

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Jun'23 (in hrs)	Jul'23 (in hrs)	Port	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	19.3	22.7	NSFT	73.9	76.1
NSICT	16.5	22.7	NSICT	58.5	61.8
GTI	13.0	15.5	GTI	73.9	71.4
NSIGT	17.0	22.6	NSIGT	86.0	89.5
BMCT	16.2	21.4	BMCT	69.9	67.6

Critical Incident Summary

Jawaharlal Nehru Port Authority

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Jul'23	20.3 hrs 28.5%	71.8 hrs 0.1%	80.5 hrs 6.6%	120.0 hrs 4.5%
Jun'23	15.8 hrs	71.9 hrs	75.5 hrs	125.6 hrs

Port Dwell Time

IMPORT

Mode	Jun'23 (in hrs)	Jul'23 (in hrs)
Overall	24.0	33.1
Truck	20.5	27.9
Train	52.0	65.2

EXPORT

Mode	Jun'23 (in hrs)	Jul'23 (in hrs)
Overall	88.3	81.5
Truck	83.2	77.7
Train	123.5	105.8

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	Jun'23 (in hrs)	Jul'23 (in hrs)
CFS	81.7	89.0
ICD	125.6	120.0

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

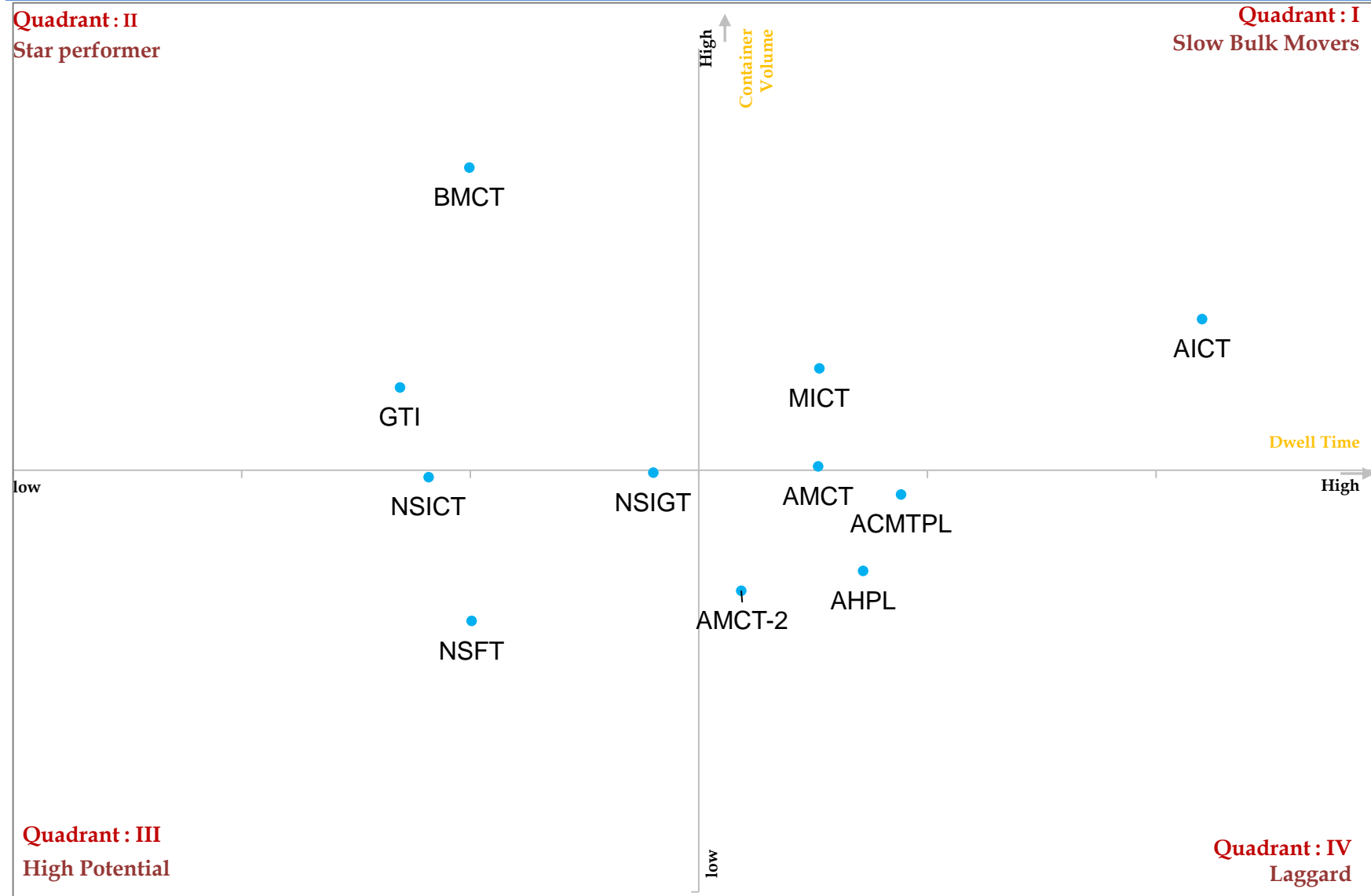
The marked entries showcase Decrease in performance in comparison to Jun'23



Performance Benchmarking - Port Terminals

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


Port Terminal Performance Index - Jul'23



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


Top Performing Terminal

Bharat Mumbai Container Terminals (PSA)

Jun'23	Jul'23
35.3 hrs	40.5 hrs 

Low Performing Terminal

Adani Hazira Port Private Limited (AHPPL)

Jun'23	Jul'23
78.0 hrs	76.4 hrs 

Note: The performance benchmarking is based on performance index



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

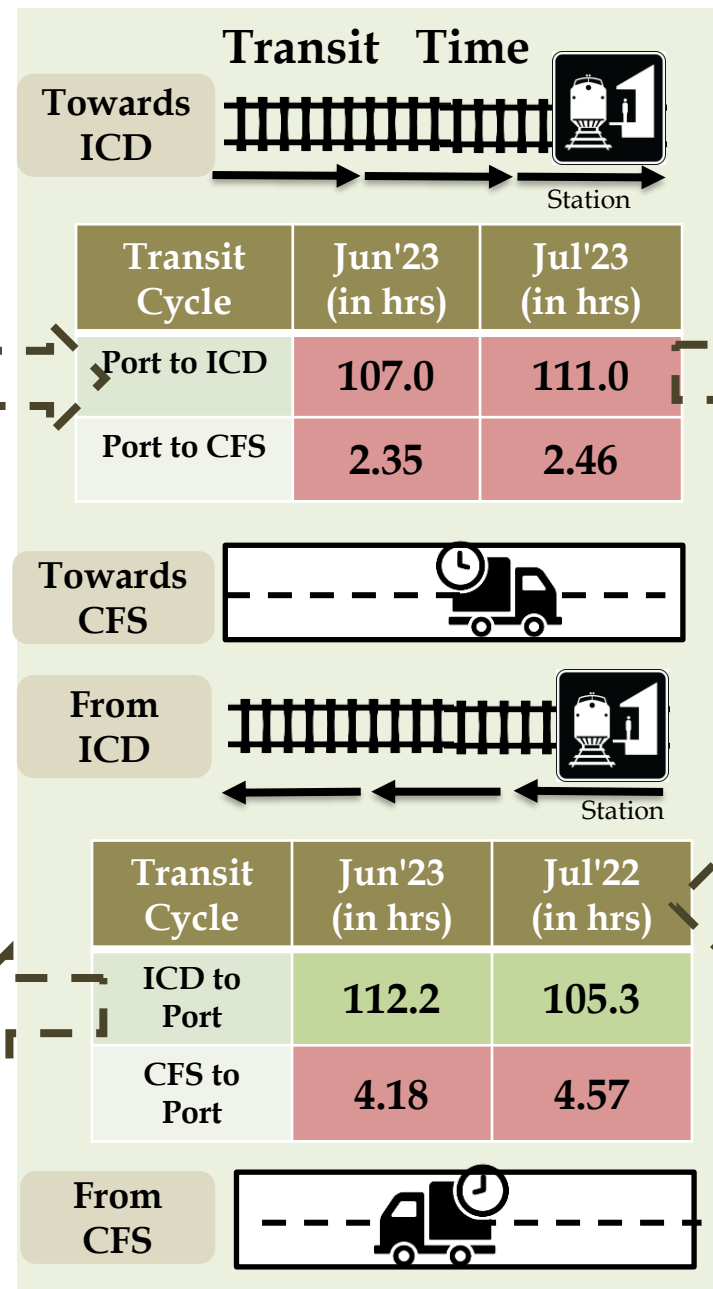
Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

Mode	Jun'23 (in hrs)	Jul'23 (in hrs)
Overall	15.8	20.3
Truck	13.8	17.5
Train	38.4	52.3

Mode	Jun'23 (in hrs)	Jul'22 (in hrs)
Overall	71.9	71.8
Truck	69.8	70.2
Train	88.5	85.0



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

Entity	Jun'23 (in hrs)	Jul'23 (in hrs)
CFS	75.5	80.5
ICD	125.6	120.0

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 Jun'23

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

Container Lifecycle (Export Cycle)

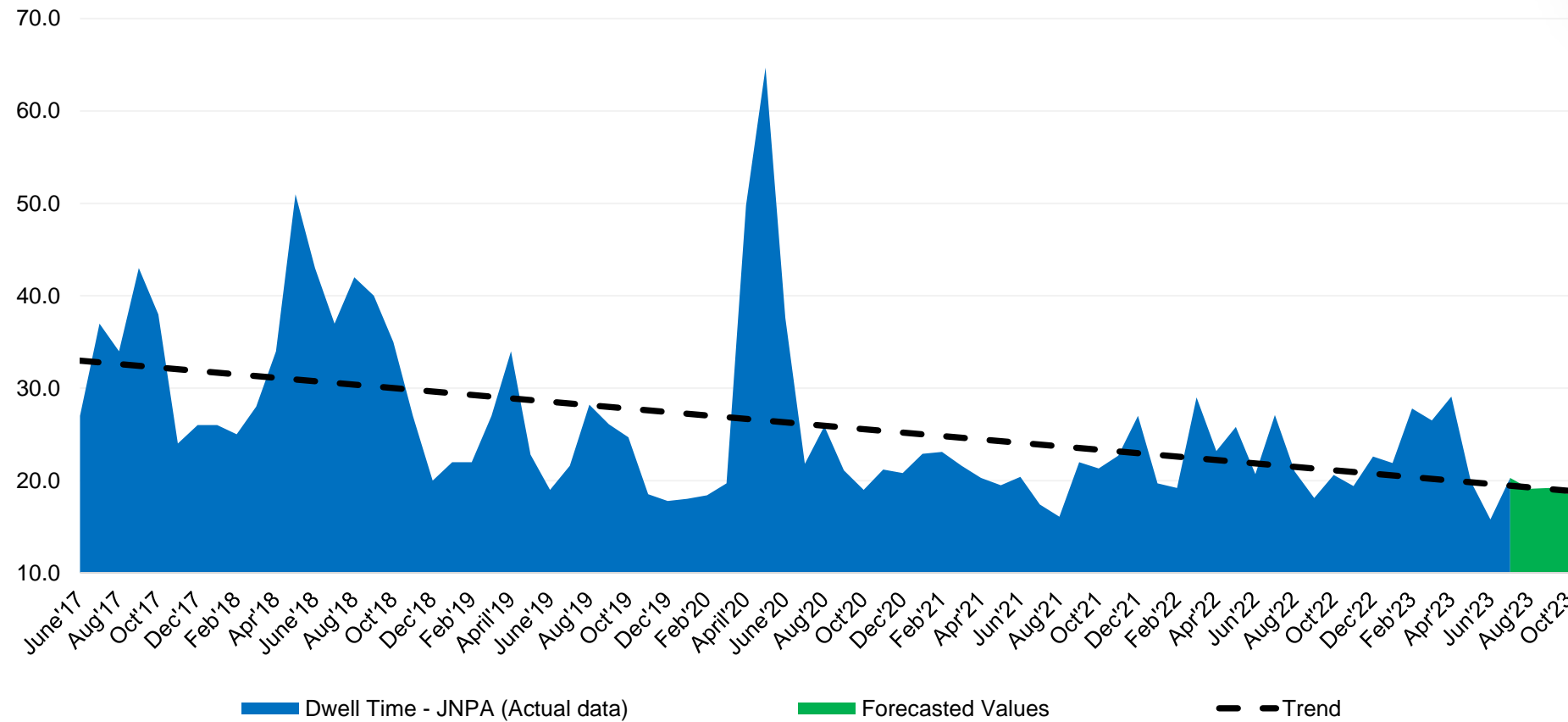
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Jul'23 - in hrs)			Compared to Jun'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.3	28.5%	↓
	Port Dwell Time for Truck Bound Containers	17.5	26.8%	↓
	Port Dwell time for Train Bound Containers	52.3	36.2%	↓
	Port Dwell time Direct Port Delivery (DPD) containers	24.9	3.1%	↑
	Port Dwell time Containers bound for CFS	17.0	32.8%	↓
	Port Dwell for Empty Containers	29.5	36.6%	↓
	Port Dwell for Laden Containers	19.4	26.8%	↓
TRANSIT TIME	Port to ICD	111.0	3.7%	↓
	Port to CFS	2.46	4.7%	↓

EXPORT CYCLE DWELL TIME (Jul'23- in hrs)			Compared to Jun'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	71.8	0.1%	↑
	Port Dwell Time for Truck Bound Containers	70.2	0.6%	↓
	Port Dwell time for Train Bound Containers	85.0	4.0%	↑
	Port Dwell time Direct Port Entry (DPE) containers	73.8	2.9%	↓
	Port Dwell time Containers bound from CFS	68.2	9.1%	↑
	Port Dwell for Empty Containers	61.6	5.1%	↑
	Port Dwell for Laden Containers	76.3	2.4%	↓
TRANSIT TIME	ICD to Port	105.3	6.1%	↑
	CFS to Port	4.57	9.3%	↓

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

JNPA Port – Import Cycle



Observation

Import Cycle

- JNPA dwell time prediction is based on import dwell time i.e. for import bound containers.
- 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 minima in Oct'23.



Month	Actual Dwell Time (in hours)	Forecasted Dwell Time (in hours)
May'23	19.9	26.2
Jun'23	15.8	19.6
Jul'23	20.3	18.8
Aug'23	-	19.1
Sep'23	-	19.2
Oct'23	-	18.5

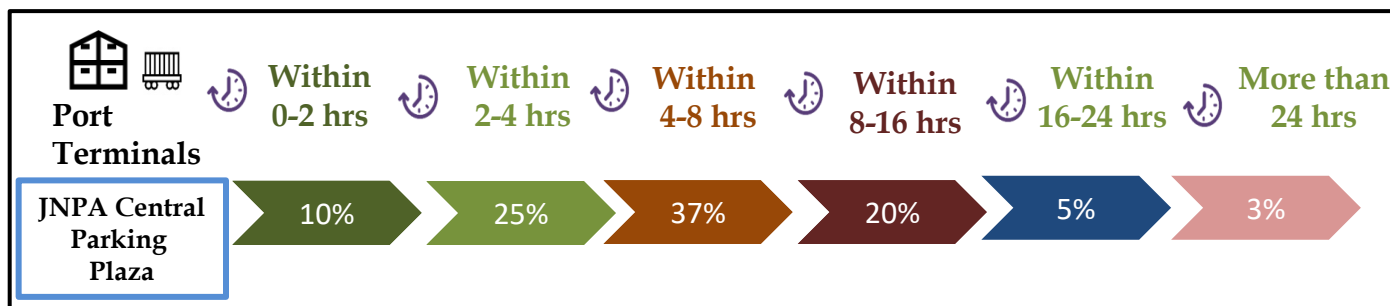
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Jun'23 (in hrs)	Jul'23 (in hrs)
Overall Parking Plaza	5.10	5.32

Container Handled: Day wise (Jul'23)



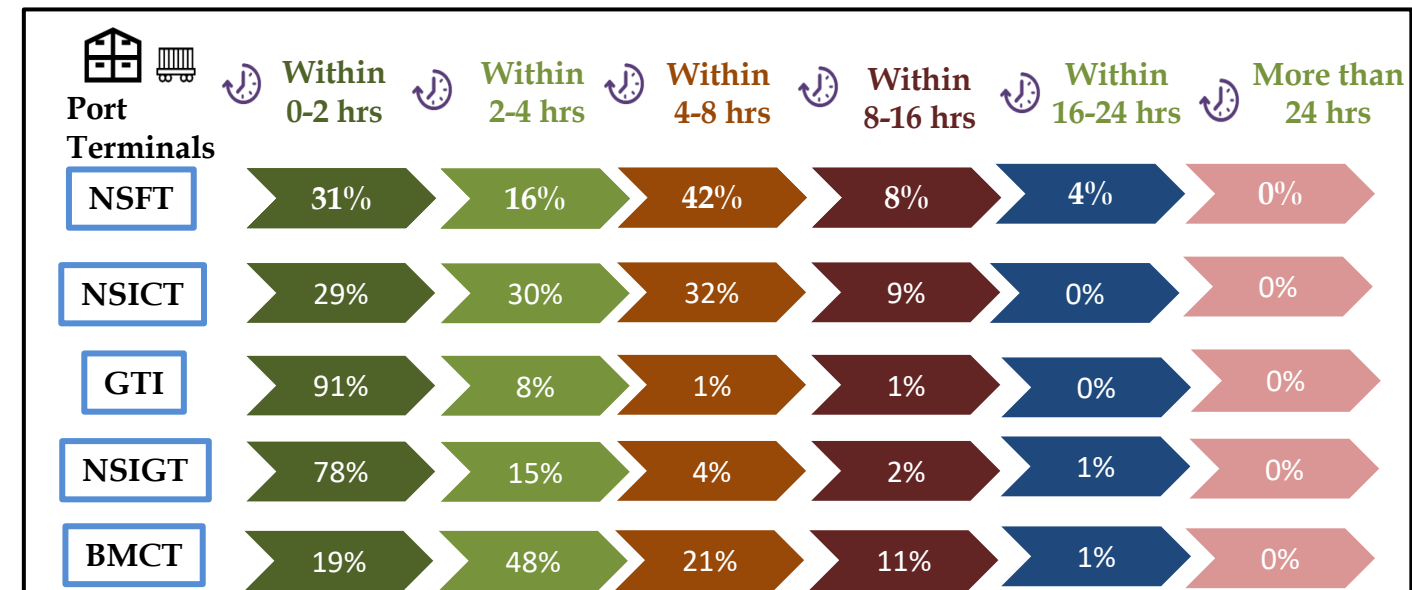
Parking Plaza Gate Out - Terminal In



Mode	Jun'23 (in hrs)	Jul'23 (in hrs)
Overall Parking Plaza to JNPA Port	2.18	2.00

Port	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	2.0	4.6
NSICT	3.3	3.1
GTI	0.5	1.0
NSIGT	1.3	0.8
BMCT	3.7	2.9

Container Handled: Day wise (Jul'23)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra	
Jun'23	Jul'23
81.0 hrs	83.8 hrs

Low Performing CFS

Adani CFS, Hazira	
Jun'23	Jul'23
101.7 hrs	126.5 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

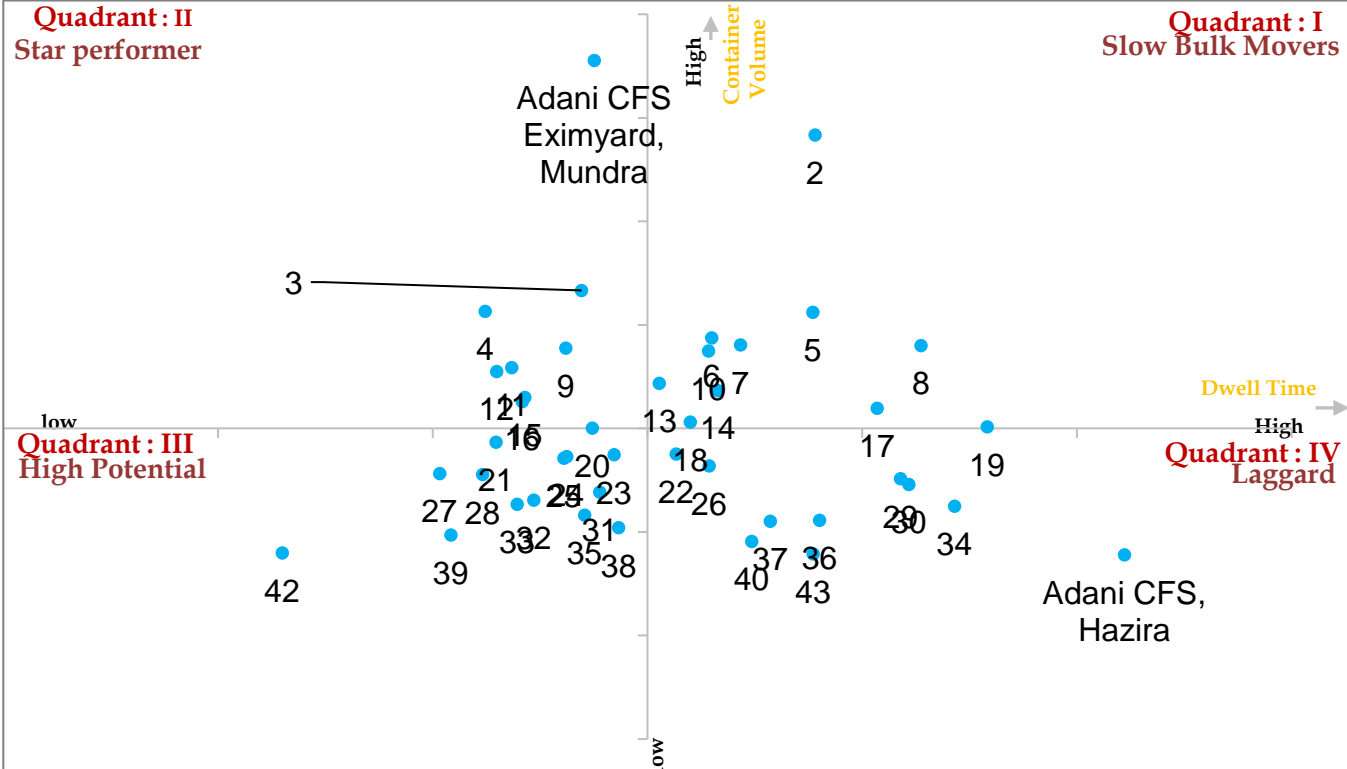
Top Performing ICD

Continental Warehousing Corporation Nhava Sheva Pvt.	
Jun'23	Jul'23
100.2 hrs	110.5 hrs

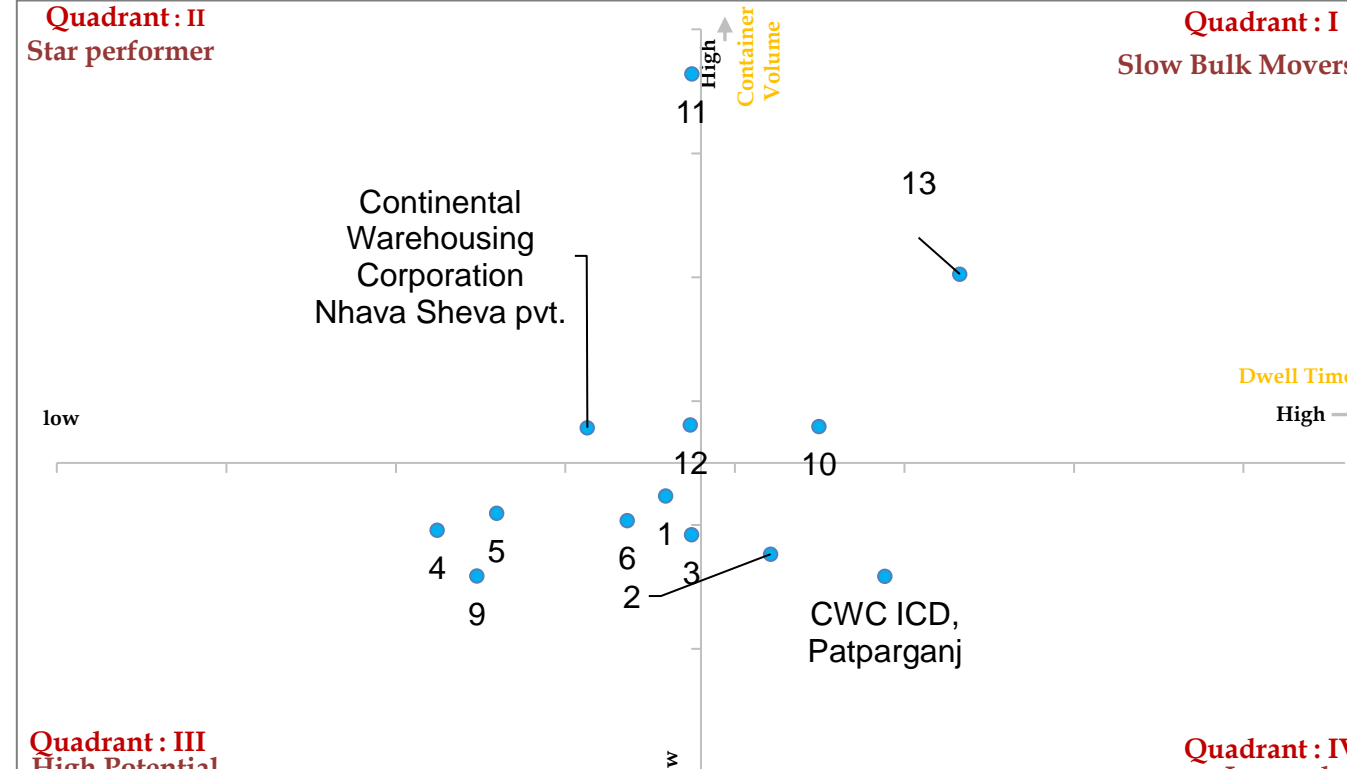
Low Performing ICD

CWC ICD, Patparganj	
Jun'23	Jul'23
141.0 hrs	132.0 hrs

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 port for truck and train bound containers in import cycle

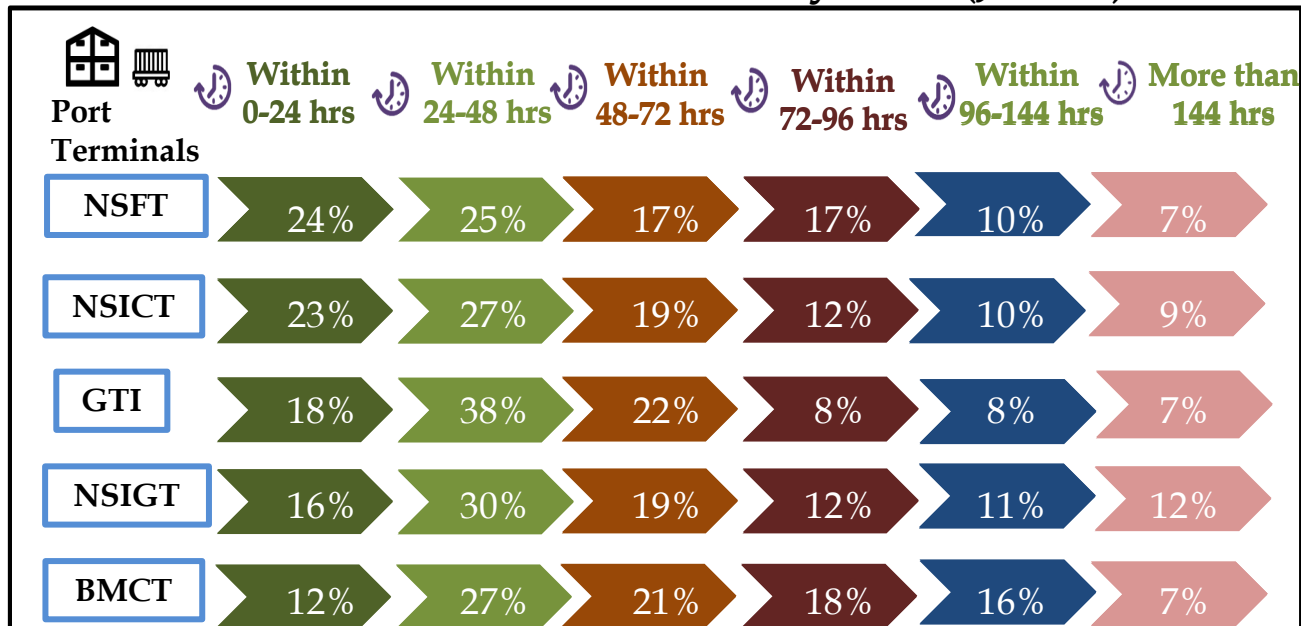
PORT IMPORT via TRAIN

(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	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	40.7	49.1
NSICT	28.8	49.6
GTI	41.8	43.7
NSIGT	40.7	50.9
BMCT	36.6	60.3

Container Handled: Day wise (Jul'23)



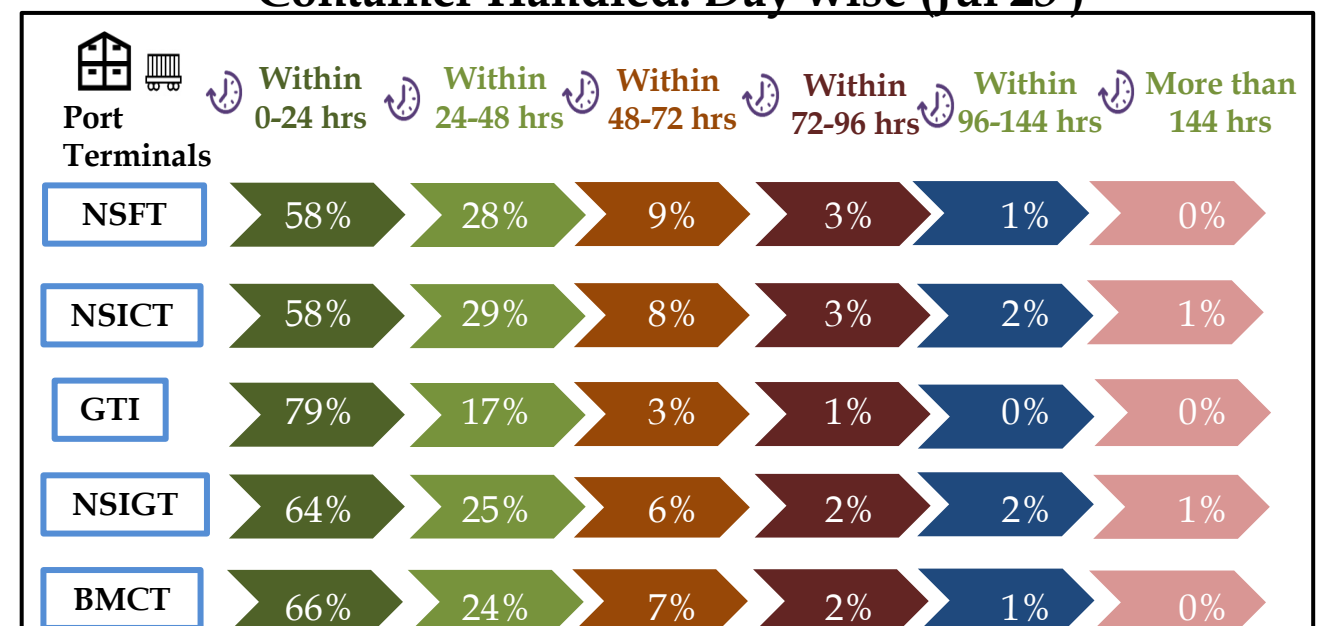
PORT IMPORT via TRUCK

(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	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	18.2	20.6
NSICT	15.1	20.6
GTI	11.2	13.5
NSIGT	14.5	18.5
BMCT	14.2	18.1

Container Handled: Day wise (Jul'23)



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

NSFT		
Port Dwell time based on transit type		
Jun'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	22.8 hrs	20.0 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	21.4 hrs	30.9 hrs

GTI		
Port Dwell time based on transit type		
Jun'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.8 hrs	13.3 hrs
Port Dwell time based on transit type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	15.0 hrs	28.7 hrs

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

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

NSICT		
Port Dwell time based on transit type		
Jun'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	49.9 hrs	20.3 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	21.7 hrs	26.1 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	58.7 hrs	17.6 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	21.7 hrs	28.6 hrs

BMCT		
Port Dwell time based on transit type		
Jun'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	25.2 hrs	18.0 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	20.6 hrs	34.8 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPA Area
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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 (Red arrow)
- Medium Congestion (Brown line)
- Low Congestion (Pink line)
- Cluster with bottleneck (Red star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

NSFT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

BMCT Terminal

Congestion Level
Import Cycle :- [Red bar]

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

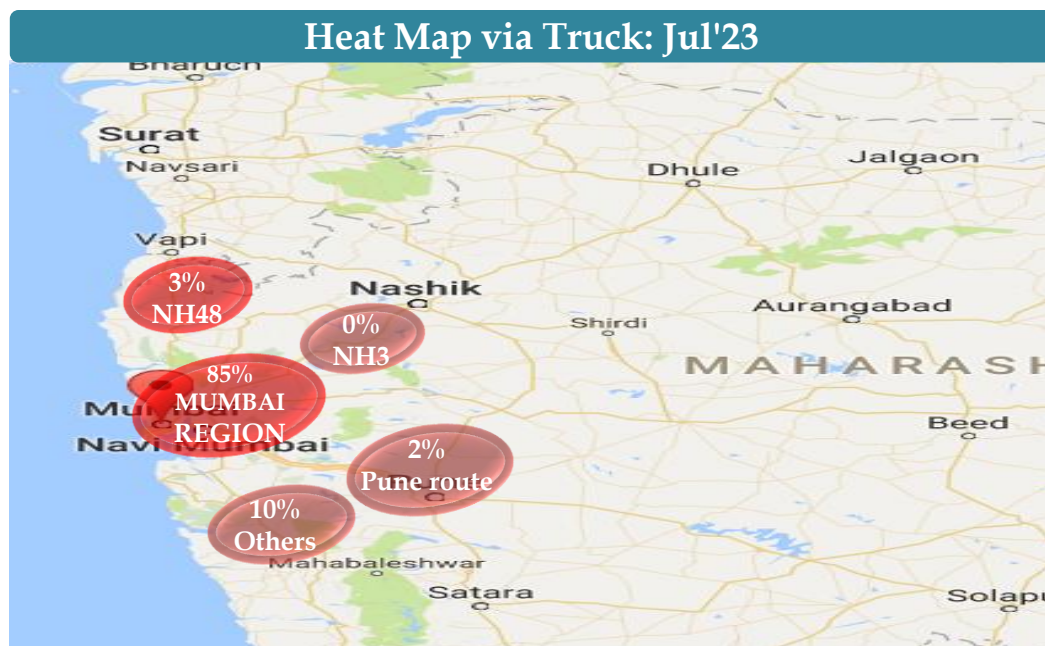
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Jul'23
Mumbai region	85%
NH3	0%
Pune	2%
NH48	3%
Others	10%

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

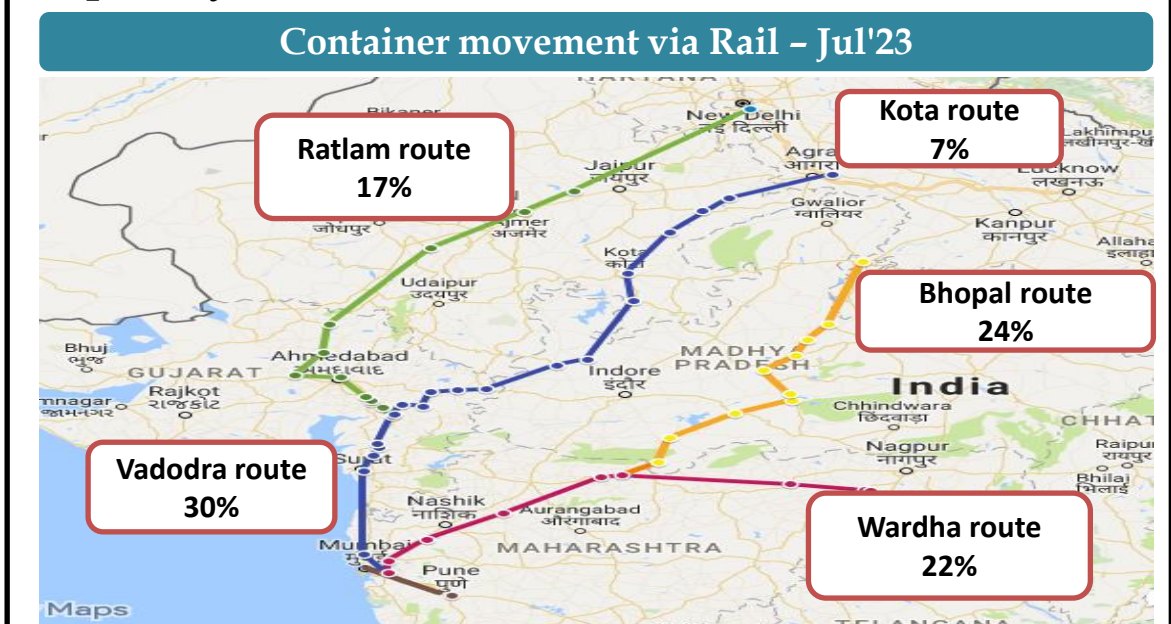


Train

VOLUME WISE CONTAINER MOVEMENT

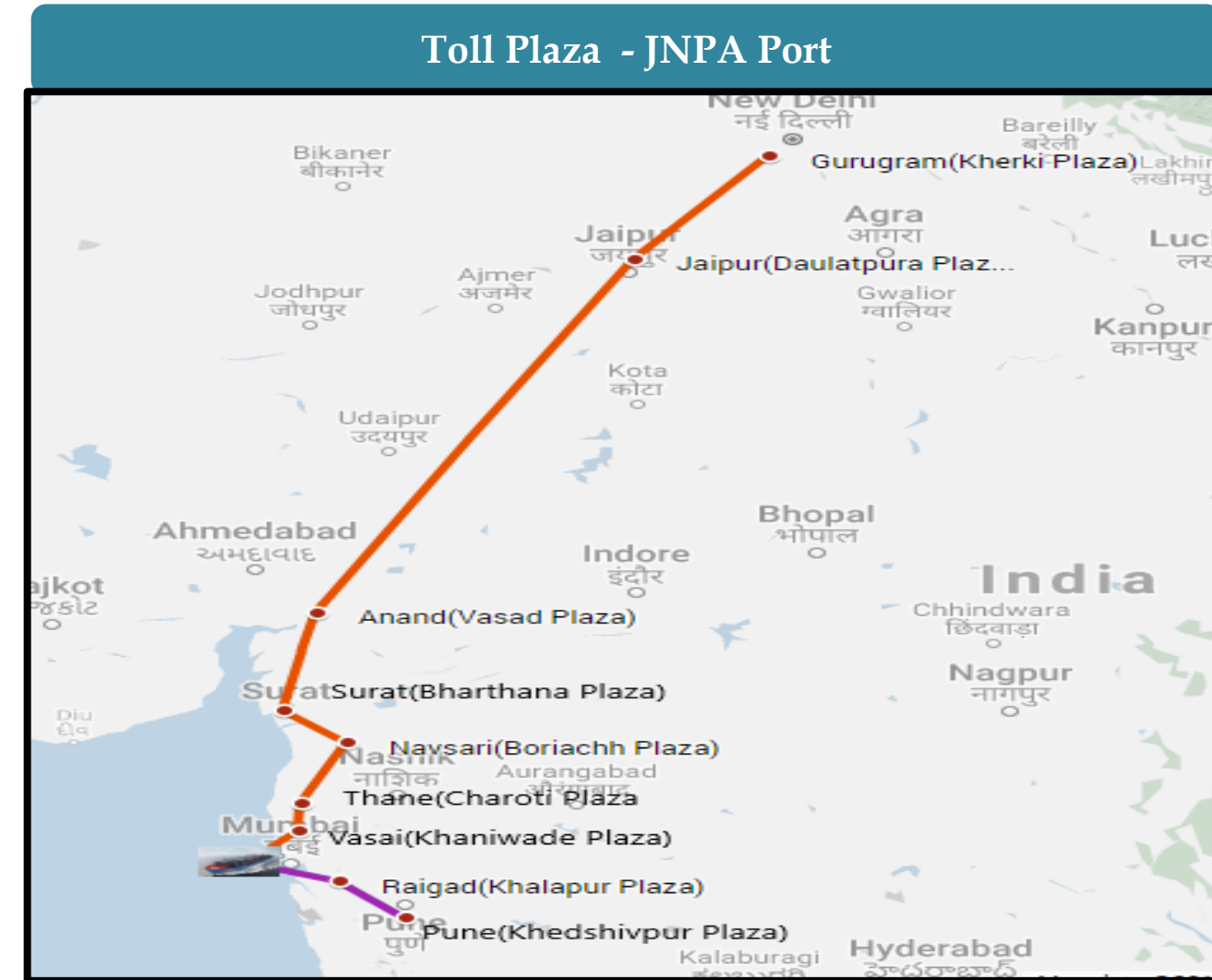
Region	Jul'23
Vadodra Route	30%
Ratlam Route	17%
Wardha Route	22%
Kota Route	7%
Bhopal Route	24%

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



Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Jun'23 (in km/hrs)	Jul'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	13.6	10.9
	JNPA	Khalapur	60	2.6	19.6
	Khaniwade	Charoti	50	37.8	39.4
	Charoti	Boriach	126	22.9	21.1
	Boriach	Bharthan	142	31.1	29.9
	Bharthan	Vasad	60	35.9	36.0
	Khalalpur	Khedshivpur	105	31.2	31.8



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

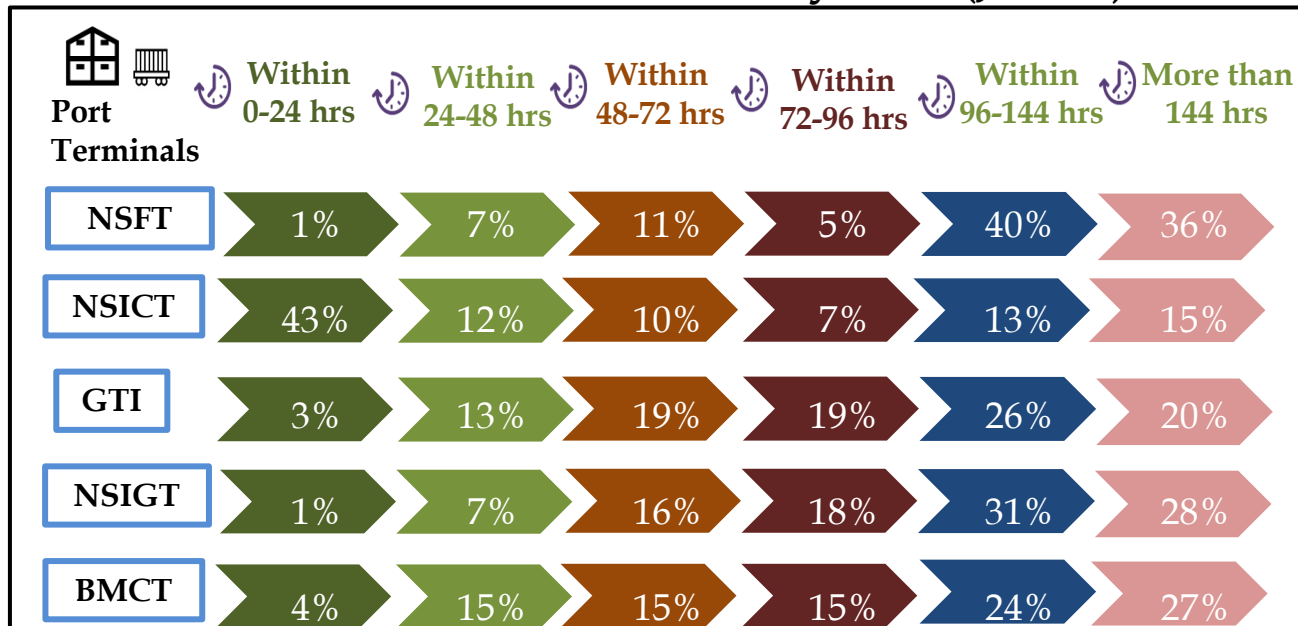
PORT EXPORT via TRAIN

(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	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	76.3	130.1
NSICT	24.0	34.2
GTI	105.0	90.6
NSIGT	112.2	108.5
BMCT	100.2	96.6

Container Handled: Day wise (Jul'23)



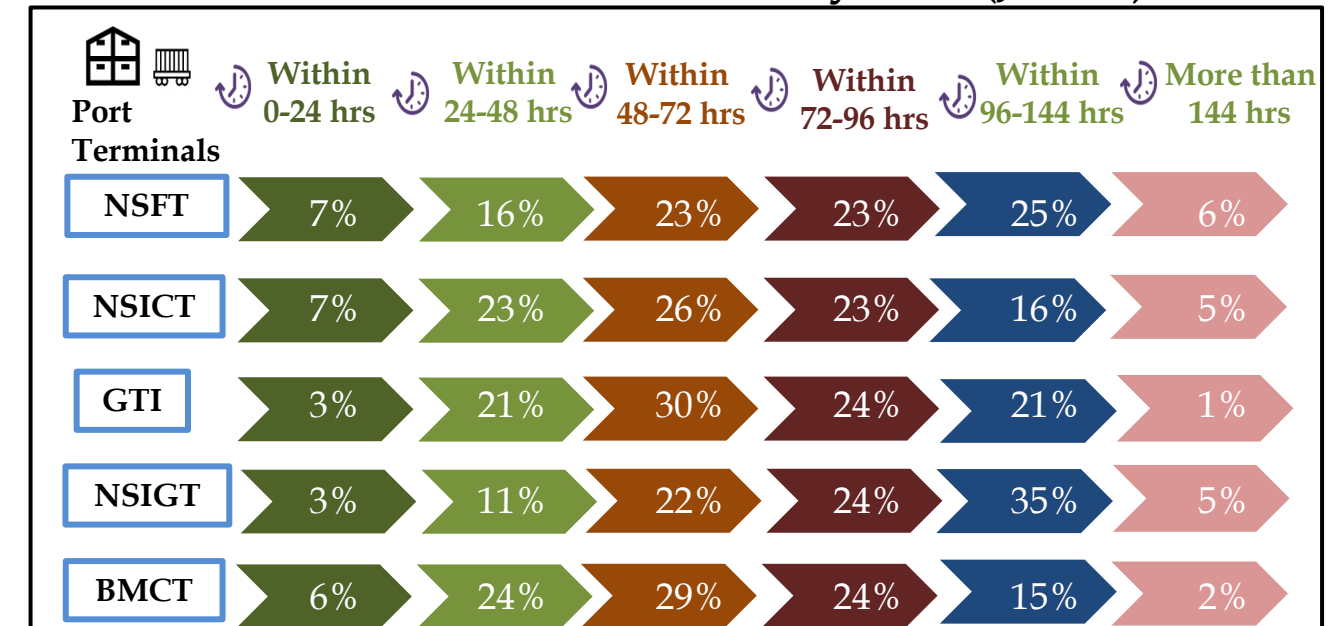
PORT EXPORT via TRUCK

(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	Jun'23 (in hrs)	Jul'23 (in hrs)
NSFT	73.8	75.5
NSICT	64.2	66.6
GTI	70.3	68.7
NSIGT	81.4	86.5
BMCT	66.0	64.6

Container Handled: Day wise (Jul'23)



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

NSFT		
Port Dwell time based on transit type		
Jun'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	86.7 hrs	74.7 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	82.2 hrs	62.2 hrs

GTI		
Port Dwell time based on transit type		
Jun'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	70.4 hrs	67.7 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	73.9 hrs	65.7 hrs

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

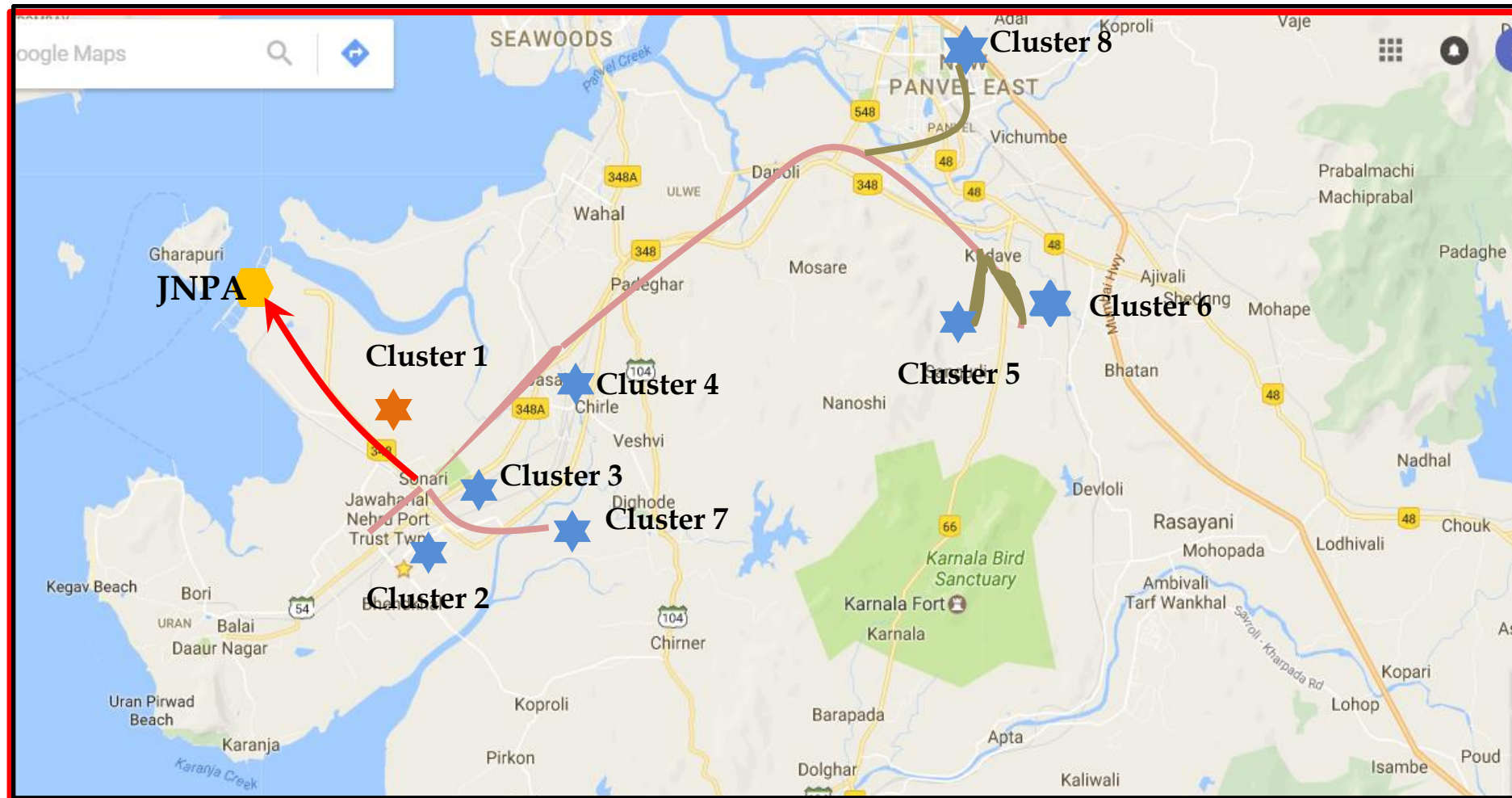
NSICT		
Port Dwell time based on transit type		
Jun'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	62.3 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	62.5 hrs	58.3 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	82.0 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	92.2 hrs	66.5 hrs

BMCT		
Port Dwell time based on transit type		
Jun'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	62.7 hrs
Port Dwell time based on container type		
Jun'23	Laden Containers	Empty Containers
Dwell time (in hrs)	73.0 hrs	59.4 hrs

JNPA Region: Congestion Analysis (Export Cycle)

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

Congestion Level
Export Cycle :-

NSFT Terminal

Congestion Level
Export Cycle :-

NSICT Terminal

Congestion Level
Export Cycle :-

NSIGT Terminal

Congestion Level
Export Cycle :-

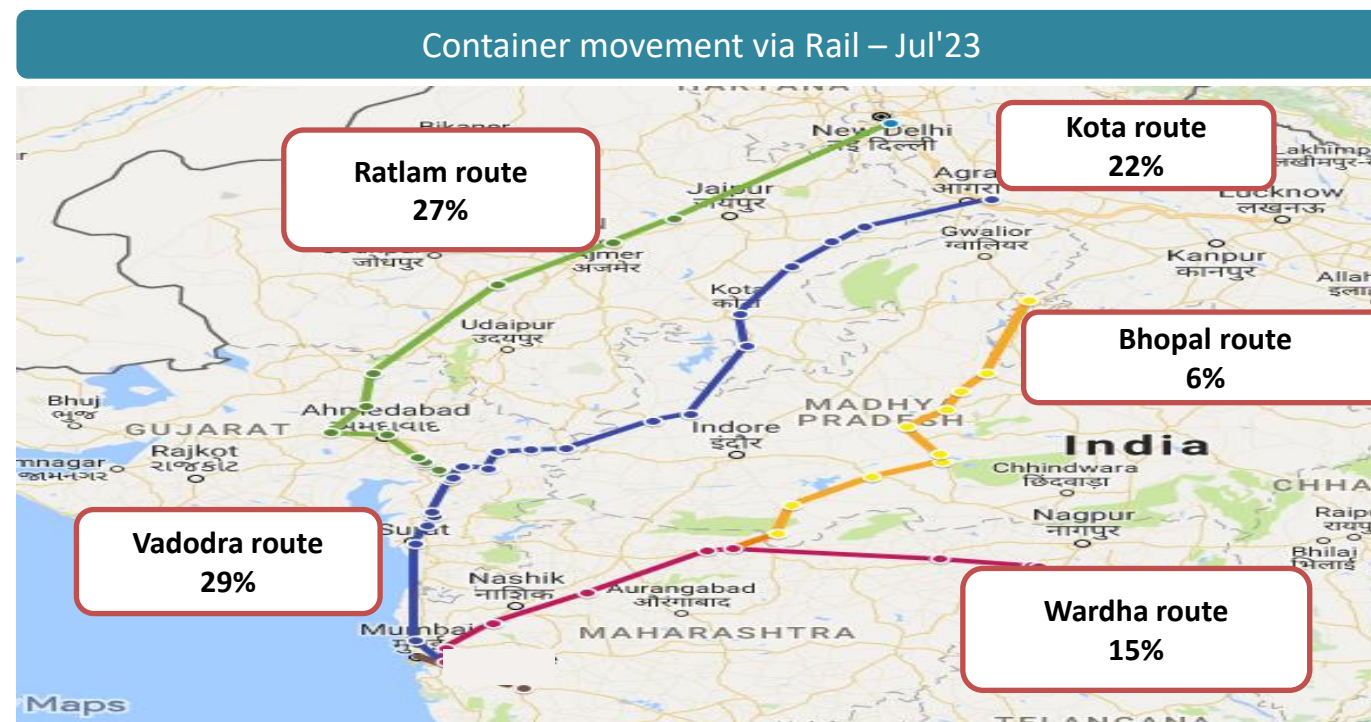
BMCT Terminal

Congestion Level
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 Port	
Route	Percentage of Container Movement
Vadodra Route	29%
Ratlam Route	27%
Wardha Route	15%
Kota Route	22%
Bhopal Route	6%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

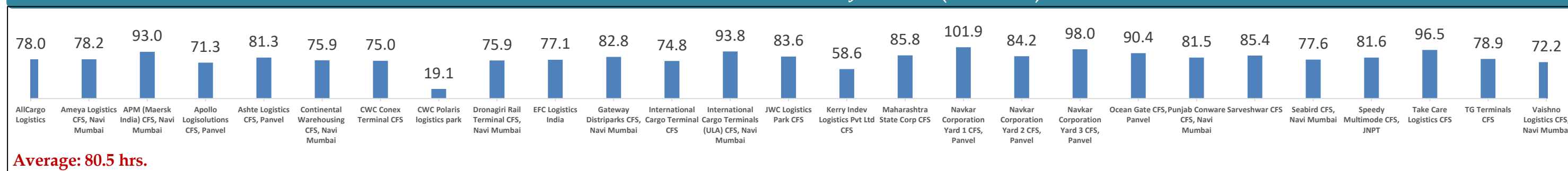
Below table and graphs show the dwell time of the respective CFSs for the month of Jul'23

CFS Dwell Time (in hrs.)

CFS	Jun'23 (in hrs)	Jul'23 (in hrs)
AllCargo Logistics	72.2	78.0
Ameya Logistics CFS, Navi Mumbai	72.7	78.2
APM (Maersk India) CFS, Navi Mumbai	99.3	93.0
Apollo Logisolutions CFS, Panvel	81.4	71.3
Ashte Logistics CFS, Panvel	83.7	81.3
Continental Warehousing CFS, Navi Mumbai	73.7	75.9
CWC Conex Terminal CFS	70.5	75.0
CWC Polaris logistics park	24.8	19.1
Dronagiri Rail Terminal CFS, Navi Mumbai	66.5	75.9
EFC Logistics India	74.1	77.1
Gateway Distriparks CFS, Navi Mumbai	75.8	82.8
International Cargo Terminal CFS	71.4	74.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	84.2	93.8
JWC Logistics Park CFS	74.7	83.6

CFS	Jun'23 (in hrs)	Jul'23 (in hrs)
Kerry Indev Logistics Pvt Ltd CFS	91.4	58.6
Maharashtra State Corp CFS	79.4	85.8
Navkar Corporation Yard 1 CFS, Panvel	84.1	101.9
Navkar Corporation Yard 2 CFS, Panvel	85.7	84.2
Navkar Corporation Yard 3 CFS, Panvel	83.1	98.0
Ocean Gate CFS, Panvel	87.1	90.4
Punjab Conware CFS, Navi Mumbai	68.9	81.5
Sarveshwar CFS	87.5	85.4
Seabird CFS, Navi Mumbai	66.7	77.6
Speedy Multimode CFS, JNPT	71.3	81.6
Take Care Logistics CFS	89.1	96.5
TG Terminals CFS	74.4	78.9
Vaishno Logistics CFS, Navi Mumbai	74.2	72.2

CFS - DWELL OVERVIEW - JUL'23 (IN HRS)

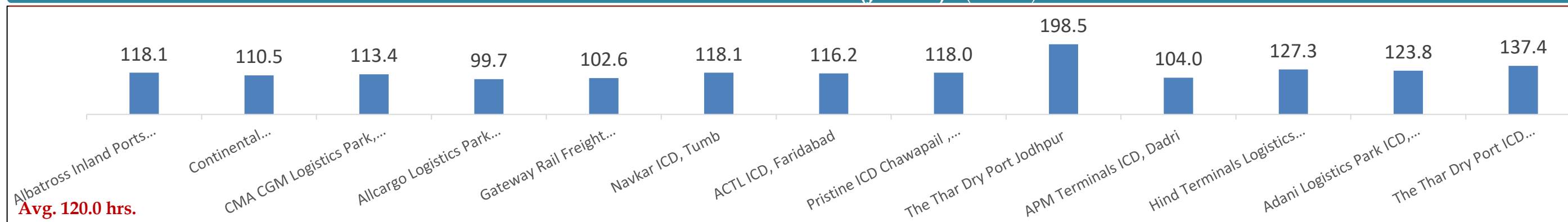


ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Jun'23 (in hrs)	Jul'23 (in hrs)
Albatross Inland Ports ICD, Dadri	96.7	118.1
Continental Warehousing Corporation Nhava Sheva pvt.	100.2	110.5
CMA CGM Logistics Park, Dadri	101.8	113.4
Allcargo Logistics Park ICD, Dadri	104.2	99.7
Gateway Rail Freight ICD, Gurgaon	106.3	102.6
Navkar ICD, Tumb	113.5	118.1
ACTL ICD, Faridabad	125.6	116.2
Pristine ICD Chawapail , Ludhiana	131.8	118.0
The Thar Dry Port Jodhpur	132.7	198.5
APM Terminals ICD, Dadri	140.6	104.0
Hind Terminals Logistics Park ICD, Palwal	151.2	127.3
Adani Logistics Park ICD, Gurgaon	158.2	123.8
The Thar Dry Port ICD Ahmedabad	167.5	137.4

ICD - DWELL OVERVIEW (JUL'23) (In Hrs)

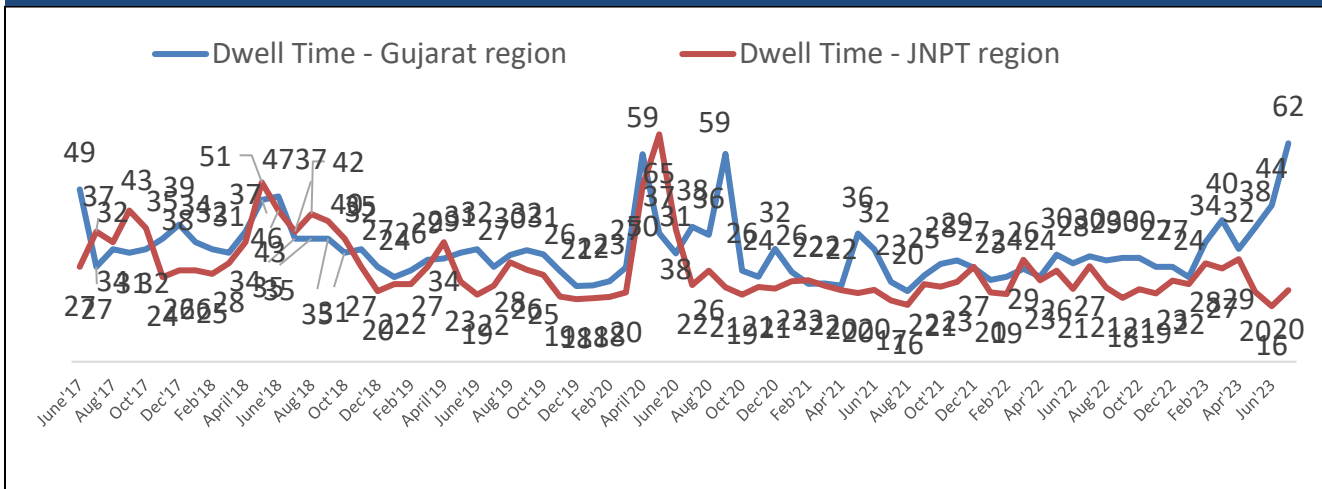


Trend Analysis

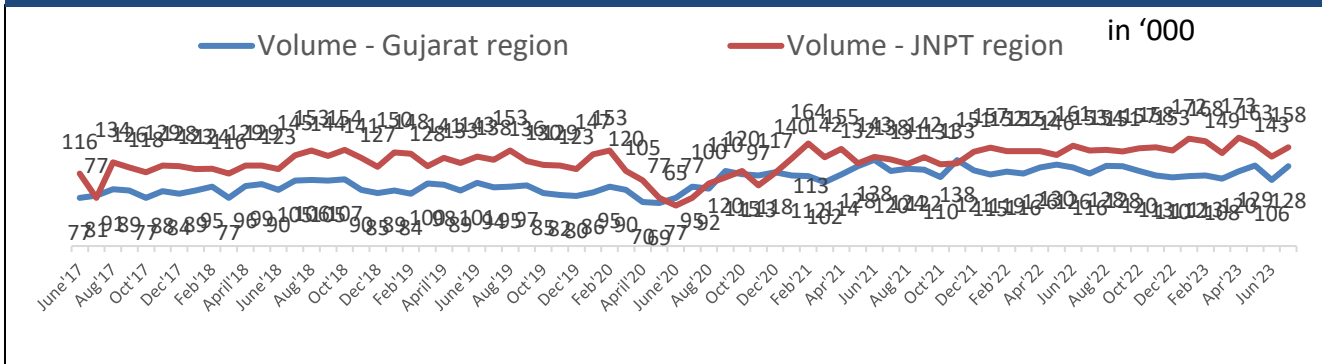
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Jul'23

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



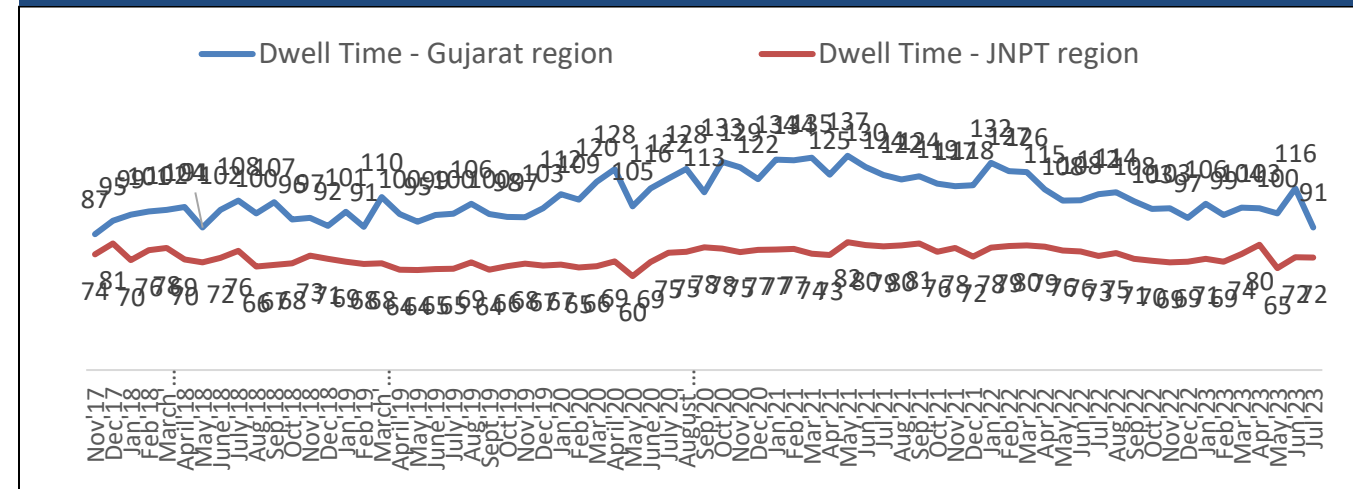
Volume – Mundra Region Vs JNPA Region



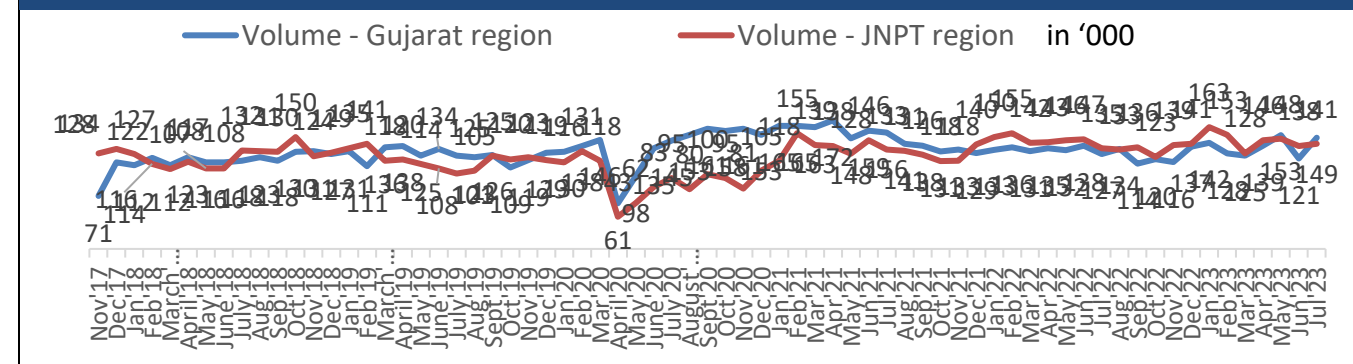
In Import cycle, for the month of Jul'23 Mundra port has catered 19.1% less volume than JNPA Port, and has performed with 205.9% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

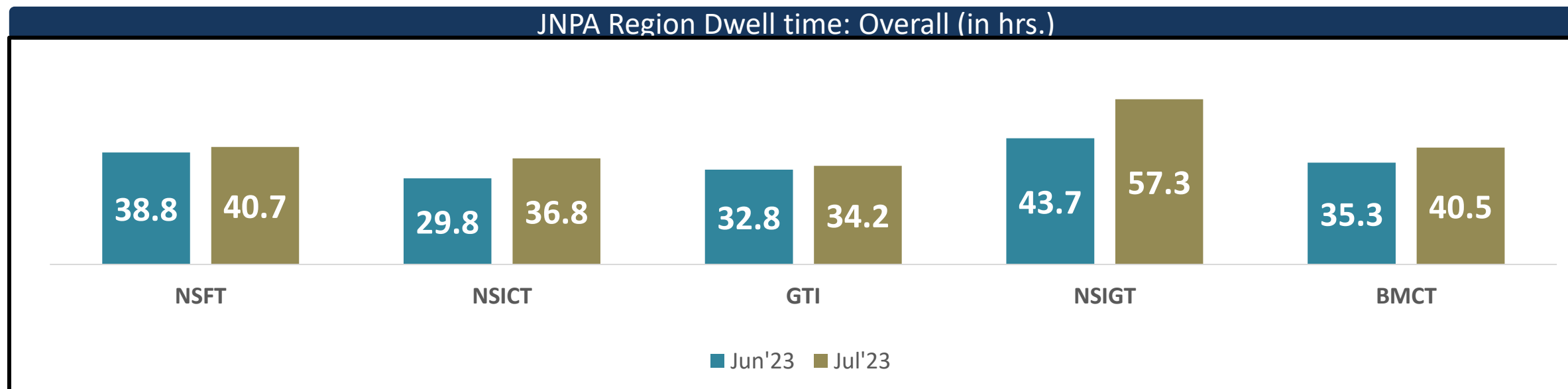


In Export cycle, for the month Jul'23 JNPA port catered 5.6% lower volume than Mundra Port, and has maintained 21.1% lower dwell time than Mundra Port

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



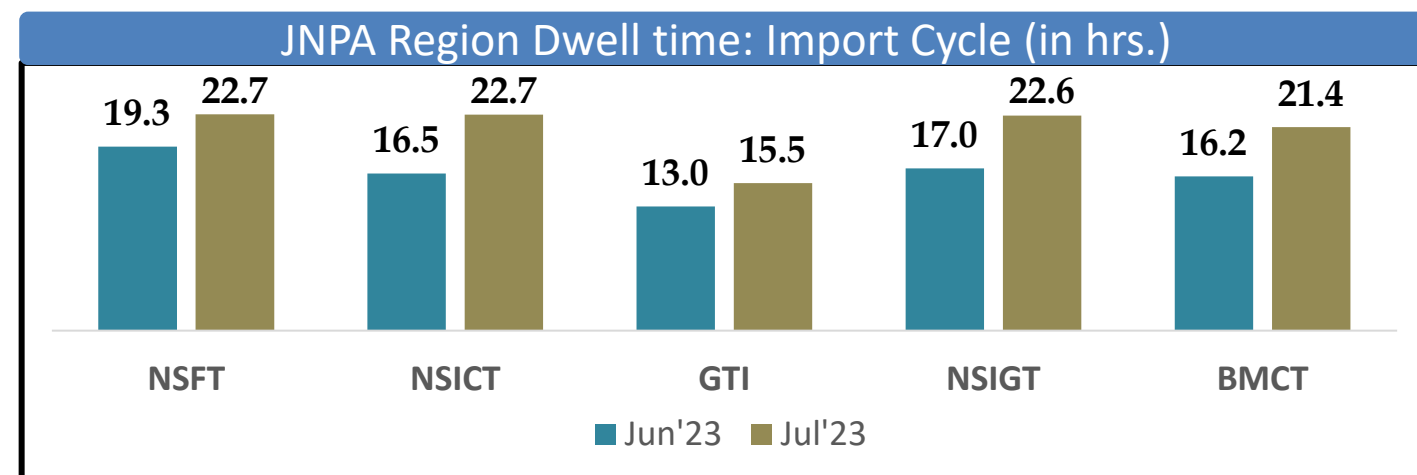
The overall JNPA region average dwell time for Jul'23 is 40.7 hrs as compared to 35.1 hrs in Jun'23

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



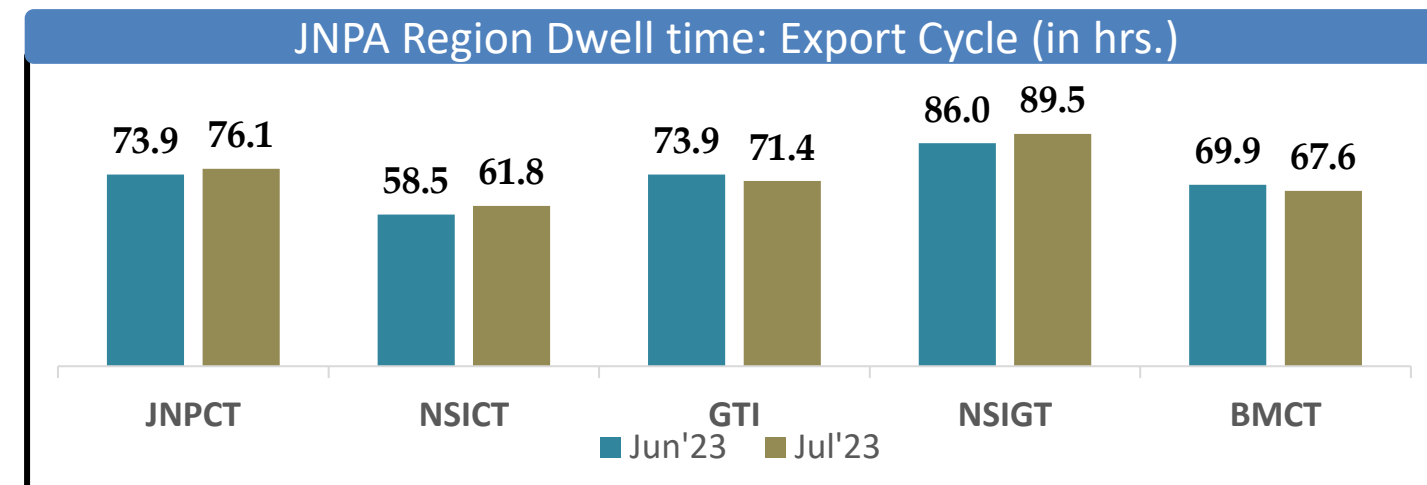
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Jul'23 is 20.3 hrs.



JNPA Export cycle Trend

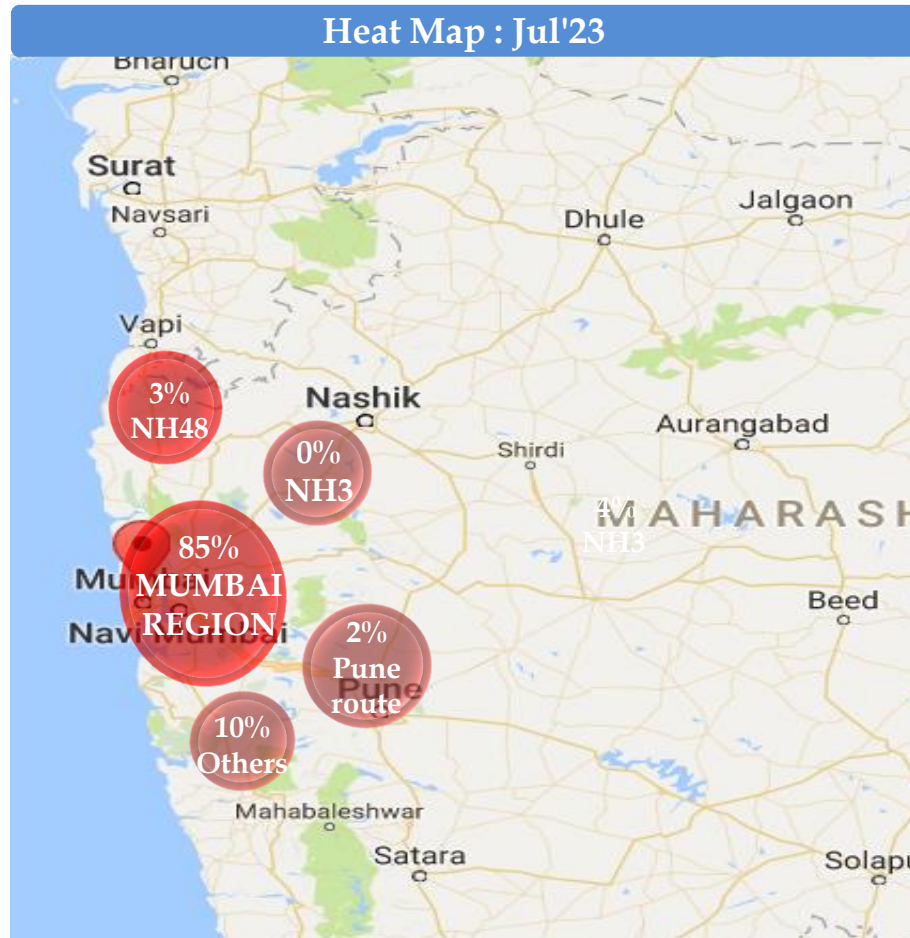
The average export cycle dwell time of JNPA region port terminals for Jul'23 is 71.8 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

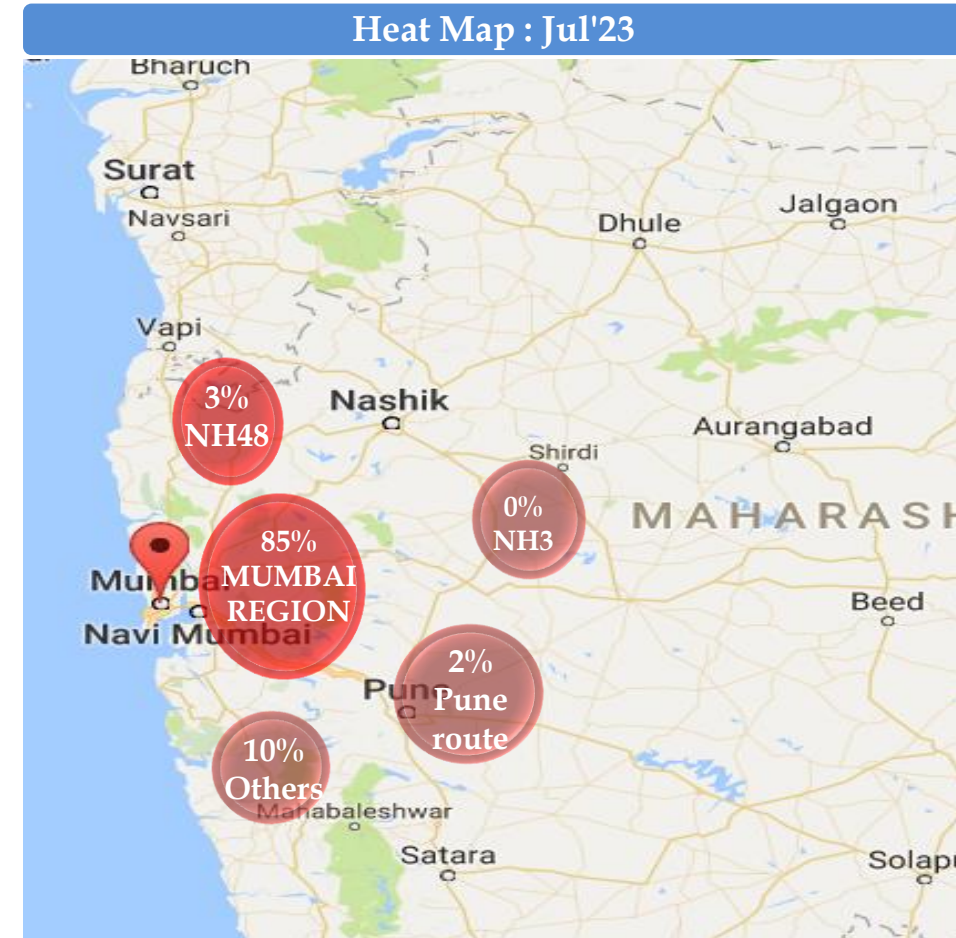
HEAT MAP : GTI Port Terminal



Region	Jun'23	Jul'23
Mumbai region	79%	85%
NH3	0%	0%
Pune	2%	2%
NH48	8%	3%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

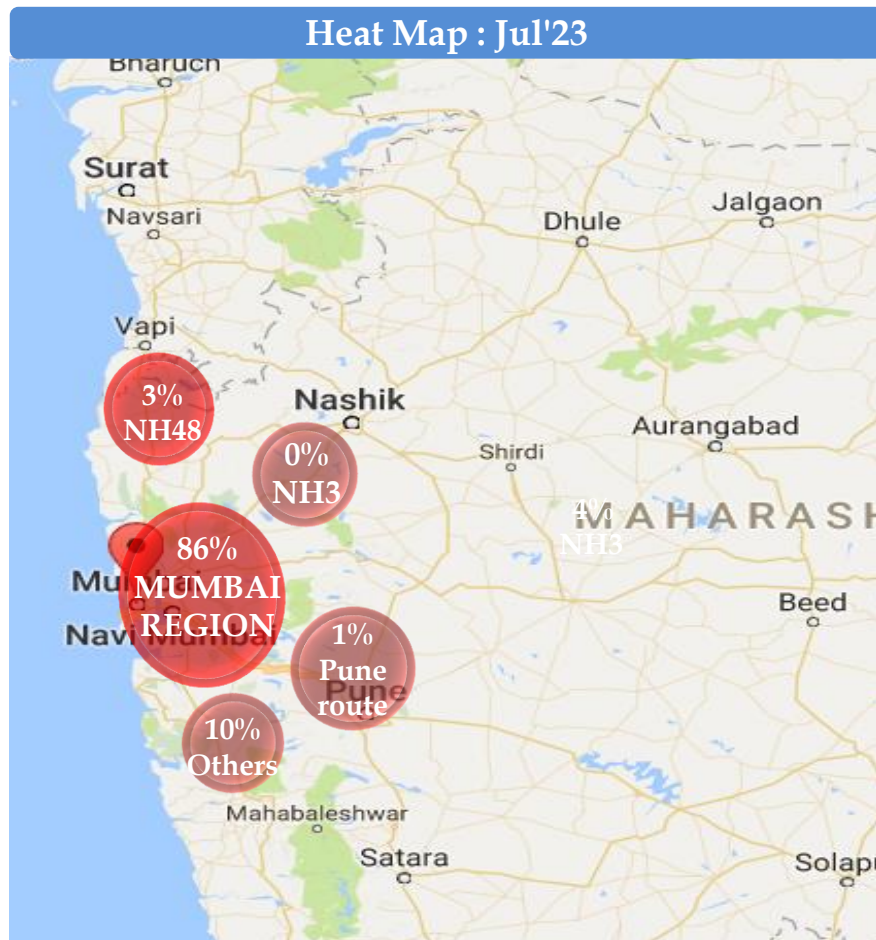


Region	Jun'23	Jul'23
Mumbai region	80%	85%
NH3	0%	0%
Pune	2%	2%
NH48	7%	3%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

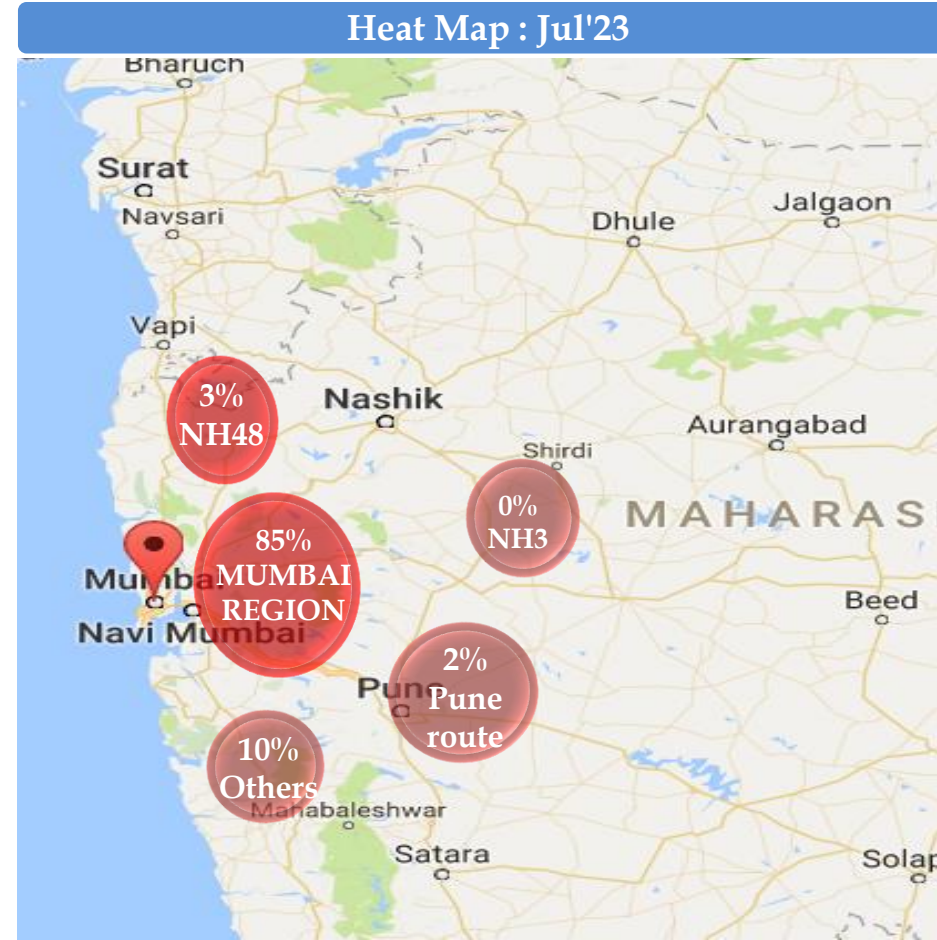
HEAT MAP : NSIGT Port Terminal



Region	Jun'23	Jul'23
Mumbai region	86%	86%
NH3	0%	0%
Pune	1%	1%
NH48	3%	3%
others	10%	10%

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

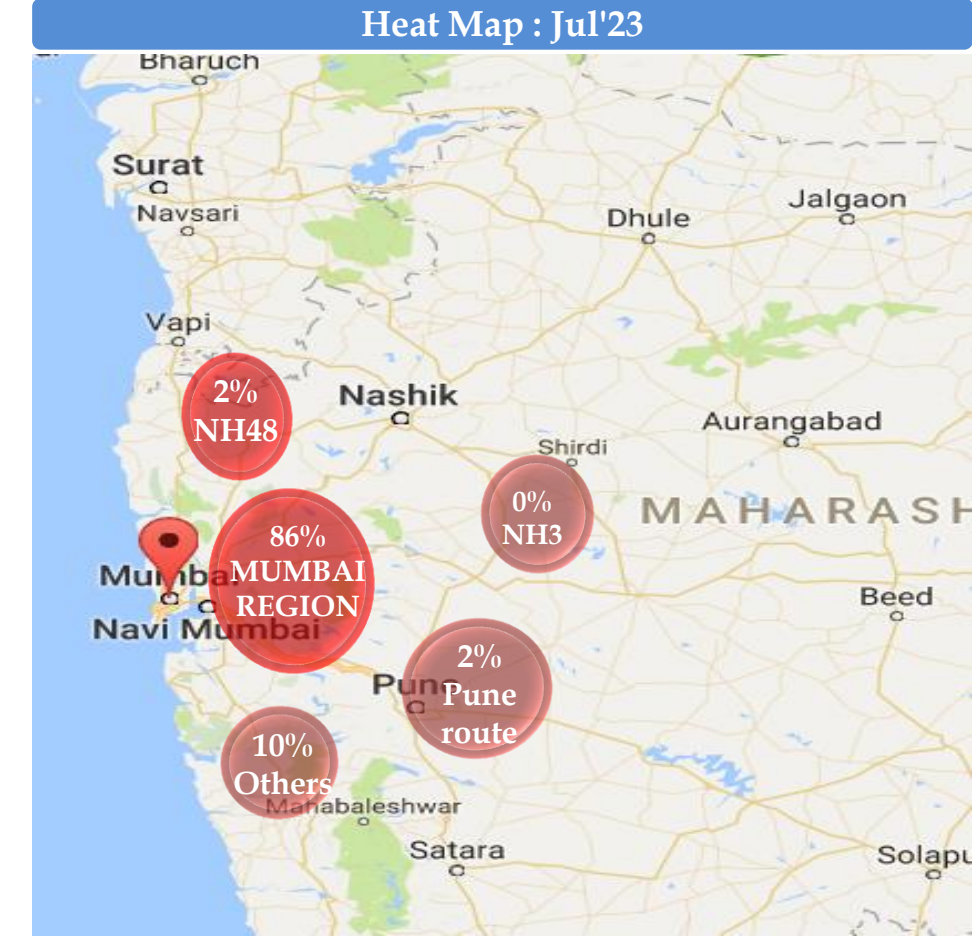
HEAT MAP : NSICT Port Terminal



Region	Jun'23	Jul'23
Mumbai region	83%	85%
NH3	0%	0%
Pune	1%	2%
NH48	6%	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	Jun'23	Jul'23
Mumbai region	84%	86%
NH3	0%	0%
Pune	1%	2%
NH48	4%	2%
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) - Jul'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	4.8	2.5	3.3	4.6	10.1
Punjab Conware CFS, Navi Mumbai	4.6	8.1	6.8	3.3	5.8
JWC Logistics Park CFS	7.2	7.2	3.7	7.1	-
Dronagiri Rail Terminal CFS, Navi Mumbai	4.6	1.5	4.2	1.5	5.7
Navkar Corporation Yard 2 CFS, Panvel	4.9	-	7.9	2.0	10.2
Vaishno Logistics CFS, Navi Mumbai	-	-	-	12.7	-
Speedy Multimode CFS, JNPT	1.3	1.0	2.9	2.4	6.8
Navkar Corporation Yard 3 CFS, Panvel	1.5	3.4	3.3	4.3	7.9
Ashte Logistics CFS, Panvel	2.2	-	-	1.8	4.9
Continental Warehousing CFS, Navi Mumbai	1.3	-	1.1	2.8	8.7
SBW Logistics CFS, Navi Mumbai	-	3.9	-	-	12.9
Maharashtra State Corp CFS	-	-	5.1	4.3	-
International Cargo Terminal CFS	-	-	-	3.5	10.3
Seabird CFS, Navi Mumbai	18.6	1.2	2.8	3.3	3.9
Apollo Logisolutions CFS, Panvel	11.9	1.4	3.4	4.5	6.8
Ameya Logistics CFS, Navi Mumbai	1.7	-	2.9	4.8	7.3
AllCargo Logistics	-	-	-	-	6.7
Ocean Gate CFS, Panvel	3.7	2.5	3.8	3.4	8.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	4.1	-	8.1	2.4	5.2
Kerry Indev Logistics Pvt Ltd CFS	-	2.4	-	1.8	-
APM (Maersk India) CFS, Navi Mumbai	-	1.3	4.1	1.2	7.3

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) - Jul'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.9	2.6	2.9	2.3	2.5
APM (Maersk India) CFS, Navi Mumbai	2.3	2.6	2.4	2.6	2.2
International Cargo Terminal CFS	1.5	1.5	1.6	1.5	1.6
Ameya Logistics CFS, Navi Mumbai	2.3	2.4	2.4	2.5	2.3
AllCargo Logistics	3.4	4.1	3.5	3.6	3.4
Kerry Indev Logistics Pvt Ltd CFS	2.0	3.2	2.5	2.5	2.4
Navkar Corporation Yard 3 CFS, Panvel	2.2	3.1	3.2	3.6	3.0
Seabird CFS, Navi Mumbai	2.4	2.6	2.8	2.4	2.4
Ashte Logistics CFS, Panvel	2.7	2.5	2.3	2.2	2.3
Continental Warehousing CFS, Navi Mumbai	1.8	2.2	2.0	1.6	1.5
Dronagiri Rail Terminal CFS, Navi Mumbai	2.5	15.7	9.8	5.5	1.5
Navkar Corporation Yard 1 CFS, Panvel	2.6	3.1	3.6	3.1	3.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4	2.8	2.2	2.1	2.0
Maersk Annex (APM)CFS, Navi Mumbai	4.1	2.2	2.6	1.6	2.2
Speedy Multimode CFS, JNPT	1.6	1.8	1.6	1.5	1.6
Apollo Logisolutions CFS, Panvel	5.6	4.0	4.4	3.8	3.5
Navkar Corporation Yard 2 CFS, Panvel	3.4	3.1	3.0	3.0	2.9
Punjab Conware CFS, Navi Mumbai	1.8	1.7	2.0	2.0	1.5
Vaishno Logistics CFS, Navi Mumbai	2.3	2.8	2.0	2.2	1.8
JWC Logistics Park CFS	2.8	2.7	2.4	2.5	2.2
SBW Logistics CFS, Navi Mumbai	5.8	4.3	4.2	2.9	3.4
Ocean Gate CFS, Panvel	2.7	2.9	3.1	2.8	2.9
Maharashtra State Corp CFS	1.5	2.6	1.8	2.1	1.8

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 Jul'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	1.0
Cluster 2	6	13	-	-
Cluster 3	6	11	2.6	1.3
Cluster 4	1	13	2.8	-
Cluster 5	2	25	2.8	4.8
Cluster 6	6	25	3.1	1.4
Cluster 7	4	12	2.4	0.0
Cluster 8	1	34	4.3	3.9

CFS Cluster : NSFT Terminal

NSFT terminal for month of Jul'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	1.3
Cluster 2	6	13	-	-
Cluster 3	6	11	2.1	4.6
Cluster 4	1	13	2.3	-
Cluster 5	2	25	2.8	5.5
Cluster 6	6	25	2.6	2.2
Cluster 7	4	12	2.3	1.3
Cluster 8	1	34	5.8	-

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**

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 Jul'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	2.9
Cluster 2	6	13	-	3.3
Cluster 3	6	11	2.4	4.6
Cluster 4	1	13	2.0	-
Cluster 5	2	25	2.7	3.7
Cluster 6	6	25	3.1	3.3
Cluster 7	4	12	2.4	1.1
Cluster 8	1	34	4.2	-

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Jul'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	1.5	2.4
Cluster 2	6	13	-	2.4
Cluster 3	6	11	2.0	3.3
Cluster 4	1	13	2.2	12.7
Cluster 5	2	25	2.6	5.3
Cluster 6	6	25	3.0	2.0
Cluster 7	4	12	2.5	2.8
Cluster 8	1	34	2.9	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Jul'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	6.8
Cluster 2	6	13	-	7.3
Cluster 3	6	11	2.0	4.8
Cluster 4	1	13	1.8	-
Cluster 5	2	25	2.5	4.4
Cluster 6	6	25	2.9	6.8
Cluster 7	4	12	2.3	7.3
Cluster 8	1	34	3.4	12.9

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**

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:

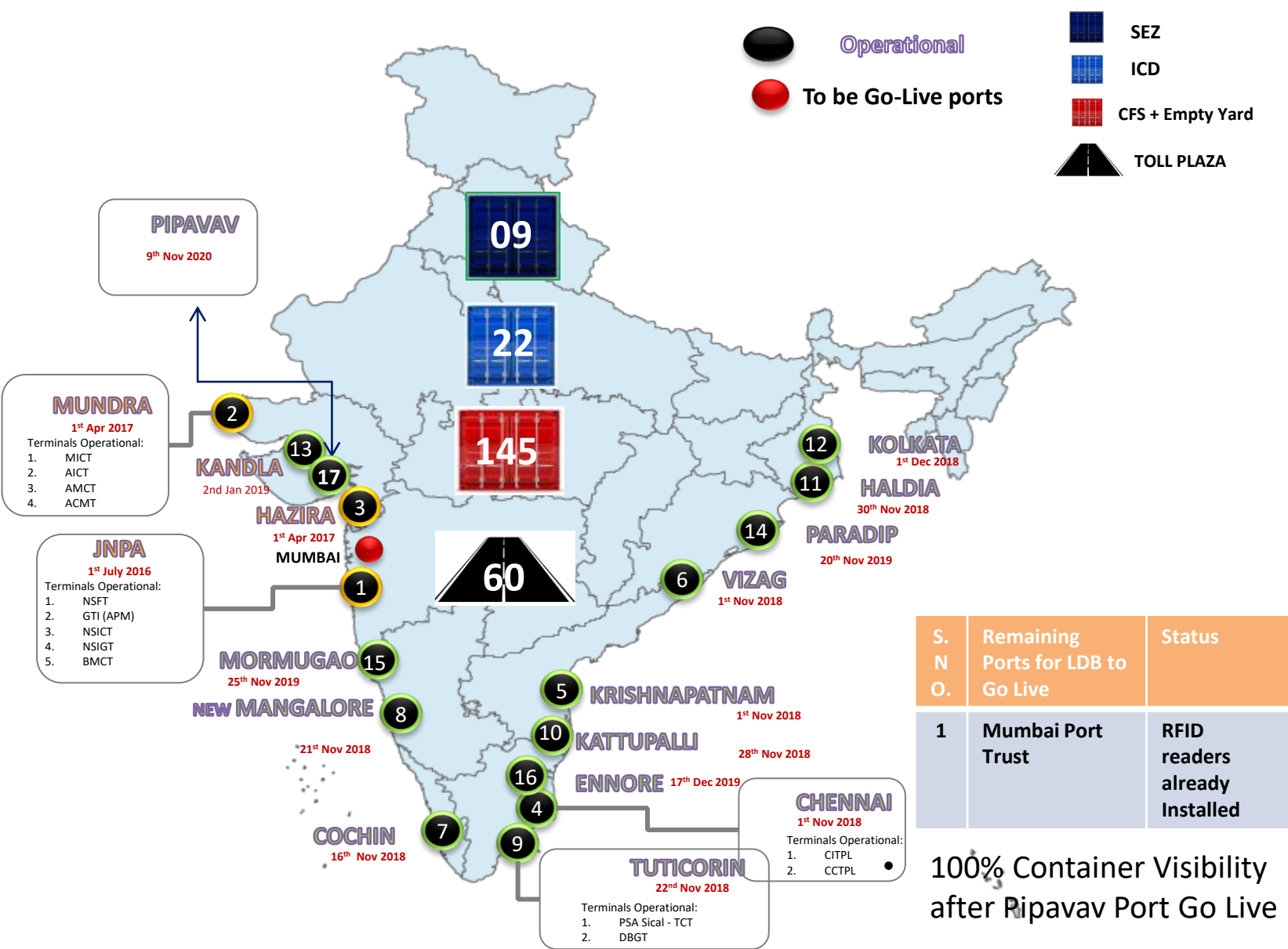
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	38.1	74.1	87.0	87.0	-	84.8
Ankaleshwar	45.0	41.2	55.3	55.3	-	43.9
Ballabgarh	299.5	246.7	-	-	-	273.5
Bangalore	-	193.1	-	-	-	193.1
Baroda	-	34.6	175.4	175.4	154.2	35.9
Boisar	60.3	-	48.6	48.6	52.8	54.6
Dadri	34.3	-	69.6	69.6	26.8	36.7
Daulatabad	58.9	47.8	51.0	51.0	36.2	51.0
Faridabad	109.1	156.6	125.9	125.9	87.8	150.2
Guhati	385.9	260.4	334.2	334.2	233.8	319.5
Indore	188.8	-	59.4	59.4	40.0	58.5
Jaipur	55.1	30.5	42.3	42.3	18.5	46.2
Kanpur	97.8	65.0	139.0	139.0	28.0	113.3
Khatuwas	37.5	28.6	-	-	-	30.0
Khodiyar	57.3	71.7	115.2	115.2	142.7	75.8
Ludhiana	51.6	39.9	40.7	40.7	350.1	43.1
Malanpur	144.3	173.3	57.7	57.7	52.0	68.1
Mandideep	66.0	-	42.7	42.7	26.6	41.3
Moradabad	60.7	32.9	37.6	37.6	50.3	39.1
Nagpur	49.2	32.5	37.3	37.3	35.3	43.5
Navi Mumbai	16.5	29.1	17.5	17.5	14.8	16.9
Pantnagar	-	-	56.0	56.0	-	50.0
Patparganj	22.2	34.3	-	-	-	30.6
Raipur	-	-	60.9	60.9	-	60.9
Sanatnagar	62.9	-	71.0	71.0	-	64.6
Thimmapur	82.3	-	174.4	174.4	173.1	164.3
Tughlakabad	41.7	-	44.7	44.7	24.8	40.2
Umbergaon	121.8	-	-	-	214.6	121.8

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	18.0	2.8	16.2	16.2	26.7	18.9
Ameya Logistics CFS, Navi Mumbai	14.9	3.9	14.0	14.0	15.3	14.7
APM (Maersk India) CFS, Navi Mumbai	15.5	12.0	13.2	13.2	17.8	15.8
Apollo Logisolutions CFS, Panvel	19.6	14.1	16.6	16.6	21.5	18.2
Ashte Logistics CFS, Panvel	14.6	10.9	15.1	15.1	16.7	13.8
Balmer & Lawrie CFS, Navi Mumbai	20.0	13.8	16.1	16.1	21.1	18.5
Continental Warehousing CFS, Navi Mumbai	14.0	12.1	15.5	15.5	28.5	14.5
CWC Impex Park	17.5	12.6	17.3	17.3	23.3	16.7
Dronagiri Rail Terminal CFS, Navi Mumbai	37.5	29.1	21.7	21.7	-	29.3
EFC Logistics	18.3	13.8	21.7	21.7	23.8	17.8
Gateway Distriparks CFS, Navi Mumbai	16.7	15.5	17.9	17.9	17.8	16.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	16.5	16.5	17.4	16.9
JWC Logistics Park CFS	14.5	11.1	13.5	13.5	15.0	13.2
Kerry Indev Logistics Pvt Ltd CFS	20.0	16.3	20.6	20.6	23.3	19.1
Maharashtra State Corp CFS	26.0	17.1	29.0	29.0	32.8	27.4
Navkar Corporation	18.3	13.6	15.7	15.7	20.2	16.8
Ocean Gate CFS, Panvel	16.1	11.1	16.4	16.4	18.8	15.2
Sarveshwar Logistics	15.1	9.1	14.8	14.8	20.0	14.7
SBW Logistics CFS, Navi Mumbai	45.5	-	31.5	31.5	-	49.0
Seabird CFS, Navi Mumbai	16.4	-	15.4	15.4	21.8	16.8
Speedy Multimode CFS, JNPT	15.0	-	15.9	15.9	14.6	15.1
Take Care Logistics	15.9	11.1	15.6	15.6	22.4	15.5
TG Terminals	21.7	-	22.1	22.1	20.5	21.3
Vaishno Logistics CFS, Navi Mumbai	20.5	11.7	18.1	18.1	14.7	18.1



S. N O.	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 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

Cluster 8
SBW

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