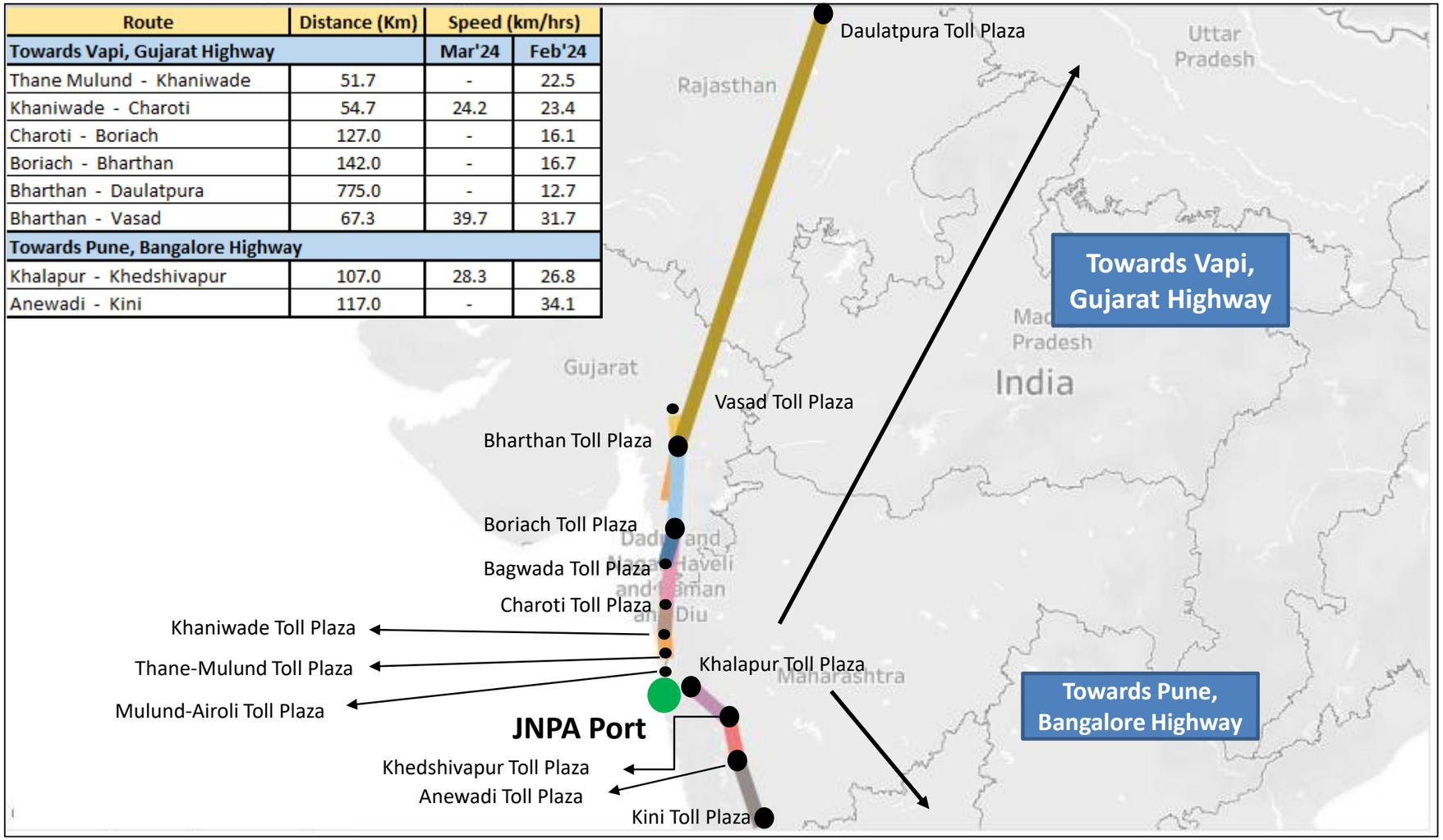
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (km/hrs)	
Towards Vapi, Gujarat Highway		**Mar'24**	**Feb'24**
Thane Mulund - Khaniwade	51.7	-	22.5
Khaniwade - Charoti	54.7	24.2	23.4
Charoti - Boriach	127.0	-	16.1
Boriach - Bharthan	142.0	-	16.7
Bharthan - Daulatpura	775.0	-	12.7
Bharthan - Vasad	67.3	39.7	31.7
Towards Pune, Bangalore Highway			
Khalapur - Khedshivapur	107.0	28.3	26.8
Anewadi - Kini	117.0	-	34.1



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	Feb'24 (in hrs)	Mar'24 (in hrs)
NSFT	99.4	94.8
NSICT	23.3	17.3
GTI	100.2	93.5
NSIGT	99.2	98.2
BMCT	89.5	106.4

Container Handled: Day wise (Mar'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	14%	6%	17%	14%	25%	24%
NSICT	53%	9%	7%	8%	12%	11%
GTI	4%	13%	16%	17%	26%	24%
NSIGT	1%	14%	18%	16%	30%	21%
BMCT	2%	10%	17%	16%	30%	27%

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	Feb'24 (in hrs)	Mar'24 (in hrs)
NSFT	70.8	78.8
NSICT	61.4	67.0
GTI	70.6	72.6
NSIGT	80.3	74.8
BMCT	65.2	73.1

Container Handled: Day wise (Mar'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	8%	13%	22%	27%	25%	5%
NSICT	9%	21%	25%	23%	19%	3%
GTI	4%	19%	26%	26%	21%	3%
NSIGT	4%	16%	27%	26%	25%	3%
BMCT	4%	17%	28%	27%	22%	3%

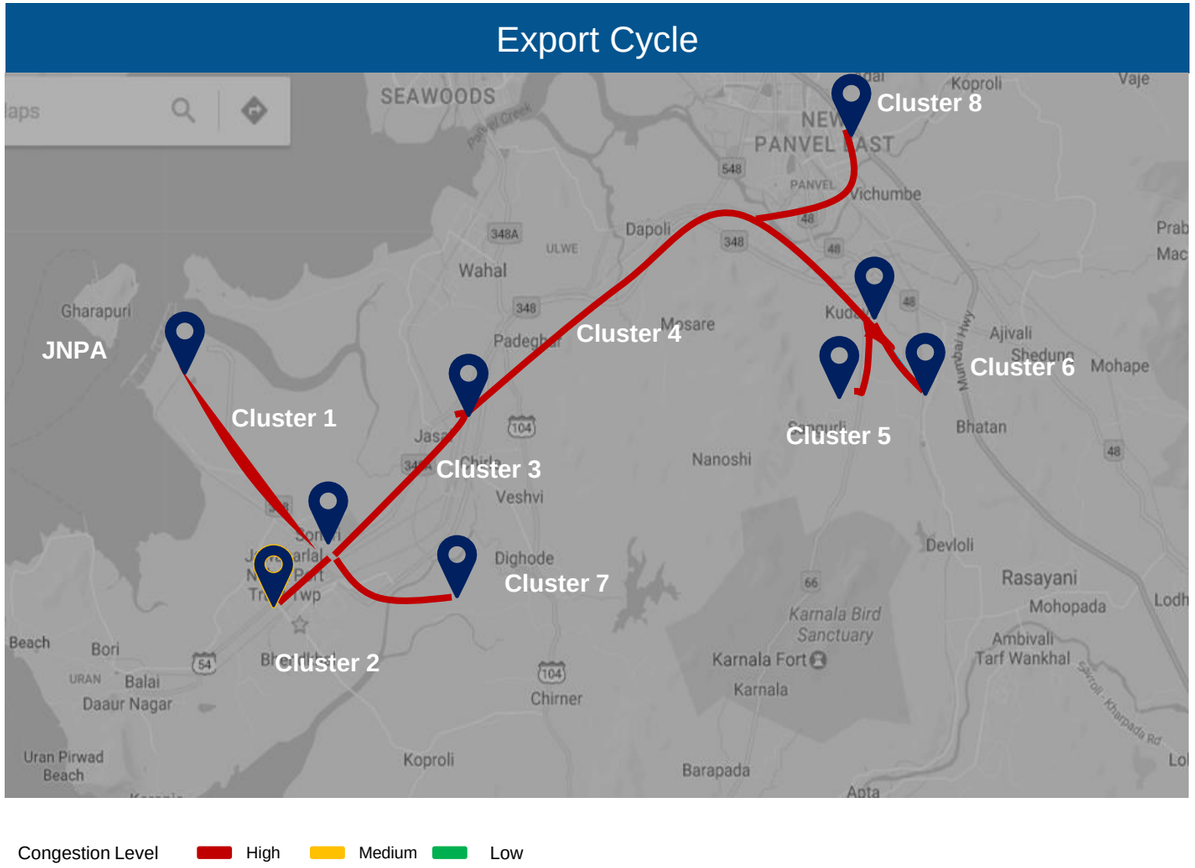
JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below tables depict the detailed JNPA region port performance in the month of Mar'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	80.6	76.0	78.1	82.2
NSICT	70.7	69.2	52.9	62.1
GTI	77.9	70.4	66.4	79.1
NSIGT	78.7	68.9	71.3	78.8
BMCT	20.6	68.8	68.2	83.0

JNPA Region: Congestion Analysis (Export Cycle)

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



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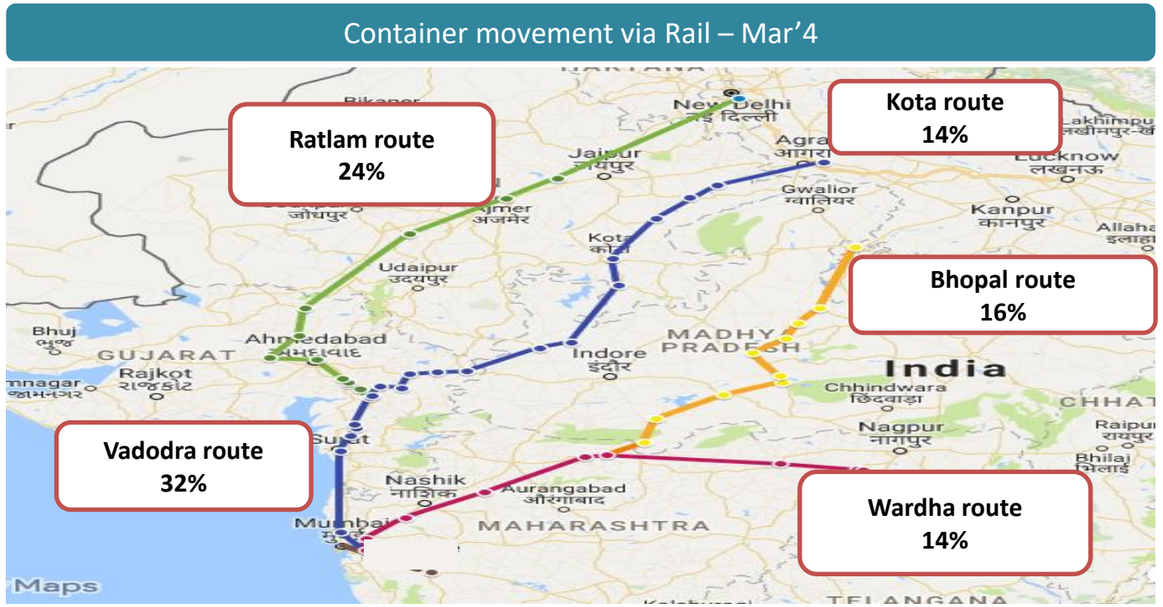
Cluster 2	Bhendkhal area, khopate road	High
Cluster 3	Sonari area,JNPA road	High
Cluster 4	Chirle area, JNPA road	High
Cluster 5	Plaspa area, coach kanyakumari highway	High
Cluster 6	Salva apta rd area, bangalore highway	High
Cluster 7	Patilpada area, khopate JNPA road	High
Cluster 8	Taloja, navi mumbai	High

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	32%
Ratlam Route	24%
Wardha Route	14%
Kota Route	14%
Bhopal Route	16%

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



CFS and ICD Performance

CFS Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

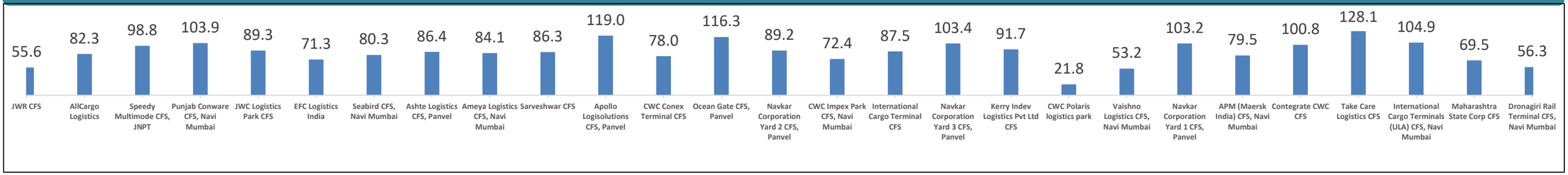
Below table and graphs show the dwell time of the respective CFSs for the month of Mar'24

CFS Dwell Time (in hrs.)

CFS	Feb'24 (in hrs)	Mar'24 (in hrs)
JWR CFS	63.5	55.6
AllCargo Logistics	76.6	82.3
Speedy Multimode CFS, JNPT	85.9	98.8
Punjab Conware CFS, Navi Mumbai	92.3	103.9
JWC Logistics Park CFS	84.2	89.3
EFC Logistics India	65.2	71.3
Seabird CFS, Navi Mumbai	72.6	80.3
Ashte Logistics CFS, Panvel	82.6	86.4
Ameya Logistics CFS, Navi Mumbai	78.4	84.1
Sarveshwar CFS	96.8	86.3
Apollo Logisolutions CFS, Panvel	79.0	119.0
CWC Conex Terminal CFS	74.7	78.0
Ocean Gate CFS, Panvel	103.8	116.3
Navkar Corporation Yard 2 CFS, Panvel	87.9	89.2

CFS	Feb'24 (in hrs)	Mar'24 (in hrs)
CWC Impex Park CFS, Navi Mumbai	77.4	72.4
International Cargo Terminal CFS	74.6	87.5
Navkar Corporation Yard 3 CFS, Panvel	70.4	103.4
Kerry Indev Logistics Pvt Ltd CFS	83.1	91.7
CWC Polaris logistics park	16.6	21.8
Vaishno Logistics CFS, Navi Mumbai	87.7	53.2
Navkar Corporation Yard 1 CFS, Panvel	108.1	103.2
APM (Maersk India) CFS, Navi Mumbai	91.2	79.5
Contegrate CWC CFS	71.5	100.8
Take Care Logistics CFS	94.8	128.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	75.7	104.9
Maharashtra State Corp CFS	-	69.5
Dronagiri Rail Terminal CFS, Navi Mumbai	73.6	56.3

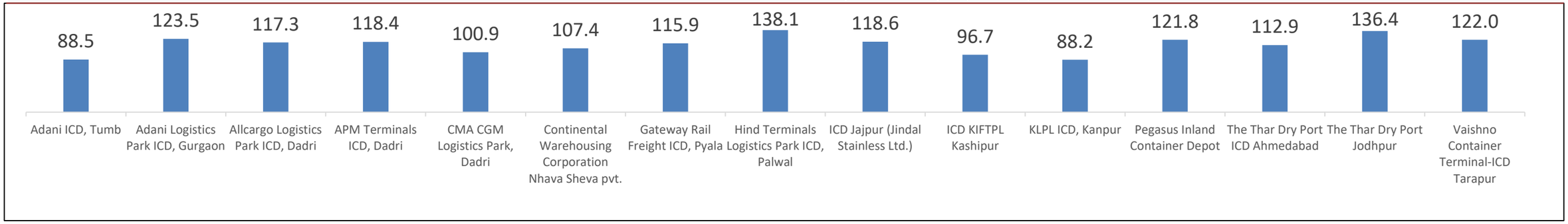
CFS – DWELL OVERVIEW – MAR'24 (IN HRS)



ICD Performance

ICD	Feb'24 (in hrs)	Mar'24 (in hrs)
Adani ICD, Tumb	94.1	88.5
Adani Logistics Park ICD, Gurgaon	129.4	123.5
Allcargo Logistics Park ICD, Dadri	105.6	117.3
APM Terminals ICD, Dadri	111.5	118.4
CMA CGM Logistics Park, Dadri	103.1	100.9
Continental Warehousing Corporation Nhava Sheva pvt.	105.1	107.4
Gateway Rail Freight ICD, Pyala	129.0	115.9
Hind Terminals Logistics Park ICD, Palwal	130.1	138.1
ICD Jajpur (Jindal Stainless Ltd.)	112.7	118.6
ICD KIFTPL Kashipur	100.7	96.7
KLPL ICD, Kanpur	92.6	88.2
Pegasus Inland Container Depot	137.5	121.8
The Thar Dry Port ICD Ahmedabad	112.1	112.9
The Thar Dry Port Jodhpur	200.3	136.4
Vaishno Container Terminal-ICD Tarapur	162.5	122.0

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

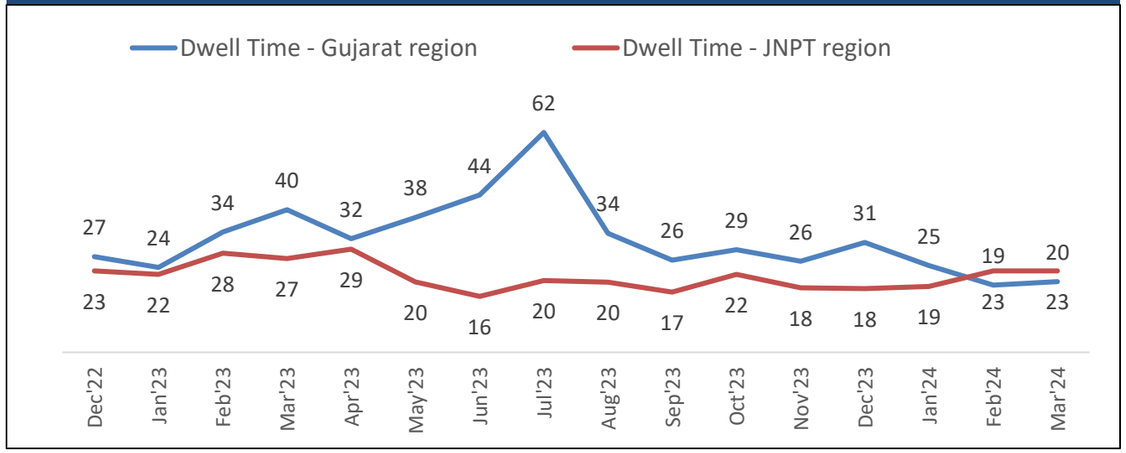


Trend Analysis

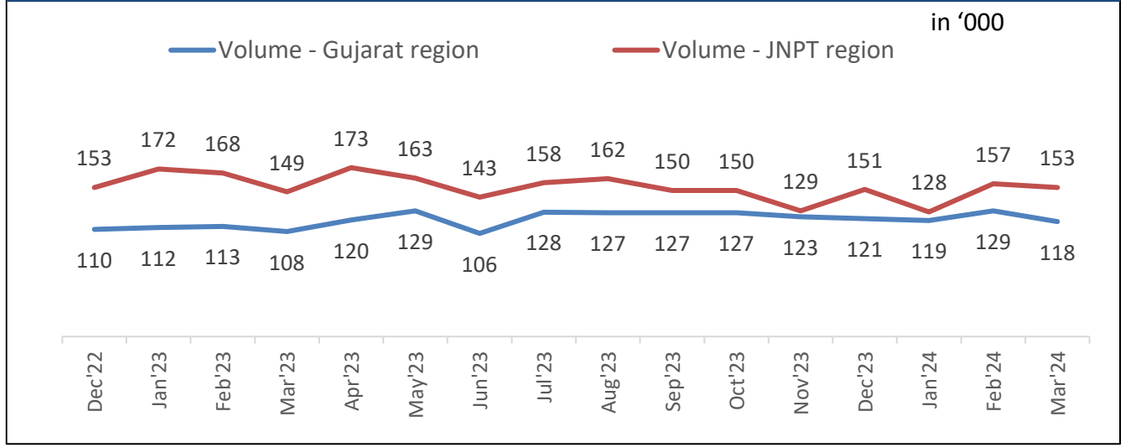
Western Corridor Port – Yearly Analysis

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

Dwell Time – Mundra Region Vs JNPA Region

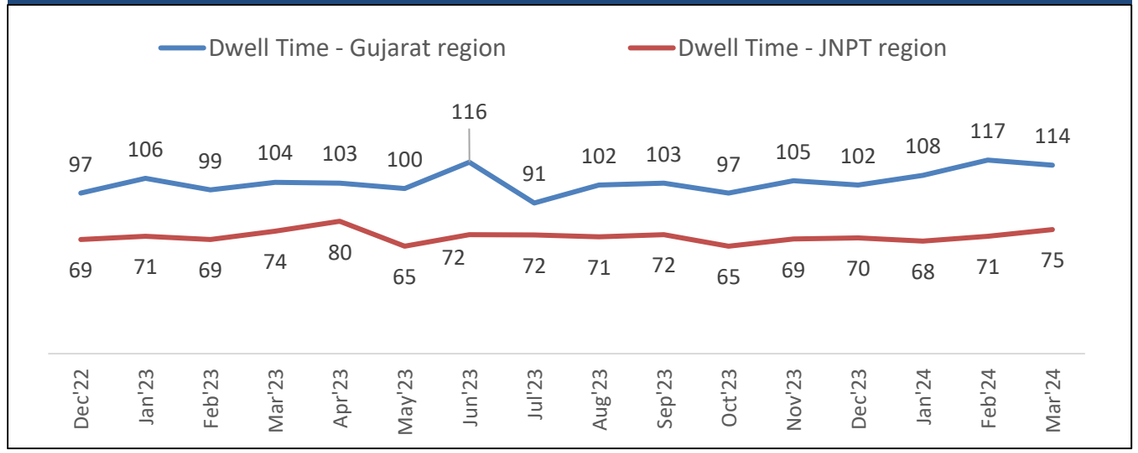


Volume – Mundra Region Vs JNPA Region

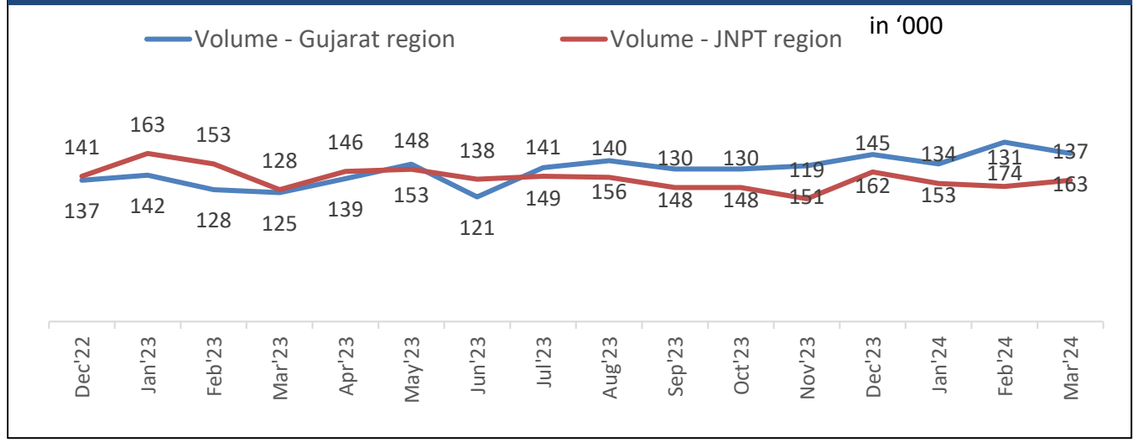


In Import cycle, for the month of Mar'24 Mundra port has catered 23.0% **less volume** than JNPA Port, and has performed with 15.0% **higher dwell time** than JNPA Port.

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

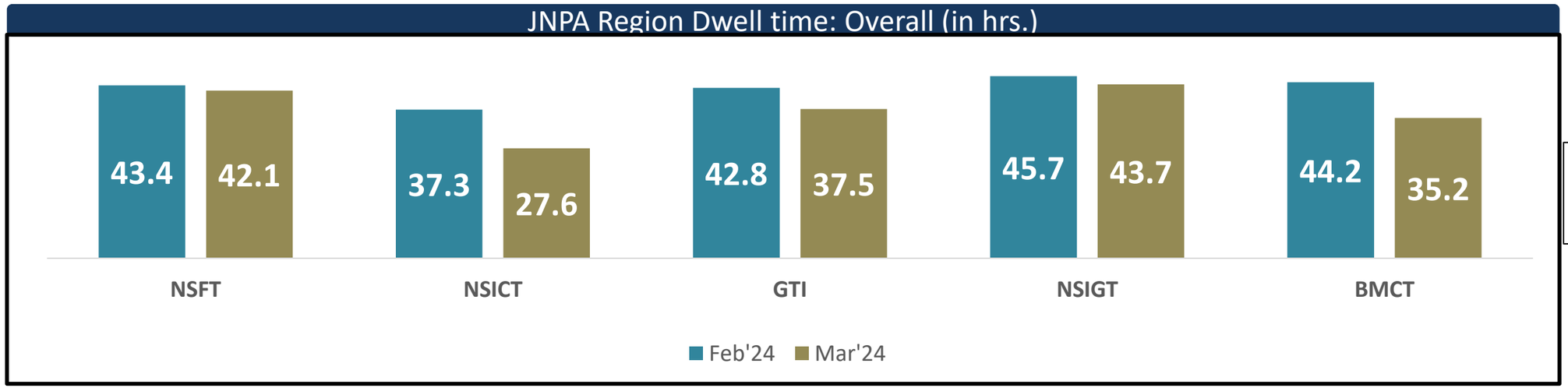


In Export cycle, for the month Mar'24 JNPA port catered 16.0**% lower volume** than Mundra Port, and has maintained 34.2% **lower dwell time** than Mundra Port

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

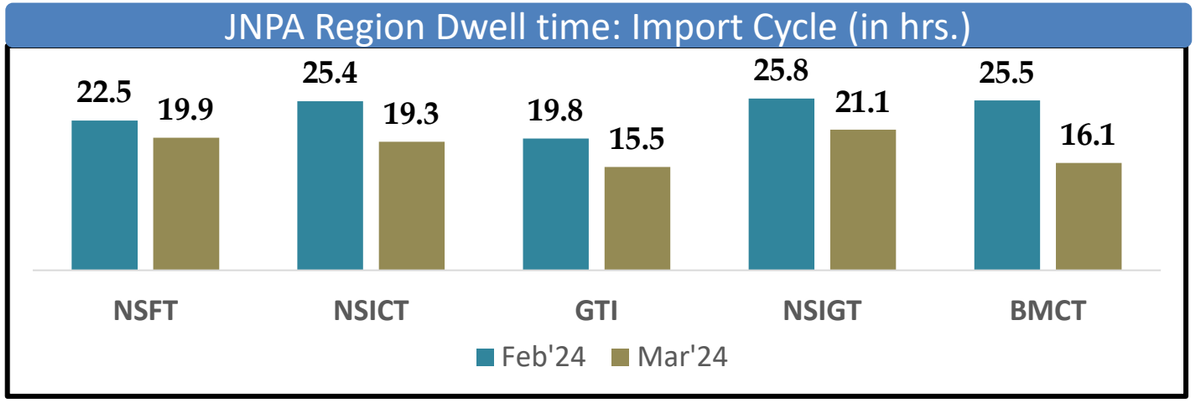


The overall JNPA region average dwell time for Mar'24 .

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

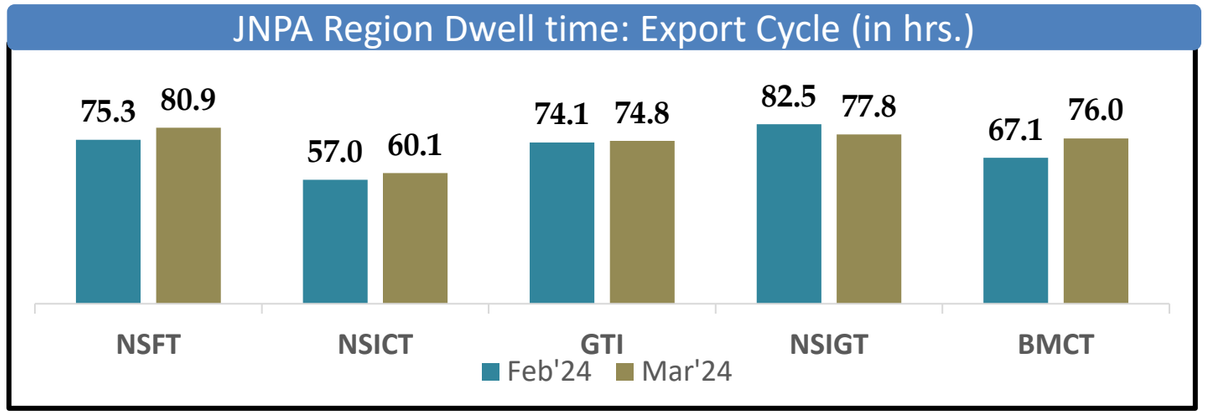
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Mar'24 is 17.2 hrs.



JNPA Export cycle Trend

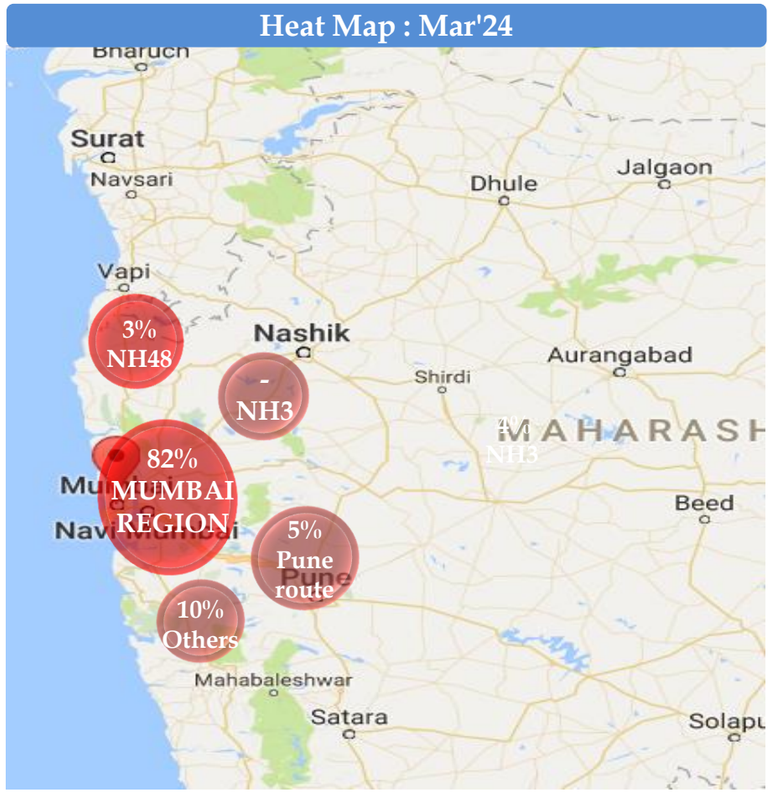
The average export cycle dwell time of JNPA region port terminals for Mar'24 is 74.6 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

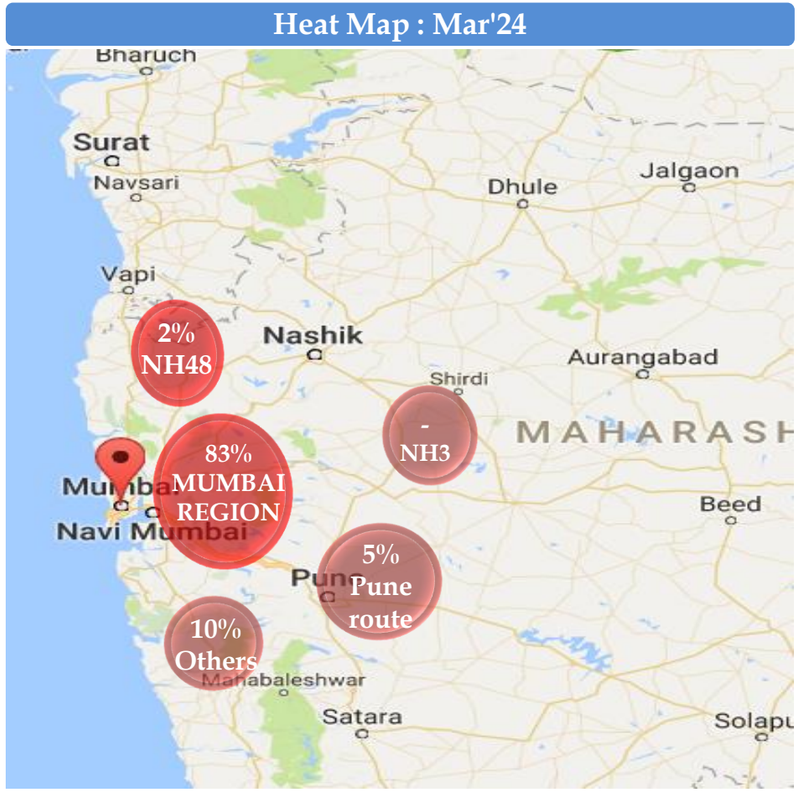
HEAT MAP : GTI Port Terminal



Region	Feb'24	Mar'24
Mumbai region	66%	82%
NH3	2%	-
Pune	17%	5%
NH48	5%	3%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

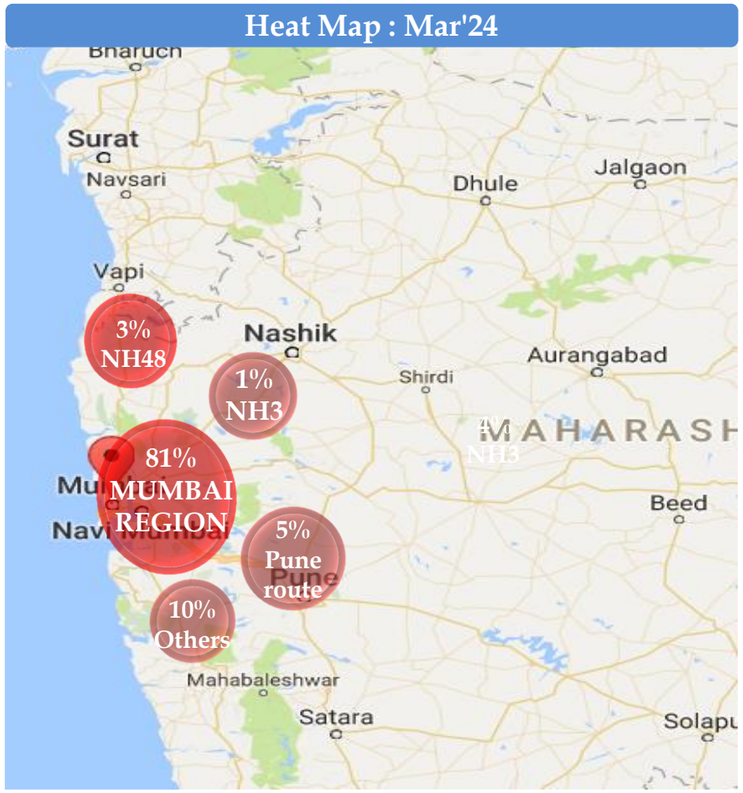


Region	Feb'24	Mar'24
Mumbai region	83%	83%
NH3	1%	-
Pune	5%	5%
NH48	1%	2%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

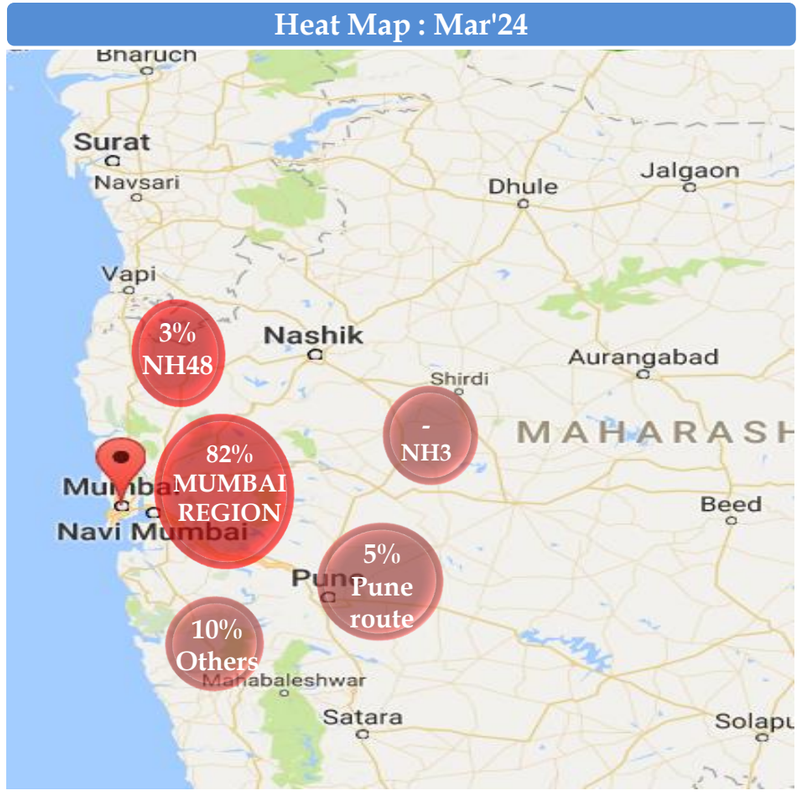
HEAT MAP : NSIGT Port Terminal



Region	Feb'24	Mar'24
Mumbai region	60%	81%
NH3	4%	1%
Pune	20%	5%
NH48	6%	3%
others	10%	10%

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

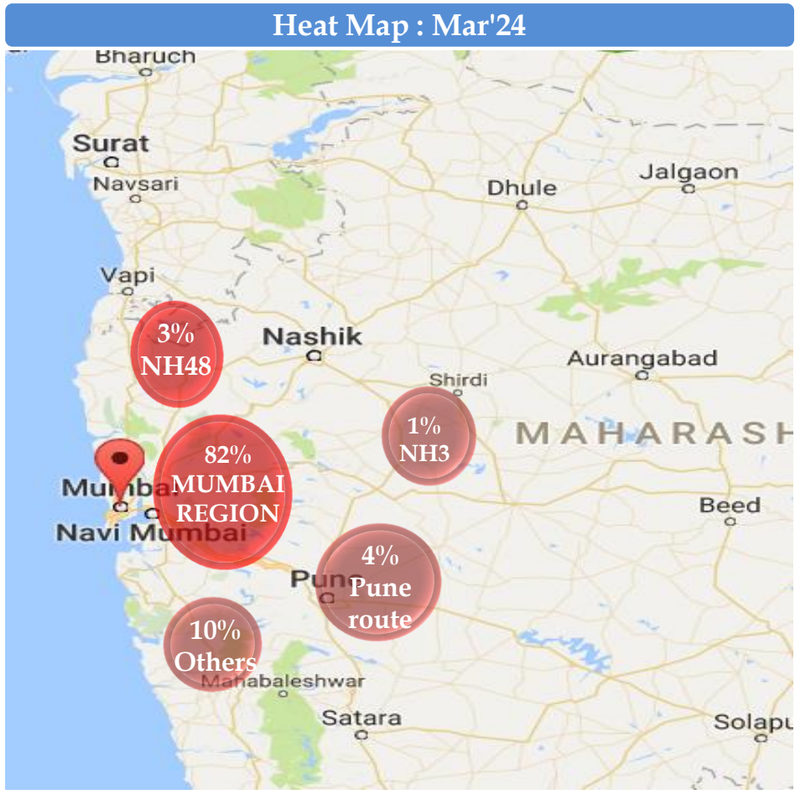
HEAT MAP : NSICT Port Terminal



Region	Feb'24	Mar'24
Mumbai region	70%	82%
NH3	2%	-
Pune	14%	5%
NH48	4%	3%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Feb'24	Mar'24
Mumbai region	76%	82%
NH3	1%	1%
Pune	9%	4%
NH48	4%	3%
others	10%	10%

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

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

CFS Out – Port In (Export Cycle) – Mar'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	2.6	6.1	3.9	4.1	3.4
Ameya Logistics CFS, Navi Mumbai	2.6	3.9	5.5	4.1	5.0
APM (Maersk India) CFS, Navi Mumbai	4.1	3.6	3.3	4.2	4.2
Apollo Logisolutions CFS, Panvel	2.6	7.5	3.4	6.2	4.0
Ashte Logistics CFS, Panvel	3.3	5.1	4.5	4.4	5.0
Central Warehousing Corporation	42.7	-	-	35.5	42.3
CFS AMBAD, NASHIK	-	-	13.7	12.6	17.4
Continental Warehousing CFS, Navi Mumbai	2.6	2.8	2.6	4.1	3.7
CWC Conex Terminal CFS	2.8	3.1	4.1	4.3	3.6
CWC Impex Park CFS, Navi Mumbai	3.4	5.9	3.1	2.7	3.5
CWC Polaris logistics park	2.5	4.7	39.3	-	-
Dronagiri Rail Terminal CFS, Navi Mumbai	1.9	17.9	2.4	3.7	2.9
EFC Logistics India	4.8	4.2	4.8	5.1	4.3
Gateway Distriparks CFS, Navi Mumbai	5.2	4.1	-	-	2.5
International Cargo Terminal CFS	2.6	4.8	4.4	3.5	4.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	3.8	4.5	2.9
JWC Logistics Park CFS	3.7	4.8	4.4	3.6	4.5
JWR CFS	4.1	5.1	4.3	4.4	4.3
Kerry Indev Logistics Pvt Ltd CFS	2.8	3.3	4.0	2.8	4.1
Maersk Annex (APM)CFS, Navi Mumbai	-	2.8	4.3	9.2	2.9
Maharashtra State Corp CFS	2.6	3.4	2.5	3.7	3.0
MICT CFS, Mundra	-	8.6	-	-	33.5
Navkar Corporation Yard 2 CFS, Panvel	4.0	7.5	5.9	3.3	4.6
Navkar Corporation Yard 3 CFS, Panvel	2.7	5.0	4.8	3.8	4.4
Ocean Gate CFS, Panvel	2.5	7.0	5.2	3.3	3.6
Punjab Conware CFS, Navi Mumbai	2.9	4.6	4.5	3.8	3.5
Sarveshwar CFS	5.1	6.6	6.6	4.4	4.2
SBW Logistics CFS, Navi Mumbai	7.6	7.2	9.1	9.7	11.8
Seabird CFS, Hazira	-	-	-	1.2	-
Seabird CFS, Navi Mumbai	3.3	5.9	4.4	4.6	3.4
Speedy Multimode CFS, JNPT	4.1	4.9	4.0	3.0	3.5
Take Care Logistics CFS	5.8	3.9	3.3	3.6	4.3
Transworld terminals CFS	2.9	8.3	3.0	4.3	2.8
Vaishno Logistics CFS, Navi Mumbai	4.7	2.9	4.8	3.9	3.4

CFS Delivery Time Analysis – JNPA Terminals to CFS

Port Out – CFS In (Import Cycle) – Mar'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	2.8	3.3	3.1	3.2	2.5
Ameya Logistics CFS, Navi Mumbai	2.2	2.6	2.6	2.5	2.2
APM (Maersk India) CFS, Navi Mumbai	2.7	2.3	2.4	2.0	2.3
Apollo Logisolutions CFS, Panvel	4.1	3.5	3.5	3.1	3.4
Ashte Logistics CFS, Panvel	2.3	2.6	2.8	2.5	2.3
Balmer & Lawrie CFS, Navi Mumbai	1.5	2.1	2.1	2.1	1.8
CFS AMBAD, NASHIK	36.1	25.0	36.1	32.8	-
CWC Conex Terminal CFS	2.6	2.2	2.9	2.5	2.0
CWC Impex Park CFS, Navi Mumbai	2.6	2.7	3.7	2.7	1.8
CWC Polaris logistics park	1.8	2.1	2.1	2.0	1.7
Dronagiri Rail Terminal CFS, Navi Mumbai	19.1	3.9	21.1	18.8	11.4
EFC Logistics India	1.8	2.3	2.1	2.2	2.0
Gateway Distriparks CFS, Navi Mumbai	35.6	3.1	4.2	4.4	3.6
International Cargo Terminal CFS	3.2	2.8	2.7	3.7	2.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.4	1.9	2.0	1.8	1.6
JWC Logistics Park CFS	2.8	2.6	2.6	2.6	2.3
JWR CFS	7.4	3.2	16.5	19.7	4.3
Kerry Indev Logistics Pvt Ltd CFS	3.1	3.8	3.8	3.4	3.5
Maersk Annex (APM)CFS, Navi Mumbai	-	2.1	2.3	2.2	1.8
Maharashtra State Corp CFS	5.4	2.6	2.6	3.1	1.7
Navkar Corporation Yard 1 CFS, Panvel	2.2	3.0	3.4	3.3	2.2
Navkar Corporation Yard 2 CFS, Panvel	2.4	2.9	3.0	2.6	2.5
Navkar Corporation Yard 3 CFS, Panvel	2.4	2.7	2.7	2.5	2.3
Ocean Gate CFS, Panvel	2.6	3.0	3.4	2.7	2.9
Punjab Conware CFS, Navi Mumbai	1.9	2.2	2.3	2.3	1.7
Sarveshwar CFS	2.1	2.5	2.4	2.0	2.0
SBW Logistics CFS, Navi Mumbai	3.5	32.3	5.2	14.6	4.2
Seabird CFS, Navi Mumbai	2.3	2.8	3.2	2.5	2.3
Speedy Multimode CFS, JNPT	1.4	1.9	2.0	1.5	1.5
Take Care Logistics CFS	3.9	2.8	2.7	2.9	2.5
Transworld terminals CFS	1.3	1.8	1.8	2.5	1.4
Vaishno Logistics CFS, Navi Mumbai	3.3	2.1	11.7	4.2	3.7

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 Mar'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	2.0	4.9
Cluster 2	6	13	2.3	4.4
Cluster 3	6	11	2.6	5.4
Cluster 4	1	13	2.3	3.0
Cluster 5	2	25	2.7	4.9
Cluster 6	6	25	3.1	6.7
Cluster 7	4	12	3.0	4.9
Cluster 8	1	34	32.3	7.2

CFS Cluster : NSFT Terminal

NSFT terminal for month of Mar'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	1.5	4.1
Cluster 2	6	13	2.6	3.5
Cluster 3	6	11	2.3	2.8
Cluster 4	1	13	3.3	4.7
Cluster 5	2	25	2.7	3.4
Cluster 6	6	25	2.5	2.8
Cluster 7	4	12	2.5	2.7
Cluster 8	1	34	3.5	7.6

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**

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 Mar'24				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.1	4.0
Cluster 2	6	13	2.5	4.0
Cluster 3	6	11	2.6	4.1
Cluster 4	1	13	11.7	4.8
Cluster 5	2	25	2.8	4.7
Cluster 6	6	25	3.1	4.1
Cluster 7	4	12	2.9	4.2
Cluster 8	1	34	5.2	9.1

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Mar'24				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.6	3.0
Cluster 2	6	13	2.8	4.0
Cluster 3	6	11	2.9	4.1
Cluster 4	1	13	4.3	3.9
Cluster 5	2	25	2.7	3.4
Cluster 6	6	25	2.7	4.7
Cluster 7	4	12	2.6	4.1
Cluster 8	1	34	14.6	9.7

CFS Cluster : BMCT Terminal

BMCT terminal for month of Mar'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	1.5	3.5
Cluster 2	6	13	2.1	3.9
Cluster 3	6	11	2.1	3.3
Cluster 4	1	13	3.8	3.4
Cluster 5	2	25	2.6	4.2
Cluster 6	6	25	2.6	4.4
Cluster 7	4	12	2.4	3.9
Cluster 8	1	34	4.2	11.8

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**

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

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	10.2	113.5	-	-	-	101.6
Ankaleshwar	101.6	60.8	59.0	59.0	-	61.3
Boisar	56.7	729.6	735.8	735.8	714.7	88.1
Dadri	51.9	-	78.7	78.7	730.6	78.3
Guhati	232.7	45.6	-	-	222.3	86.8
Indore	29.2	9.9	60.0	60.0	97.4	97.4
Jaipur	1467.7	1475.2	-	-	47.3	1471.4
Kanpur	82.1	70.4	120.7	120.7	27.6	80.4
Khopate	22.3	-	-	-	-	22.3
Ludhiana	737.9	23.5	-	-	764.9	187.4
Malanpur	25.2	30.6	59.4	59.4	15.5	36.8
Mandideep	44.4	8.9	65.2	65.2	15.8	46.9
Moradabad	91.7	21.6	2139.2	2139.2	9.7	44.0
Nagpur	66.4	11.2	745.4	745.4	70.0	70.1
Navi Mumbai	21.1	26.0	15.9	15.9	21.1	20.7
Patparganj	62.0	869.8	-	-	-	66.7
Sanatnagar	60.7	9.6	741.2	741.2	-	714.8
Thimmapur	708.7	-	117.8	117.8	138.1	144.0

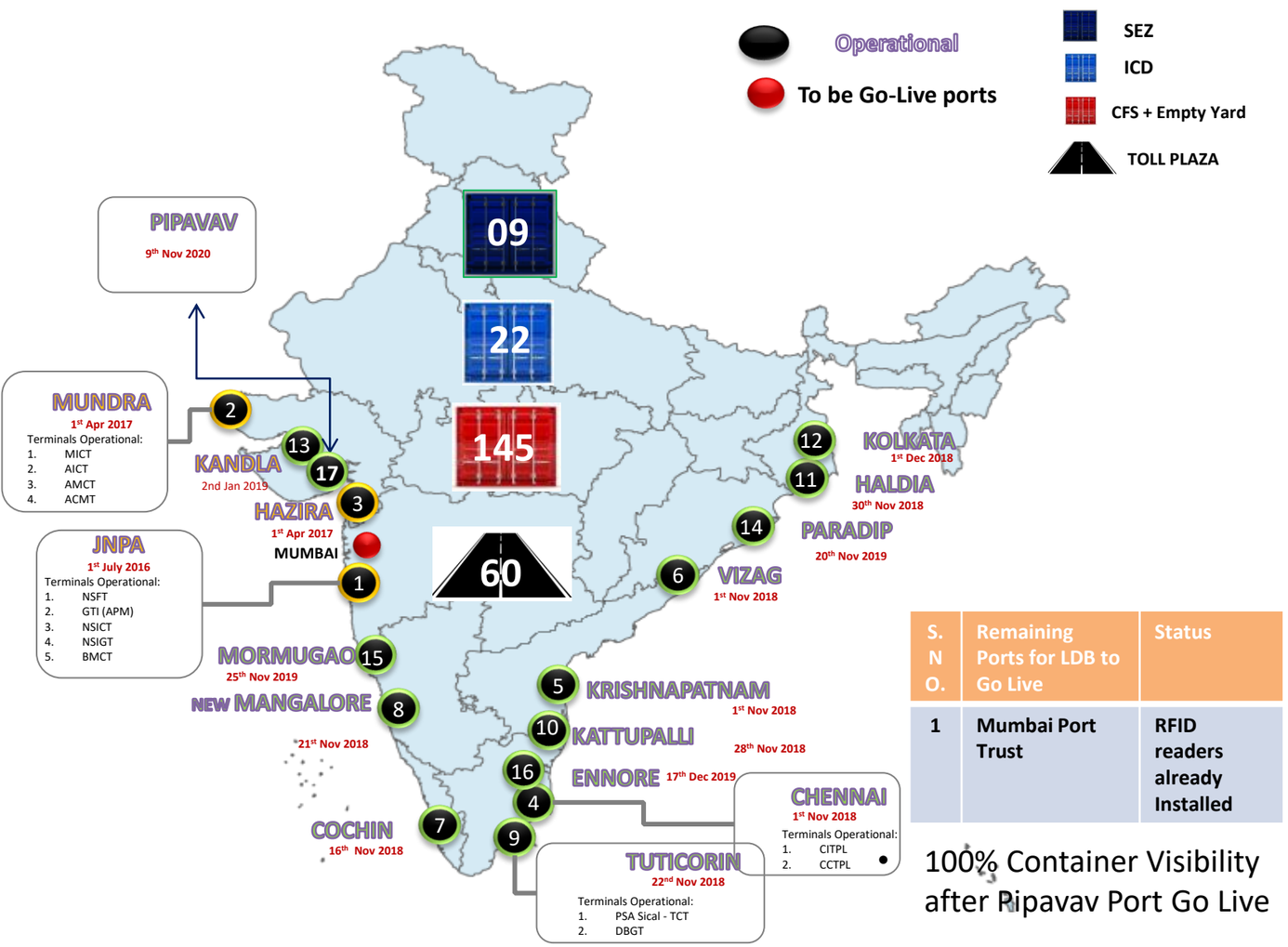
JNPA Region : Destination-wise Dwell Time – Import

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

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	11.6	-	12.5	12.5	14.2	12.1
Ameya Logistics CFS, Navi Mumbai	22.3	-	25.5	25.5	29.8	22.7
APM (Maersk India) CFS, Navi Mumbai	738.2	14.5	704.0	704.0	18.1	20.5
Apollo Logisolutions CFS, Panvel	11.3	9.9	14.2	14.2	13.8	11.0
Ashte Logistics CFS, Panvel	10.9	11.5	17.7	17.7	17.1	12.3
Balmer & Lawrie CFS, Navi Mumbai	14.8	16.6	17.5	17.5	18.6	16.8
Continental Warehousing CFS, Navi Mumbai	14.3	18.2	22.0	22.0	30.7	18.4
CWC Impex Park	16.3	15.0	18.3	18.3	23.7	16.7
Dronagiri Rail Terminal CFS, Navi Mumbai	22.3	26.0	15.5	15.5	-	24.3
EFC Logistics	16.1	16.8	19.5	19.5	31.0	17.1
Gateway Distriparks CFS, Navi Mumbai	16.1	16.6	20.8	20.8	27.1	18.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	17.9	17.9	31.7	24.9
JWC Logistics Park CFS	17.4	16.8	18.2	18.2	19.3	17.6
Kerry Indev Logistics Pvt Ltd CFS	13.5	11.4	11.6	11.6	18.6	12.7
Maharashtra State Corp CFS	12.6	27.6	31.2	31.2	1450.5	41.4
Navkar Corporation	15.6	15.6	20.0	20.0	25.3	16.8
Ocean Gate CFS, Panvel	13.1	14.6	29.2	29.2	13.9	14.8
Sarveshwar Logistics	10.9	10.6	14.3	14.3	16.1	11.8
Seabird CFS, Navi Mumbai	15.2	-	25.8	25.8	19.4	16.8
Speedy Multimode CFS, JNPT	11.7	230.5	16.1	16.1	20.0	13.6
Take Care Logistics	11.4	15.3	43.1	43.1	19.8	14.2
TG Terminals	20.9	-	31.3	31.3	20.1	20.9
Vaishno Logistics CFS, Navi Mumbai	14.5	19.6	13.7	13.7	24.3	17.6

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 69+ million EXIM containers covered till date.(2024.04.01)

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

List of ICD names used in the ICD Performance Index	
1	Adani ICD, Tumb
2	Adani Logistics Park ICD, Gurgaon
3	Allcargo Logistics Park ICD, Dadri
4	APM Terminals ICD, Dadri
5	CMA CGM Logistics Park, Dadri
6	Continental Warehousing Corporation Nhava Sheva pvt.
7	Gateway Rail Freight ICD, Pyala
8	Hind Terminals Logistics Park ICD, Palwal
9	ICD Jajpur (Jindal Stainless Ltd.)
10	ICD KIFTPL Kashipur
11	KLPL ICD, Kanpur
12	Pegasus Inland Container Depot
13	The Thar Dry Port ICD Ahmedabad
14	The Thar Dry Port Jodhpur
15	Vaishno Container Terminal-ICD Tarapur

Annexure – Congestion Analysis & Methodology

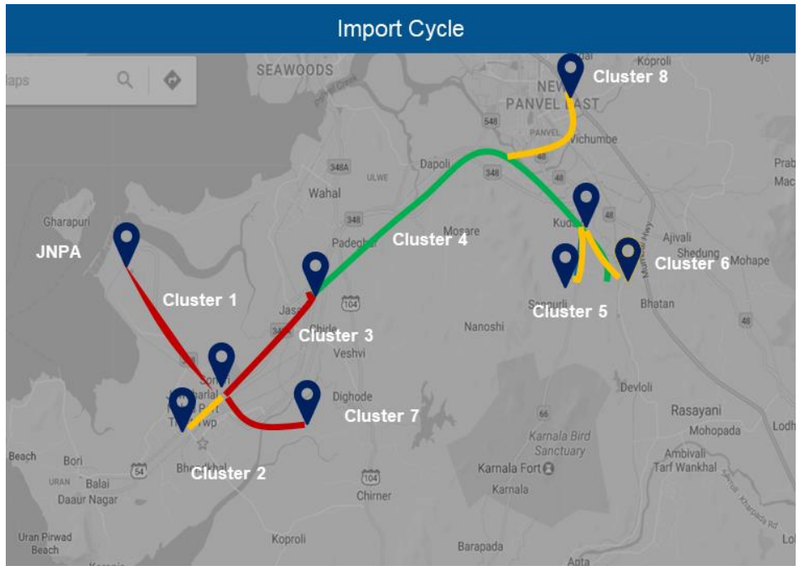
Methodology

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