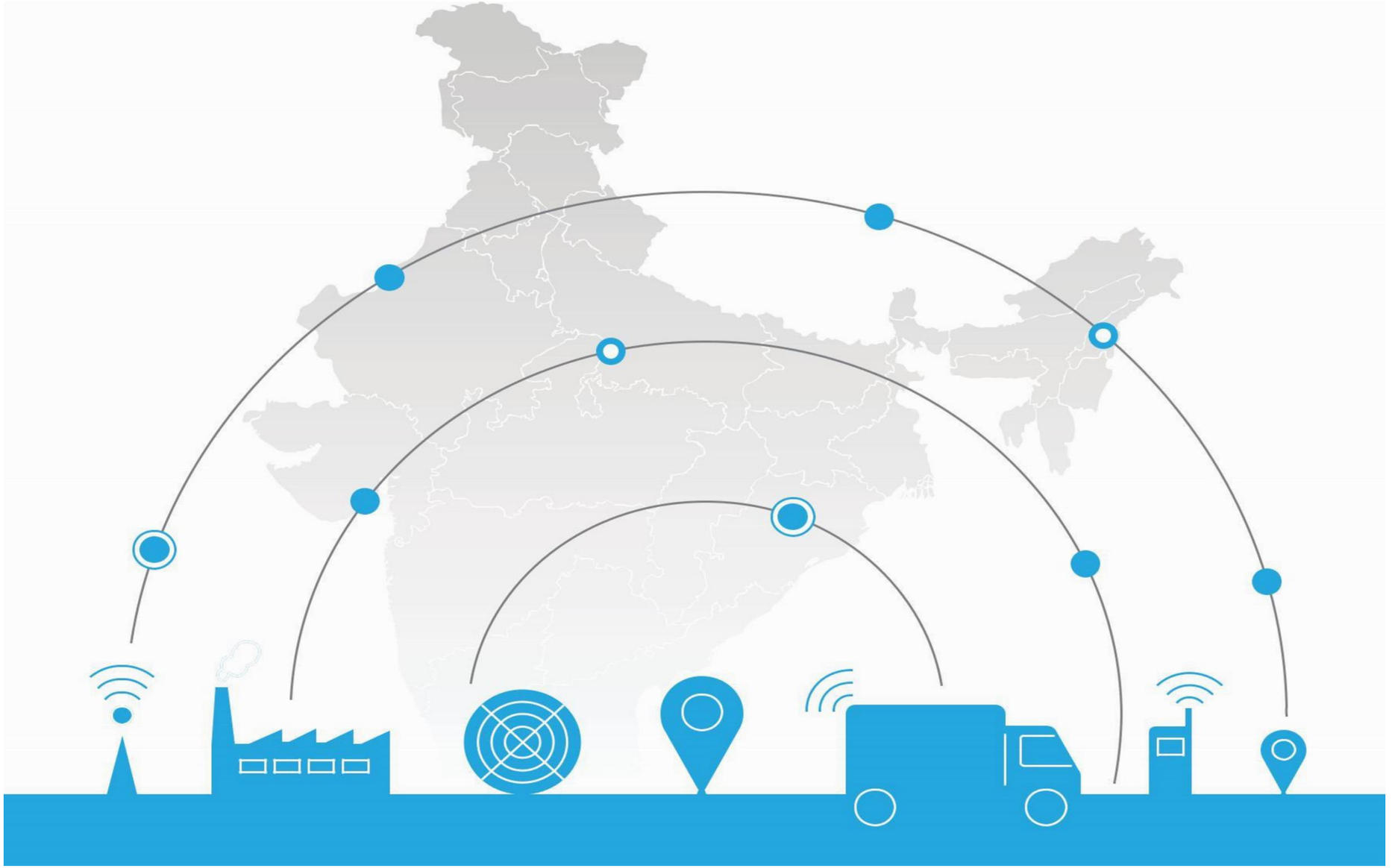
Logistics Databank Analytics Report – JNPA – May 2024



Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	**Apr'24 (in hrs)**	**May'24 (in hrs)**
NSFT	19.7	23.9
NSICT	22.5	30.7
GTI	16.2	23.0
NSIGT	23.4	26.8
BMCT	20.3	21.5

Export Cycle		
Port	**Apr'24 (in hrs)**	**May'24 (in hrs)**
NSFT	74.2	80.5
NSICT	44.9	52.3
GTI	76.4	71.8
NSIGT	70.5	85.2
BMCT	72.0	69.9

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 performance in both import and export cycle has improved. ICD dwell Time performance in both import and export 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
May'24	**24.1 hrs** ↑ 26.17%	**71.7 hrs** ↓ 2.58%	**82.5 hrs** ↓ 4.18%	**66.5 hrs** ↓ 5.81%	**102.5 hrs** ↓ 27.56%	**95.3 hrs** ↓ 6.20%
Apr'24	**19.1 hrs**	**73.6 hrs**	**86.1 hrs**	**70.6 hrs**	**141.5 hrs**	**101.6 hrs**

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

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	Apr'24 (in hrs)	May'24 (in hrs)
Overall	21.5	26.5
Truck	19.1	22.6
Train	38.6	57.2

EXPORT

Mode	Apr'24 (in hrs)	May'24 (in hrs)
Overall	98.2	96.7
Truck	90.8	90.7
Train	135.5	127.4

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	Apr'24 (in hrs)	May'24 (in hrs)
CFS Import	87.9	86.8
ICD Import	141.5	102.5

Entity	Apr'24 (in hrs)	May'24 (in hrs)
CFS Export	68.9	65.1
ICD Export	101.6	95.3

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

The marked entries showcase Decrease in performance in comparison to Apr'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:

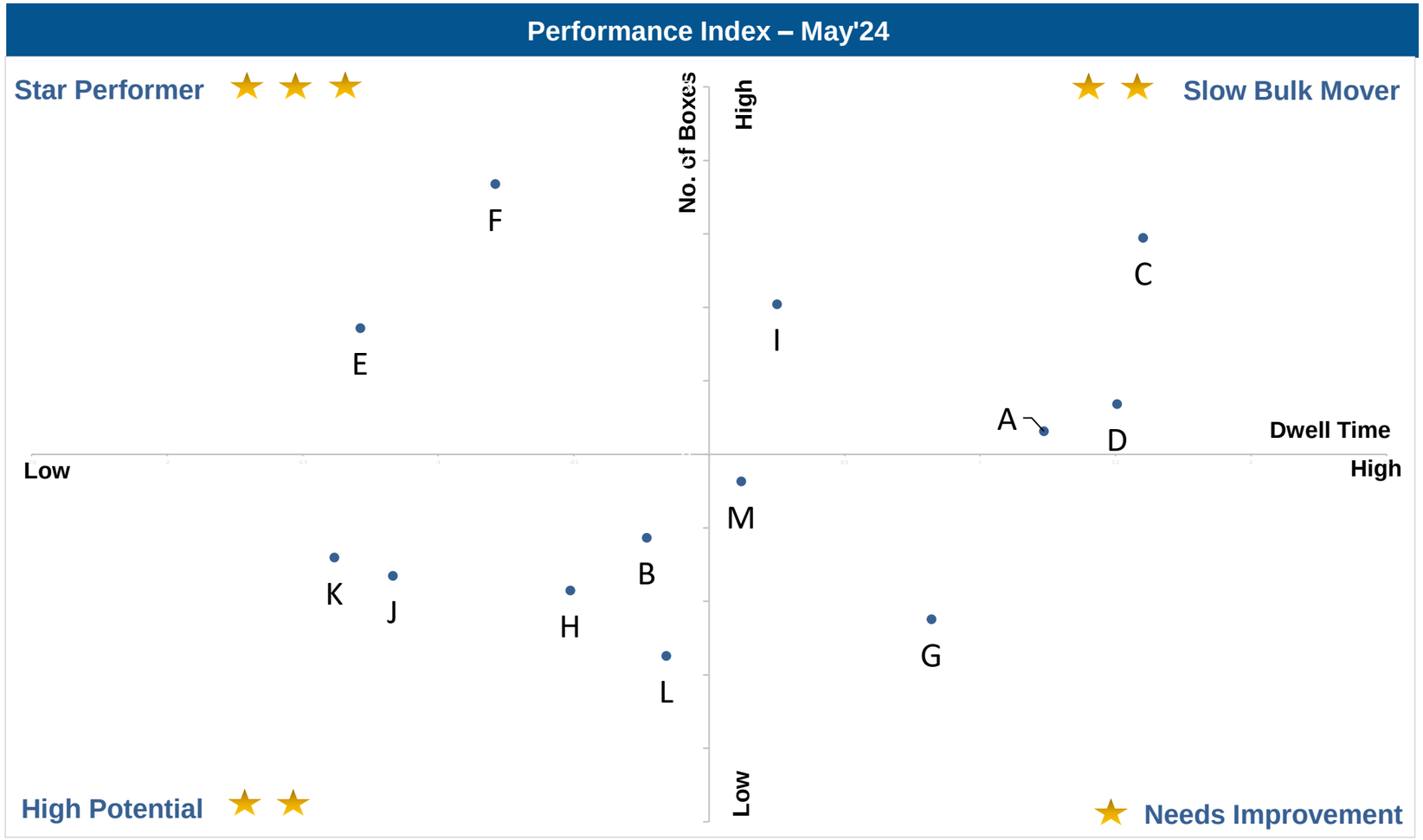


Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminals(PSA)
F	Gateway Terminals India (GTI)
G	APM Terminals Pipavav, Gujarat
H	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

Y-Axis: No. of Boxes

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	Apr'24 (in hrs)	May'24 (in hrs)
Overall	19.1	24.1
Truck	17.8	21.2
Train	31.9	48.1

EXPORT

Mode	Apr'24 (in hrs)	May'24 (in hrs)
Overall	73.6	71.1
Truck	71.0	69.3
Train	96.3	91.4

Transit Time

Towards ICD

Station

Transit Cycle	Apr'24 (in hrs)	May'24 (in hrs)
Port to ICD	108.4	111.5
Port to CFS	2.90	2.60

Towards CFS

From ICD

Station

Transit Cycle	Apr'24 (in hrs)	May'24 (in hrs)
ICD to Port	81.6	87.3
CFS to Port	3.40	4.30

From CFS

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

ICD | CFS

Entity	Apr'24 (in hrs)	May'24 (in hrs)
CFS Import	86.1	82.5
ICD Import	141.5	102.5

Entity	Apr'24 (in hrs)	May'24 (in hrs)
CFS Export	70.6	66.5
ICD Export	101.6	95.3

Volume distribution at port terminal – Truck/Rail

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

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

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

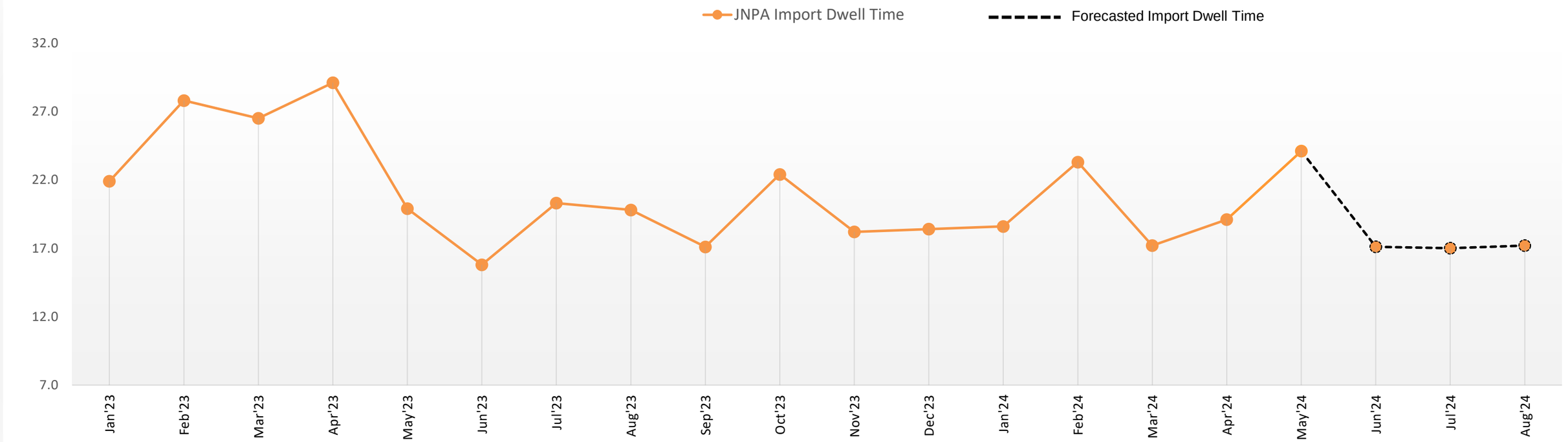
Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

Import Cycle	Particulars		Apr'24 (in hrs)	May'24 (in hrs)
	Dwell Time	Overall Dwell Time	19.1	24.1
		Truck Bound Containers	17.8	21.2
		Train Bound Containers	31.9	48.1
		Direct Port Delivery (DPD) containers	22.1	29.9
		Containers bound for CFS	15.8	19.7
		Empty Containers	25.2	33.5
		Laden Containers	-	22.5
	Transit Time	Port to ICD	108.4	111.5
		Port to CFS	2.90	2.60

Export Cycle	Particulars		Apr'24 (in hrs)	May'24 (in hrs)
	Dwell Time	Overall Dwell Time	73.6	71.1
		Truck Bound Containers	71.0	69.3
		Train Bound Containers	96.3	91.4
		Direct Port Entry (DPE) containers	78.4	77.9
		Containers bound from CFS	68.6	69.3
		Empty Containers	61.2	61.5
		Laden Containers	79.7	78.0
	Transit Time	ICD to Port	81.6	87.3
		CFS to Port	3.40	4.30

Container Transportation- JNPA Port Terminals



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

	Mar'24	Apr'24	**May'24**	Jun'24	Jul'24	Aug'24
Actual Dwell Time (in hours)	**17.2**	**19.1**	**24.1**	**-**	**-**	**-**
Forecasted Dwell Time (in hours)	**17.9**	**21.9**	**22.9**	**17.1**	**17.0**	**17.2**

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

Container Handled: Day wise (May'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	9%	24%	35%	22%	6%	4%

Parking Plaza Gate Out – Terminal In

Mode	Apr'24 (in hrs)	May'24 (in hrs)
Overall Parking Plaza to JNPA Port	0.70	1.10

Port	Apr'24 (in hrs)	May'24 (in hrs)
NSFT	0.6	0.5
NSICT	1.2	2.1
GTI	0.5	0.9
NSIGT	0.8	1.1
BMCT	2.8	3.9

Container Handled: Day wise (May'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	81%	14%	2%	1%	1%	1%
NSICT	29%	19%	17%	17%	11%	7%
GTI	55%	33%	8%	2%	1%	1%
NSIGT	49%	21%	12%	6%	4%	8%
BMCT	3%	15%	15%	19%	18%	30%

CFS/ICD Performance Benchmarking & Performance Index

CFS: Western Corridor

Performance Benchmarking

ICD: PAN India

Top Performing CFS

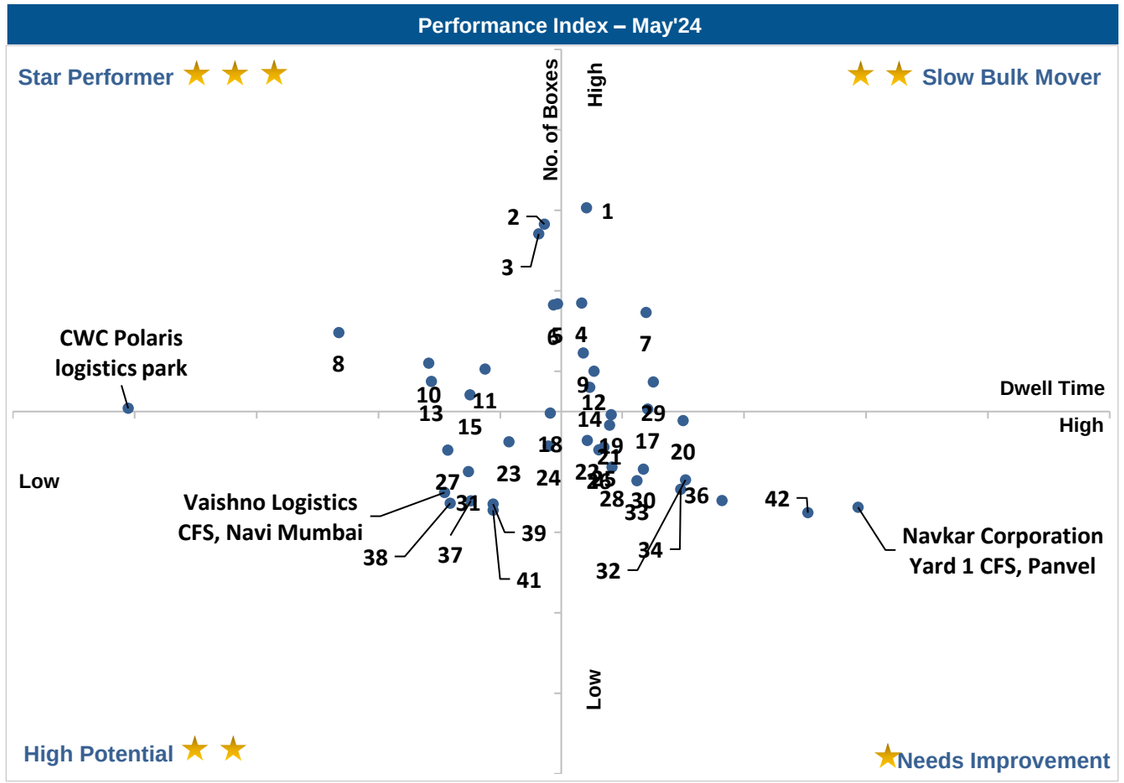
CWC Polaris logistics park

Top Performing ICD

Adani ICD, Tumb

Low Performing CFS

Navkar Corporation Yard 1 CFS, Panvel

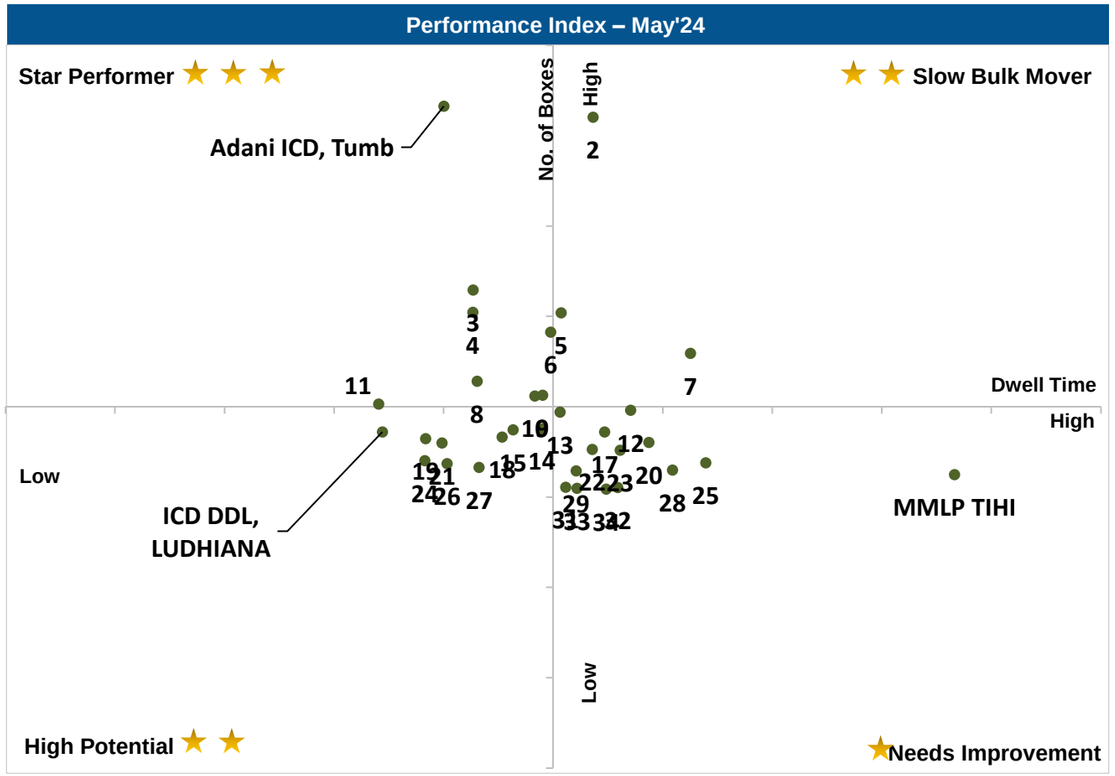


X-Axis: Dwell Time

Y-Axis: No. of Boxes

Low Performing ICD

MMLP TIHI



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
(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

Port	Apr'24 (in hrs)	May'24 (in hrs)
NSFT	28.9	51.1
NSICT	29.0	68.7
GTI	29.4	45.6
NSIGT	28.0	58.8
BMCT	38.3	40.3

Container Handled: Day wise (May'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	16%	28%	19%	17%	12%	8%
NSICT	7%	25%	21%	17%	18%	12%
GTI	22%	31%	17%	12%	12%	6%
NSIGT	18%	24%	15%	16%	20%	7%
BMCT	27%	30%	17%	11%	10%	5%

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

Port	Apr'24 (in hrs)	May'24 (in hrs)
NSFT	18.4	19.8
NSICT	22.2	27.5
GTI	15.0	20.2
NSIGT	22.6	23.8
BMCT	18.6	19.6

Container Handled: Day wise (May'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%	28%	8%	3%	1%	1%
NSICT	43%	33%	13%	4%	4%	1%
GTI	57%	24%	10%	4%	4%	1%
NSIGT	51%	28%	11%	6%	3%	1%
BMCT	61%	27%	7%	3%	1%	1%

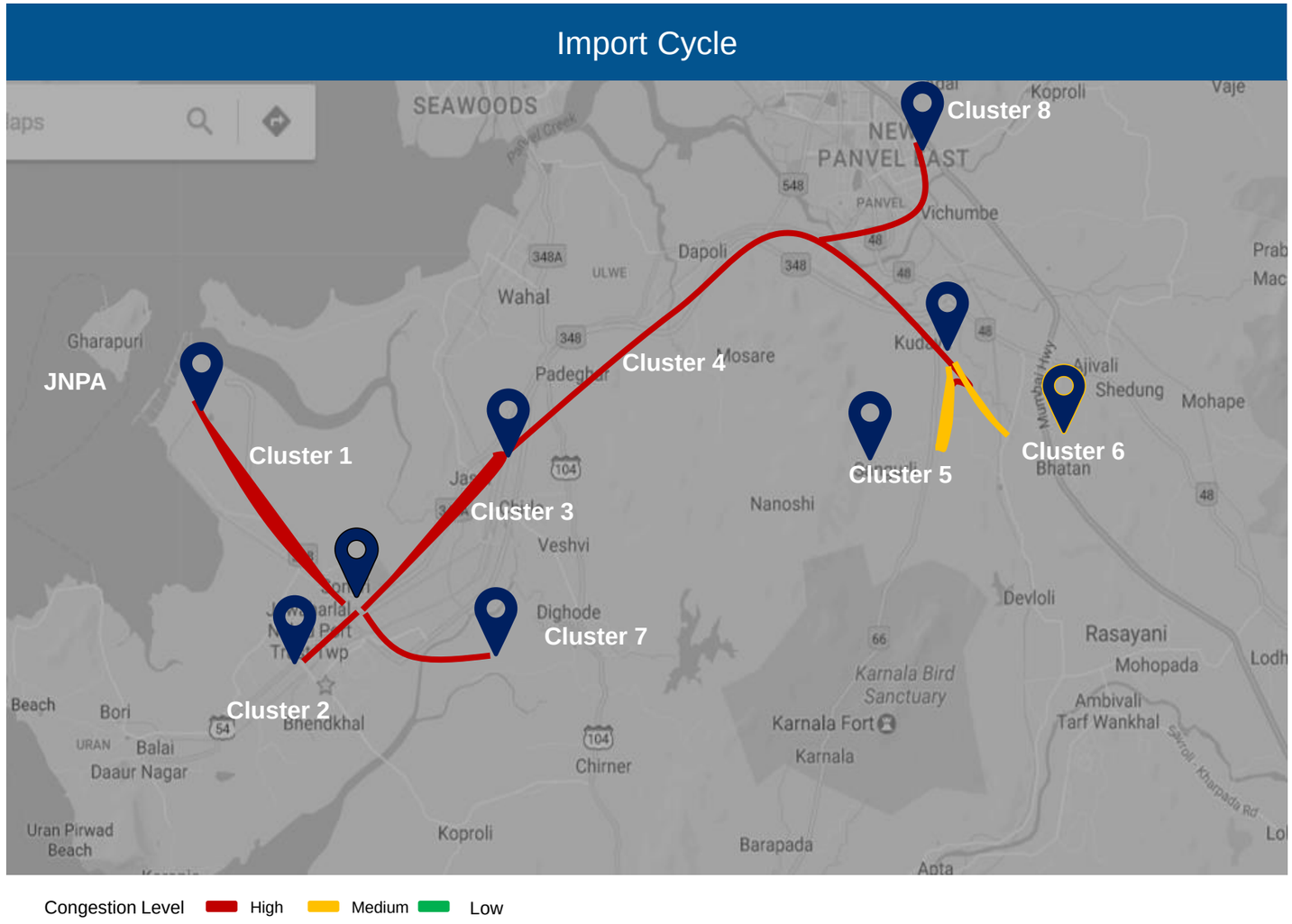
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of May'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	23.8	16.4	36.4	19.6
NSICT	55.9	27.1	38.7	27.9
GTI	42.8	18.9	31.5	22.0
NSIGT	71.9	21.1	38.1	24.5
BMCT	50.2	19.0	26.0	21.1

JNPA Region: Congestion Analysis (Import Cycle)

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



Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	7.83%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	25.77%	High
Cluster 3	Sonari Area,JNPA Road	2	10.85%	High
Cluster 4	Chirle Area, JNPA Road	1	0.57%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	14.42%	Medium
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	25.10%	Medium
Cluster 7	Patilpada Area, Khopate JNPA Road	3	14.31%	High
Cluster 8	Taloja, Navi Mumbai	1	1.15%	High

JNPA Region Import Cycle: Container Movement

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

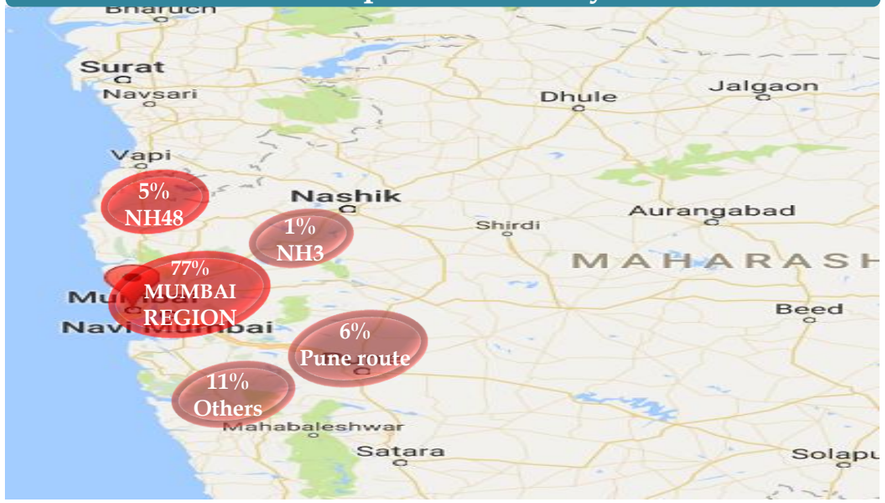
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	May'24
Mumbai region	77%
NH3	1%
Pune	6%
NH48	5%
Others	11%

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

Heat Map via Truck: May'24



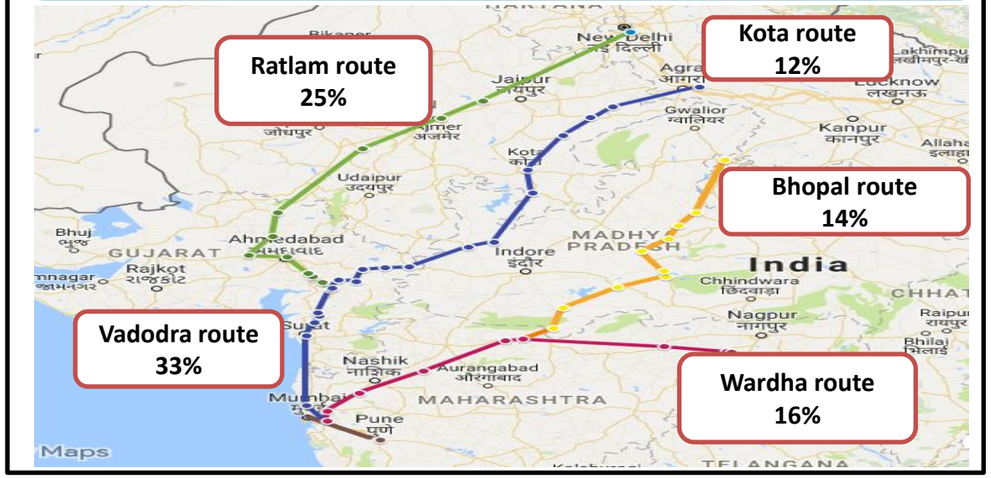
Train

VOLUME WISE CONTAINER MOVEMENT

Region	May'24
Vadodra Route	33%
Ratlam Route	25%
Wardha Route	16%
Kota Route	12%
Bhopal Route	14%

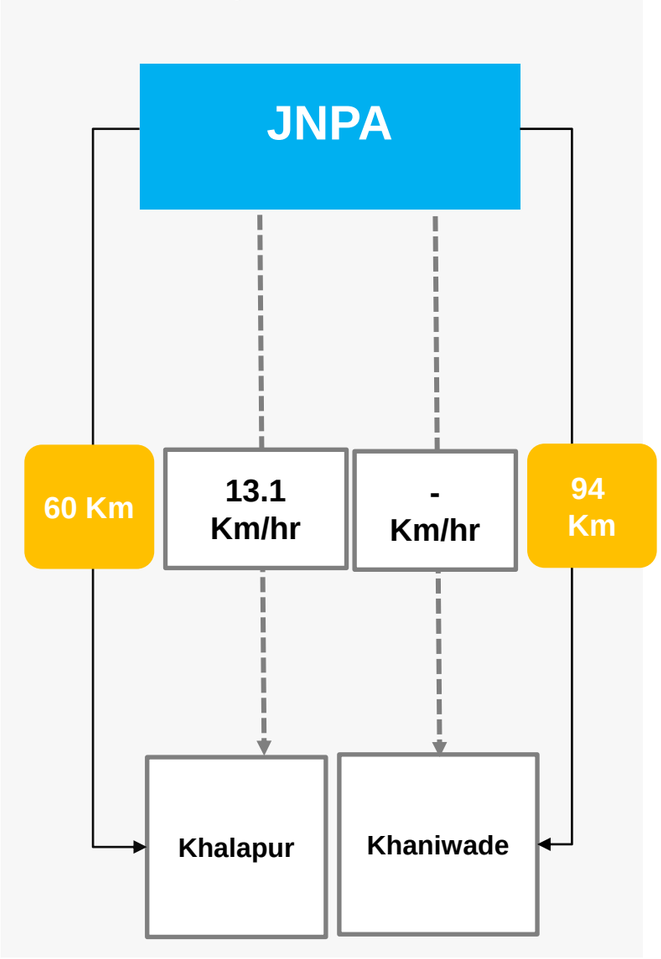
The map shows the volume wise container movement through different railway routes in import cycle

Container movement via Rail – May'24



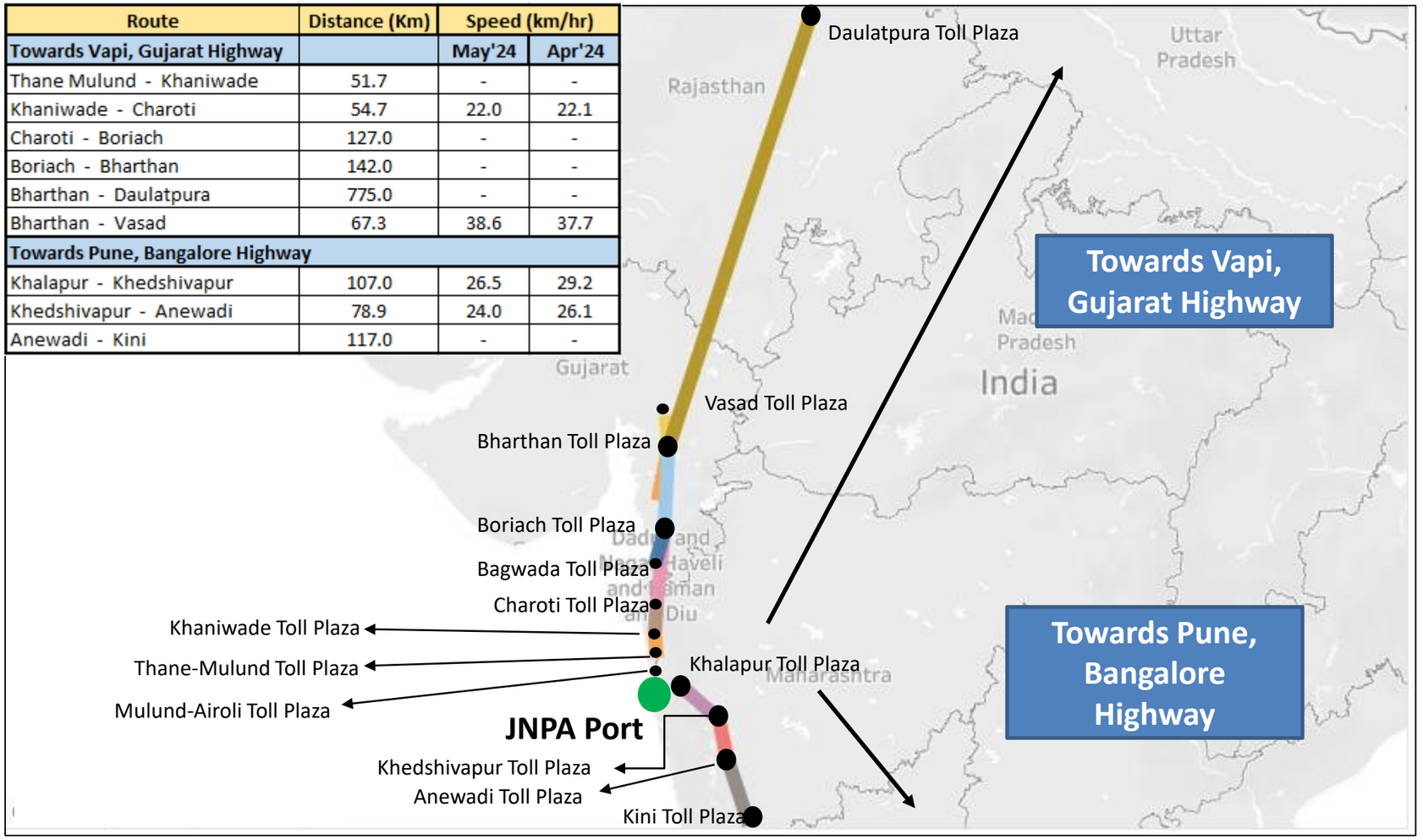
Western Corridor Toll Plaza Analysis

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



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

Route	Distance (Km)	Speed (km/hr)	
Towards Vapi, Gujarat Highway		**May'24**	**Apr'24**
Thane Mulund - Khaniwade	51.7	-	-
Khaniwade - Charoti	54.7	22.0	22.1
Charoti - Boriach	127.0	-	-
Boriach - Bharthan	142.0	-	-
Bharthan - Daulatpura	775.0	-	-
Bharthan - Vasad	67.3	38.6	37.7
Towards Pune, Bangalore Highway			
Khalapur - Khedshivapur	107.0	26.5	29.2
Khedshivapur - Anewadi	78.9	24.0	26.1
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	Apr'24 (in hrs)	May'24 (in hrs)
NSFT	98.1	105.7
NSICT	9.1	11.9
GTI	107.6	99.2
NSIGT	88.5	97.8
BMCT	97.6	107.4

Container Handled: Day wise (May'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%	7%	8%	14%	23%	35%
NSICT	59%	9%	8%	6%	8%	10%
GTI	6%	9%	17%	16%	21%	31%
NSIGT	0%	7%	13%	28%	24%	28%
BMCT	1%	11%	15%	16%	22%	35%

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	Apr'24 (in hrs)	May'24 (in hrs)
NSFT	70.4	78.0
NSICT	65.0	66.3
GTI	72.6	68.6
NSIGT	66.0	81.7
BMCT	69.7	65.6

Container Handled: Day wise (May'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	9%	14%	20%	23%	31%	3%
NSICT	8%	24%	25%	26%	13%	4%
GTI	4%	22%	27%	24%	21%	2%
NSIGT	4%	16%	21%	23%	29%	7%
BMCT	7%	23%	27%	21%	18%	4%

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

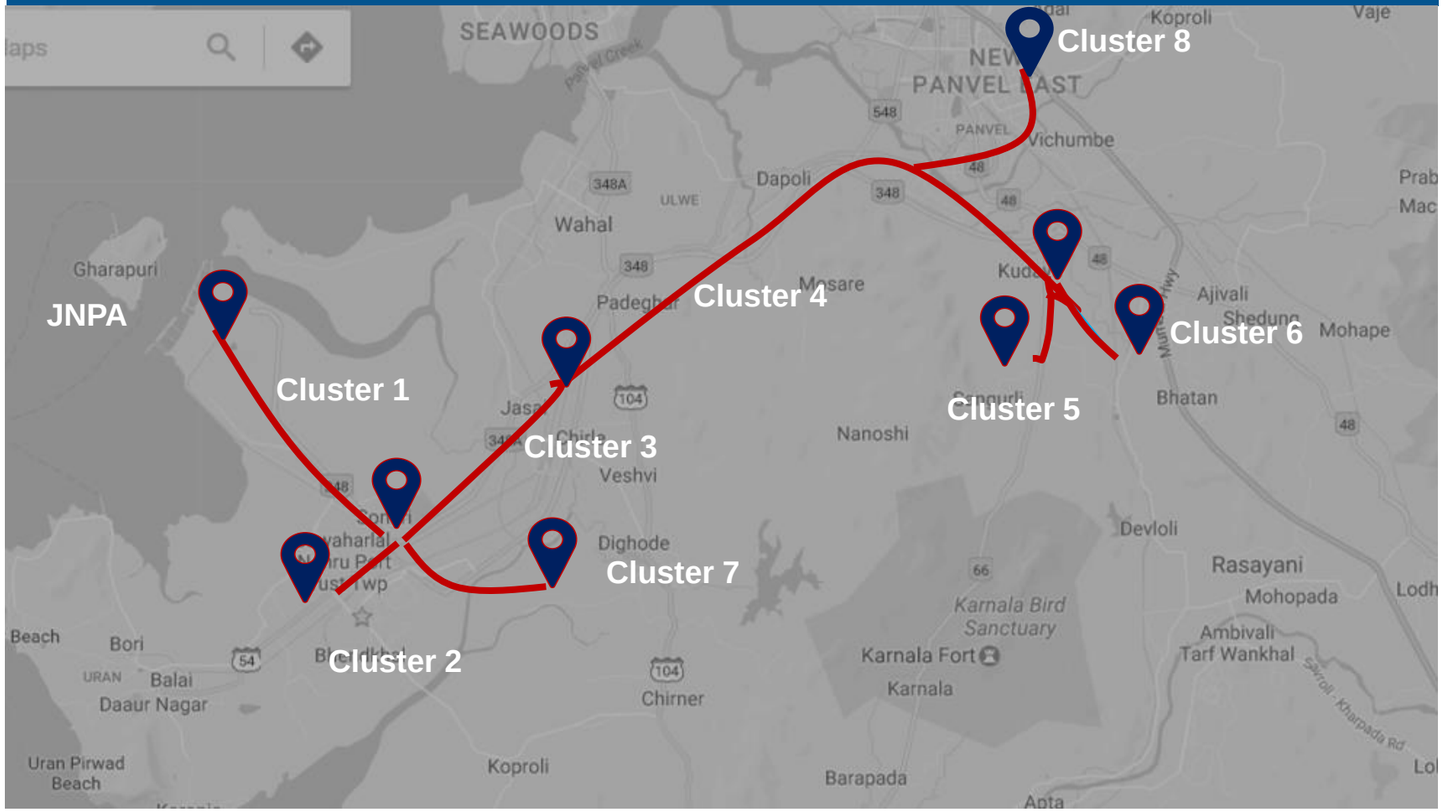
The below tables depict the detailed JNPA region port performance in the month of May'24

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	80.7	79.3	61.2	81.4
NSICT	65.2	62.4	58.3	50.4
GTI	75.4	69.0	63.0	78.9
NSIGT	88.5	79.0	69.6	88.7
BMCT	-	65.5	59.3	78.9

JNPA Region: Congestion Analysis (Export Cycle)

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

Export Cycle

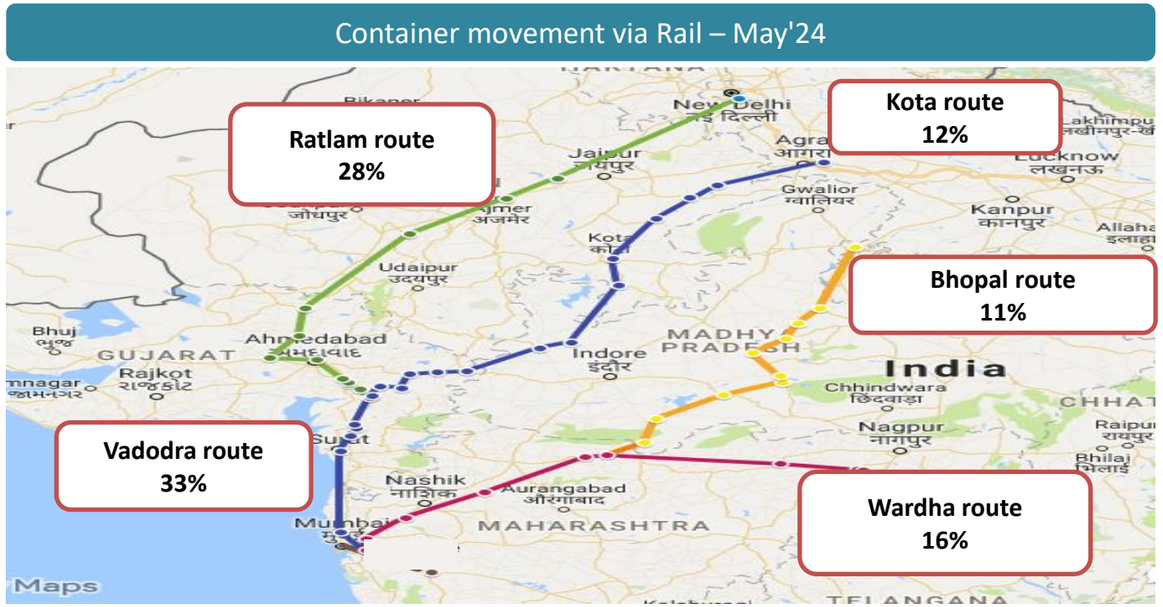


Cluster	Cluster Name	No. of CFS	% of Total Containers	Congestion
Cluster 1	JNPA Area	1	7.04%	High
Cluster 2	Bhendkhal Area, Khopate Road	6	15.50%	High
Cluster 3	Sonari Area,JNPA Road	2	11.34%	High
Cluster 4	Chirle Area, JNPA Road	1	4.92%	High
Cluster 5	Plaspa Area, Coach Kanyakumari Highway	2	12.23%	High
Cluster 6	Salva Apta Road Area, Bangalore Highway	5	36.58%	High
Cluster 7	Patilpada Area, Khopate JNPA Road	3	11.39%	High
Cluster 8	Taloja, Navi Mumbai	1	1.00%	High

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	33%
Ratlam Route	28%
Wardha Route	16%
Kota Route	12%
Bhopal Route	11%

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



CFS and ICD Performance

CFS Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

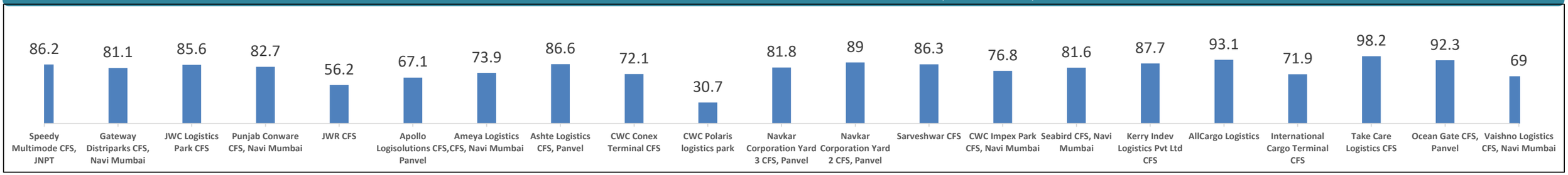
Below table and graphs show the dwell time of the respective CFSs for the month of May'24

CFS Dwell Time (in hrs.)

CFS	Apr'24 (in hrs)	May'24 (in hrs)
Speedy Multimode CFS, JNPT	71.4	86.2
Gateway Distriparks CFS, Navi Mumbai	79.6	81.1
JWC Logistics Park CFS	94.1	85.6
Punjab Conware CFS, Navi Mumbai	89.6	82.7
JWR CFS	67.4	56.2
Apollo Logisolutions CFS, Panvel	76.2	67.1
Ameya Logistics CFS, Navi Mumbai	85.9	73.9
Ashte Logistics CFS, Panvel	82.7	86.6
CWC Conex Terminal CFS	15.0	72.1
CWC Polaris logistics park	15.0	30.7
Navkar Corporation Yard 3 CFS, Panvel	88.4	81.8

CFS	Apr'24 (in hrs)	May'24 (in hrs)
Navkar Corporation Yard 2 CFS, Panvel	85.9	89.0
Sarveshwar CFS	87.7	86.3
CWC Impex Park CFS, Navi Mumbai	78.1	76.8
Seabird CFS, Navi Mumbai	82.5	81.6
Kerry Indev Logistics Pvt Ltd CFS	-	87.7
AllCargo Logistics	86.5	93.1
International Cargo Terminal CFS	85.9	71.9
Take Care Logistics CFS	103.2	98.2
Ocean Gate CFS, Panvel	99.1	92.3
Vaishno Logistics CFS, Navi Mumbai	68	69.0

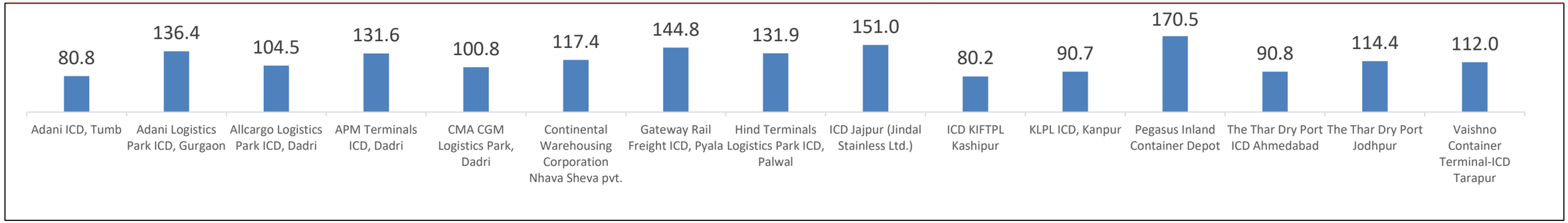
CFS – DWELL OVERVIEW – MAY'24 (IN HRS)



ICD Performance

ICD	Apr'24 (in hrs)	May'24 (in hrs)
Adani ICD, Tumb	124.2	80.8
Adani Logistics Park ICD, Gurgaon	154.1	136.4
Allcargo Logistics Park ICD, Dadri	123.2	104.5
APM Terminals ICD, Dadri	140.6	131.6
CMA CGM Logistics Park, Dadri	196.3	100.8
Continental Warehousing Corporation Nhava Sheva pvt.	133.1	117.4
Gateway Rail Freight ICD, Pyala	138.9	144.8
Hind Terminals Logistics Park ICD, Palwal	150.6	131.9
ICD Jajpur (Jindal Stainless Ltd.)	87.9	151.0
ICD KIFTPL Kashipur	144.9	80.2
KLPL ICD, Kanpur	111.1	90.7
Pegasus Inland Container Depot	110.9	170.5
The Thar Dry Port ICD Ahmedabad	160.3	90.8
The Thar Dry Port Jodhpur	147.7	114.4
Vaishno Container Terminal-ICD Tarapur	92.8	112.0

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

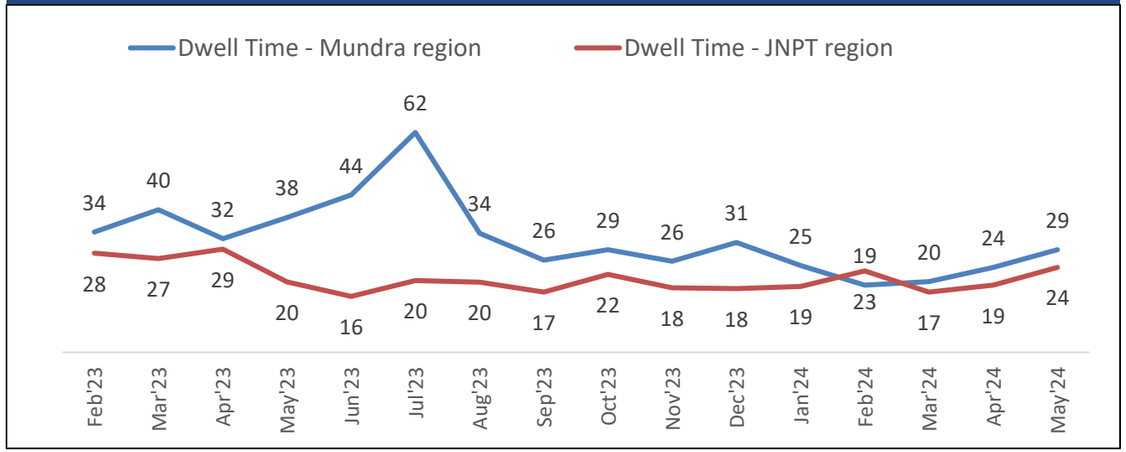


Trend Analysis

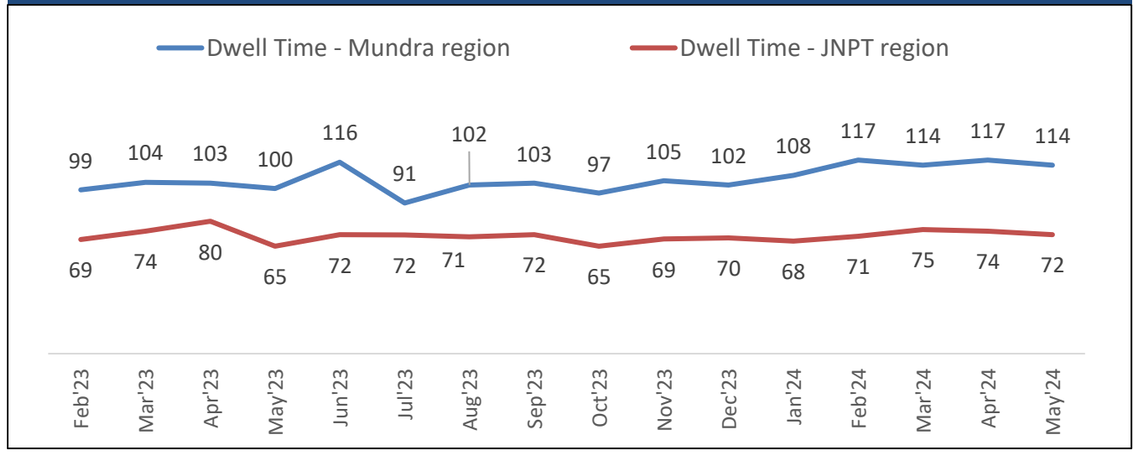
Western Corridor Port – Yearly Analysis

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

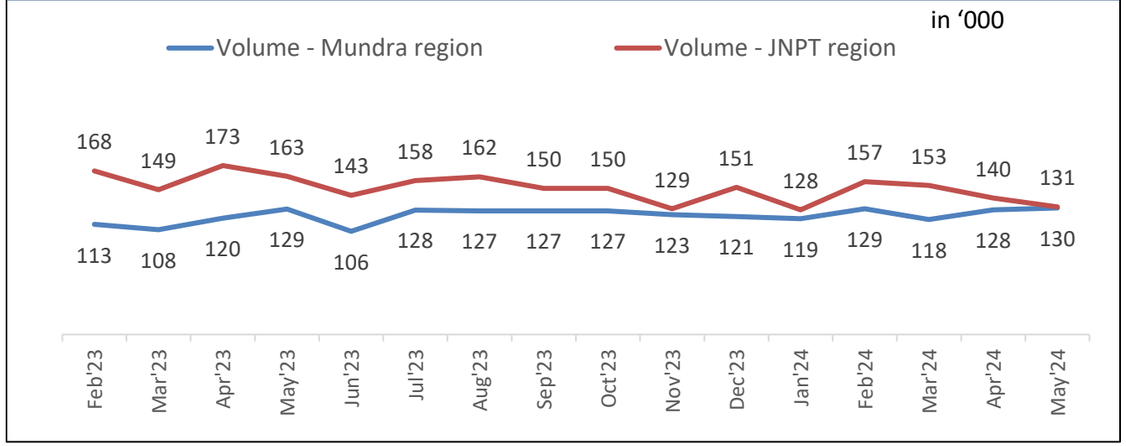
Dwell Time – Mundra Region Vs JNPA Region



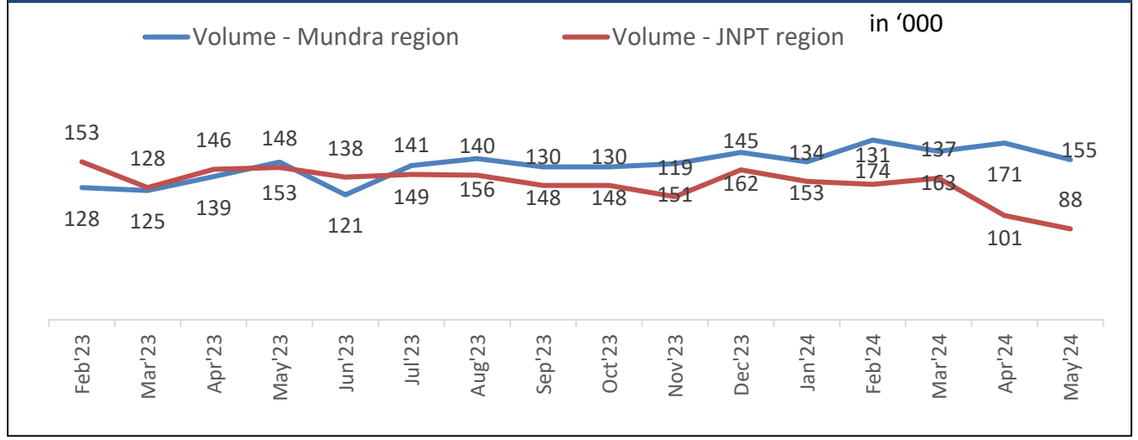
Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region



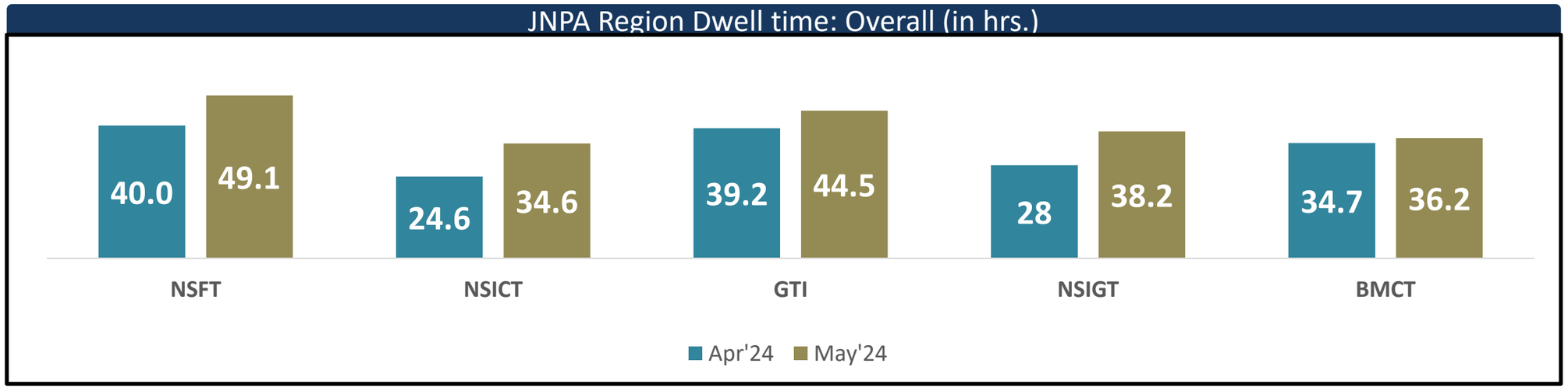
Volume – Mundra Region Vs JNPA Region



JNPA PORT DWELL TIME TREND: Month on Month

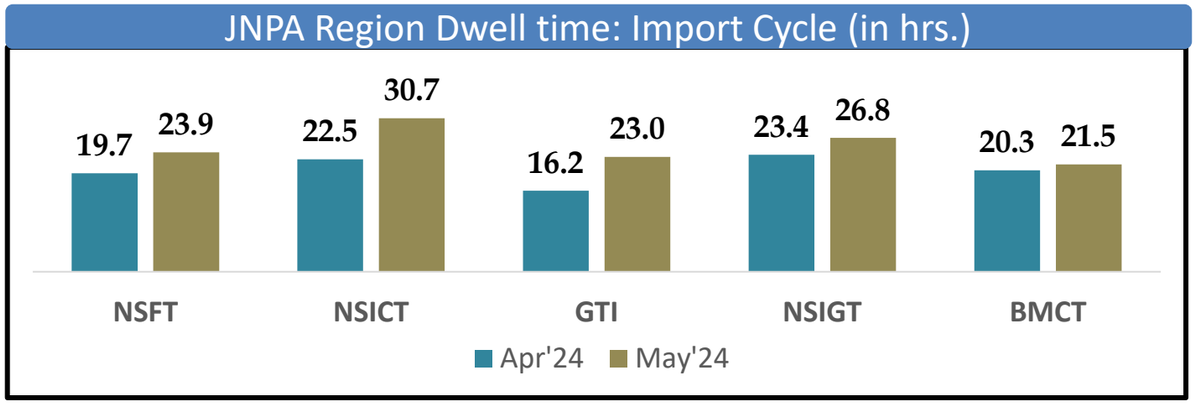
JNPA port dwell time trend :

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

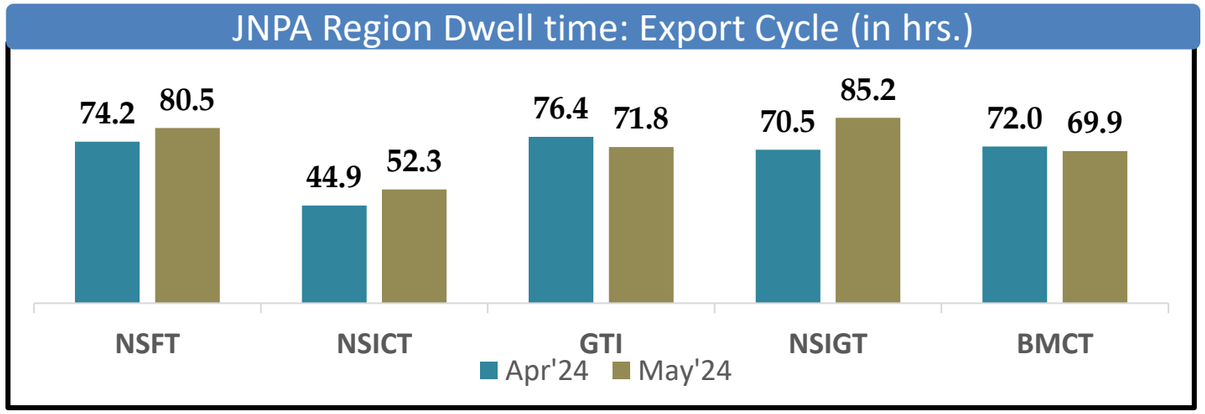


The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of May'24

JNPA Import cycle Trend



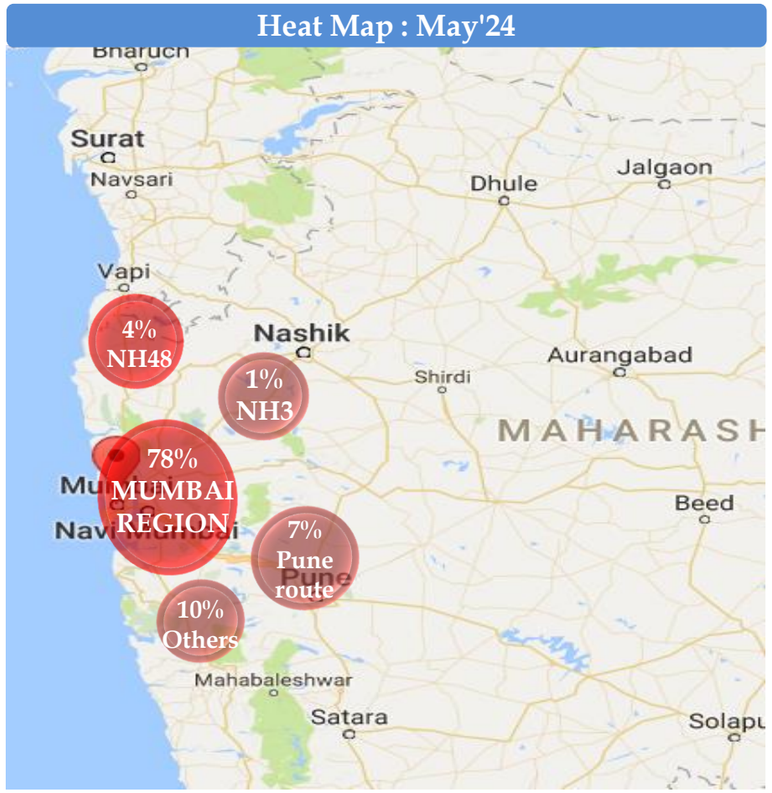
JNPA Export cycle Trend



ANNEXURE

Container movement around JNPA Port terminal region via Truck

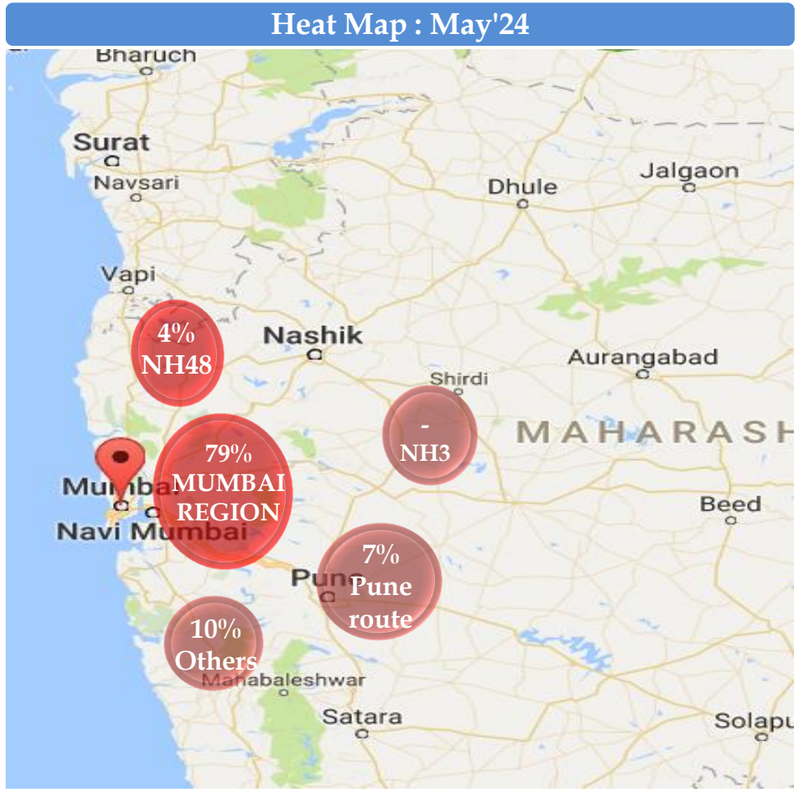
HEAT MAP : GTI Port Terminal



Region	Apr'24	May'24
Mumbai region	80%	78%
NH3	-	1%
Pune	6%	7%
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

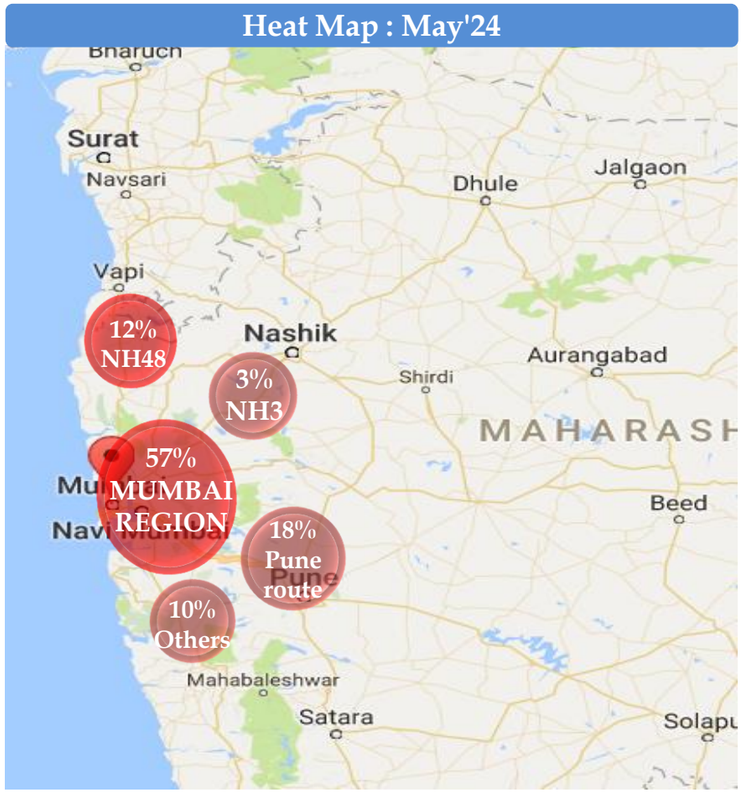


Region	Apr'24	May'24
Mumbai region	83%	79%
NH3	-	-
Pune	4%	7%
NH48	3%	4%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

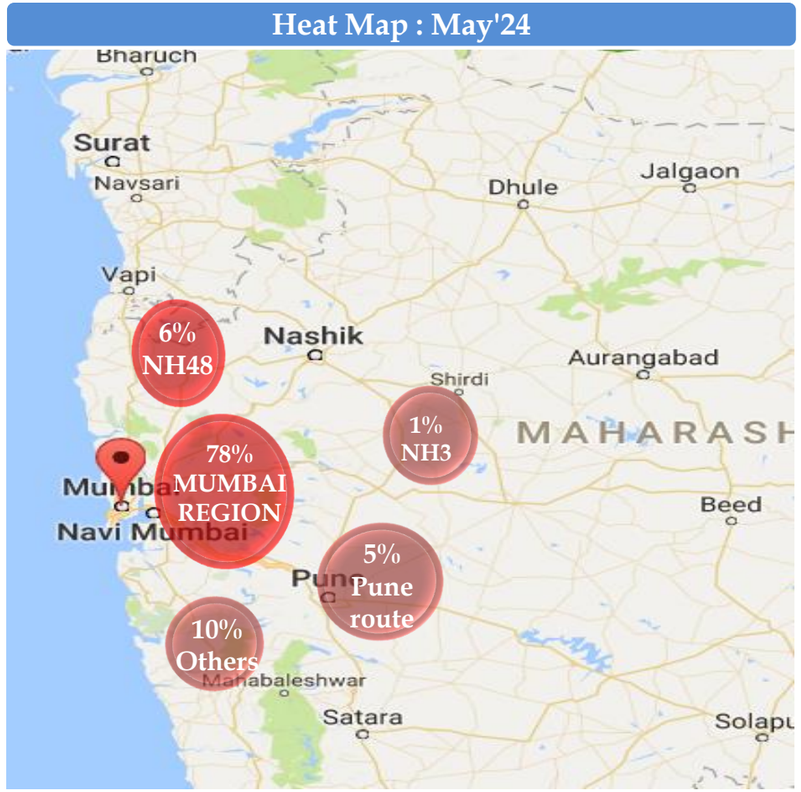
HEAT MAP : NSIGT Port Terminal



Region	Apr'24	May'24
Mumbai region	63%	57%
NH3	1%	3%
Pune	17%	18%
NH48	9%	12%
others	10%	10%

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

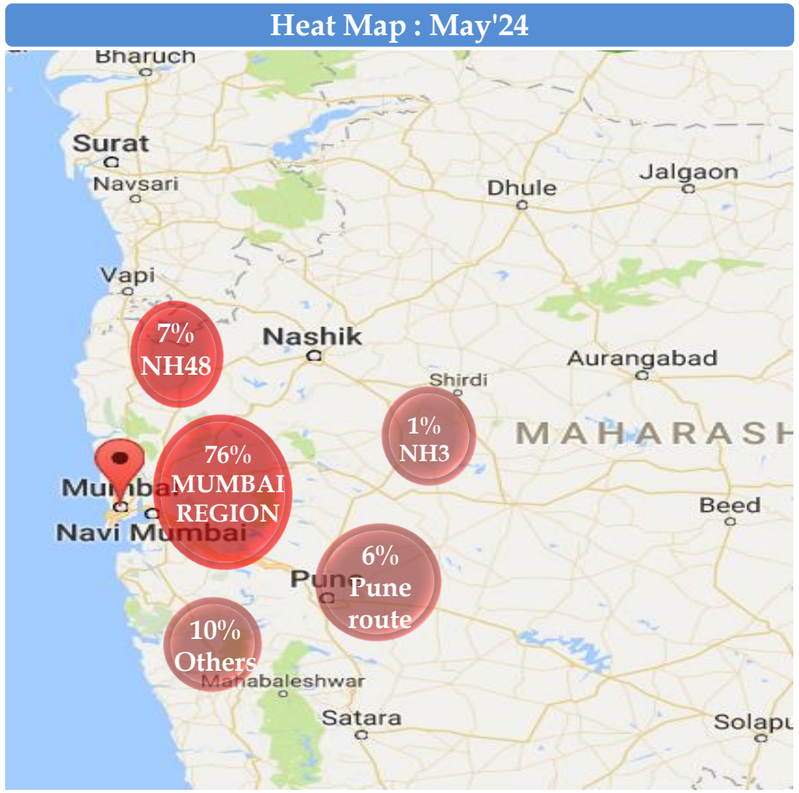
HEAT MAP : NSICT Port Terminal



Region	Apr'24	May'24
Mumbai region	77%	78%
NH3	-	1%
Pune	7%	5%
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	Apr'24	May'24
Mumbai region	82%	76%
NH3	1%	1%
Pune	4%	6%
NH48	3%	7%
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) – May'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	5.6	3.3	3.9	3.0	2.8
Ameya Logistics CFS, Navi Mumbai	2.5	2.8	3.2	2.7	2.3
APM (Maersk India) CFS, Navi Mumbai	2.0	2.7	2.3	14.5	1.9
Apollo Logisolutions CFS, Panvel	3.2	4.7	5.0	6.6	3.9
Ashte Logistics CFS, Panvel	2.5	2.7	3.1	3.3	2.4
Balmer & Lawrie CFS, Navi Mumbai	1.9	2.7	2.8	2.7	1.9
Batco Integrated Logistics Pvt Ltd	-	-	-	36.9	-
CFS AMBAD, NASHIK	-	37.9	39.7	-	26.8
CWC CFS, Mundra	-	7.4	-	-	-
CWC Conex Terminal CFS	1.8	2.0	4.3	2.5	2.0
CWC Impex Park CFS, Navi Mumbai	5.2	2.9	4.1	3.1	2.3
CWC Polaris logistics park	2.0	2.3	2.6	2.0	1.9
EFC Logistics India	3.3	2.3	8.1	2.4	2.1
Gateway Distriparks CFS, Navi Mumbai	4.0	3.0	3.9	3.0	2.6
International Cargo Terminal CFS	1.9	2.2	2.8	2.1	2.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6	2.1	4.9	2.2	1.7
JWC Logistics Park CFS	2.1	3.2	3.0	2.8	2.4
JWR CFS	10.9	2.3	15.3	17.1	8.7
Kerry Indev Logistics Pvt Ltd CFS	3.5	3.9	4.5	3.3	3.3
Maersk Annex (APM)CFS, Navi Mumbai	2.7	2.3	2.8	3.2	2.1
Maharashtra State Corp CFS	1.8	2.1	15.9	5.3	2.4
Navkar Corporation Yard 1 CFS, Panvel	4.1	2.8	4.3	2.9	2.5
Navkar Corporation Yard 2 CFS, Panvel	5.1	3.0	3.6	3.2	2.9
Navkar Corporation Yard 3 CFS, Panvel	7.6	2.9	3.4	3.0	2.5
Ocean Gate CFS, Panvel	2.3	3.3	4.8	2.9	2.8
Punjab Conware CFS, Navi Mumbai	1.6	2.5	2.4	2.9	1.9
Sarveshwar CFS	2.5	2.4	3.5	2.4	1.9
SBW Logistics CFS, Navi Mumbai	10.6	4.8	4.9	5.8	5.1
Seabird CFS, Navi Mumbai	7.5	2.8	3.0	2.3	2.3
Speedy Multimode CFS, JNPT	1.6	2.0	3.0	3.3	1.7
Take Care Logistics CFS	3.2	2.7	2.7	3.0	2.5
Transworld terminals CFS	2.2	1.9	2.1	1.4	1.6
Vaishno Logistics CFS, Navi Mumbai	4.0	3.1	4.1	11.5	2.0

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

CFS Out – Port In (Export Cycle) – May'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	1.9	5.9	4.2	2.9	4.3
Ameya Logistics CFS, Navi Mumbai	1.8	6.9	5.4	3.3	3.7
APM (Maersk India) CFS, Navi Mumbai	1.7	5.2	3.8	1.7	5.6
Apollo Logisolutions CFS, Panvel	2.5	3.5	7.0	3.9	5.9
Ashte Logistics CFS, Panvel	2.6	4.1	5.3	2.9	5.7
Batco Integrated Logistics Pvt Ltd	36.7	23.8	39.7	34.9	36.9
Central Warehousing Corporation	42.4	15.5	-	42.9	-
CFS AMBAD, NASHIK	16.1	-	15.0	-	41.8
CWC CFS KUKATPALLY	35.4	33.9	41.5	33.6	34.1
CWC Conex Terminal CFS	2.0	3.9	5.1	3.5	4.0
CWC Hind Terminal CFS, Navi Mumbai	1.8	5.1	5.5	3.2	4.8
CWC Impex Park CFS, Navi Mumbai	1.2	4.0	4.9	3.8	5.6
CWC Polaris logistics park	12.1	30.4	23.9	13.0	13.3
EFC Logistics India	-	27.9	-	3.2	5.3
Gateway Distriparks CFS, Navi Mumbai	1.9	6.8	5.6	3.0	4.1
HAL CFS	41.9	-	42.6	45.0	-
International Cargo Terminal CFS	2.1	6.4	4.5	2.9	3.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.4	3.0	3.9	2.4	2.9
JWC Logistics Park CFS	2.0	8.3	4.9	3.4	4.5
JWR CFS	3.8	5.5	4.9	3.4	5.1
Kerry Indev Logistics Pvt Ltd CFS	2.4	5.8	3.6	3.0	4.2
Maersk Annex (APM)CFS, Navi Mumbai	-	6.8	4.5	3.3	2.8
Maharashtra State Corp CFS	2.0	3.5	4.8	3.0	3.0
Navkar Corporation Yard 2 CFS, Panvel	4.4	5.8	6.0	3.3	5.9
Navkar Corporation Yard 3 CFS, Panvel	2.3	5.6	5.0	2.2	5.0
Ocean Gate CFS, Panvel	3.5	4.2	5.2	2.9	5.4
Punjab Conware CFS, Navi Mumbai	1.6	5.2	5.5	3.2	4.1
Sarveshwar CFS	4.6	6.9	4.8	4.5	5.1
SBW Logistics CFS, Navi Mumbai	11.8	13.8	9.3	17.6	9.8
Seabird CFS, Navi Mumbai	2.2	3.5	3.9	2.8	4.5
Speedy Multimode CFS, JNPT	1.7	5.2	4.3	2.6	3.7
Take Care Logistics CFS	2.3	17.6	4.7	6.4	5.2
Transworld terminals CFS	1.7	3.9	3.0	2.4	3.0
Vaishno Logistics CFS, Navi Mumbai	2.7	7.4	5.5	3.7	4.9

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 GTI and NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of May'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	5.2
Cluster 2	6	13	2.8	5.9
Cluster 3	6	11	2.7	4.9
Cluster 4	1	13	3.1	7.3
Cluster 5	2	25	3.3	6.7
Cluster 6	6	25	3.3	5.1
Cluster 7	4	12	3.1	6.1
Cluster 8	1	34	4.8	13.8

CFS Cluster : NSFT Terminal

NSFT terminal for month of May'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	1.7	1.8
Cluster 2	6	13	2.3	1.8
Cluster 3	6	11	1.8	1.9
Cluster 4	1	13	4.0	2.9
Cluster 5	2	25	2.2	2.2
Cluster 6	6	25	3.0	2.5
Cluster 7	4	12	3.0	1.9
Cluster 8	1	34	10.5	11.8

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 May'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	3.3	4.4
Cluster 2	6	13	3.5	4.8
Cluster 3	6	11	3.4	4.9
Cluster 4	1	13	4.5	5.5
Cluster 5	2	25	3.5	5.1
Cluster 6	6	25	4.0	5.1
Cluster 7	4	12	3.5	4.9
Cluster 8	1	34	4.9	9.3

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of May'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	4.1	2.6
Cluster 2	6	13	2.7	3.0
Cluster 3	6	11	2.9	3.1
Cluster 4	1	13	11.5	3.7
Cluster 5	2	25	2.9	3.2
Cluster 6	6	25	3.5	3.0
Cluster 7	4	12	2.8	3.2
Cluster 8	1	34	5.9	17.6

CFS Cluster : BMCT Terminal

BMCT terminal for month of May'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	3.9
Cluster 2	6	13	2.2	4.2
Cluster 3	6	11	2.2	4.1
Cluster 4	1	13	2.0	4.9
Cluster 5	2	25	2.6	4.7
Cluster 6	6	25	2.8	5.3
Cluster 7	4	12	2.5	3.9
Cluster 8	1	34	5.1	9.8

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 May'24

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Nagpur	33.0	139.0	29.8	28.3	46.3	46.0
Ankaleshwar	21.9	51.4	19.0	-	-	22.7
Indore	35.8	-	44.2	57.2	106.1	56.7
Boisar	37.0	-	81.6	-	75.6	73.7
Kanpur	65.2	34.7	50.6	169.3	75.4	50.9
Sanatnagar	31.0	-	26.6	38.4	-	26.9
Thimmapur	-	-	180.8	18.5	98.1	156.9
Dadri	35.7	-	120.4	161.3	90.3	99.4
Navi Mumbai	55.2	20.5	12.1	34.7	-	20.9
Daulatabad	63.9	139.5	80.6	-	95.9	90.7
Sanathnagar	-	34.2	15.5	-	-	30.8
Bangalore	-	33.3	73.5	-	-	73.5
Khodiyar	86.9	77.1	116.7	149.9	-	86.9
Tughlakabad	46.3	38.0	78.6	-	109.6	74.0
Moradabad	137.4	27.4	20.3	117.4	-	24.1
Faridabad	106.1	13.3	-	-	15.8	15.7
Mandideep	43.5	-	-	43.3	83.2	82.6

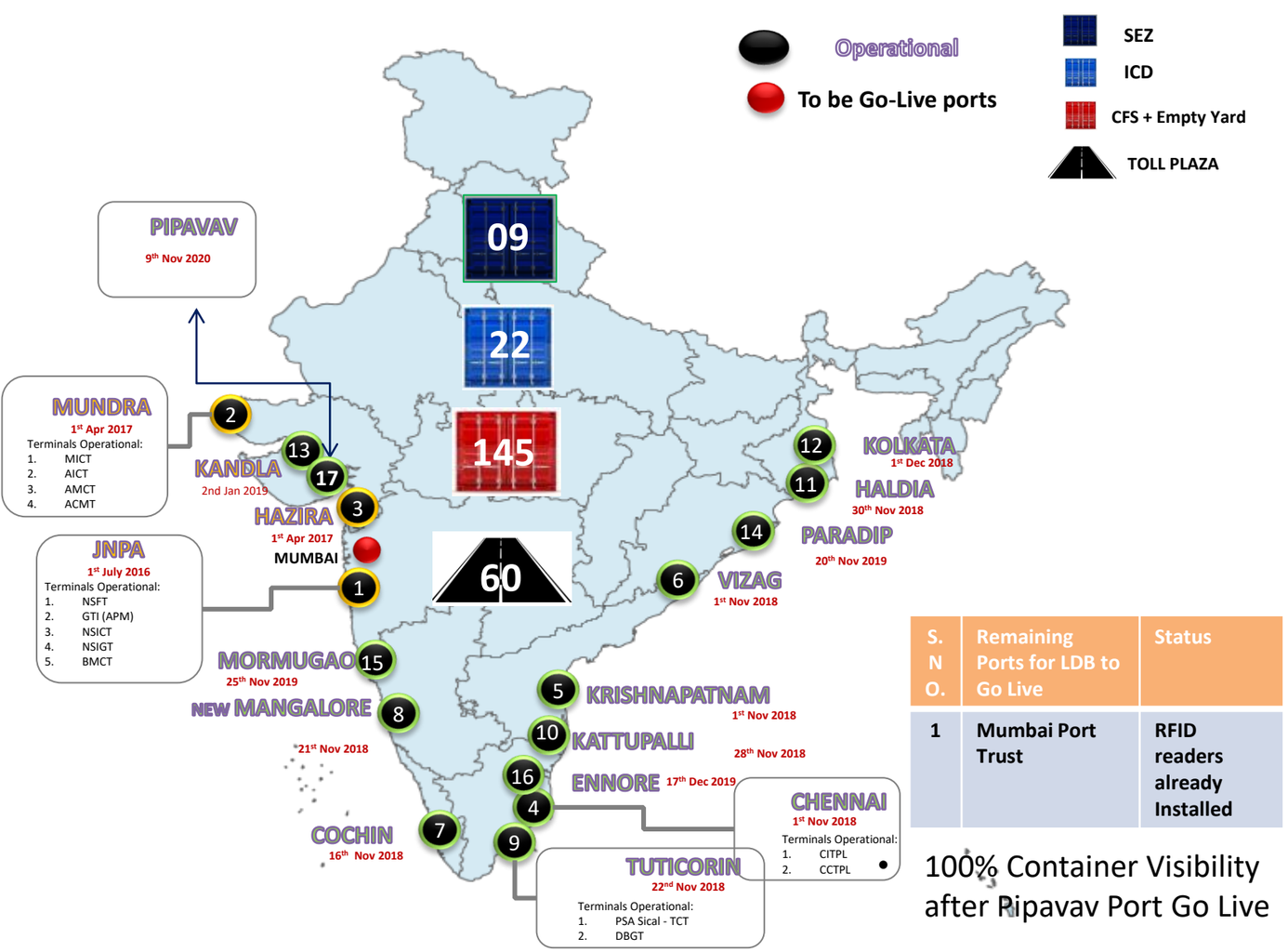
JNPA Region : Destination-wise Dwell Time – Import

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 May'24

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Gateway Distriparks CFS, Navi Mumbai	27.7	31.0	22.0	23.7	34.1	27.6
TG Terminals	23.7	-	28.3	23.7	34.7	27.8
Navkar Corporation	20.2	17.4	26.5	22.4	20.7	20.2
JWC Logistics Park CFS	21.4	18.9	39.1	20.0	20.3	21.4
Continental Warehousing CFS, Navi Mumbai	16.2	19.9	18.5	22.7	25.9	19.6
Balmer & Lawrie CFS, Navi Mumbai	17.8	29.6	18.8	33.7	28.2	22.6
EFC Logistics	22.3	20.4	16.1	26.5	21.6	20.6
APM (Maersk India) CFS, Navi Mumbai	20.0	16.9	15.4	13.2	38.2	25.8
Take Care Logistics	14.3	11.9	10.1	15.5	27.5	13.3
Apollo Logisolutions CFS, Panvel	36.7	34.2	64.1	53.3	53.1	39.6
Dronagiri Rail Terminal CFS, Navi Mumbai	25.2	31.9	39.0	17.7	-	32.9
Kerry Indev Logistics Pvt Ltd CFS	28.0	16.1	18.6	27.4	31.4	21.0
Ameya Logistics CFS, Navi Mumbai	17.1	-	18.4	20.0	21.4	19.1
Seabird CFS, Navi Mumbai	18.3	-	17.7	17.8	28.2	20.2
CWC Impex Park	21.3	19.2	48.6	36.4	40.8	31.2
Maharashtra State Corp CFS	14.3	20.5	11.7	24.4	15.3	18.9
Vaishno Logistics CFS, Navi Mumbai	12.8	11.5	10.0	7.8	24.4	18.1
Ocean Gate CFS, Panvel	18.1	16.3	11.6	23.2	19.4	16.6
Ashte Logistics CFS, Panvel	14.1	17.1	-	20.3	22.7	18.5
Sarveshwar Logistics	13.5	13.5	-	21.9	18.0	15.1
AllCargo Logistics	16.9	-	-	21.5	48.6	31.5
Speedy Multimode CFS, JNPT	18.2	-	-	30.8	29.5	27.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	28.4	26.4	27.3

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 71+ million EXIM containers covered till date.(2024.06.06)

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

List of ICD names used in the ICD Performance Index

Ref. no.	Name	Ref. no.	Name
1	Adani ICD, Tumb	22	APM Terminals ICD, Dadri
2	Hind Terminals Logistics Park ICD, Palwal	23	MMLP MIHAN
3	The Thar Dry Port ICD Ahmedabad	24	ICD Pali (KIPL)
4	KLPL ICD, Kanpur	25	Pegasus Inland Container Depot
5	ICD SANATHNAGAR	26	ICD BGKT, JODHPUR
6	Continental Warehousing Corporation Nhava Sheva pvt.	27	ICD ANKLESHWAR
7	Albatross Inland Ports ICD, Dadri	28	ICD MANDIDEEP
8	ICD KHODIYAR	29	MMLP PANTHNAGAR (SIDCUL-CONCOR)
9	Pristine ICD Chawapail , Ludhiana	30	MMLP TIHI
10	Vaishno Container Terminal-ICD Tarapur	31	Gateway Rail ICD, Sahnewal
11	CONCOR ICD, Dadri	32	MMLP BARHI
12	Gateway Rail Freight ICD, Pyala	33	MMLP KHATUWAS
13	Kribhco ICD, Meerut	34	Adani Logistics Park ICD, Gurgaon
14	The Thar Dry Port Jodhpur		
15	Allcargo Logistics Park ICD, Dadri		
16	ICD DDL, LUDHIANA		
17	ICD WHITEFIELD		
18	CMA CGM Logistics Park, Dadri		
19	CONCOR Kanakpura ICD, Jaipur		
20	ICD Jajpur (Jindal Stainless Ltd.)		
21	ICD KIFTPL Kashipur		

Annexure – Congestion Analysis & Methodology

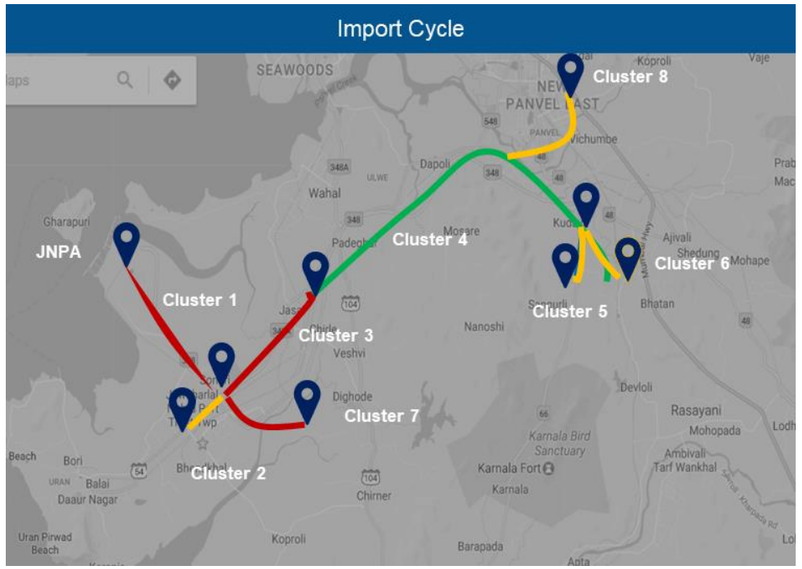
Methodology

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