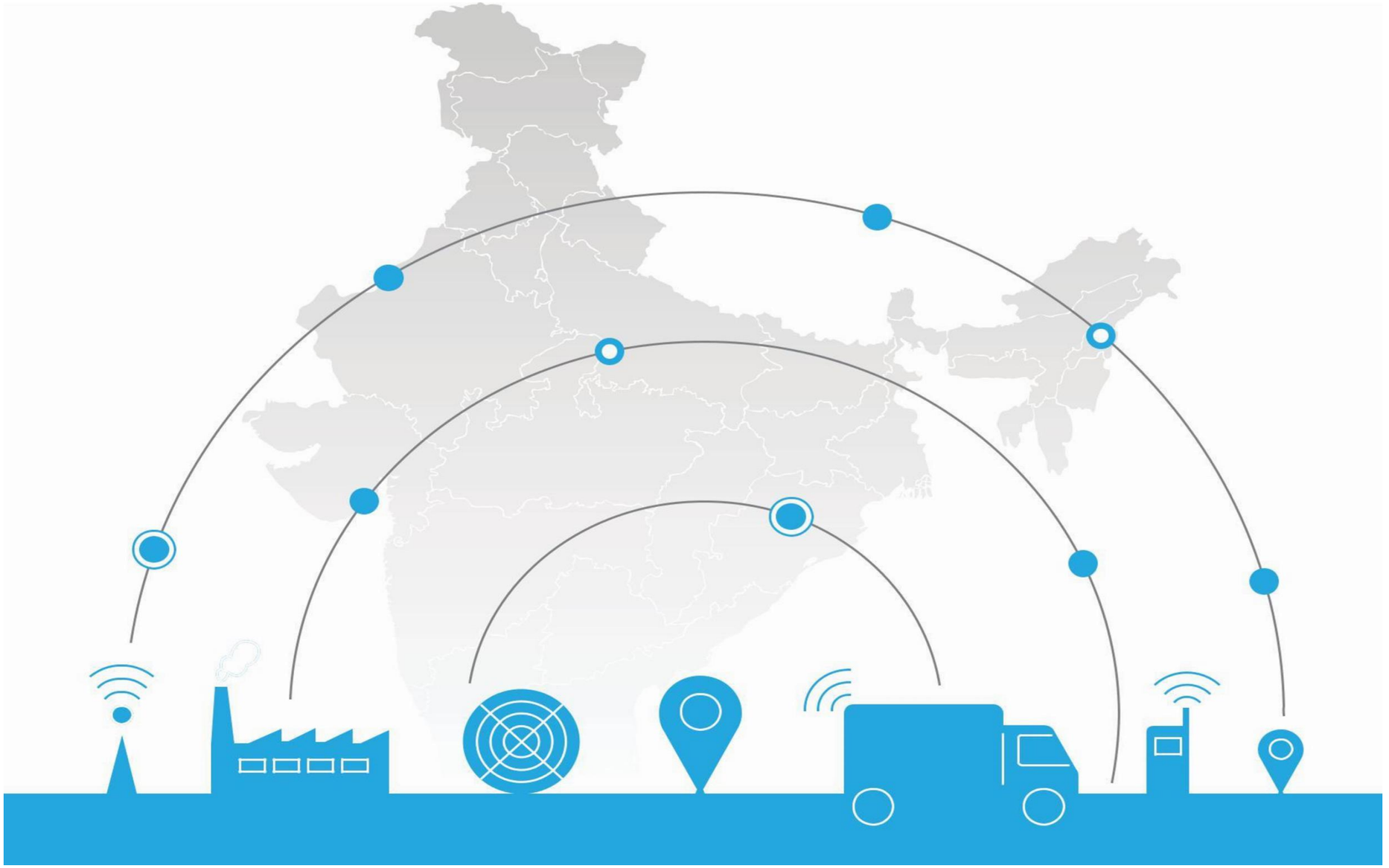
Logistics Databank Analytics Report - JNPA – Jun 2023



Executive Summary

Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	May'23 (in hrs)	Jun'23 (in hrs)
NSFT	22.7	19.3
NSICT	22.7	16.5
GTI	15.0	13.0
NSIGT	22.0	17.0
BMCT	19.9	16.2

Export Cycle		
Port	May'23 (in hrs)	Jun'23 (in hrs)
NSFT	59.1	73.9
NSICT	55.8	58.5
GTI	66.5	73.9
NSIGT	78.9	86.0
BMCT	63.4	69.9

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance in Import Cycle has improved and Export Cycle has deteriorated from the previous month.
- Overall container handling performance at CFS and ICD has improved from the previous month.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time	ICD
Jun'23	15.8 hrs ↑ 20.6%	71.9 hrs ↓ 10.6%	75.5 hrs ↑ 11.6%	125.6 hrs ↑ 3.4%
May'23	19.9 hrs	65.0 hrs	85.4 hrs	130.0 hrs

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall	27.3	24.0
Truck	23.2	20.5
Train	62.4	52.0

EXPORT

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall	81.3	88.3
Truck	76.8	83.2
Train	108.6	123.5

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	May'23 (in hrs)	Jun'23 (in hrs)
CFS	88.3	81.7
ICD	130.0	125.6

The marked entries showcase increase in performance in comparison to May'23

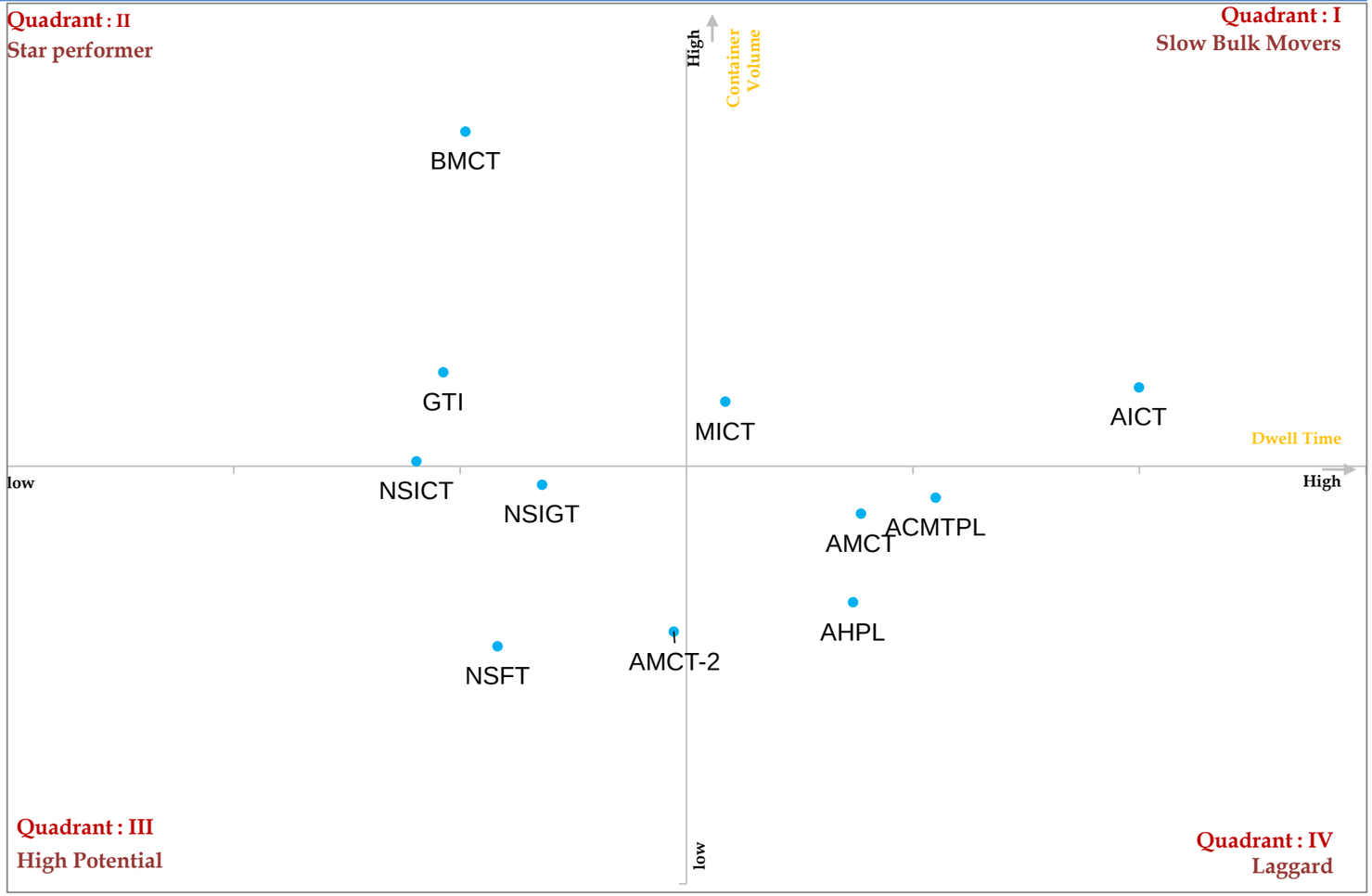
The marked entries showcase Decrease in performance in comparison to May'23

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 – Jun'23



Performance benchmarking for Port Terminals covered under LDB project for Jun'23

Top Performing Terminal

Bharat Mumbai Container Terminals (PSA)	
May'23	Jun'23
53.1 hrs	37.6 hrs

Low Performing Terminal

Adani Hazira Port Private Limited (AHPPL)	
May'23	Jun'23
76.6 hrs	78.0 hrs

Note: The performance benchmarking is based on performance index

The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to May'23

Performance Index- Summary

In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer: consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time

High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

Container Transportation- JNPA Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall	19.9	15.8
Truck	17.2	13.8
Train	51.0	38.4

EXPORT

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall	65.0	71.9
Truck	62.8	69.8
Train	81.3	88.5

Transit Time

Towards ICD

Station

Transit Cycle	May'23 (in hrs)	Jun'23 (in hrs)
Port to ICD	91.1	107.0
Port to CFS	2.56	2.35

Towards CFS

From ICD

Station

Transit Cycle	May'23 (in hrs)	Jun'23 (in hrs)
ICD to Port	109.6	112.2
CFS to Port	4.21	4.18

From CFS

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

ICD

CFS

Entity	May'23 (in hrs)	Jun'23 (in hrs)
CFS	85.4	75.5
ICD	130.0	125.6

Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	82%	18%
Export	80%	20%

The marked entries showcase the increase in performance as compared to May'23

The marked entries showcase the decrease in performance as compared to May'23

Container Lifecycle (Export Cycle)

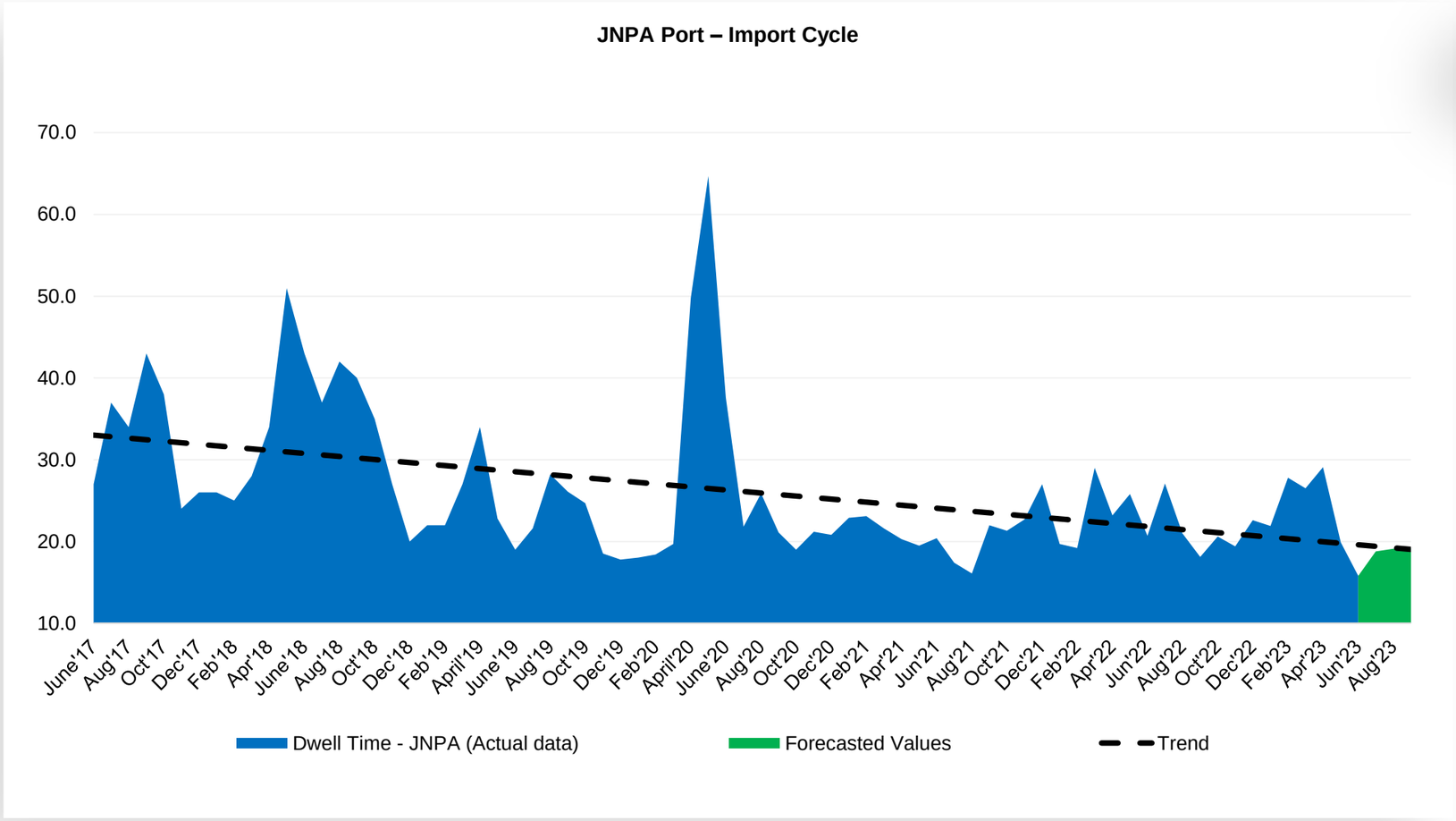
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Jun'23 – in hrs)			Compared to May'23
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	15.8	20.6% ↑
	Port Dwell Time for Truck Bound Containers	13.8	19.8% ↑
	Port Dwell time for Train Bound Containers	38.4	24.7% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	25.7	21.4% ↑
	Port Dwell time Containers bound for CFS	12.8	21.5% ↑
	Port Dwell for Empty Containers	21.6	15.3% ↑
	Port Dwell for Laden Containers	15.3	20.3% ↑
TRANSIT TIME	Port to ICD	107.0	17.5% ↓
	Port to CFS	2.35	8.2% ↑

EXPORT CYCLE DWELL TIME (Jun'23– in hrs)			Compared to May'23
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	71.9	10.6% ↓
	Port Dwell Time for Truck Bound Containers	69.8	11.1% ↓
	Port Dwell time for Train Bound Containers	88.5	8.9% ↓
	Port Dwell time Direct Port Entry (DPE) containers	71.7	11.7% ↓
	Port Dwell time Containers bound from CFS	75.0	14.9% ↓
	Port Dwell for Empty Containers	64.9	20.4% ↓
	Port Dwell for Laden Containers	74.5	8.1% ↓
TRANSIT TIME	ICD to Port	112.2	2.4% ↓
	CFS to Port	4.18	0.7% ↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to May'23

Container Transportation- JNPA Port Terminals



Observation

Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data it is expected to reach a local maxima in Sep'23.

Predicted Dwell Time (in hrs)

Jul'22	Aug'23	Sep'23
18.8	**19.1**	**19.2**

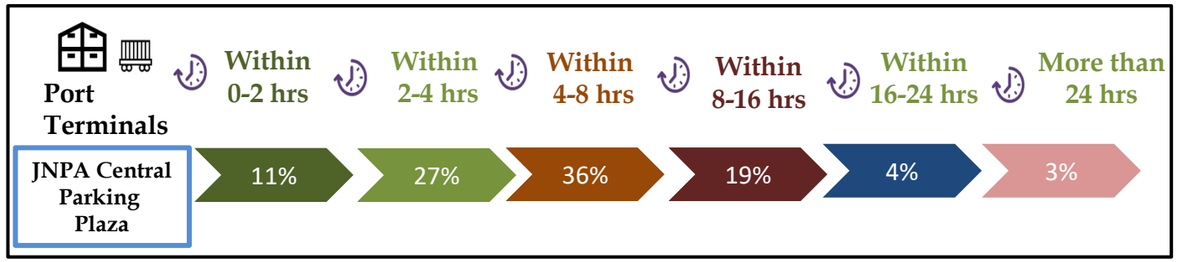
JNPA Region: Parking Plaza Dwell Time Analysis

The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle

Parking Plaza Gate In – Gate Out

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall Parking Plaza	5.09	5.10

Container Handled: Day wise (Jun'23)

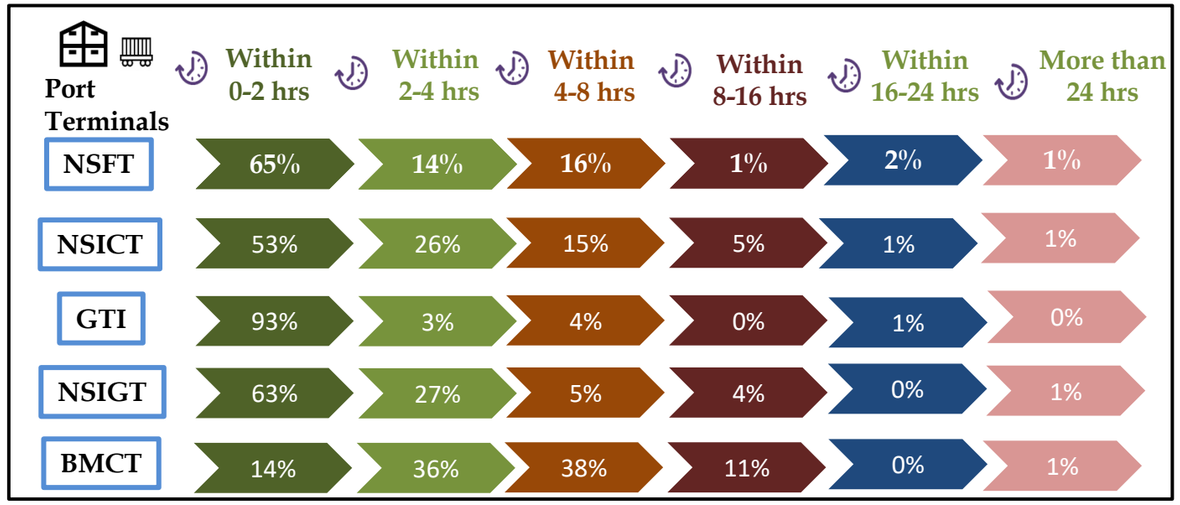


Parking Plaza Gate Out – Terminal In

Mode	May'23 (in hrs)	Jun'23 (in hrs)
Overall Parking Plaza to JNPA Port	2.33	2.18

Port	May'23 (in hrs)	Jun'23 (in hrs)
NSFT	2.0	1.5
NSICT	3.3	1.8
GTI	0.5	0.5
NSIGT	1.3	1.3
BMCT	3.7	4.0

Container Handled: Day wise (Jun'23)



CFS/ICD Performance Benchmarking & Performance Index - Western Corridor

Performance Benchmarking

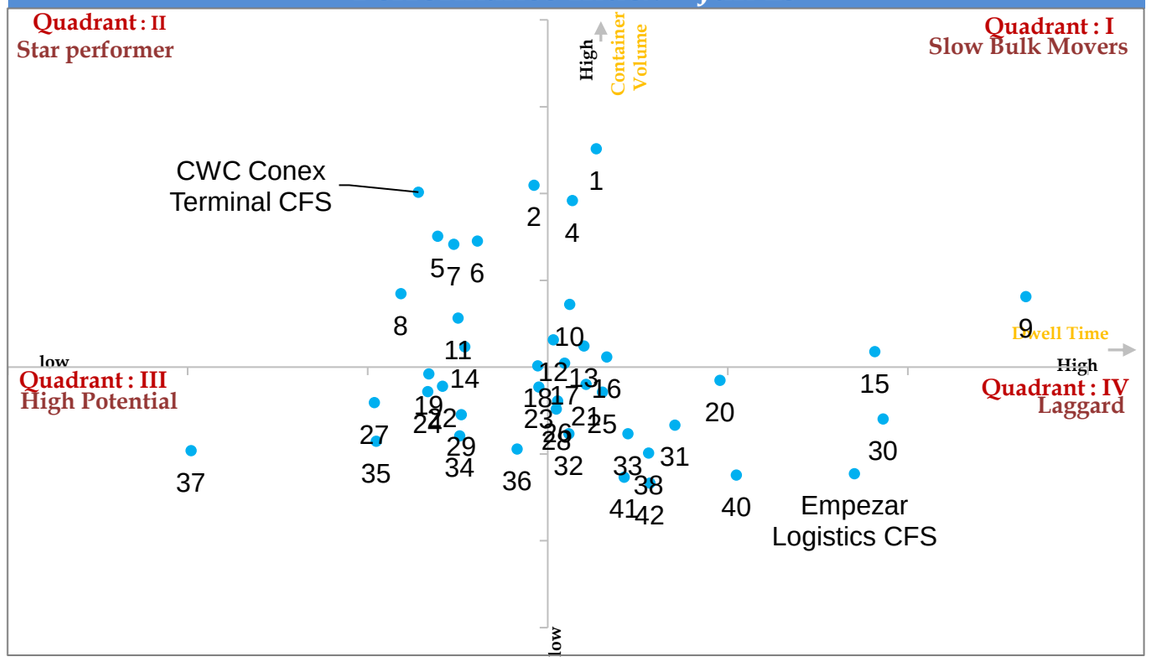
CFS

Top Performing CFS	
CWC Conex Terminal CFS	
May'23	Jun'23 ↑
79.8 hrs	70.5 hrs

Low Performing CFS	
Empezar Logistics CFS	
May'23	Jun'23 ↓
75.8 hrs	110.0 hrs

Note: The performance benchmarking is based on performance index
↑↓ The arrows depict increase/decrease in overall performance of the stakeholders as compared to Jul'22

Performance Index – Jun'23



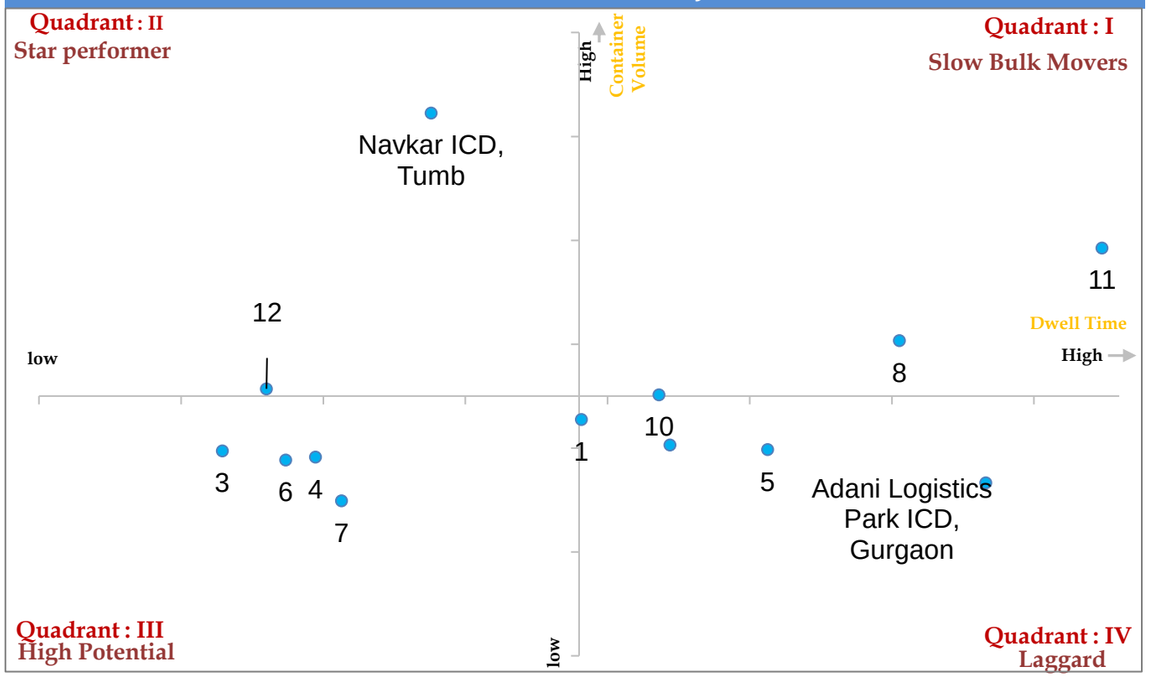
Kindly refer to Annexure section for the names of CFS

ICD

Top Performing ICD	
Navkar ICD, Tumb	
May'23	Jun'23 ↑
144.5 hrs	113.5 hrs

Low Performing ICD	
Adani Logistics Park ICD, Gurgaon	
May'23	Jun'23 ↓
139.4 hrs	158.2 hrs

Performance Index – Jun'23



Import Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

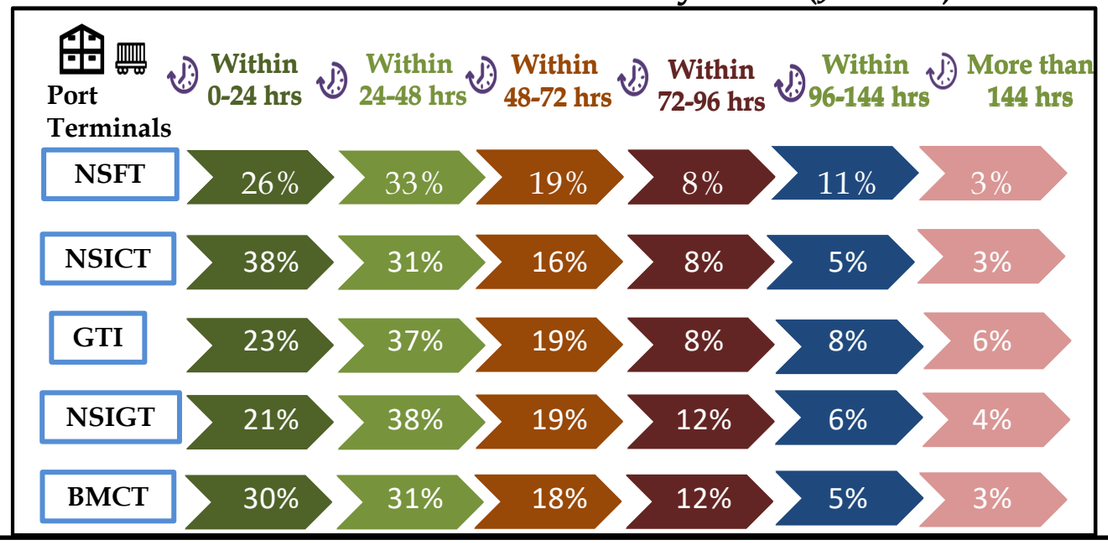
The below tables depict the port dwell time performance at JNPA port for truck and train bound containers in import cycle

PORT IMPORT via TRAIN
(18% of total import volume at JNPA Port)

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'23 (in hrs)	Jun'23 (in hrs)
NSFT	43.3	40.7
NSICT	42.8	28.8
GTI	52.4	41.8
NSIGT	55.1	40.7
BMCT	52.5	36.6

Container Handled: Day wise (Jun'23)

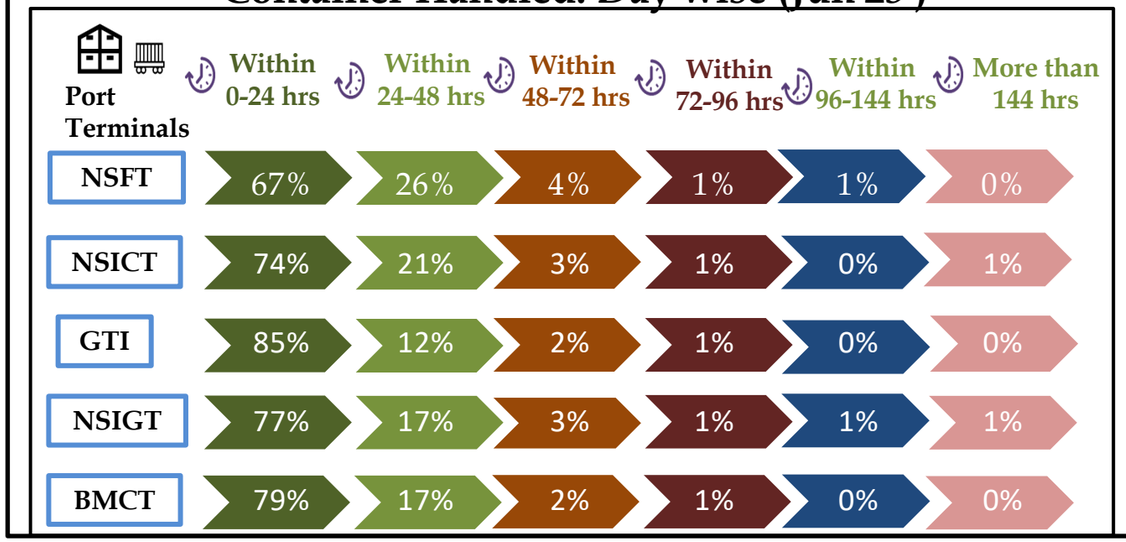


PORT IMPORT via TRUCK
(82% of total import volume at JNPA Port)

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'23 (in hrs)	Jun'23 (in hrs)
NSFT	21.2	18.2
NSICT	21.0	15.1
GTI	12.9	11.2
NSIGT	18.9	14.5
BMCT	16.7	14.2

Container Handled: Day wise (Jun'23)



JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jun'23

NSFT

Port Dwell time based on transit type

May'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	45.0 hrs	16.2 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	19.1 hrs	19.9 hrs

GTI

Port Dwell time based on transit type

May'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.5 hrs	10.5 hrs

Port Dwell time based on transit type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	12.9 hrs	17.2 hrs

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jun'23

NSICT

Port Dwell time based on transit type

May'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	46.7 hrs	13.7 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	15.7 hrs	20.3 hrs

NSIGT

Port Dwell time based on transit type

May'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	53.3 hrs	13.8 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	16.2 hrs	23.7 hrs

BMCT

Port Dwell time based on transit type

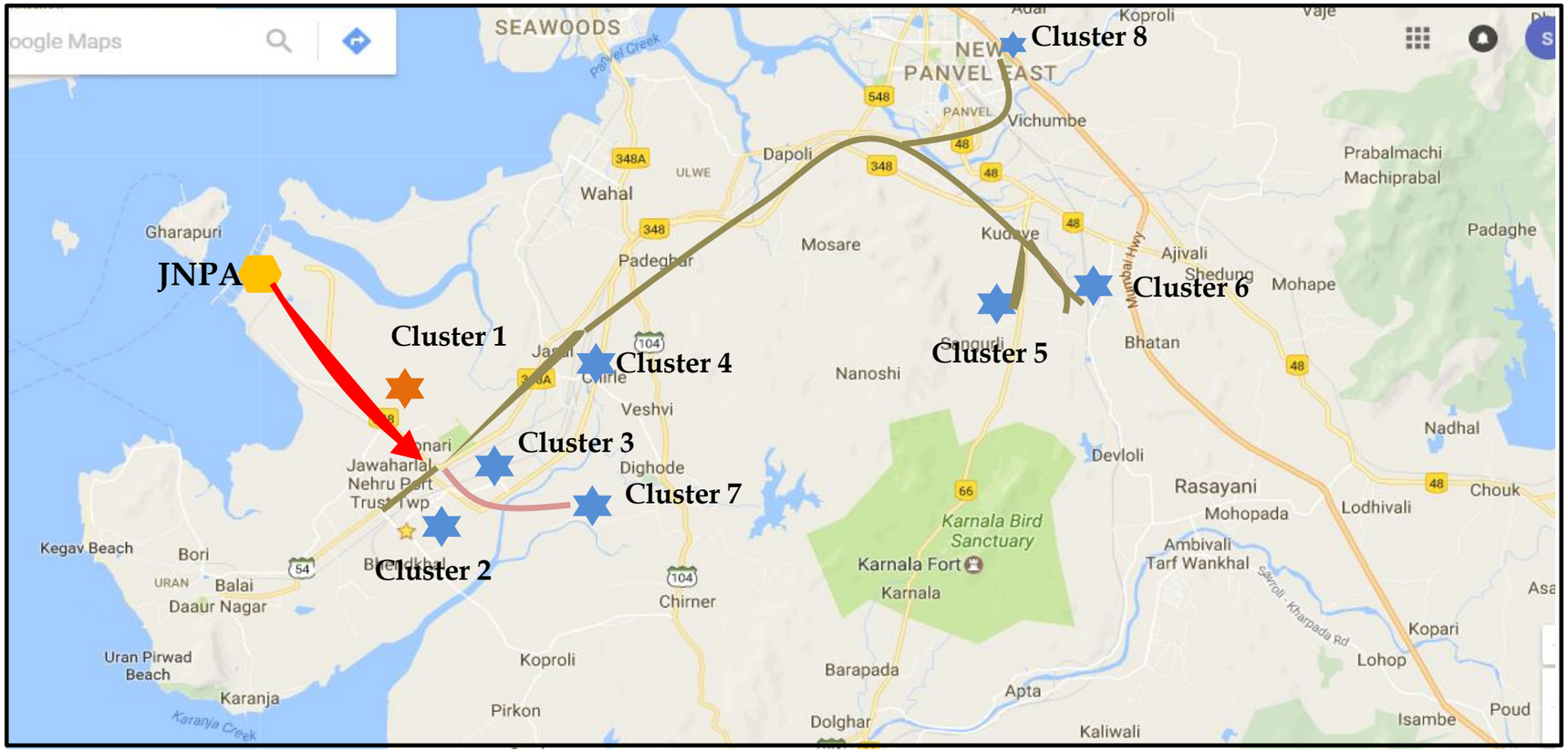
May'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	19.4 hrs	13.5 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	15.8 hrs	24.1 hrs

JNPA Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPA region in Import Cycle in month of Jun'23



Clusters with bottleneck	
CLUSTER 1	JNPA Area

Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area,JNPA road
CLUSTER 4	Chirle area, JNPA road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPA road
CLUSTER 8	Taloja, Navi Mumbai

Legends
- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

GTI Terminal	NSFT Terminal	NSICT Terminal	NSIGT Terminal	BMCT Terminal
Congestion Level	Congestion Level	Congestion Level	Congestion Level	Congestion Level
Import Cycle :-	Import Cycle :-	Import Cycle :-	Import Cycle :-	Import Cycle :-

Note:
1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
2) Analysis consist of CFS covered under LDB project

JNPA Region Import Cycle: Container Movement

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

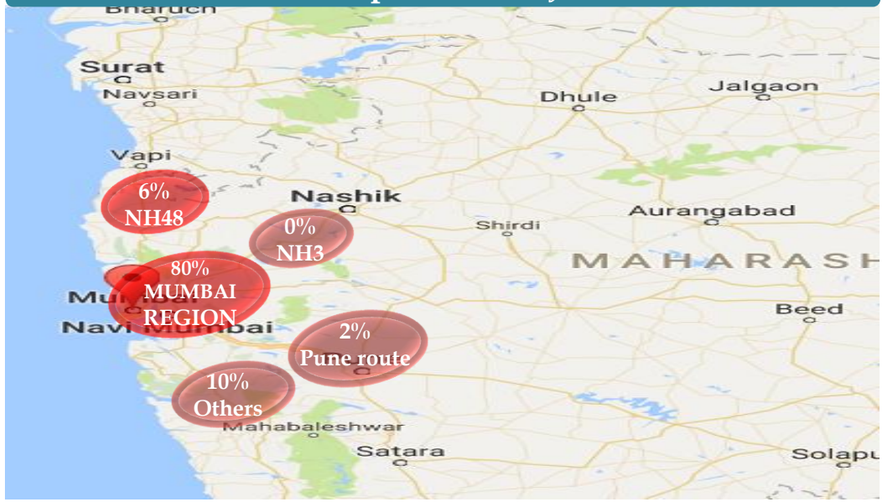
Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Jun'23
Mumbai region	80%
NH3	0%
Pune	2%
NH48	6%
Others	10%

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

Heat Map via Truck: Jun'23



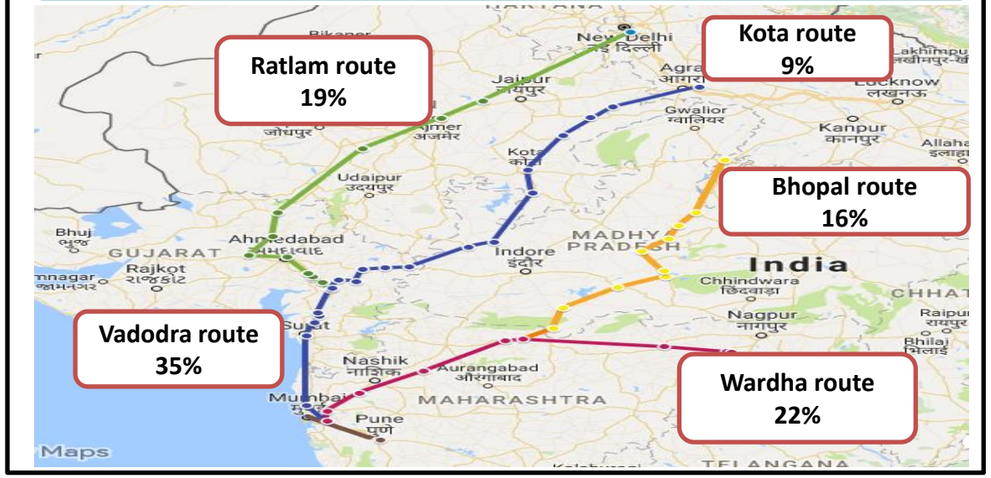
Train

VOLUME WISE CONTAINER MOVEMENT

Region	Jun'23
Vadodra Route	35%
Ratlam Route	19%
Wardha Route	22%
Kota Route	9%
Bhopal Route	16%

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

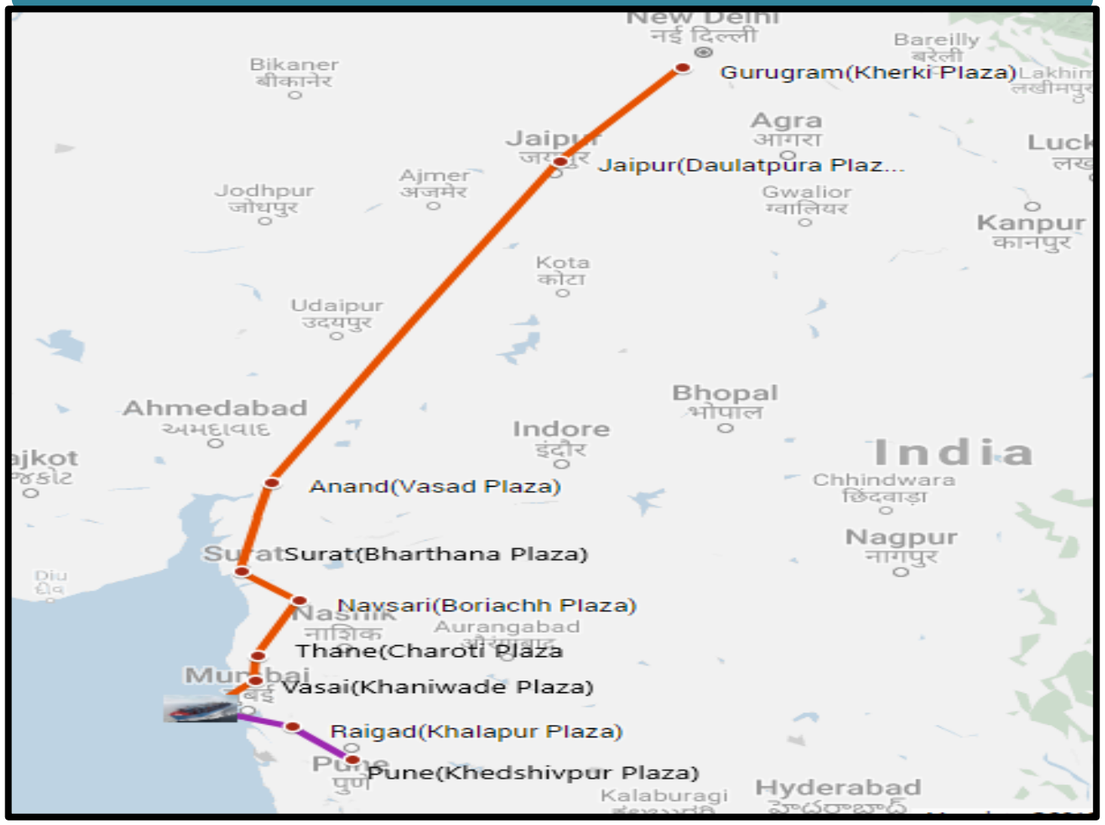
Container movement via Rail – Jun'23



Western Corridor Toll Plaza Analysis

Avg. Speed between Toll to Toll Plazas					
	Source	Destination Toll Plaza	Inter Distance (Km)	May'23 (in km/hrs)	Jun'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	16.2	13.6
	JNPA	Khalapur	60	14.0	2.6
	Khaniwade	Charoti	50	37.1	37.8
	Charoti	Boriach	126	22.8	22.9
	Boriach	Bharthan	142	27.7	31.1
	Bharthan	Vasad	60	37.2	35.9
	Khalalpur	Khedshivpur	105	28.2	31.2

Toll Plaza - JNPA Port



Export Cycle Analysis

JNPA Region: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPA port for truck and train bound containers in export cycle

PORT EXPORT via TRAIN
(20% of total export volume at JNPA Port)

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'23 (in hrs)	Jun'23 (in hrs)
NSFT	76.2	76.3
NSICT	31.8	24.0
GTI	101.0	105.0
NSIGT	99.7	112.2
BMCT	88.2	100.2

Container Handled: Day wise (Jun'23)

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%	16%	21%	11%	21%	23%
NSICT	49%	10%	9%	6%	10%	17%
GTI	2%	10%	16%	16%	24%	32%
NSIGT	2%	8%	13%	14%	30%	33%
BMCT	5%	11%	15%	16%	24%	28%

PORT EXPORT via TRUCK
(80% of total export volume at JNPA Port)

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'23 (in hrs)	Jun'23 (in hrs)
NSFT	58.5	73.8
NSICT	59.7	64.2
GTI	62.7	70.3
NSIGT	75.4	81.4
BMCT	59.4	66.0

Container Handled: Day wise (Jun'23)

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	5%	18%	25%	21%	26%	5%
NSICT	11%	23%	24%	22%	15%	6%
GTI	3%	20%	29%	25%	20%	3%
NSIGT	5%	15%	20%	23%	27%	9%
BMCT	6%	24%	25%	23%	16%	6%

JNPA Region: Dwell Time Performance (Export Cycle)

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Jun'23

NSFT

Port Dwell time based on transit type

May'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	76.2 hrs	81.8 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	76.5 hrs	54.7 hrs

GTI

Port Dwell time based on transit type

May'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	69.6 hrs	72.2 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	76.0 hrs	70.2 hrs

JNPA Region: Dwell Time Performance (Export Cycle)

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Jun'23

NSICT

Port Dwell time based on transit type

May'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	72.1 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	61.6 hrs	47.3 hrs

NSIGT

Port Dwell time based on transit type

May'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	88.6 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	88.4 hrs	73.6 hrs

BMCT

Port Dwell time based on transit type

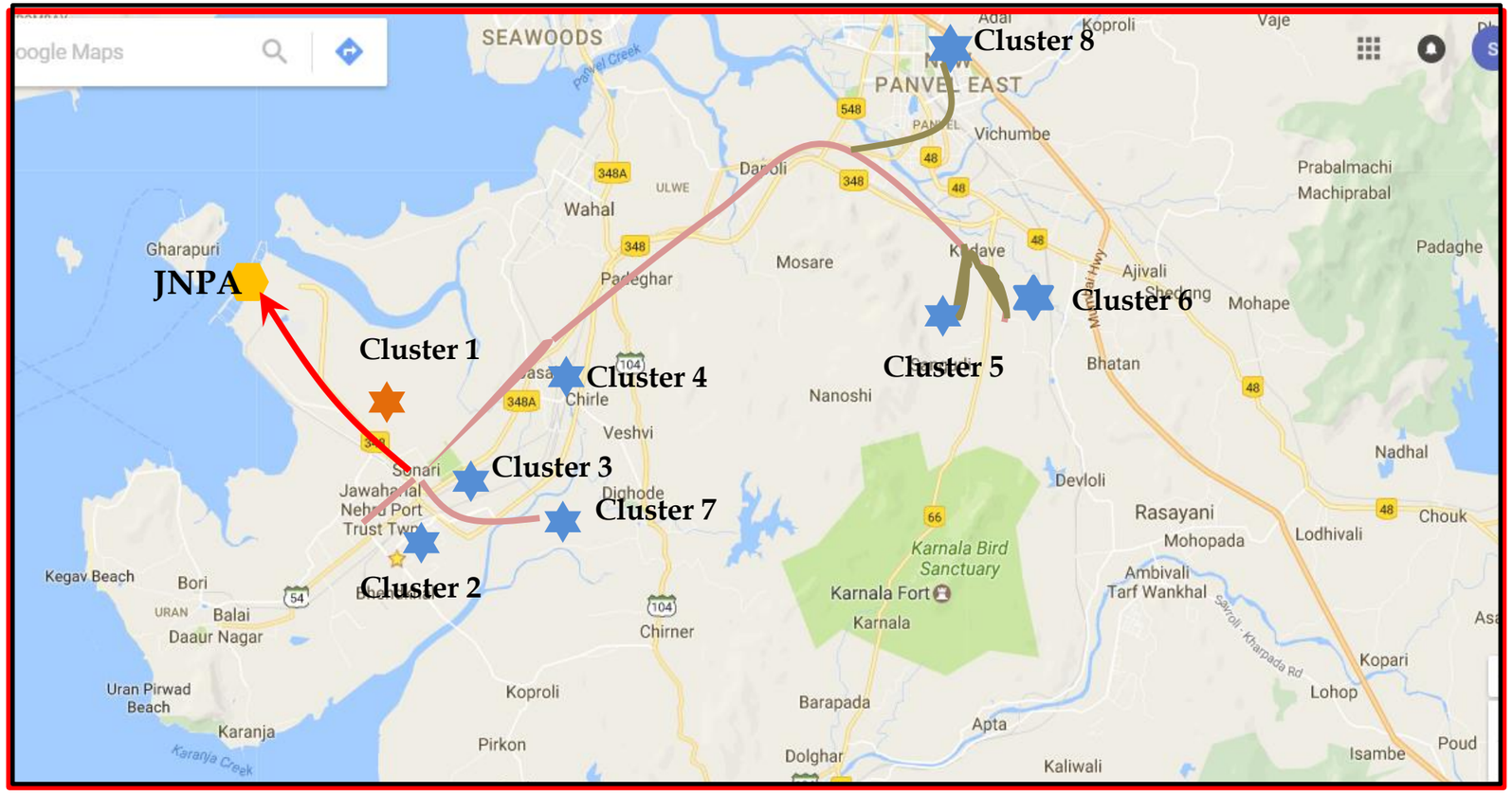
May'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	62.7 hrs	70.5 hrs

Port Dwell time based on container type

May'23	Laden Containers	Empty Containers
Dwell time (in hrs)	72.6 hrs	65.6 hrs

JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Export Cycle in month of Jun'23



Clusters with bottleneck	
CLUSTER 1	JNPA Area
Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, khopate road
CLUSTER 3	Sonari area, JNPA road
CLUSTER 4	Chirle area, JNPA road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPA road
CLUSTER 8	Taloja, Navi Mumbai

Legends
- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

GTI Terminal	NSFT Terminal	NSICT Terminal	NSIGT Terminal	BMCT Terminal
Congestion Level	Congestion Level	Congestion Level	Congestion Level	Congestion Level
Export Cycle :-	Export Cycle :-	Export Cycle :-	Export Cycle :-	Export Cycle :-

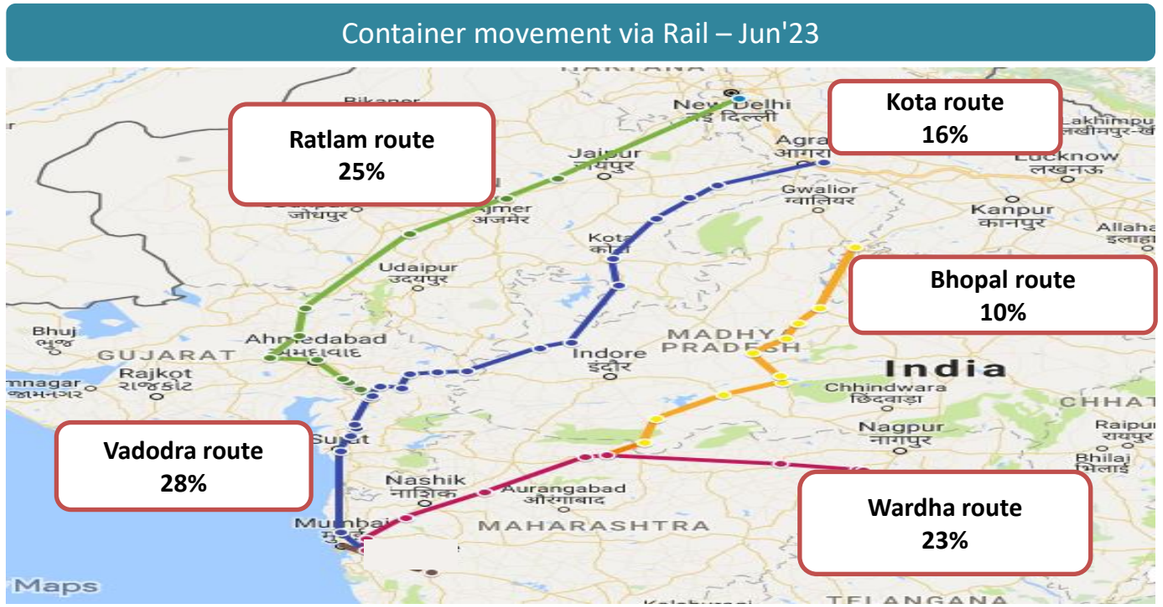
Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals

2) Analysis consist of CFS covered under LDB project

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	28%
Ratlam Route	25%
Wardha Route	23%
Kota Route	16%
Bhopal Route	10%

The map shows the volume wise container movement through different railway routes in export cycle for Jun'23



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

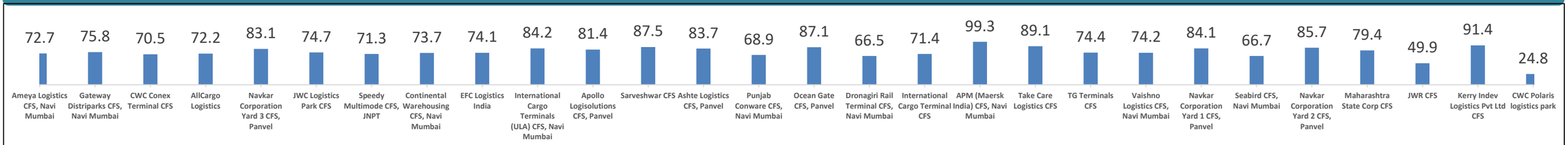
Below table and graphs show the dwell time of the respective CFSs for the month of Jun'23

CFS Dwell Time (in hrs.)

CFS	May'23 (in hrs)	Jun'23 (in hrs)
Ameya Logistics CFS, Navi Mumbai	81.9	72.7
Gateway Distriparks CFS, Navi Mumbai	83.0	75.8
CWC Conex Terminal CFS	79.8	70.5
AllCargo Logistics	86.2	72.2
Navkar Corporation Yard 3 CFS, Panvel	92.9	83.1
JWC Logistics Park CFS	89.6	74.7
Speedy Multimode CFS, JNPT	92.5	71.3
Continental Warehousing CFS, Navi Mumbai	85.9	73.7
EFC Logistics India	79.8	74.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	82.3	84.2
Apollo Logisolutions CFS, Panvel	75.4	81.4
Sarveshwar CFS	100.8	87.5
Ashte Logistics CFS, Panvel	97.6	83.7
Punjab Conware CFS, Navi Mumbai	74.9	68.9

CFS	May'23 (in hrs)	Jun'23 (in hrs)
Ocean Gate CFS, Panvel	97.9	87.1
Dronagiri Rail Terminal CFS, Navi Mumbai	69.7	66.5
International Cargo Terminal CFS	80.5	71.4
APM (Maersk India) CFS, Navi Mumbai	98.2	99.3
Take Care Logistics CFS	107.5	89.1
TG Terminals CFS	87.8	74.4
Vaishno Logistics CFS, Navi Mumbai	96.7	74.2
Navkar Corporation Yard 1 CFS, Panvel	99.1	84.1
Seabird CFS, Navi Mumbai	71.3	66.7
Navkar Corporation Yard 2 CFS, Panvel	92.9	85.7
Maharashtra State Corp CFS	98.1	79.4
JWR CFS	52.8	49.9
Kerry Indev Logistics Pvt Ltd CFS	83.8	91.4
CWC Polaris logistics park	25.1	24.8

CFS – DWELL OVERVIEW – JUN'23 (IN HRS)



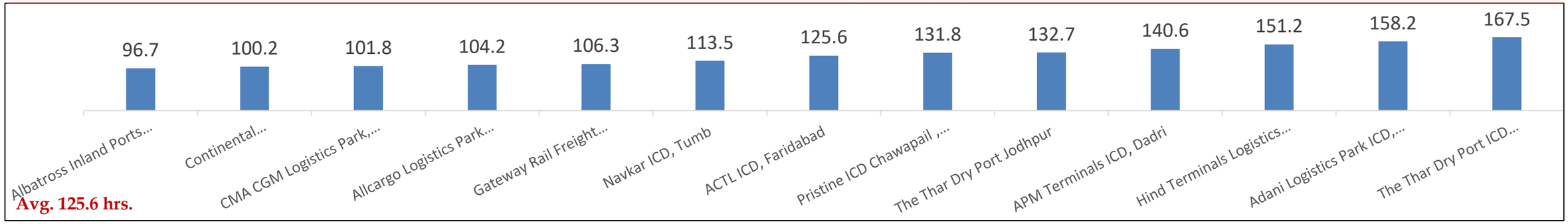
Average: 75.5 hrs.

ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	**May'23 (in hrs)**	**Jun'23 (in hrs)**
Albatross Inland Ports ICD, Dadri	119.9	96.7
Continental Warehousing Corporation Nhava Sheva pvt.	89.2	100.2
CMA CGM Logistics Park, Dadri	99.0	101.8
Allcargo Logistics Park ICD, Dadri	108.6	104.2
Gateway Rail Freight ICD, Gurgaon	134.9	106.3
Navkar ICD, Tumb	144.5	113.5
ACTL ICD, Faridabad	106.0	125.6
Pristine ICD Chawapail , Ludhiana	110.5	131.8
The Thar Dry Port Jodhpur	149.3	132.7
APM Terminals ICD, Dadri	127.0	140.6
Hind Terminals Logistics Park ICD, Palwal	148.6	151.2
Adani Logistics Park ICD, Gurgaon	139.4	158.2
The Thar Dry Port ICD Ahmedabad	161.8	167.5
Albatross Inland Ports ICD, Dadri	119.9	96.7

ICD – DWELL OVERVIEW (JUN'23) (In Hrs)



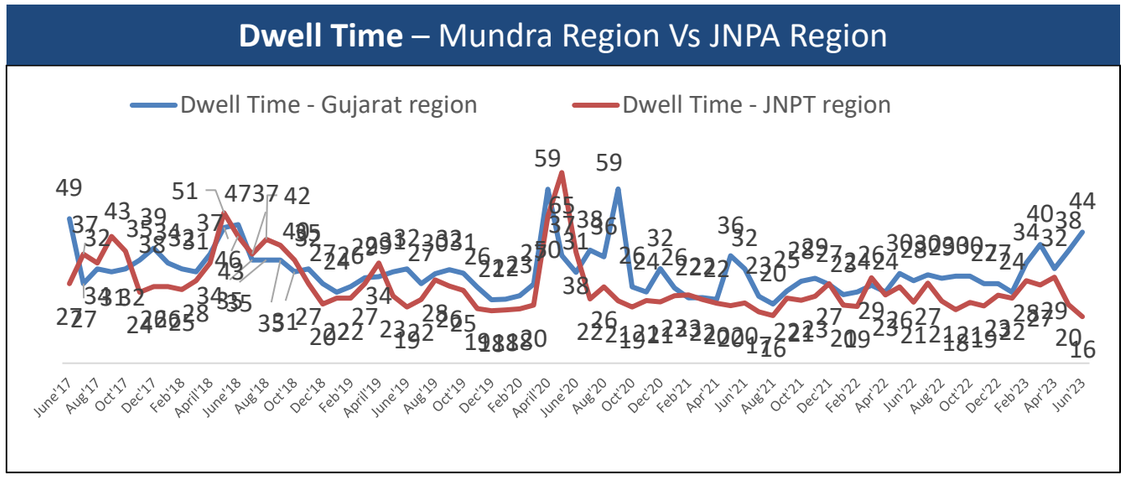
Trend Analysis

Western Corridor Port – Yearly Analysis

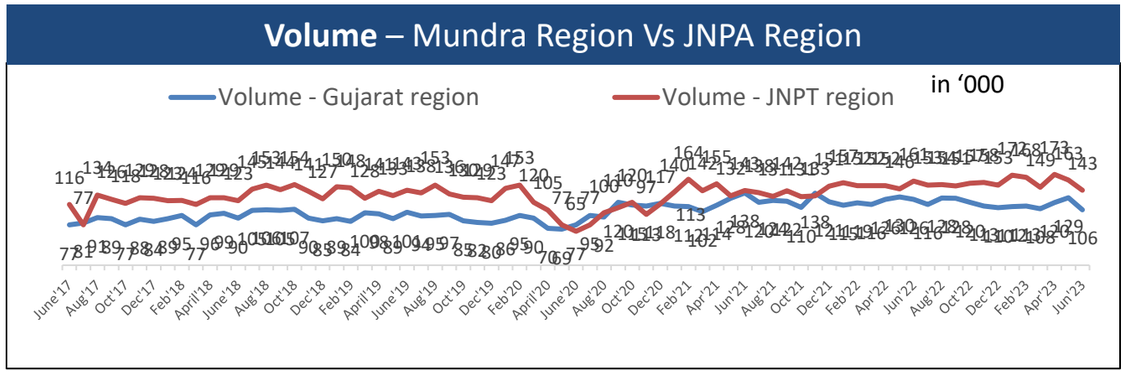
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Jun'23

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



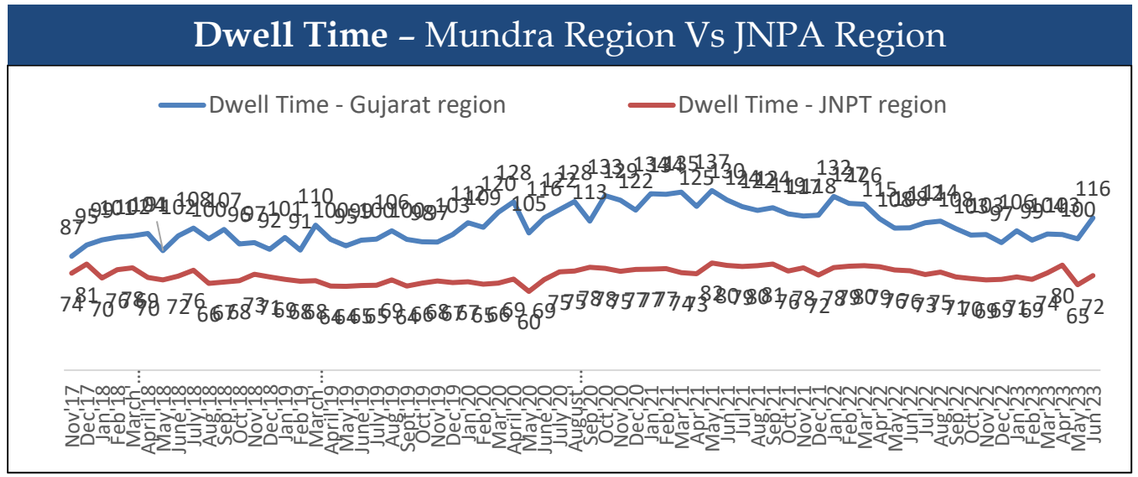
Volume – Mundra Region Vs JNPA Region



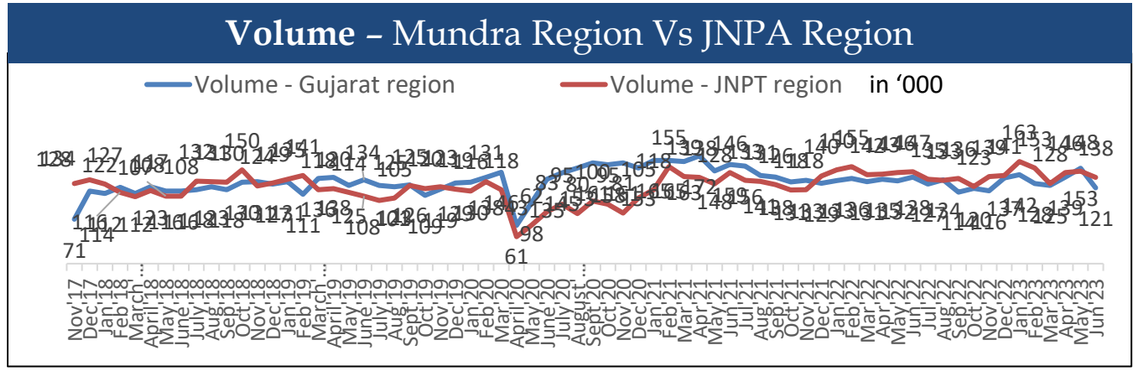
In Import cycle, for the month of Jun'23 Mundra port has catered 25.9% **less volume** than JNPA Port, and has performed with 180.7% **higher dwell time** than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

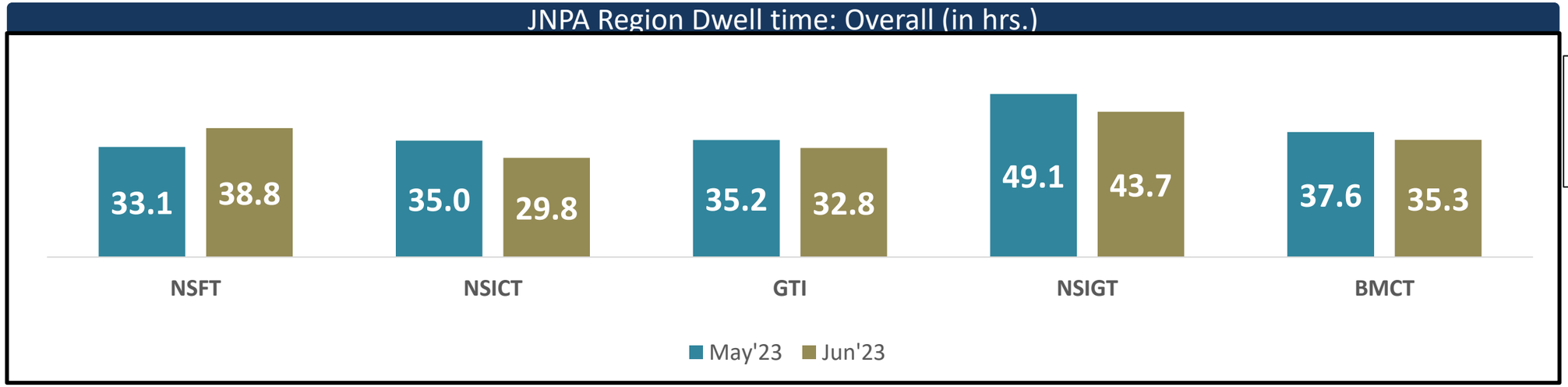


In Export cycle, for the month Jun'23 JNPA port catered 14.1% **high volume** than Mundra Port, and has maintained 37.9% **lower dwell time** than Mundra Port

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

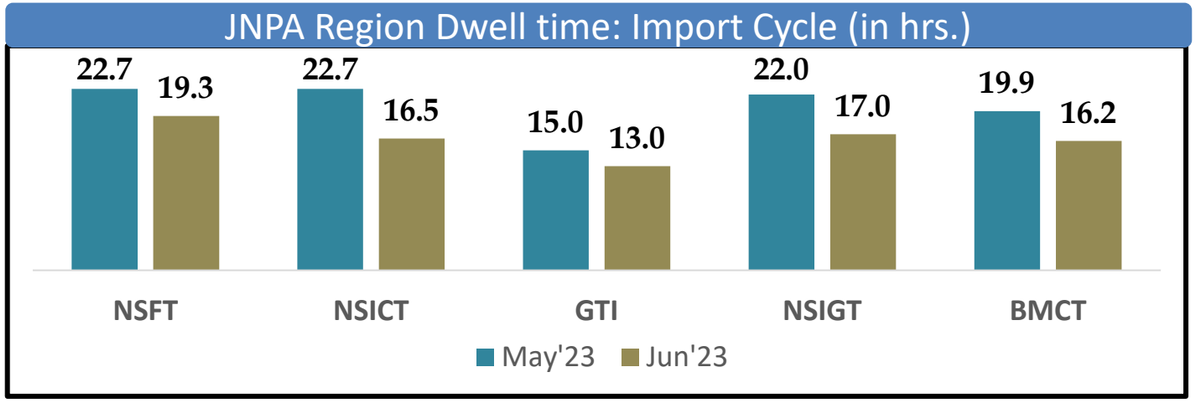


The overall JNPA region average dwell time for Jun'23 is 35.1 hrs as compared to 37.5 hrs in May'23

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Jun'23

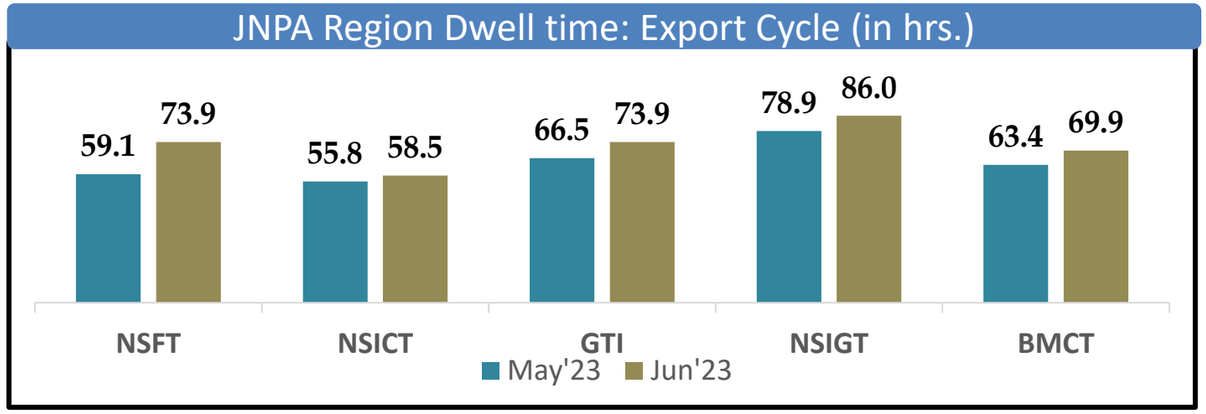
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Jun'23 is 15.8 hrs.



JNPA Export cycle Trend

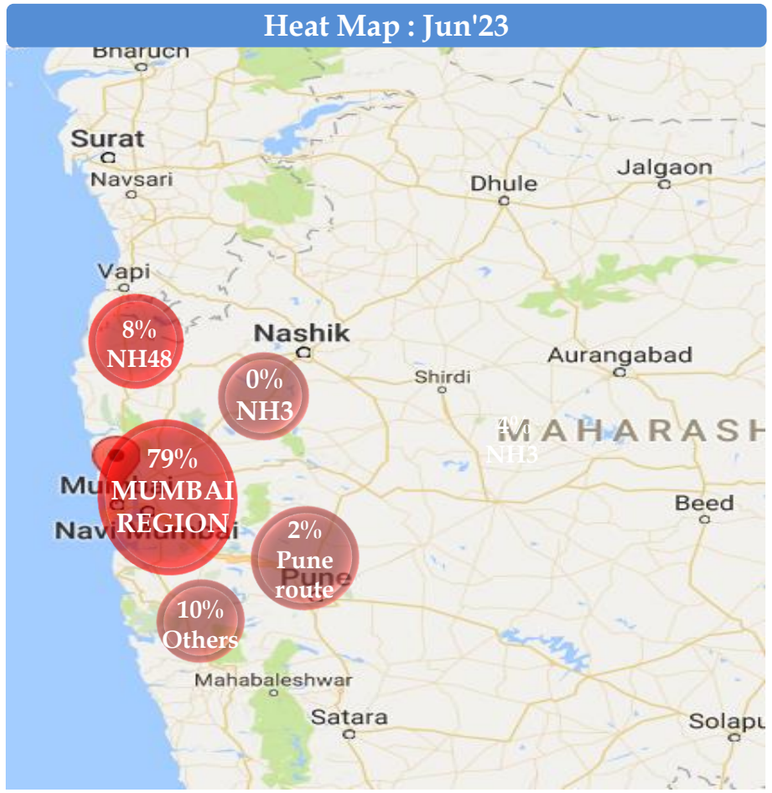
The average export cycle dwell time of JNPA region port terminals for Jun'23 is 71.9 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

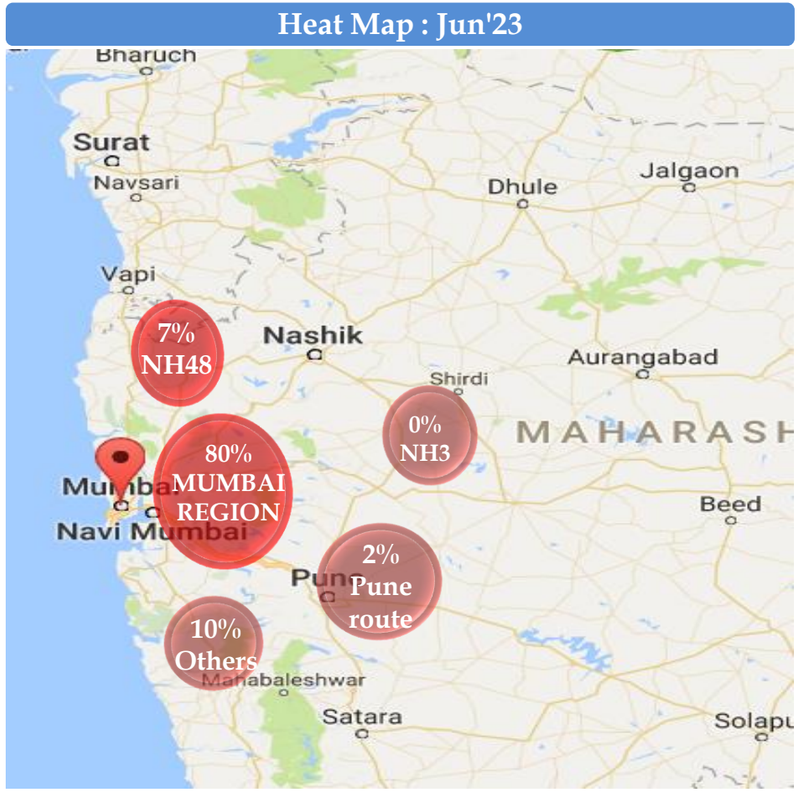
HEAT MAP : GTI Port Terminal



Region	May'23	Jun'23
Mumbai region	79%	79%
NH3	0%	0%
Pune	3%	2%
NH48	8%	8%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

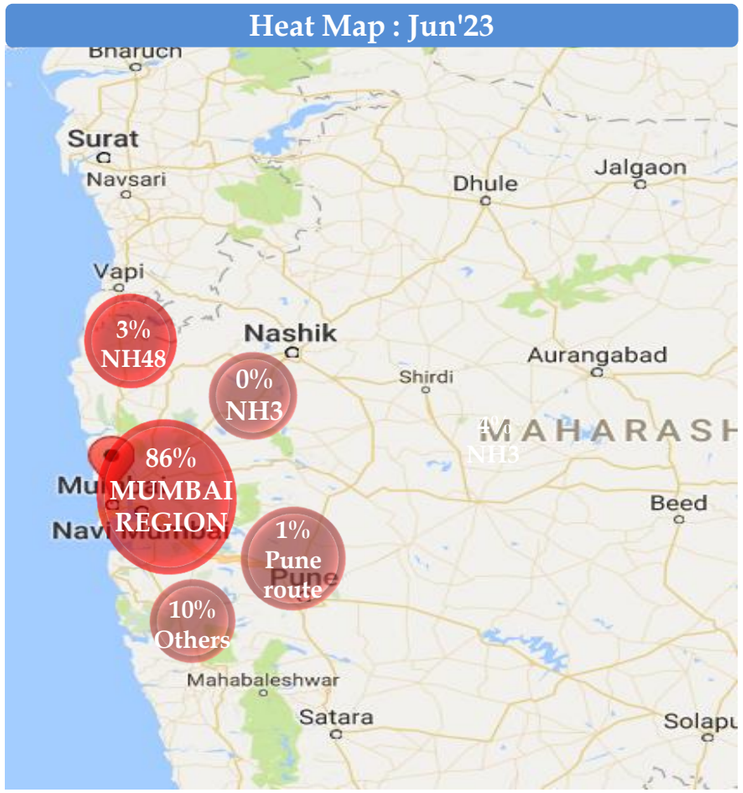


Region	May'23	Jun'23
Mumbai region	77%	80%
NH3	1%	0%
Pune	4%	2%
NH48	8%	7%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

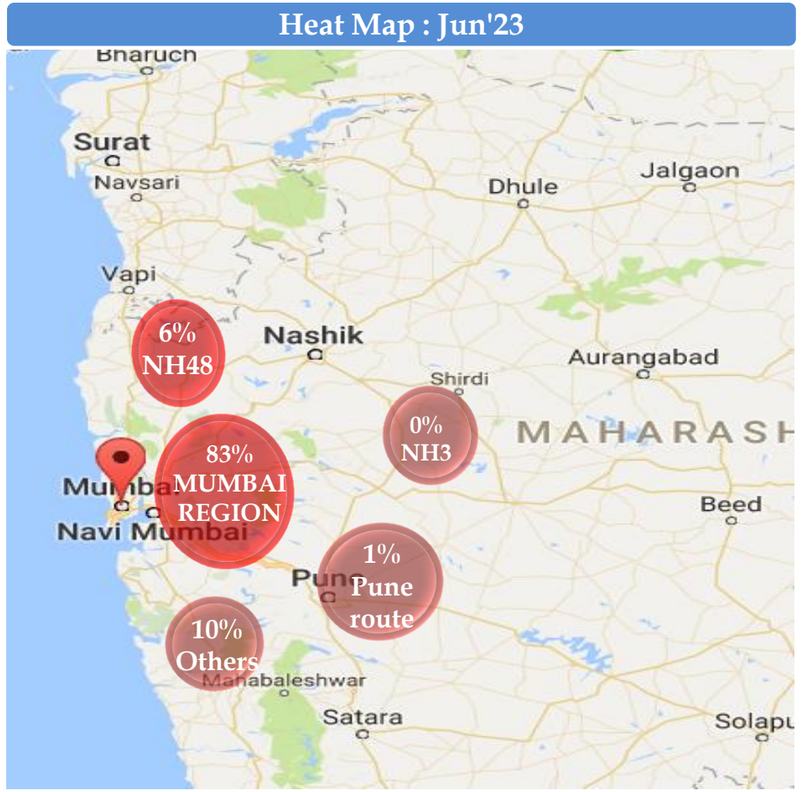
HEAT MAP : NSIGT Port Terminal



Region	May'23	Jun'23
Mumbai region	82%	86%
NH3	0%	0%
Pune	2%	1%
NH48	6%	3%
others	10%	10%

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

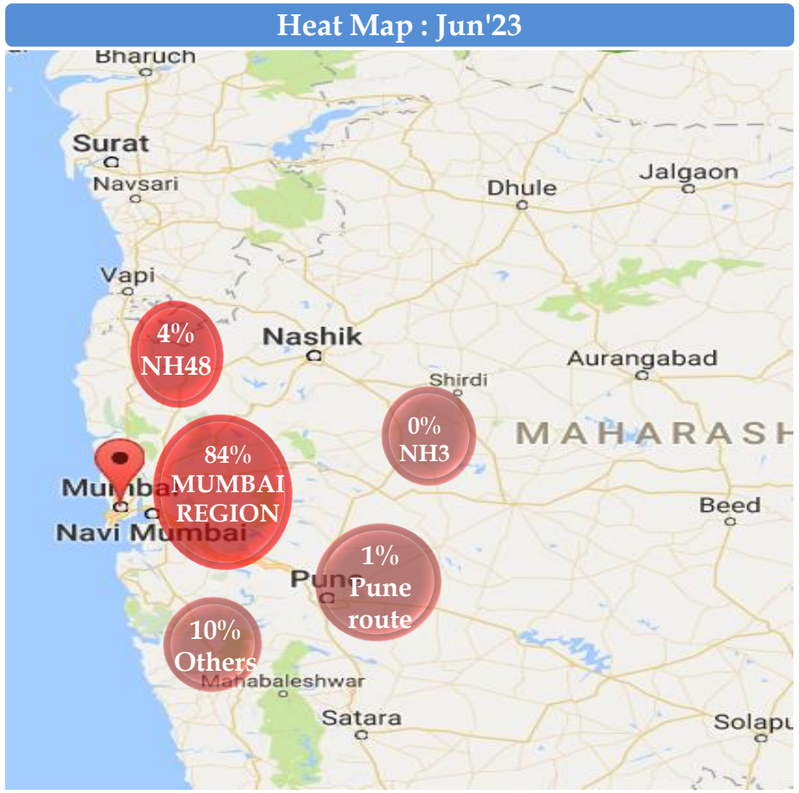
HEAT MAP : NSICT Port Terminal



Region	May'23	Jun'23
Mumbai region	79%	83%
NH3	0%	0%
Pune	4%	1%
NH48	7%	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'23	Jun'23
Mumbai region	82%	84%
NH3	0%	0%
Pune	2%	1%
NH48	6%	4%
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

Below table shows the delivery time in export cycle from the CFS's to PORT terminals

CFS Out – Port In (Export Cycle) – Jun'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.8	1.0	2.3	2.6	6.0
Punjab Conware CFS, Navi Mumbai	3.4	1.0	2.7	3.3	5.5
JWC Logistics Park CFS	3.7	2.4	3.3	3.8	5.4
Dronagiri Rail Terminal CFS, Navi Mumbai	2.8	0.7	1.9	1.9	4.8
Navkar Corporation Yard 2 CFS, Panvel	6.6	4.2	5.3	7.2	8.5
Vaishno Logistics CFS, Navi Mumbai	2.8	4.9	2.8	2.5	5.6
Speedy Multimode CFS, JNPT	2.6	0.7	2.2	2.4	4.1
Navkar Corporation Yard 3 CFS, Panvel	5.2	1.9	5.3	6.9	6.8
Ashte Logistics CFS, Panvel	2.8	2.3	3.4	3.6	6.6
Continental Warehousing CFS, Navi Mumbai	1.9	1.2	2.2	2.1	3.6
SBW Logistics CFS, Navi Mumbai	-	3.3	8.1	-	9.3
Maharashtra State Corp CFS	2.7	2.1	2.3	2.3	5.0
International Cargo Terminal CFS	3.0	1.8	2.3	2.7	4.8
Seabird CFS, Navi Mumbai	2.7	2.2	2.6	2.2	5.2
Apollo Logisolutions CFS, Panvel	2.4	1.9	5.2	4.0	6.1
Ameya Logistics CFS, Navi Mumbai	3.0	1.7	2.8	2.7	6.0
AllCargo Logistics	3.2	2.4	2.4	2.8	5.5
Ocean Gate CFS, Panvel	4.7	2.4	2.7	3.5	6.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.5	2.4	2.2	2.3	5.5
Kerry Indev Logistics Pvt Ltd CFS	2.6	4.1	2.7	5.3	6.0
APM (Maersk India) CFS, Navi Mumbai	4.9	5.3	4.1	2.1	2.9

CFS Delivery Time Analysis – JNPA Terminals to CFS

Below table shows the delivery time in import cycle from the PORT terminals to CFS's

Port Out – CFS In (Import Cycle) – Jun'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.1	2.4	2.2	2.3	2.2
APM (Maersk India) CFS, Navi Mumbai	1.7	3.3	2.0	2.0	2.0
International Cargo Terminal CFS	1.5	1.9	1.4	1.6	1.5
Ameya Logistics CFS, Navi Mumbai	2.2	2.4	2.1	2.2	2.2
AllCargo Logistics	2.7	3.4	2.8	2.8	3.1
Kerry Indev Logistics Pvt Ltd CFS	3.5	3.0	3.1	3.8	3.8
Navkar Corporation Yard 3 CFS, Panvel	3.7	3.2	3.1	2.6	3.5
Seabird CFS, Navi Mumbai	1.7	2.2	1.8	1.7	2.0
Ashte Logistics CFS, Panvel	1.9	2.6	2.3	2.2	2.3
Continental Warehousing CFS, Navi Mumbai	1.5	1.9	1.6	1.7	1.5
Dronagiri Rail Terminal CFS, Navi Mumbai	22.0	2.8	2.2	6.0	1.7
Navkar Corporation Yard 1 CFS, Panvel	4.0	3.2	3.1	4.0	3.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5	2.9	2.3	2.2	2.1
Maersk Annex (APM)CFS, Navi Mumbai	-	4.8	1.7	1.3	2.5
Speedy Multimode CFS, JNPT	1.7	1.7	1.6	1.8	1.6
Apollo Logisolutions CFS, Panvel	2.4	3.7	3.7	4.0	3.8
Navkar Corporation Yard 2 CFS, Panvel	3.4	3.8	4.0	3.3	3.7
Punjab Conware CFS, Navi Mumbai	1.6	1.9	1.6	1.9	1.7
Vaishno Logistics CFS, Navi Mumbai	30.5	2.1	2.3	1.9	2.1
JWC Logistics Park CFS	1.7	2.3	2.3	2.4	2.1
SBW Logistics CFS, Navi Mumbai	3.7	4.6	4.7	8.1	3.4
Ocean Gate CFS, Panvel	2.5	3.0	2.3	2.7	2.8
Maharashtra State Corp CFS	1.5	2.1	1.6	2.3	1.6

JNPA Region : Cluster Analysis

Base 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'23				
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	0.7
Cluster 2	6	13	-	-
Cluster 3	6	11	2.1	1.6
Cluster 4	1	13	2.1	4.9
Cluster 5	2	25	2.6	2.4
Cluster 6	6	25	3.2	2.3
Cluster 7	4	12	2.4	1.7
Cluster 8	1	34	4.6	3.3

CFS Cluster : NSFT Terminal

NSFT terminal for month of Jun'23				
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	2.6
Cluster 2	6	13	-	-
Cluster 3	6	11	1.6	2.7
Cluster 4	1	13	30.5	2.8
Cluster 5	2	25	2.1	4.2
Cluster 6	6	25	3.5	2.8
Cluster 7	4	12	2.2	3.0
Cluster 8	1	34	3.7	-

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

Base 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'23				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.6	2.2
Cluster 2	6	13	-	-
Cluster 3	6	11	1.7	2.5
Cluster 4	1	13	2.3	2.8
Cluster 5	2	25	2.3	3.0
Cluster 6	6	25	3.1	5.2
Cluster 7	4	12	2.1	2.4
Cluster 8	1	34	4.7	8.1

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Jun'23				
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	2.4
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	2.2
Cluster 4	1	13	1.9	2.5
Cluster 5	2	25	2.5	3.6
Cluster 6	6	25	3.6	5.3
Cluster 7	4	12	2.2	2.7
Cluster 8	1	34	8.1	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Jun'23				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.6	4.1
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	5.1
Cluster 4	1	13	2.1	5.6
Cluster 5	2	25	2.5	5.8
Cluster 6	6	25	3.6	6.6
Cluster 7	4	12	2.2	5.5
Cluster 8	1	34	3.4	9.3

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	154.3	99.9	43.6	43.6	-	43.7
Ankaleshwar	33.6	46.0	46.5	46.5	-	44.6
Ballabhgarh	361.5	184.2	-	-	174.3	184.9
Bangalore	-	221.5	-	-	-	221.5
Baroda	-	80.1	31.3	31.3	-	72.4
Boisar	51.5	-	67.5	67.5	46.1	51.8
Dadri	24.7	-	39.9	39.9	26.9	26.9
Daulatabad	61.2	28.5	36.8	36.8	26.3	37.9
Faridabad	53.6	86.0	227.5	227.5	186.2	82.9
Guhati	301.3	204.9	342.9	342.9	-	224.8
Indore	106.9	-	43.7	43.7	30.2	41.9
Jaipur	28.1	29.1	28.8	28.8	16.9	27.8
Kanpur	61.8	43.3	59.4	59.4	45.5	58.8
Khatuwas	44.0	27.5	-	-	-	28.9
Khodiyar	33.2	50.9	32.1	32.1	53.4	38.3
Khopate	13.5	-	-	-	-	13.5
Ludhiana	31.7	200.5	67.3	67.3	52.9	58.3
Malanpur	20.9	46.7	44.3	44.3	47.9	37.6
Mandideep	51.1	-	28.7	28.7	28.7	32.5
Moradabad	28.6	42.0	30.3	30.3	44.4	30.6
Nagpur	41.3	24.9	41.5	41.5	31.1	40.2
Navi Mumbai	11.6	18.5	14.3	14.3	11.6	12.6
Pantnagar	-	-	17.2	17.2	-	17.2
Raipur	-	-	52.9	52.9	-	52.9
Sanatnagar	28.5	-	35.1	35.1	-	29.7
Thimmapur	80.8	-	119.3	119.3	81.5	90.4
Tughlakabad	32.4	-	37.5	37.5	23.1	32.9
Umbergaon	51.7	-	91.6	91.6	92.9	89.4

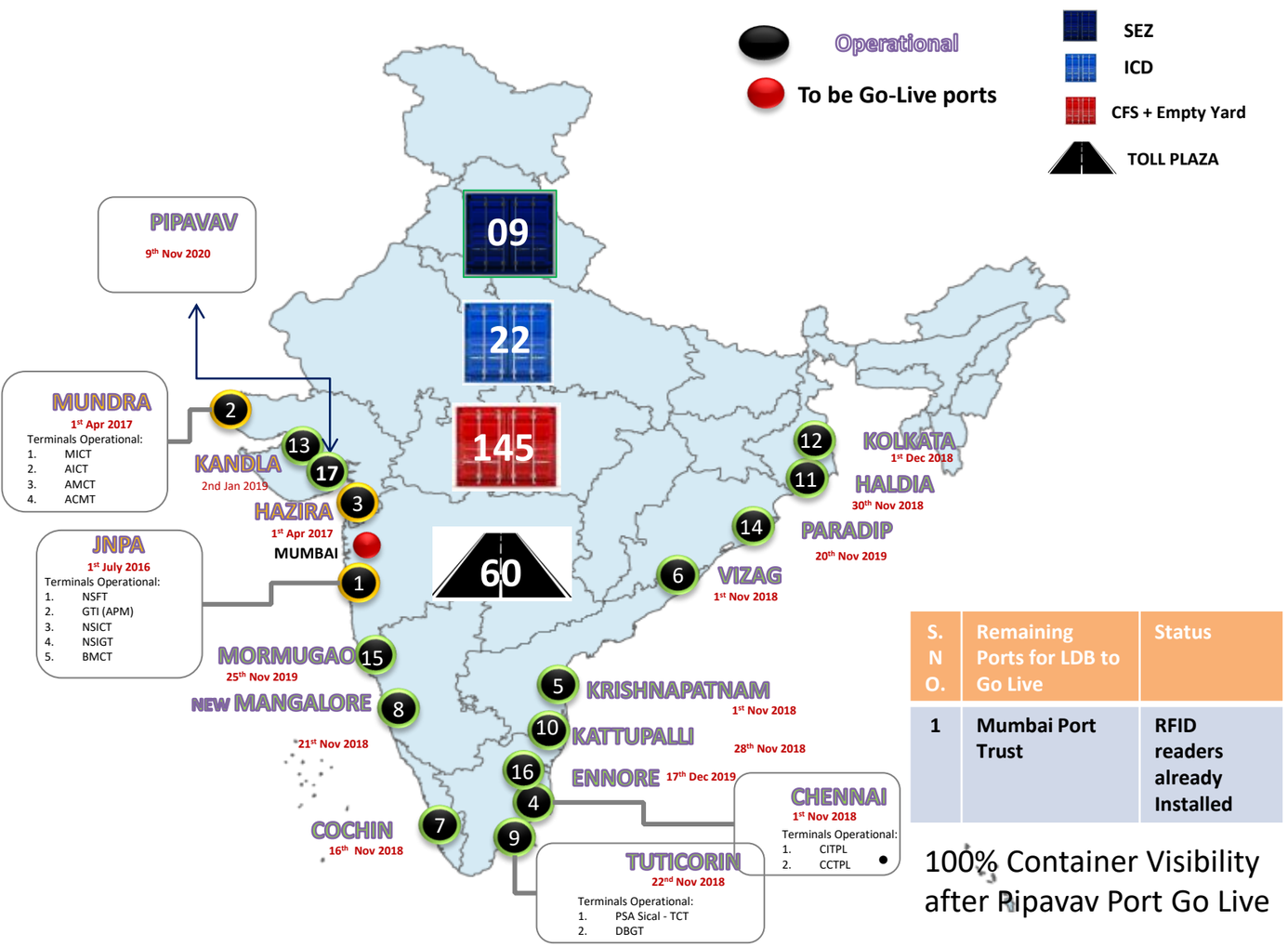
JNPA Region : Destination-wise Dwell Time – Import

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

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	13.4	-	11.4	11.4	10.7	12.4
Ameya Logistics CFS, Navi Mumbai	13.5	-	12.1	12.1	13.4	13.4
APM (Maersk India) CFS, Navi Mumbai	11.3	9.1	9.0	9.0	13.1	11.0
Apollo Logisolutions CFS, Panvel	13.0	10.3	15.6	15.6	21.6	12.9
Ashte Logistics CFS, Panvel	12.2	10.3	14.6	14.6	13.1	12.0
Balmer & Lawrie CFS, Navi Mumbai	13.7	13.3	18.2	18.2	15.5	14.3
Continental Warehousing CFS, Navi Mumbai	11.1	9.7	12.2	12.2	16.1	11.1
CWC Impex Park	15.4	13.8	19.8	19.8	23.2	16.2
Dronagiri Rail Terminal CFS, Navi Mumbai	27.2	18.5	17.0	17.0	-	24.2
EFC Logistics	12.4	11.3	14.0	14.0	14.8	12.6
Gateway Distriparks CFS, Navi Mumbai	13.2	13.5	13.5	13.5	13.5	13.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	10.3	10.3	9.6	9.9
JWC Logistics Park CFS	11.7	9.8	10.0	10.0	14.8	11.1
Kerry Indev Logistics Pvt Ltd CFS	19.1	18.0	17.7	17.7	17.8	19.3
Maharashtra State Corp CFS	15.7	14.5	25.4	25.4	15.1	18.5
Navkar Corporation	17.0	14.0	14.3	14.3	15.0	15.6
Ocean Gate CFS, Panvel	13.1	9.9	17.0	17.0	11.8	13.0
Sarveshwar Logistics	11.5	8.1	11.5	11.5	11.2	10.5
SBW Logistics CFS, Navi Mumbai	29.0	-	23.6	23.6	-	29.0
Seabird CFS, Navi Mumbai	15.1	-	16.3	16.3	15.6	15.9
Speedy Multimode CFS, JNPT	11.5	-	12.3	12.3	15.9	12.2
Take Care Logistics	12.7	8.9	13.0	13.0	12.0	12.4
TG Terminals	19.6	-	16.5	16.5	16.8	18.5
Vaishno Logistics CFS, Navi Mumbai	12.0	14.5	19.4	19.4	16.9	15.5

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 42 million EXIM containers covered till date.(2021.11.28)

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 name used in CFS Performance Index

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

THANK YOU