

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Sep'22 (in hrs)	Oct'22 (in hrs)	Port	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	38.1	38.4	JNPCT	68.1	63.1
NSICT	19.6	21.8	NSICT	56.2	53.5
GTI	13.4	15.9	GTI	75.9	76.2
NSIGT	22.5	23.6	NSIGT	82.0	75.2
BMCT/PSA	17.8	19.7	BMCT/PSA	70.1	72.9

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Container handling performance for Import Cycle has deteriorated and for Export Cycle has improved as compared to last month.
- Container handling performance at CFS has deteriorated and at ICD has improved as compared to last month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Oct'22	20.6 hrs	69.7 hrs	82.2 hrs	111.5 hrs
Sep'22	18.1 hrs 13.8%	71.0 hrs 1.8%	81.9 hrs 0.4%	116.5 hrs 4.3%

IMPORT

Port Dwell Time

Mode	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall	23.4	24.5
Truck	19.3	20.8
Train	58.3	57.4

EXPORT

Mode	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall	86.1	84.2
Truck	80.3	78.8
Train	117.2	115.5

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Sep'22 (in hrs)	Oct'22 (in hrs)
CFS	83.5	82.8
ICD	116.5	111.5

The marked entries showcase increase in performance in comparison to Sep'22

The marked entries showcase Decrease in performance in comparison to Sep'22



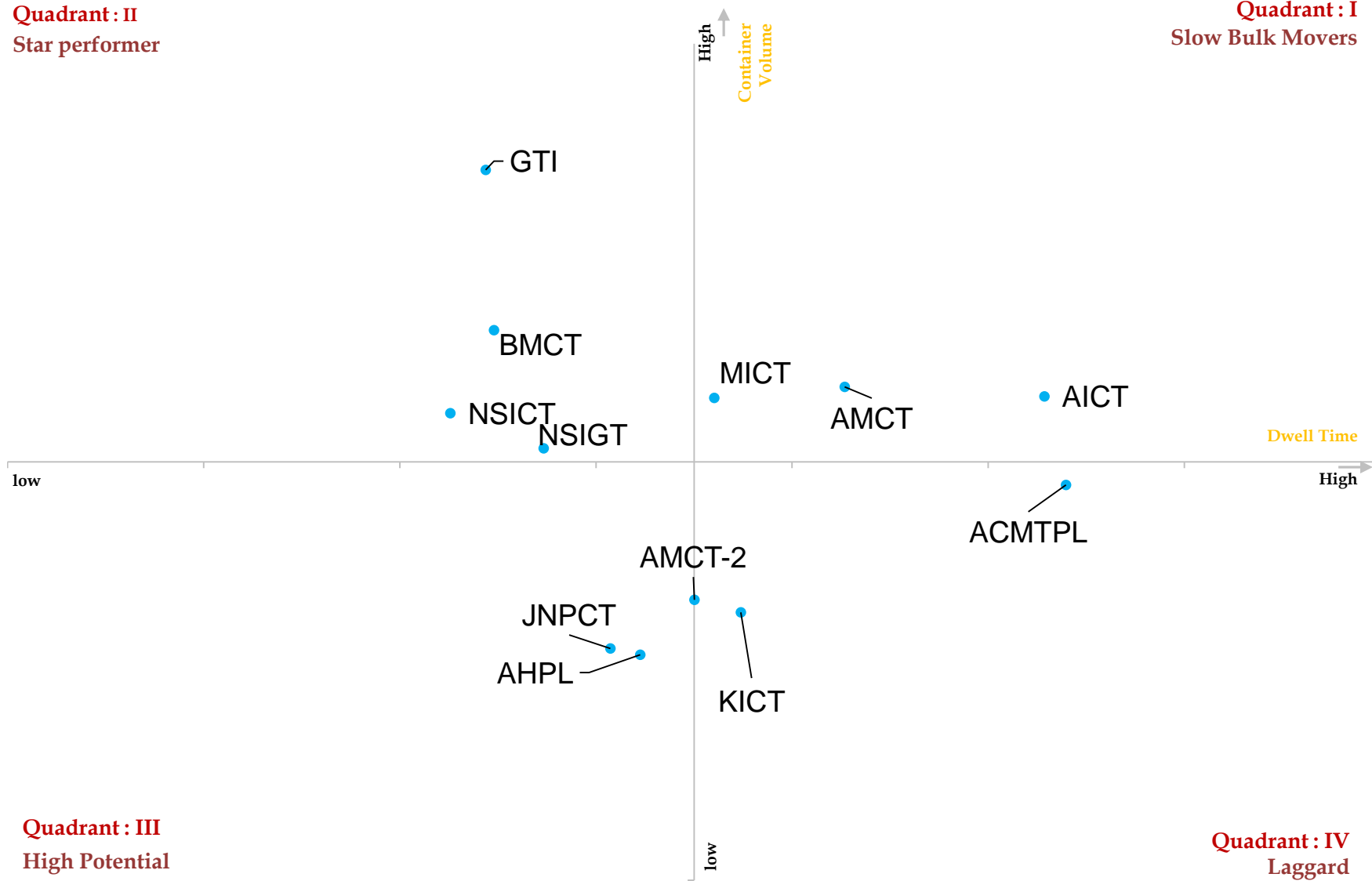
Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Oct'22

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers



Quadrant : III
High Potential

Quadrant : IV
Laggard



Performance benchmarking for Port Terminals covered under LDB project for Oct'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Sep'22	Oct'22
38.0 hrs	35.4 hrs
Low Performing Terminal	
Adani CMA Mundra Terminal (ACMTPL)	
Sep'22	Oct'22
78.0 hrs	86.1 hrs

Note: The performance benchmarking is based on performance index



The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Sep'22

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	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall	18.1	20.6
Truck	15.1	17.7
Train	49.3	45.2

Mode	Sep'22 (in hrs)	Spe'22 (in hrs)
Overall	71.0	69.7
Truck	69.4	68.6
Train	83.4	79.1

Transit Time

Towards ICD

Transit Cycle	Sep'22 (in hrs)	Oct'22 (in hrs)
Port to ICD	116.3	115.6
Port to CFS	2.86	2.97

Towards CFS

From ICD

Transit Cycle	Sep'22 (in hrs)	Spe'22 (in hrs)
ICD to Port	89.8	92.0
CFS to Port	3.04	3.40

From CFS

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

Entity	Sep'22 (in hrs)	Oct'22 (in hrs)
CFS	81.9	82.2
ICD	116.5	111.5

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 Sep'22

■ The marked entries showcase the decrease in performance as compared to Sep'22

Container Lifecycle (Export Cycle)

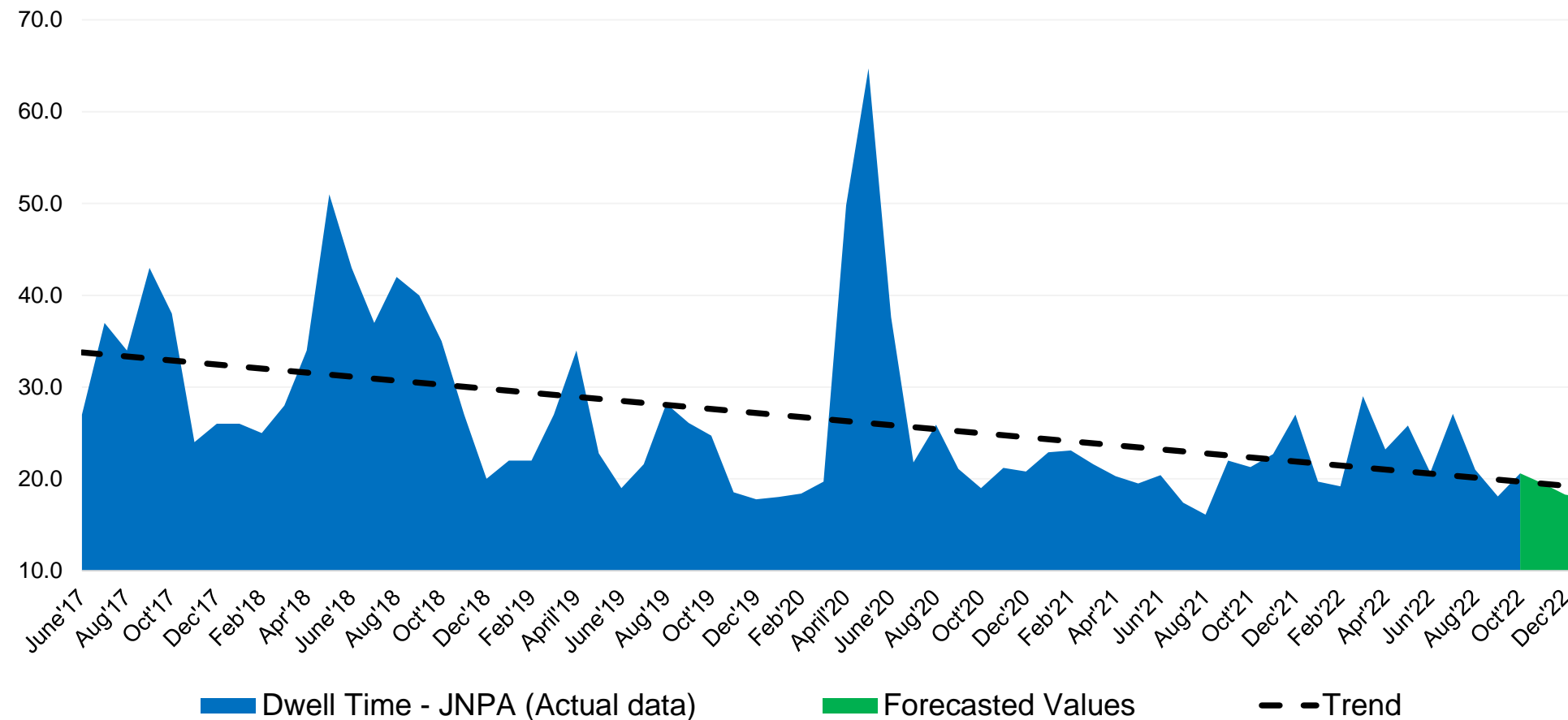
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Oct'22 - in hrs)			Compared to Sep'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.6	13.8%	↓
	Port Dwell Time for Truck Bound Containers	17.7	17.2%	↓
	Port Dwell time for Train Bound Containers	45.2	8.3%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	29.9	7.4%	↑
	Port Dwell time Containers bound for CFS	16.4	18.6%	↓
	Port Dwell for Empty Containers	25.8	5.7%	↓
	Port Dwell for Laden Containers	19.7	16.6%	↓
TRANSIT TIME	Port to ICD	115.6	0.6%	↑
	Port to CFS	2.97	3.8%	↓

EXPORT CYCLE DWELL TIME (Oct'22- in hrs)			Compared to Sep'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	69.7	1.8%	↑
	Port Dwell Time for Truck Bound Containers	68.6	1.2%	↑
	Port Dwell time for Train Bound Containers	79.1	5.2%	↑
	Port Dwell time Direct Port Entry (DPE) containers	71.0	2.5%	↑
	Port Dwell time Containers bound from CFS	66.8	6.0%	↑
	Port Dwell for Empty Containers	63.5	2.8%	↑
	Port Dwell for Laden Containers	72.1	1.4%	↑
TRANSIT TIME	ICD to Port	92.0	2.4%	↓
	CFS to Port	3.4	11.8%	↓

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Sep'22

JNPA Port – Import Cycle



📄 **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 on Oct'22 and decrease from there on till Jan'23.



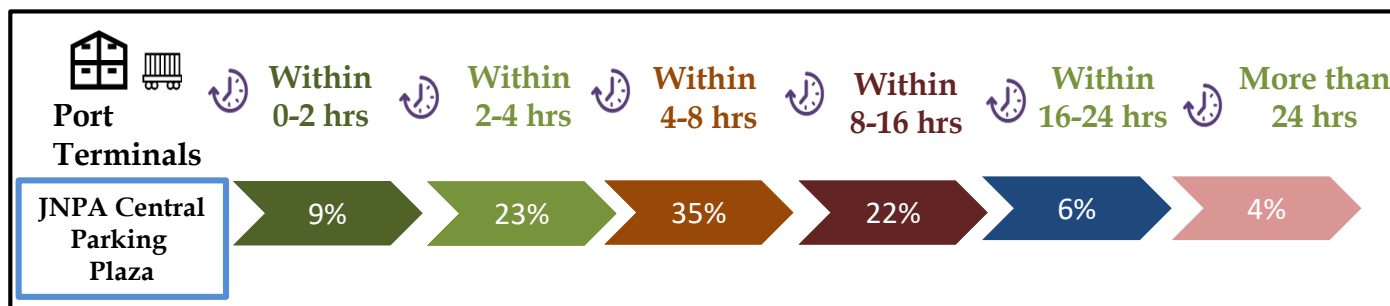
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall Parking Plaza	5.56	5.69

Container Handled: Day wise (Oct'22)



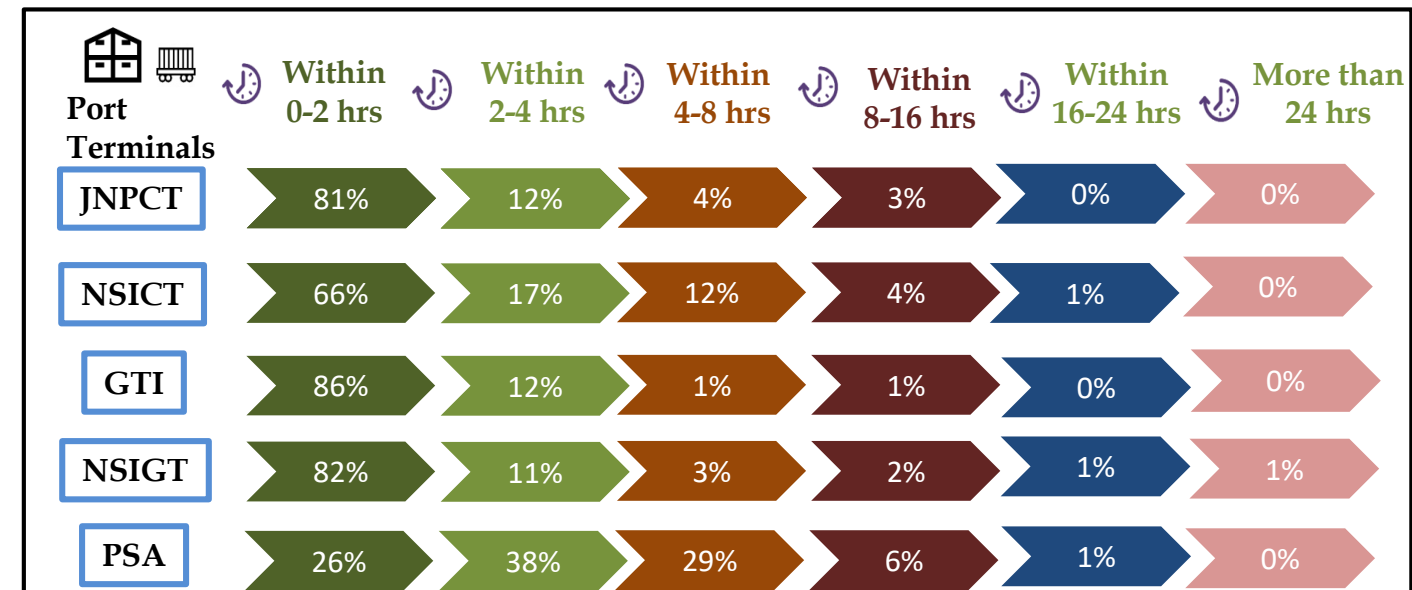
Parking Plaza Gate Out - Terminal In



Mode	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.10	1.32

Port	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	1.0	1.2
NSICT	0.9	1.3
GTI	0.7	1.0
NSIGT	0.8	0.7
BMCT	3.1	3.1

Container Handled: Day wise (Oct'22)





Performance Benchmarking



ICD

Top Performing CFS

Adani CFS Eximyard, Mundra	
Sep'22	Oct'22
74.6 hrs	79.4 hrs

Low Performing CFS

Sarveshwar CFS	
Sep'22	Oct'22
80.4 hrs	111.7 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

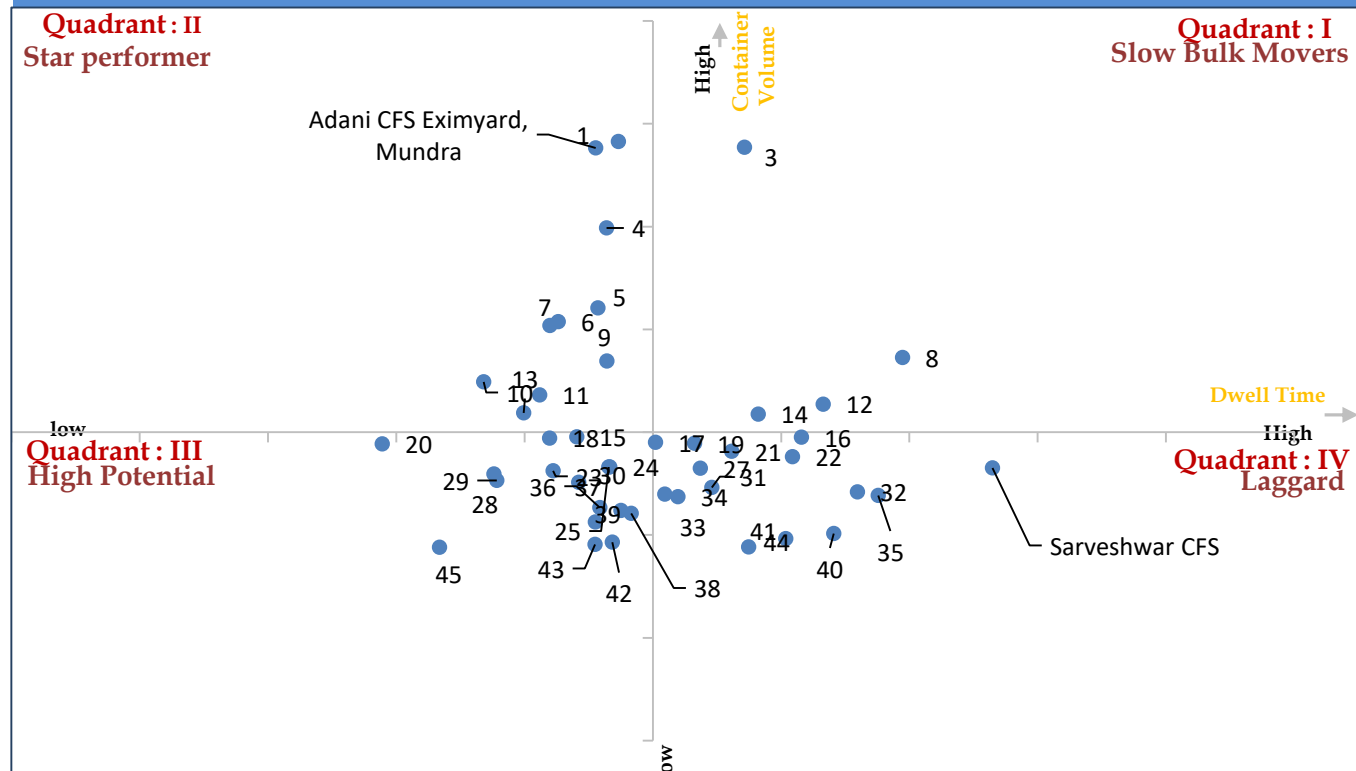
Top Performing ICD

Navkar ICD, Tumb	
Sep'22	Oct'22
107.9 hrs	108.7 hrs

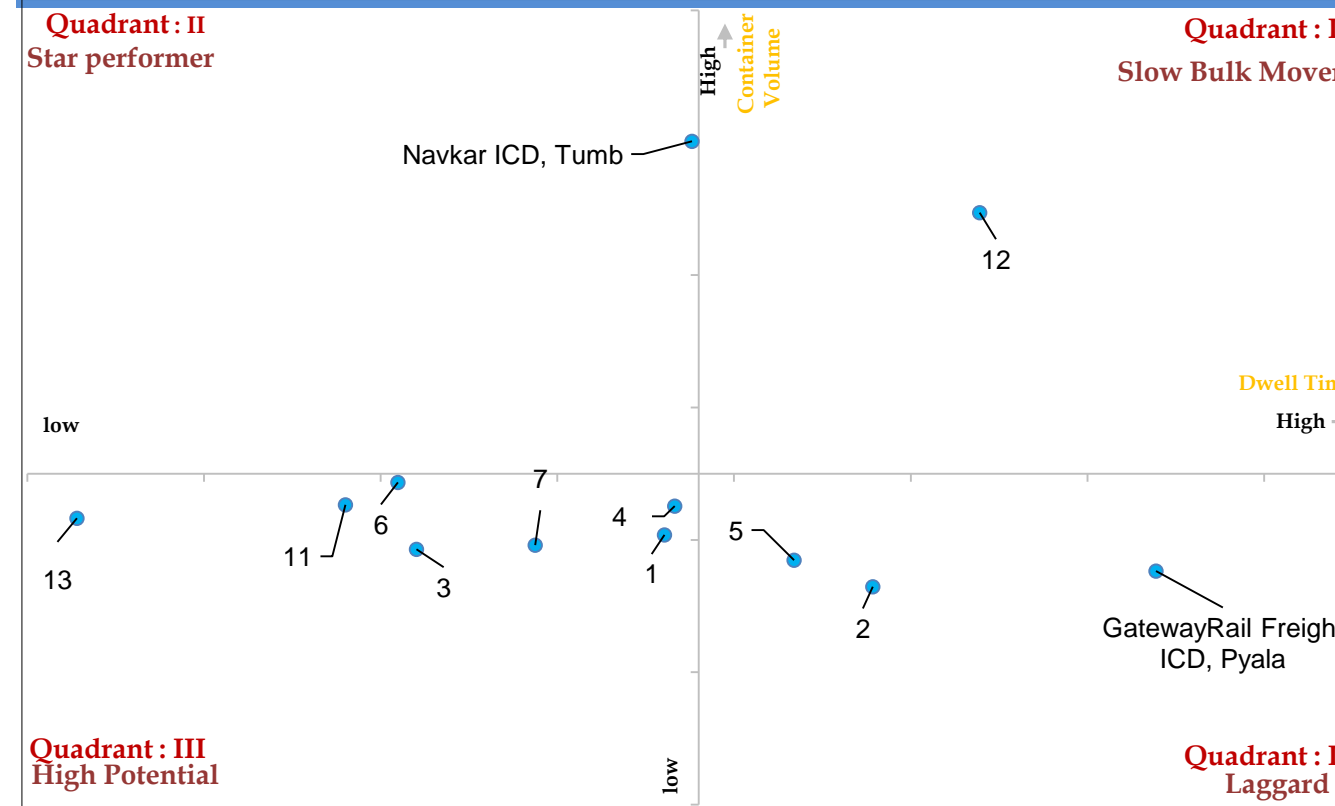
Low Performing ICD

GatewayRail Freight ICD, Pyala	
Sep'22	Oct'22
139.2 hrs	129.0 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

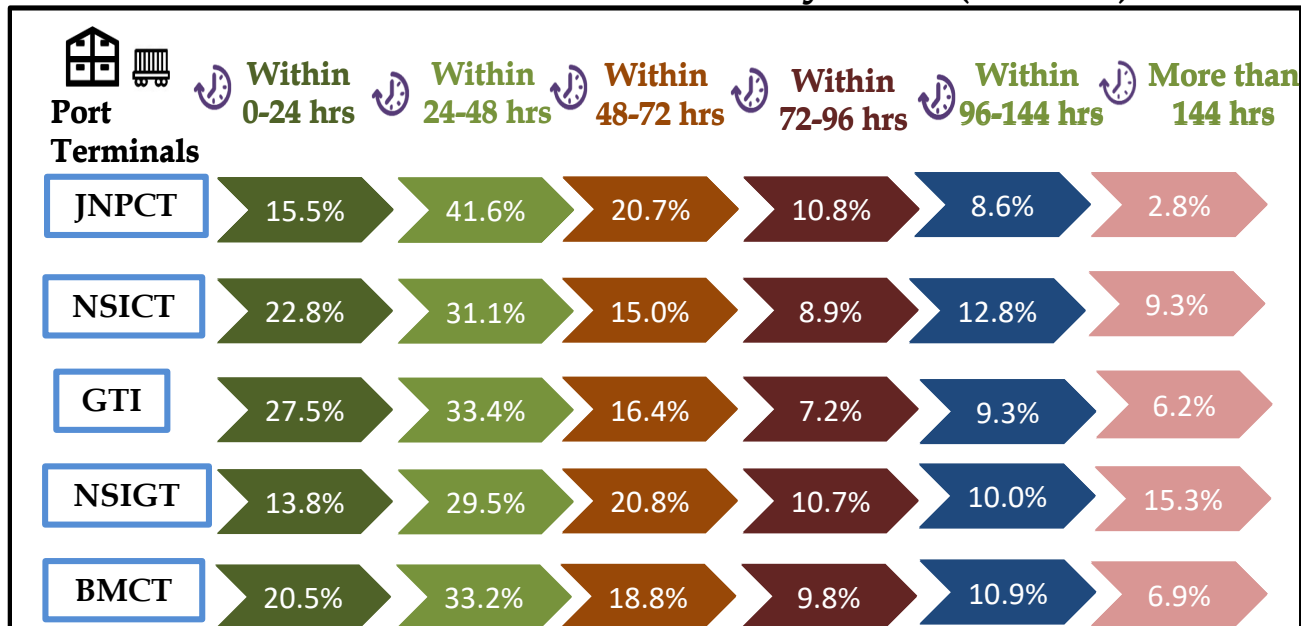
PORT IMPORT via TRAIN

(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	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	46.3	42.5
NSICT	54.9	45.3
GTI	38.8	38.9
NSIGT	74.7	54.9
BMCT	46.7	44.8

Container Handled: Day wise (Oct'22)



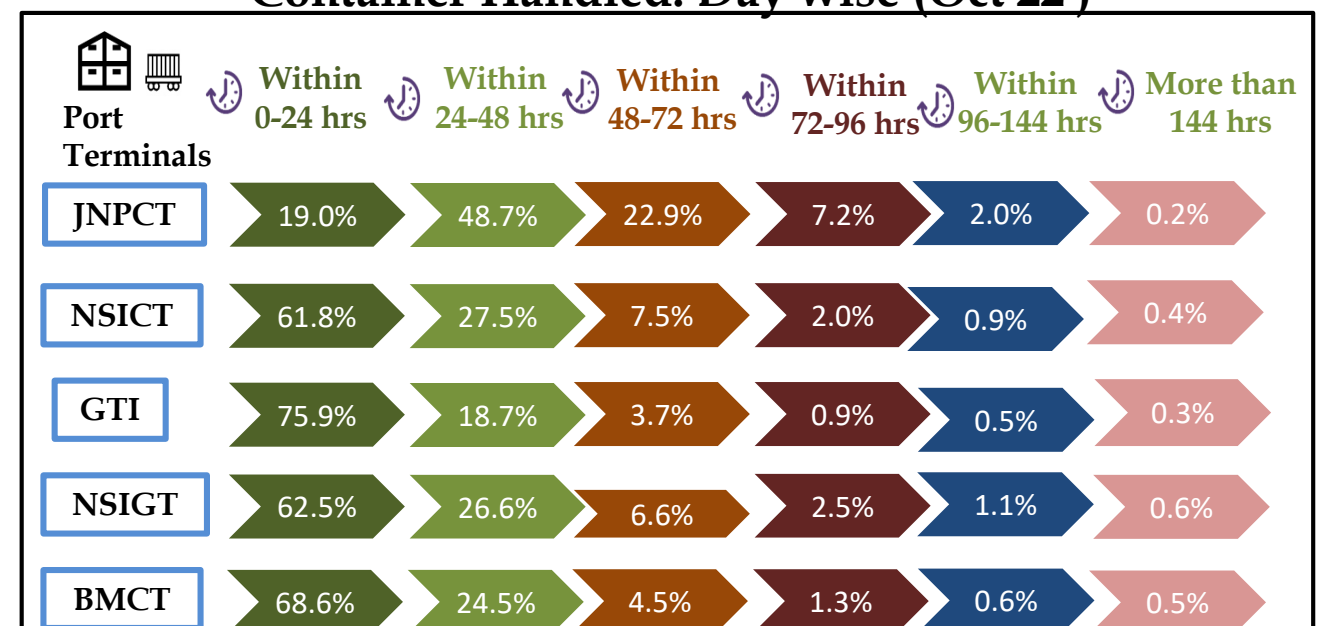
PORT IMPORT via TRUCK

(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	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	36.9	37.8
NSICT	17.1	19.2
GTI	11.7	14.1
NSIGT	17.7	18.9
BMCT	15.0	17.1

Container Handled: Day wise (Oct'22)



The below tables depict the detailed JNPA region port performance in the month of Oct'22

JNPCT		
Port Dwell time based on transit type		
Sep'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	52.0 hrs	36.9 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	38.4 hrs	38.9 hrs

GTI		
Port Dwell time based on transit type		
Sep'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	23.6 hrs	13.0 hrs
Port Dwell time based on transit type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	15.5 hrs	20.5 hrs

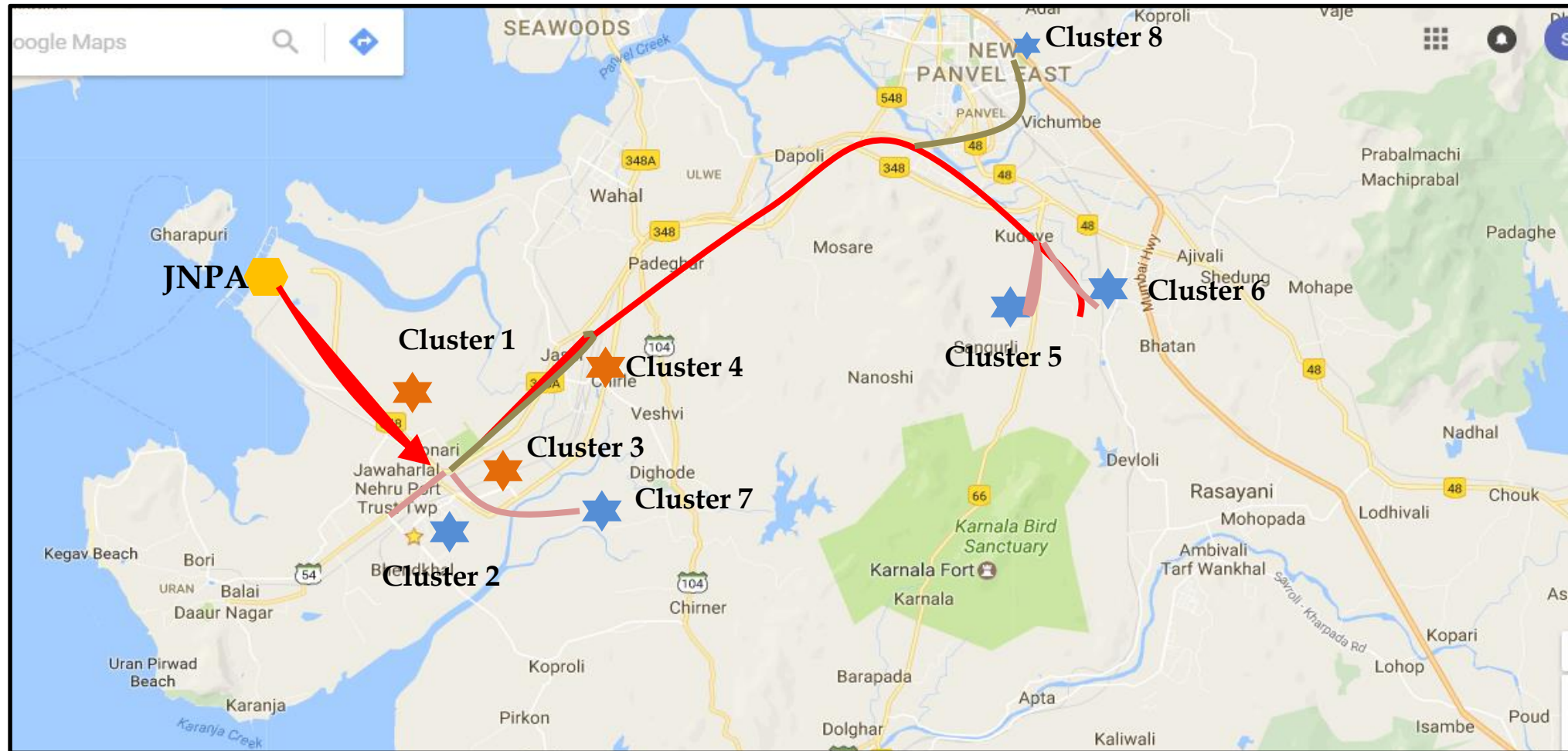
The below tables depict the detailed JNPA region port performance in the month of Oct'22

NSICT		
Port Dwell time based on transit type		
Sep'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	42.0 hrs	18.4 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	20.0 hrs	28.5 hrs

NSIGT		
Port Dwell time based on transit type		
Sep'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	43.0 hrs	17.8 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	23.0 hrs	25.3 hrs

BMCT		
Port Dwell time based on transit type		
Sep'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	25.4 hrs	16.3 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	19.0 hrs	24.8 hrs

The Below map indicate congestion around JNPA region in Import Cycle in month of Oct'22



Clusters with bottleneck

CLUSTER 1	JNPA Area
CLUSTER 3	Sonari area, JNPA road
CLUSTER 4	Chirle area, JNPA road

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate 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
Import Cycle :-

JNPCT Terminal

Congestion Level
Import Cycle :-

NSICT Terminal

Congestion Level
Import Cycle :-

NSIGT Terminal

Congestion Level
Import Cycle :-

BMCT Terminal

Congestion Level
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

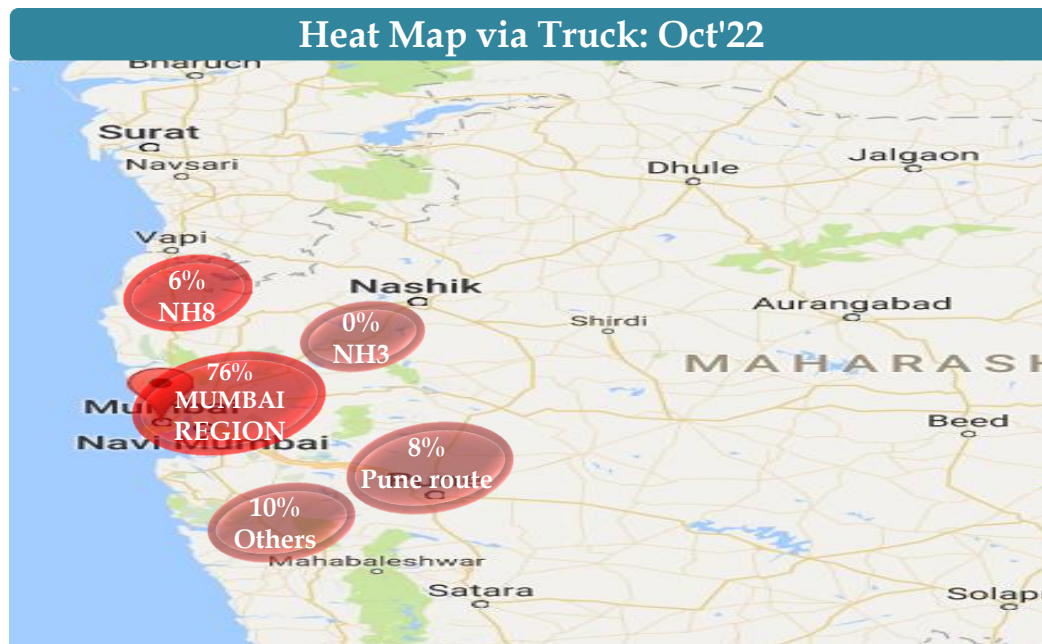
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Oct'22
Mumbai region	76%
NH3	0%
Pune	8%
NH8	6%
others	10%

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

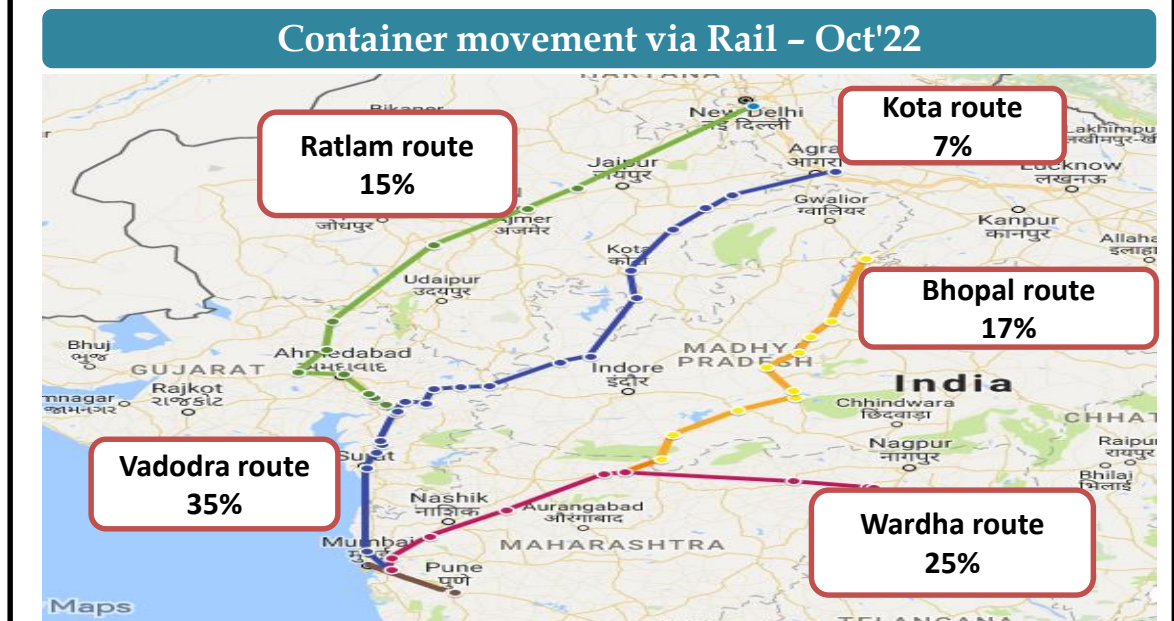


Train

VOLUME WISE CONTAINER MOVEMENT

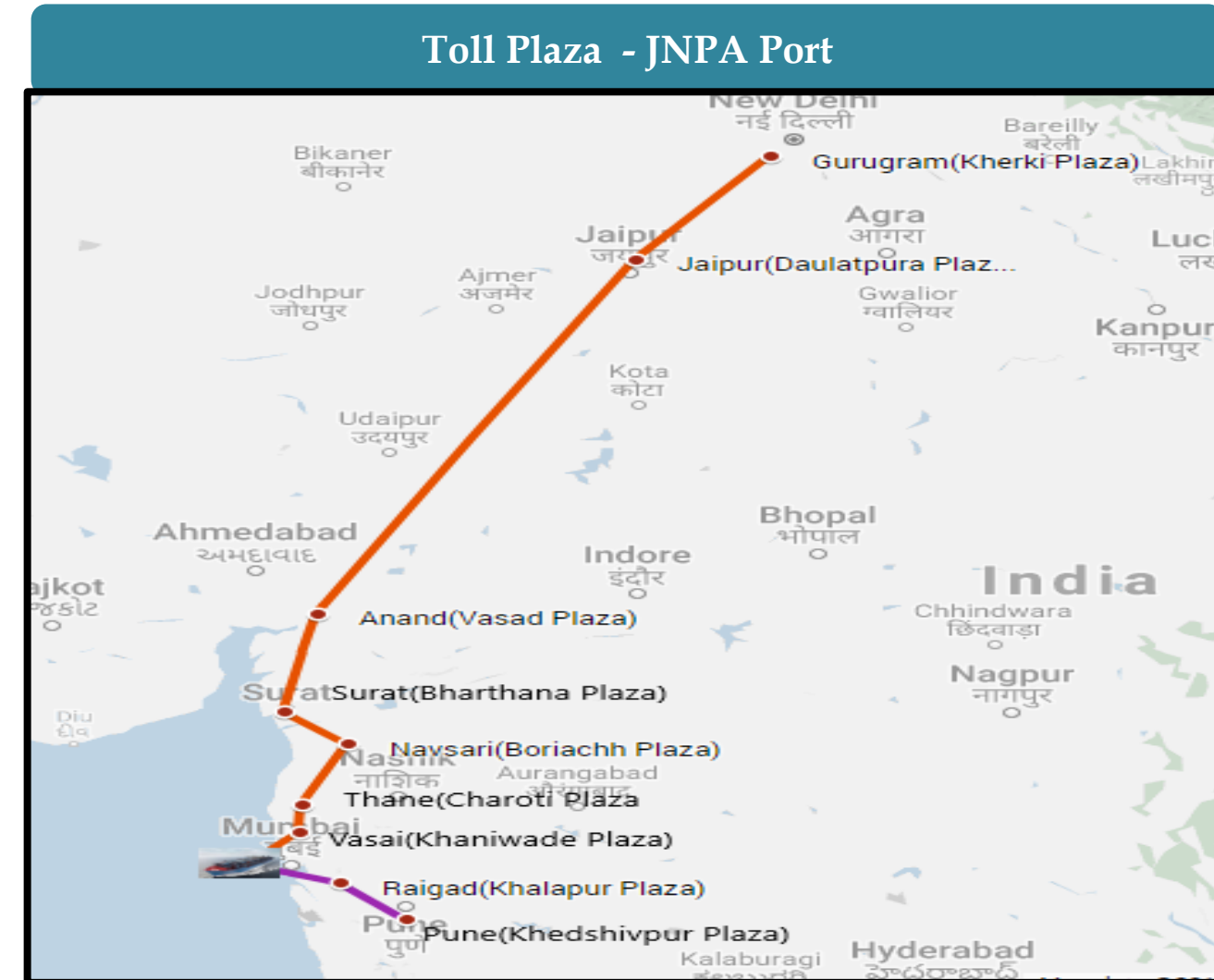
Region	Oct'22
Vadodra Route	35%
Ratlam Route	15%
Wardha Route	25%
Kota Route	7%
Bhopal Route	17%

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)	Sep'22 (in km/hrs)	Oct'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	9.6	21.7
	JNPA	Khalapur	60	15.1	16.0
	Khaniwade	Charoti	50	33.1	33.2
	Charoti	Boriach	126	25.4	25.7
	Boriach	Bharthan	142	27.8	30.4
	Bharthan	Vasad	60	36.1	37.8
	Khalalpur	Khedshivpur	105	32.0	30.1



Export Cycle Analysis

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

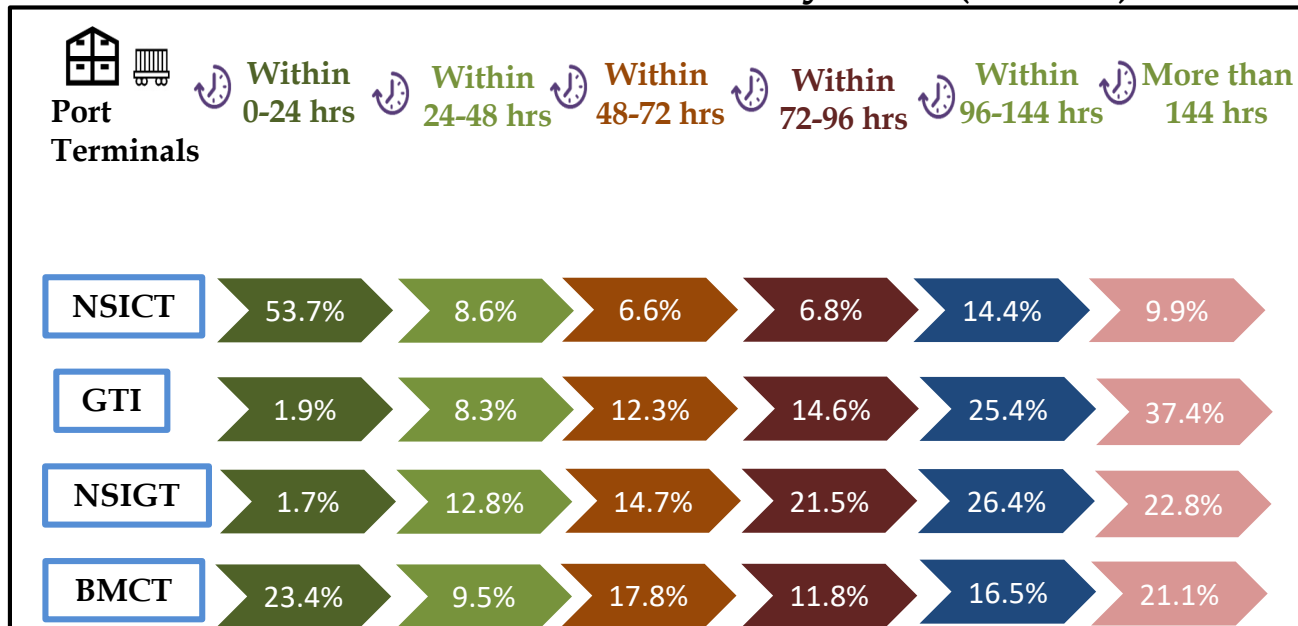
(20% of total export volume at JNPA Port)

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	Sep'22 (in hrs)	Oct'22 (in hrs)
NSICT	23.0	17.0
GTI	111.9	117.2
NSIGT	100.6	94.9
BMCT	76.8	70.6

Due to low volume count JNPCT rai bound container analysis has been removed.

Container Handled: Day wise (Oct'22)



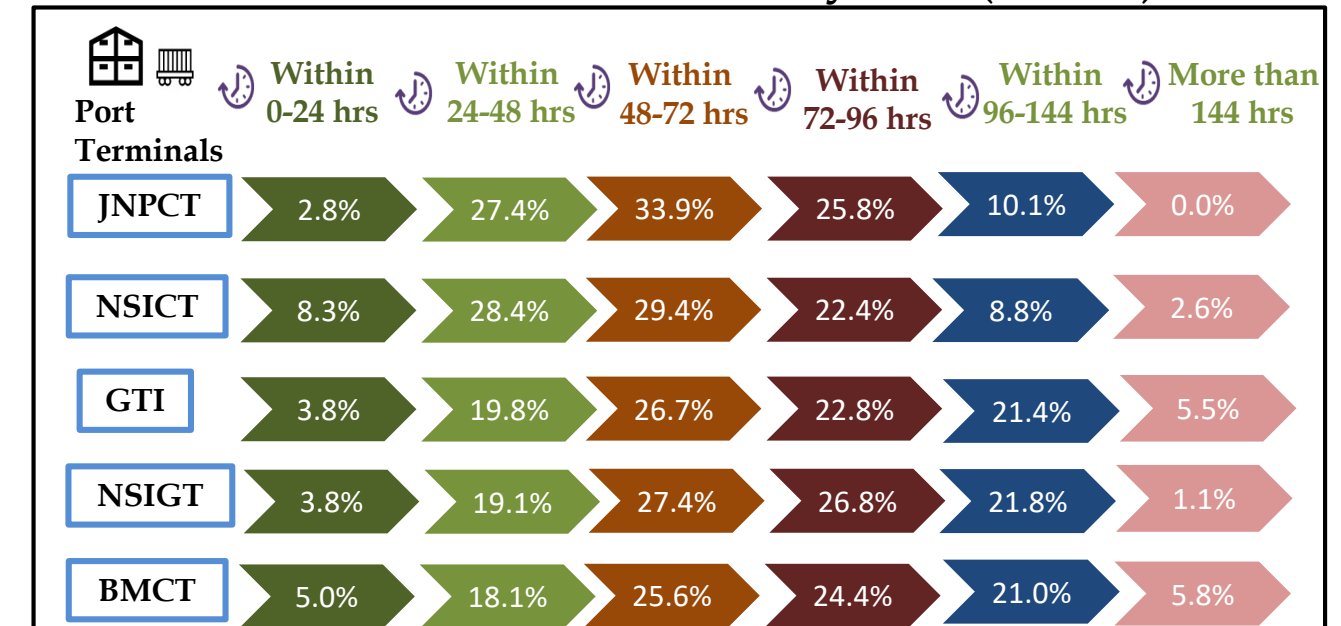
PORT EXPORT via TRUCK

(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	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	68.0	63.2
NSICT	61.9	58.4
GTI	70.4	71.8
NSIGT	79.1	71.7
BMCT	69.2	73.4

Container Handled: Day wise (Oct'22)



The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Oct'22

JNPCT		
Port Dwell time based on transit type		
Sep'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	62.5 hrs	59.4 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	63.4 hrs	62.9 hrs

GTI		
Port Dwell time based on transit type		
Sep'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	72.9 hrs	65.8 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	79.8 hrs	68.7 hrs

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Oct'22

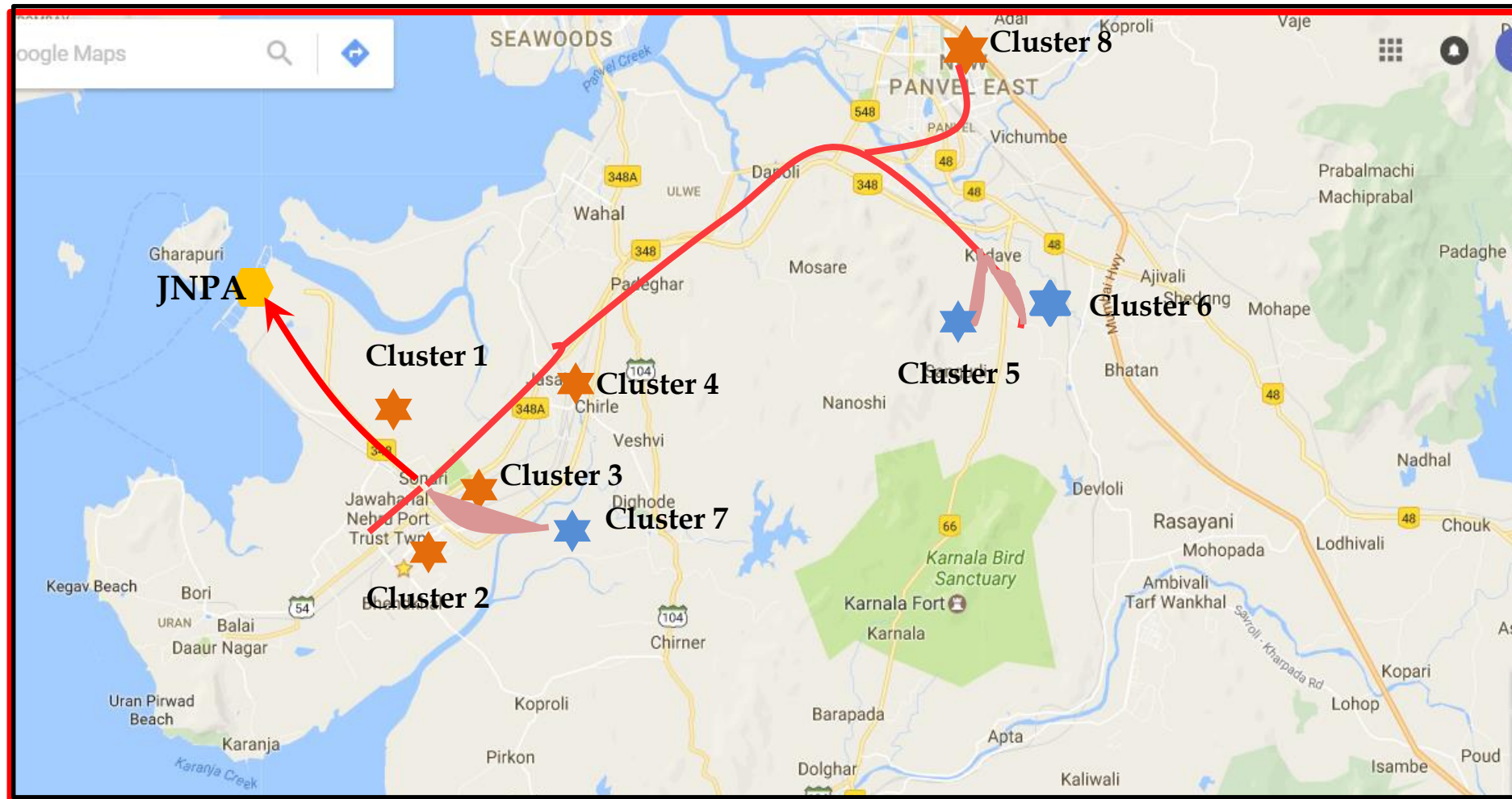
NSICT		
Port Dwell time based on transit type		
Sep'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	56.7 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	57.6 hrs	44.2 hrs

NSIGT		
Port Dwell time based on transit type		
Sep'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	69.0 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	76.6 hrs	54.5 hrs

BMCT		
Port Dwell time based on transit type		
Sep'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	66.2 hrs
Port Dwell time based on container type		
Sep'22	Laden Containers	Empty Containers
Dwell time (in hrs)	74.0 hrs	71.0 hrs

JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Export Cycle in month of Oct'22



Clusters with bottleneck

CLUSTER 1	JNPA Area
CLUSTER 2	Bhendkhal area, khopate road
CLUSTER 3	Sonari area, JNPA road
CLUSTER 4	Chirle area, JNPA road
CLUSTER 8	Taloja, Navi Mumbai

Clusters without bottleneck

CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPA road

Legends

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

GTI Terminal

Congestion Level
Export Cycle :-

JNPCT Terminal

Congestion Level
Export Cycle :-

NSICT Terminal

Congestion Level
Export Cycle :-

NSIGT Terminal

Congestion Level
Export Cycle :-

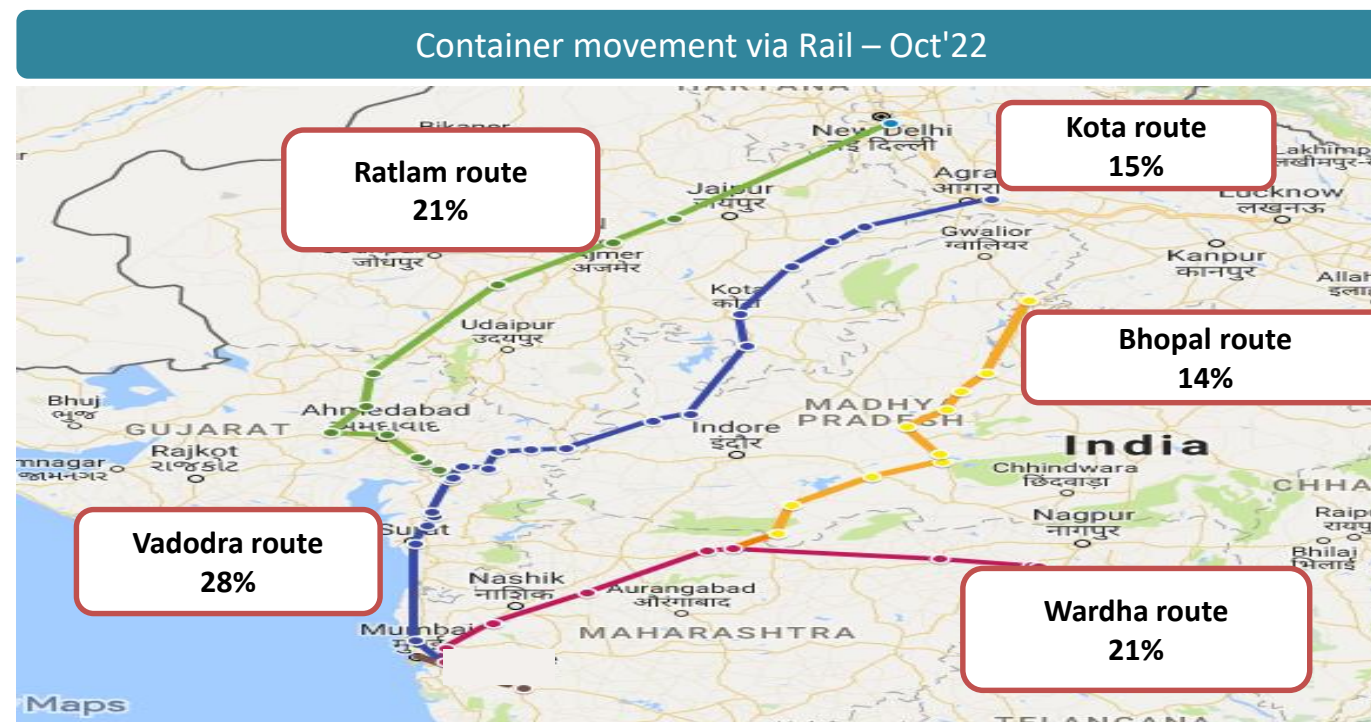
BMCT Terminal

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	28%
Ratlam Route	21%
Wardha Route	21%
Kota Route	15%
Bhopal Route	14%

The map shows the volume wise container movement through different railway routes in export cycle for Oct'22



CFS and ICD Performance

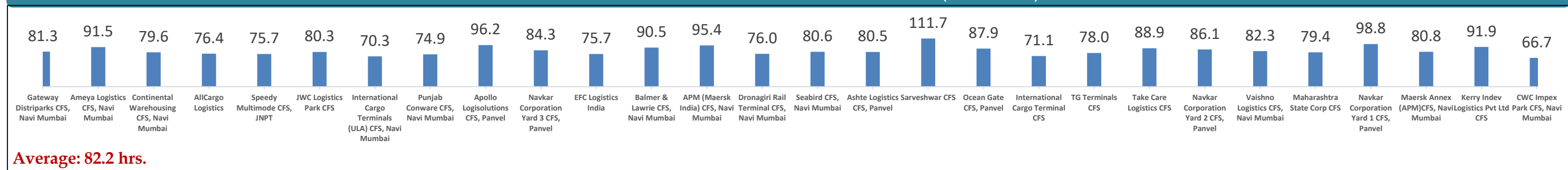
JNPA region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of Oct'22

CFS Dwell Time (in hrs.)

CFS	Sep'22 (in hrs)	Oct'22 (in hrs)	CFS	Sep'22 (in hrs)	Oct'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	82.7	81.3	Apollo Logisolutions CFS, Panvel	79.9	96.2
Continental Warehousing CFS, Navi Mumbai	75.7	79.6	Ashte Logistics CFS, Panvel	97.4	80.5
Speedy Multimode CFS, JNPT	82.1	75.7	Punjab Conware CFS, Navi Mumbai	80.5	74.9
Ameya Logistics CFS, Navi Mumbai	86.5	91.5	Vaishno Logistics CFS, Navi Mumbai	86.0	82.3
Navkar Corporation Yard 3 CFS, Panvel	79.7	84.3	Navkar Corporation Yard 2 CFS, Panvel	92.2	86.1
AllCargo Logistics	75.3	76.4	Ocean Gate CFS, Panvel	86.6	87.9
JWC Logistics Park CFS	83.4	80.3	TG Terminals CFS	82.2	78.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	68.9	70.3	APM (Maersk India) CFS, Navi Mumbai	87.0	95.4
Seabird CFS, Navi Mumbai	83.6	80.6	Maharashtra State Corp CFS	73.8	79.4
Balmer & Lawrie CFS, Navi Mumbai	87.5	90.5	Take Care Logistics CFS	106.6	88.9
EFC Logistics India	72.0	75.7	Navkar Corporation Yard 1 CFS, Panvel	98.4	98.8
International Cargo Terminal CFS	72.3	71.1	Kerry Indev Logistics Pvt Ltd CFS	108.9	91.9
Sarveshwar CFS	80.4	111.7	Maersk Annex (APM)CFS, Navi Mum.bai	102.4	80.8
Dronagiri Rail Terminal CFS, Navi Mumbai	80.4	76.0	CWC Impex Park CFS, Navi Mumbai	60.0	66.7

CFS - DWELL OVERVIEW - OCT'22 (IN HRS)

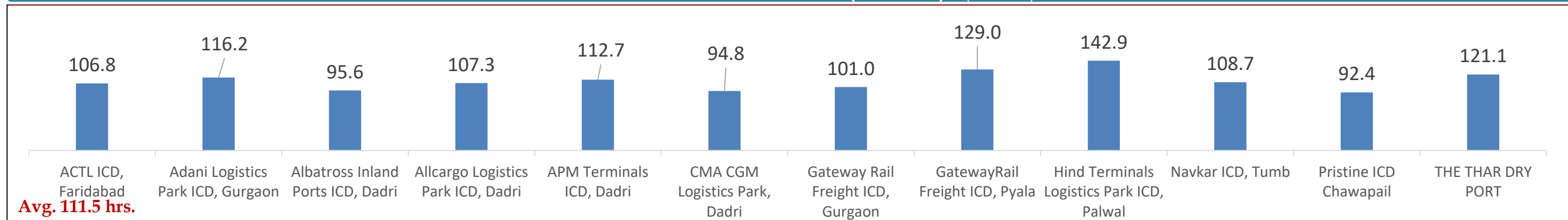


ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Sep'22 (in hrs)	Oct'22 (in hrs)
ACTL ICD, Faridabad	112.4	106.8
Adani Logistics Park ICD, Gurgaon	120.2	116.2
Albatross Inland Ports ICD, Dadri	116.0	95.6
Allcargo Logistics Park ICD, Dadri	125.6	107.3
APM Terminals ICD, Dadri	114.4	112.7
CMA CGM Logistics Park, Dadri	97.8	94.8
Gateway Rail Freight ICD, Gurgaon	105.3	101.0
GatewayRail Freight ICD, Pyala	139.2	129.0
Hind Terminals Logistics Park ICD, Palwal	114.5	142.9
Navkar ICD, Tumb	107.9	108.7
Pristine ICD Chawapail	99.1	92.4
THE THAR DRY PORT	139.3	121.1

ICD - DWELL OVERVIEW (OCT'22) (In Hrs)

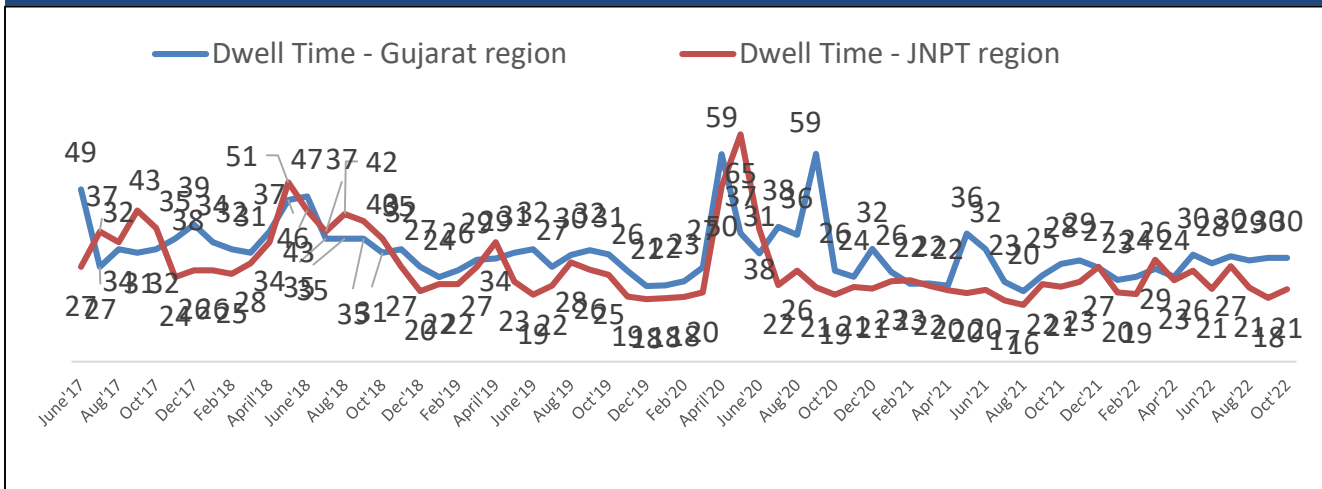


Trend Analysis

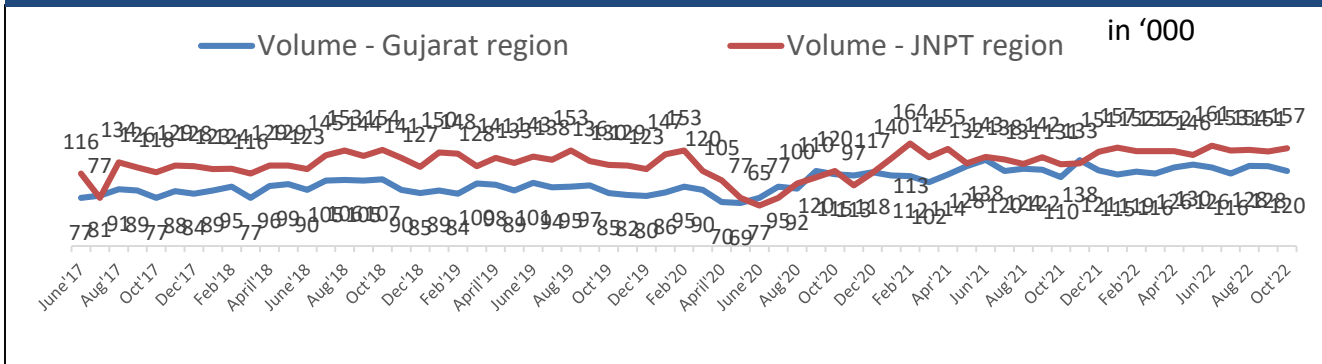
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Oct'22

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



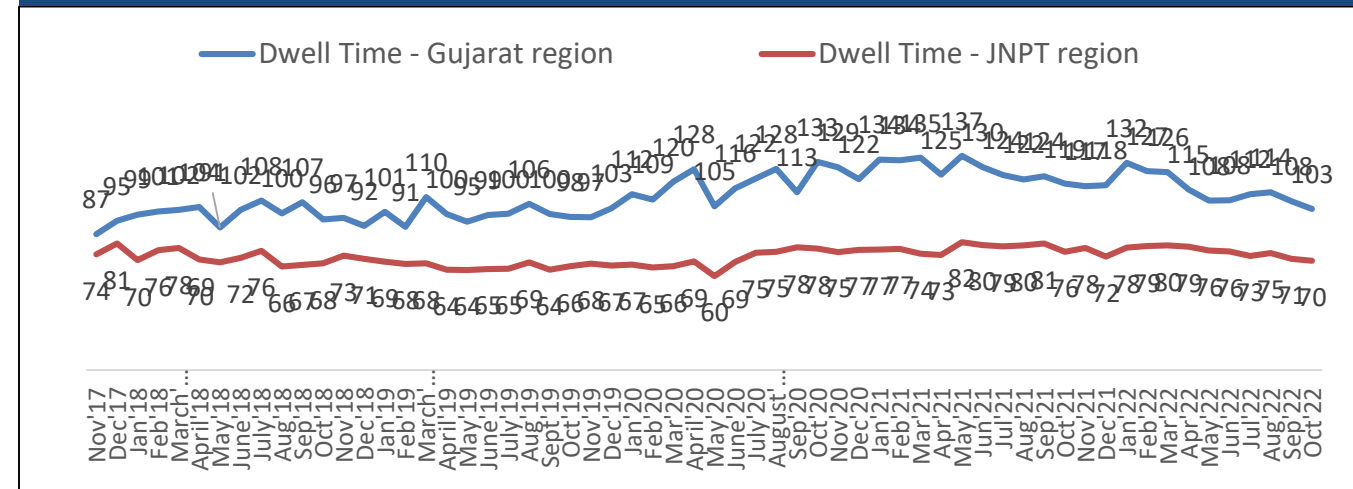
Volume – Mundra Region Vs JNPA Region



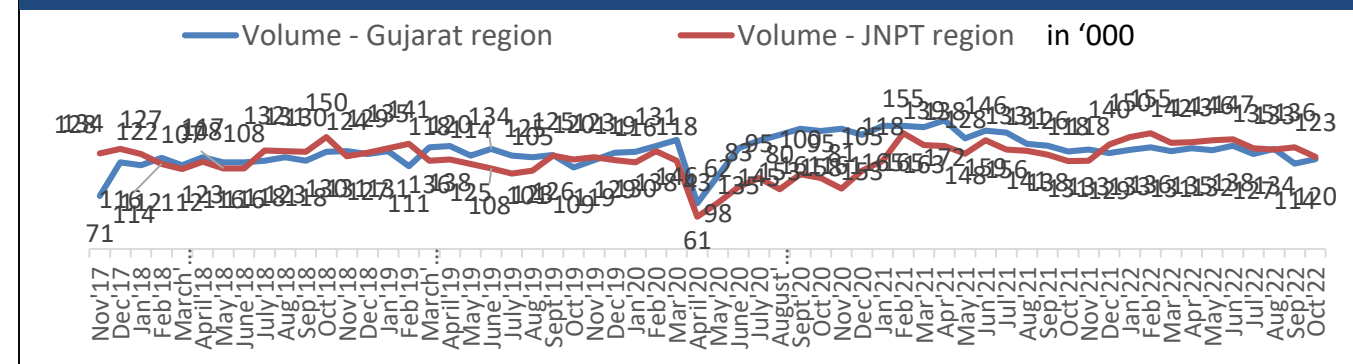
In Import cycle, for the month of Oct'22 Mundra port has catered 23% less volume than JNPA Port, and has performed with 43% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

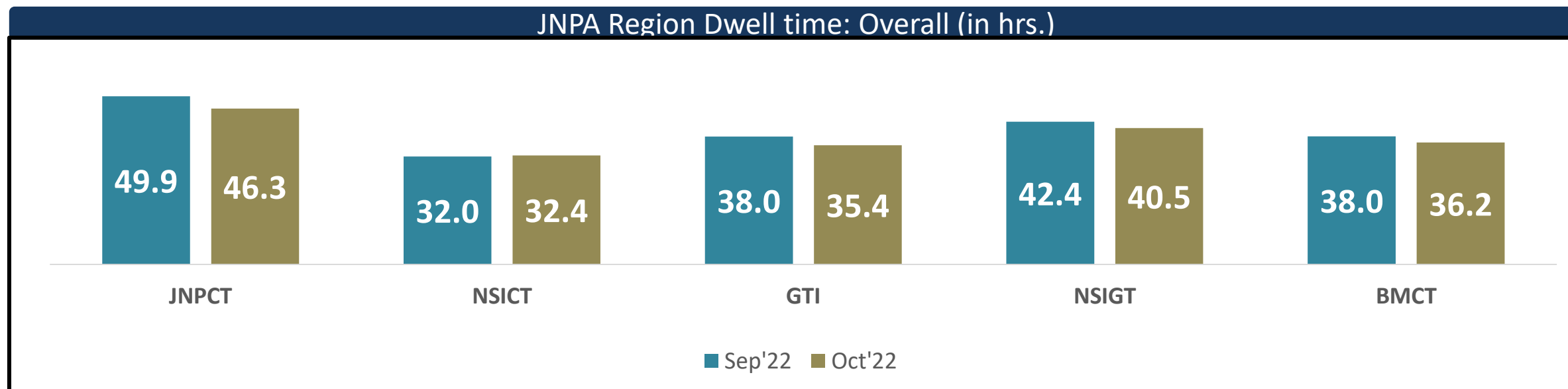


In Export cycle, for the month Oct'22 JNPA port catered 2% high volume than Mundra Port, and has maintained 32% lower dwell time than Mundra Port

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

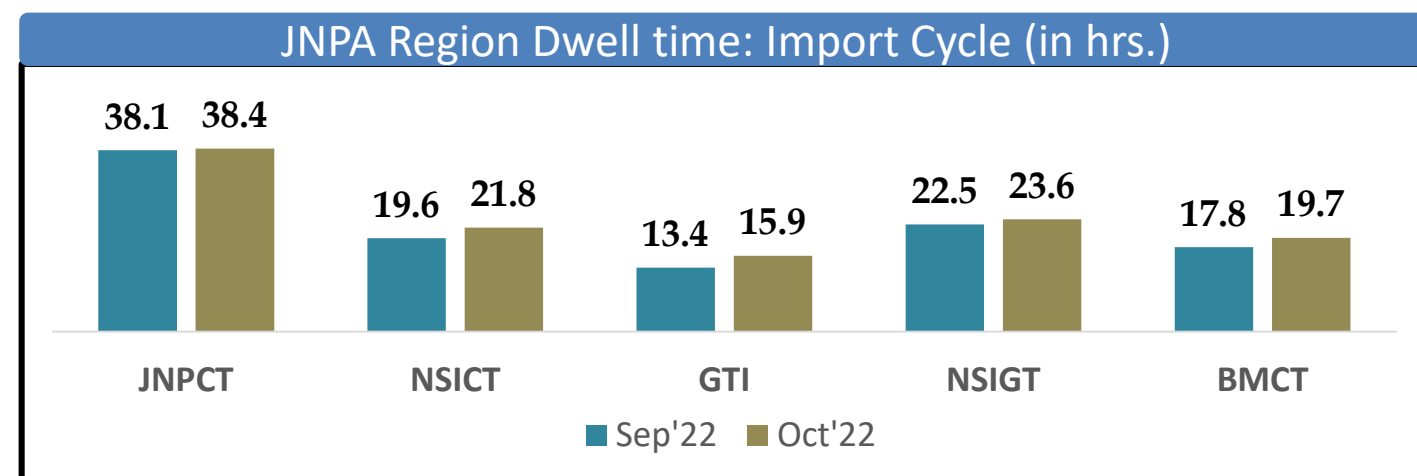


The overall JNPA region average dwell time for Oct'22 is 37.1 hrs as compared to 38.9 hrs in Sep'22

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Oct'22

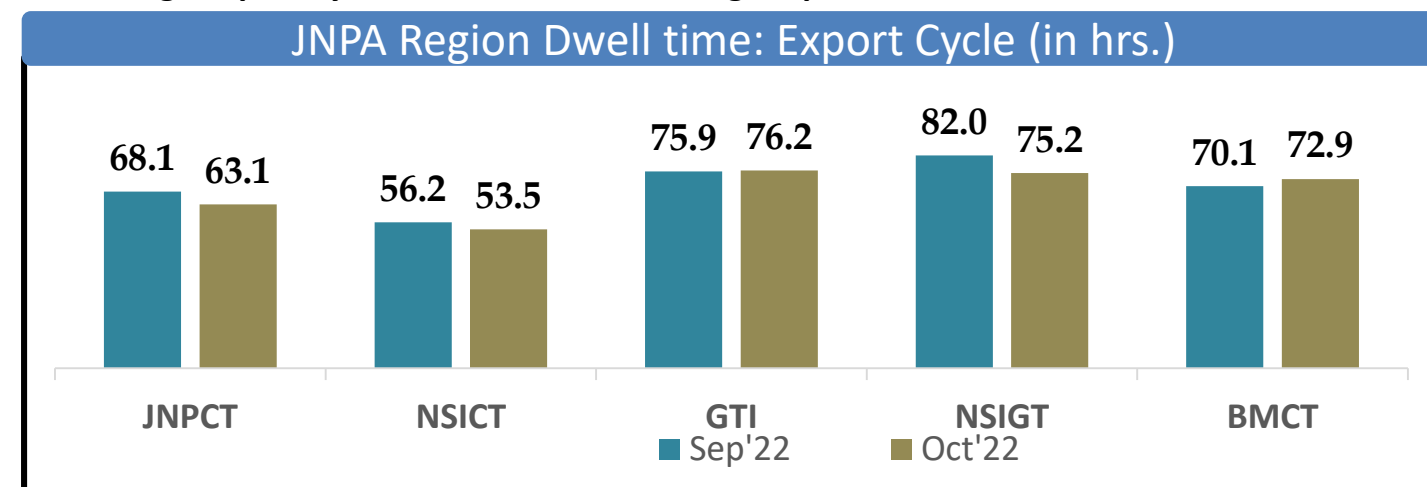
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Oct'22 is 20.6 hrs.



JNPA Export cycle Trend

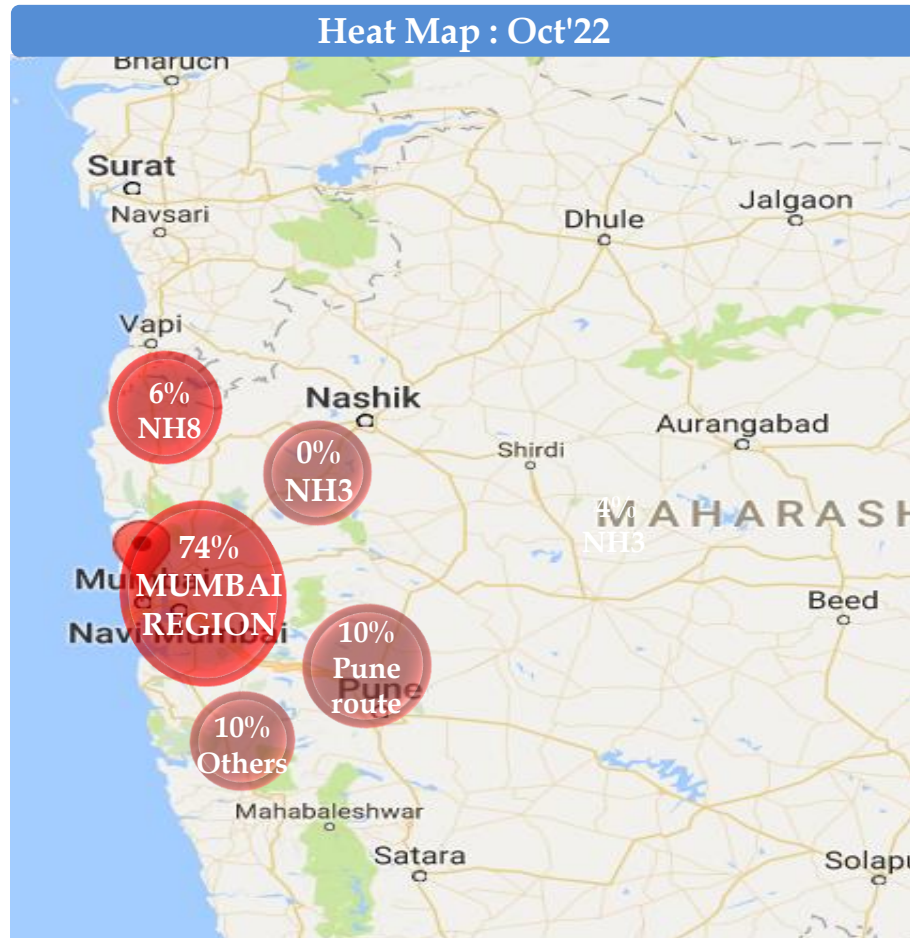
The average export cycle dwell time of JNPA region port terminals for Oct'22 is 69.7 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

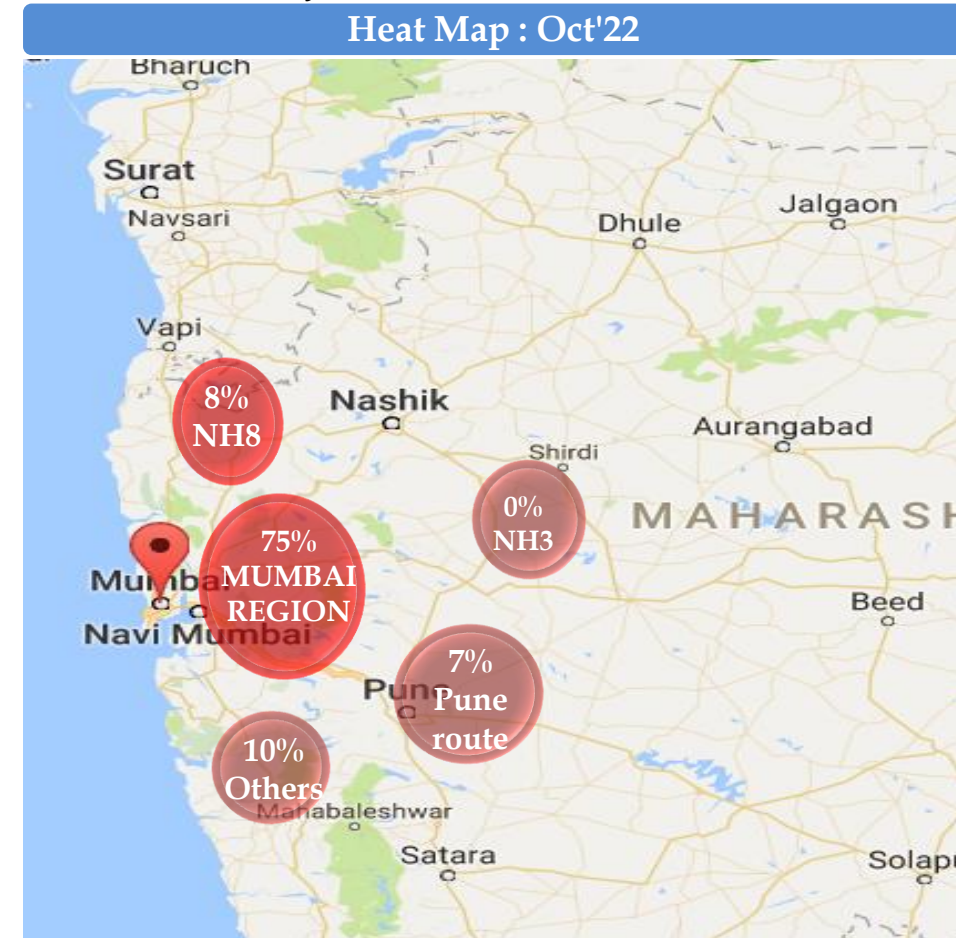
HEAT MAP : GTI Port Terminal



Region	Sep'22	Oct'22
Mumbai region	77%	74%
NH3	0%	0%
Pune	8%	10%
NH8	5%	6%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal



Region	Sep'22	Oct'22
Mumbai region	77%	75%
NH3	0%	0%
Pune	6%	7%
NH8	7%	8%
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

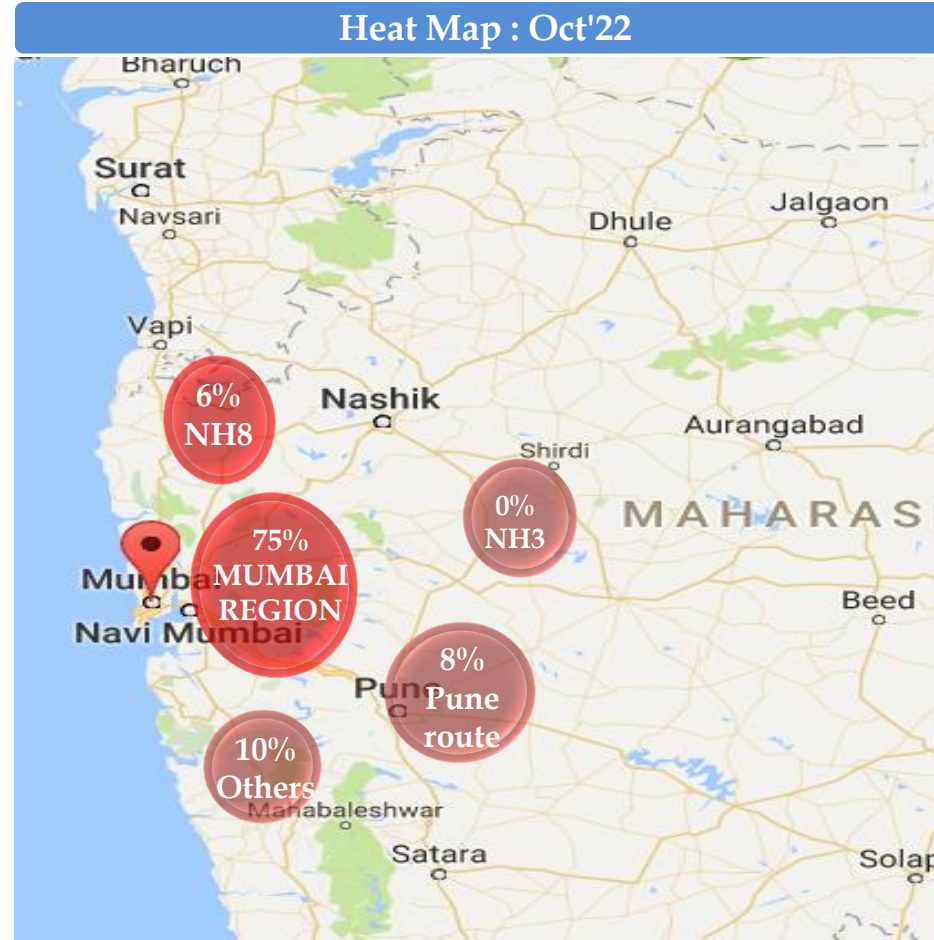
HEAT MAP : NSIGT Port Terminal



Region	Sep'22	Oct'22
Mumbai region	78%	76%
NH3	0%	0%
Pune	8%	9%
NH8	4%	5%
others	10%	10%

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

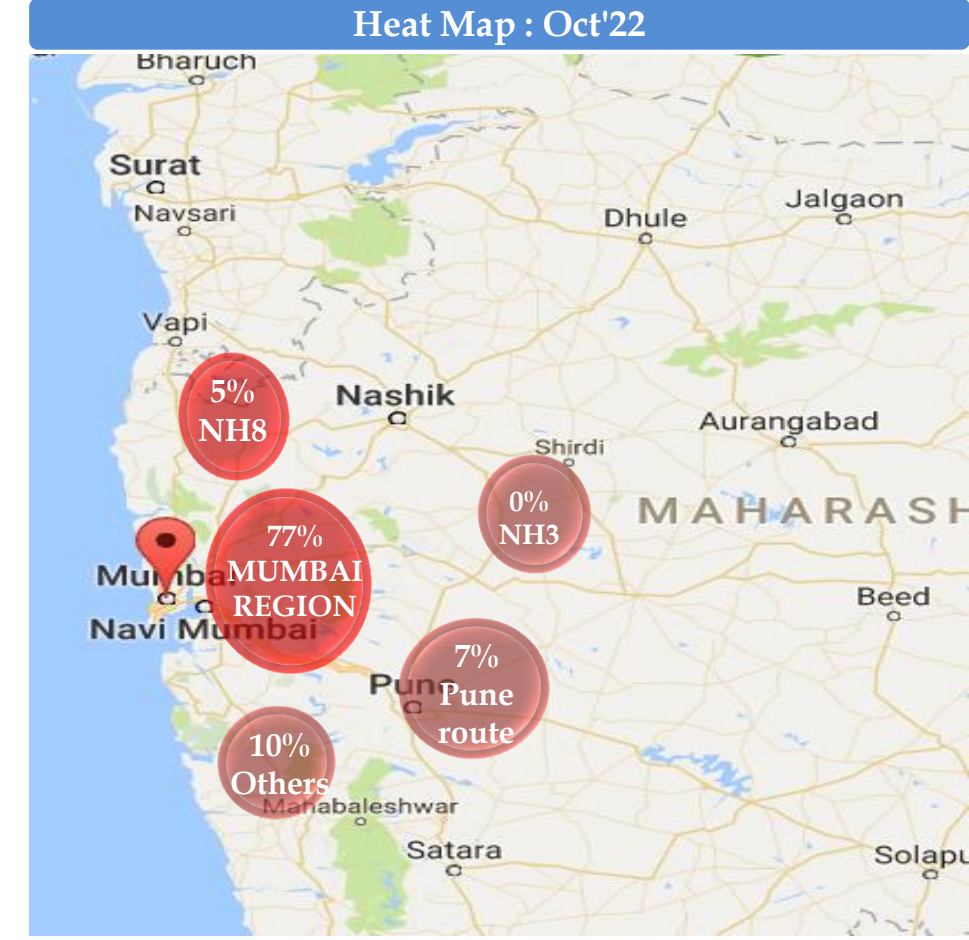
HEAT MAP : NSICT Port Terminal



Region	Sep'22	Oct'22
Mumbai region	77%	75%
NH3	0%	0%
Pune	8%	8%
NH8	5%	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	Sep'22	Oct'22
Mumbai region	81%	77%
NH3	0%	0%
Pune	4%	7%
NH8	5%	5%
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) – Oct'22 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.9	3.2	4.3	1.6	3.7
Punjab Conware CFS, Navi Mumbai	1.8	4.2	5.3	1.8	8.1
JWC Logistics Park CFS	2.5	3.0	3.7	2.1	5.0
Dronagiri Rail Terminal CFS, Navi Mumbai	2.7	2.7	2.7	1.7	3.4
Navkar Corporation Yard 2 CFS, Panvel	6.4	4.8	7.1	3.4	7.7
Vaishno Logistics CFS, Navi Mumbai	2.7	2.7	3.9	2.7	4.1
Speedy Multimode CFS, JNPT	1.9	2.3	2.8	2.0	4.6
Balmer & Lawrie CFS, Navi Mumbai	4.5	4.9	5.6	2.3	5.0
Navkar Corporation Yard 3 CFS, Panvel	3.8	4.1	6.4	4.1	6.7
Ashte Logistics CFS, Panvel	2.2	3.2	2.8	2.9	4.6
Continental Warehousing CFS, Navi Mumbai	3.3	1.8	2.4	1.7	3.6
SBW Logistics CFS, Navi Mumbai	-	6.3	6.8	-	8.0
Maharashtra State Corp CFS	3.3	2.6	3.8	2.3	3.8
International Cargo Terminal CFS	1.8	1.9	3.0	1.7	4.5
Seabird CFS, Navi Mumbai	4.0	2.5	3.1	1.8	4.8
Apollo Logisolutions CFS, Panvel	3.3	2.8	3.2	2.8	4.5
Ameya Logistics CFS, Navi Mumbai	2.9	2.2	2.7	2.3	4.3
AllCargo Logistics	1.7	2.8	3.3	2.1	4.3
Ocean Gate CFS, Panvel	4.2	2.8	4.9	2.8	5.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.1	3.7	6.3	1.9	5.8
Kerry Indev Logistics Pvt Ltd CFS	4.8	3.3	3.2	2.0	4.2
APM (Maersk India) CFS, Navi Mumbai	2.4	2.2	6.0	1.2	6.5

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) – Oct'22 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.4	2.6	2.7	2.3	2.6
APM (Maersk India) CFS, Navi Mumbai	2.5	2.3	2.2	1.7	2.4
International Cargo Terminal CFS	3.0	3.5	5.6	6.5	3.9
Ameya Logistics CFS, Navi Mumbai	2.2	2.6	2.9	2.4	2.7
AllCargo Logistics	2.4	2.6	2.7	2.5	2.5
Kerry Indev Logistics Pvt Ltd CFS	3.0	3.1	3.0	3.2	2.1
Navkar Corporation Yard 3 CFS, Panvel	4.5	4.6	4.3	3.9	4.6
Seabird CFS, Navi Mumbai	2.1	2.8	2.6	2.1	2.4
Balmer & Lawrie CFS, Navi Mumbai	1.7	3.3	2.3	2.0	2.4
Ashte Logistics CFS, Panvel	2.6	2.8	2.7	2.5	2.7
Continental Warehousing CFS, Navi Mumbai	1.5	1.7	1.9	1.8	1.8
Dronagiri Rail Terminal CFS, Navi Mumbai	2.2	3.8	6.0	3.8	17.5
Navkar Corporation Yard 1 CFS, Panvel	3.7	4.2	4.5	4.4	3.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5	3.2	2.6	2.7	2.9
Maersk Annex (APM)CFS, Navi Mumbai	1.7	2.4	1.8	2.5	2.1
Speedy Multimode CFS, JNPT	1.9	2.6	2.1	2.2	2.7
Apollo Logisolutions CFS, Panvel	2.5	3.7	8.2	3.0	3.3
Navkar Corporation Yard 2 CFS, Panvel	3.3	4.0	4.9	3.3	3.7
Punjab Conware CFS, Navi Mumbai	1.7	2.9	2.7	2.6	2.0
Vaishno Logistics CFS, Navi Mumbai	2.3	2.3	3.7	3.7	3.3
JWC Logistics Park CFS	2.5	3.8	3.8	3.9	3.6
SBW Logistics CFS, Navi Mumbai	3.4	3.3	4.3	5.3	5.1
Ocean Gate CFS, Panvel	3.2	4.1	4.0	3.7	4.0
Maharashtra State Corp CFS	2.7	2.9	2.9	2.3	2.5

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 JNPCT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Oct'22				
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	2.6	2.3
Cluster 2	6	13	2.9	3.2
Cluster 3	6	11	2.9	2.6
Cluster 4	1	13	2.3	2.7
Cluster 5	2	25	4.0	2.9
Cluster 6	6	25	3.8	3.3
Cluster 7	4	12	2.6	2.2
Cluster 8	1	34	3.3	6.3

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Oct'22				
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	1.9	1.9
Cluster 2	6	13	2.4	2.4
Cluster 3	6	11	2.2	3.0
Cluster 4	1	13	2.3	2.7
Cluster 5	2	25	2.8	3.3
Cluster 6	6	25	3.2	3.8
Cluster 7	4	12	2.2	2.9
Cluster 8	1	34	3.4	-

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 Oct'22				
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	2.8
Cluster 2	6	13	2.4	5.6
Cluster 3	6	11	2.8	3.4
Cluster 4	1	13	3.7	3.9
Cluster 5	2	25	3.9	4.3
Cluster 6	6	25	4.4	3.2
Cluster 7	4	12	2.7	2.7
Cluster 8	1	34	4.3	6.8

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Oct'22				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.2	2.0
Cluster 2	6	13	2.4	1.7
Cluster 3	6	11	2.0	1.8
Cluster 4	1	13	3.7	2.7
Cluster 5	2	25	3.8	2.4
Cluster 6	6	25	3.3	2.9
Cluster 7	4	12	2.4	2.1
Cluster 8	1	34	5.3	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Oct'22				
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	2.7	4.6
Cluster 2	6	13	2.5	5.0
Cluster 3	6	11	2.0	4.3
Cluster 4	1	13	3.3	4.1
Cluster 5	2	25	3.8	5.0
Cluster 6	6	25	3.3	4.6
Cluster 7	4	12	2.5	4.3
Cluster 8	1	34	5.1	8.0

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:

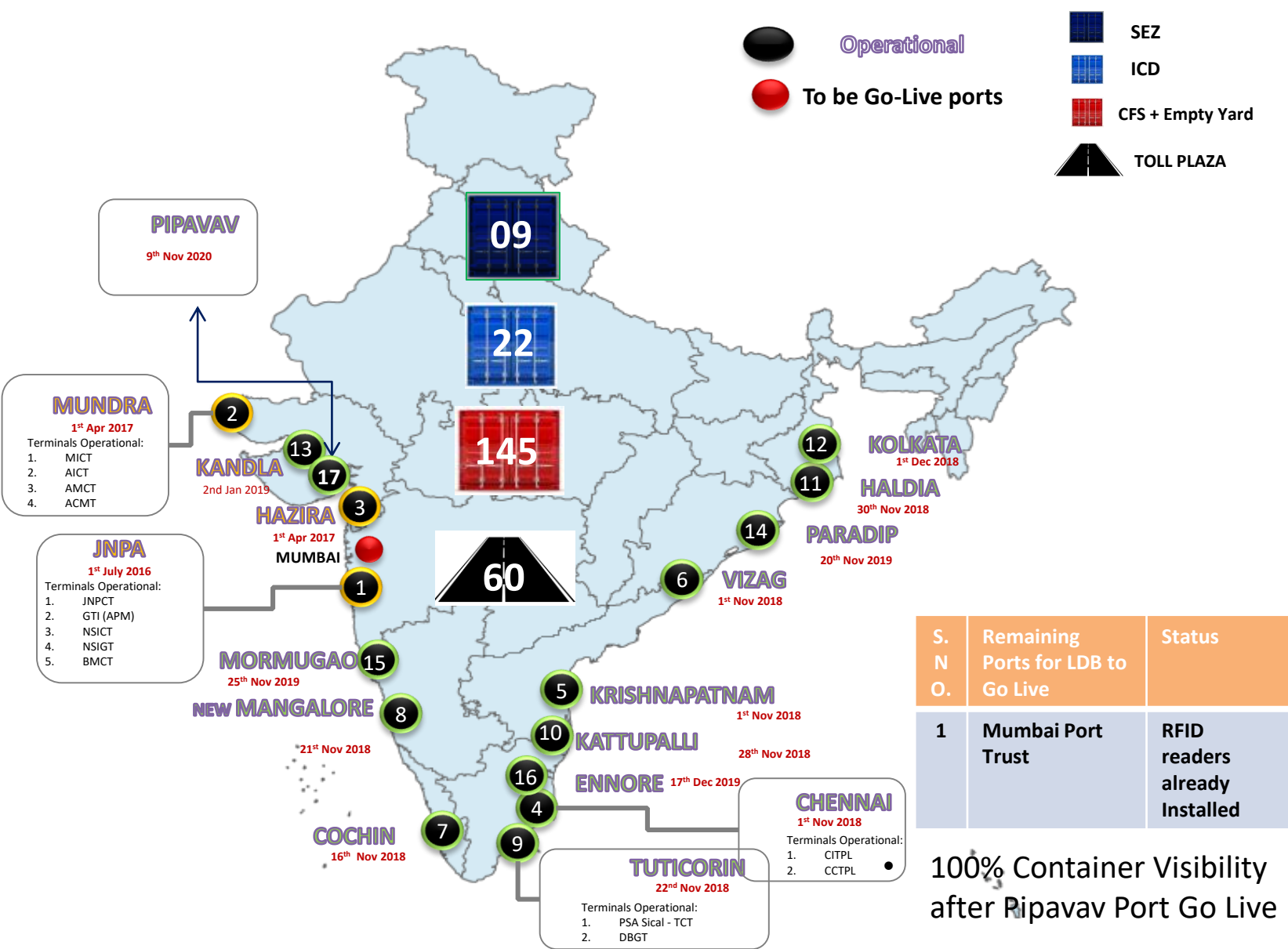
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
Agra	66.1	18.0	-	11.5	-	17.5
Ankleshwar	50.9	54.1	56.4	43.2	56.2	50.2
Ballabgarh	132.9	199.1	212.6	-	-	199.1
Baroda	40.6	45.0	51.5	36.8	37.5	37.9
Bengaluru	-	64.5	-	-	-	64.5
Boisar	35.4	42.4	49.8	39.5	35.5	39.3
Dadri	26.3	26.1	25.4	43.4	29.8	26.9
Daulatabad	32.3	48.7	65.8	83.4	65.0	54.5
Faridabad	111.9	78.9	164.9	191.8	43.6	106.9
Guwahati	185.1	188.1	160.4	200.4	155.9	182.3
Indore	79.9	32.9	44.0	156.2	149.9	78.6
Jaipur	54.7	39.5	122.7	137.6	-	57.7
Kanpur	72.8	84.5	92.8	107.2	88.9	96.8
Khatuwas	60.8	54.2	-	-	28.5	54.2
Khodiyar	50.6	65.5	56.4	68.4	95.6	53.3
Khopate	71.6	-	-	-	-	71.6
Ludhiana	129.6	36.8	82.5	218.8	44.5	50.5
Malanpur	46.2	34.6	49.4	49.8	71.7	47.1
Mandideep	24.5	29.5	30.7	44.9	44.9	33.2
Moradabad	16.5	28.8	5.6	27.8	23.5	26.6
Nagpur	57.6	49.3	32.7	66.2	46.2	48.7
Navi Mumbai	17.2	31.5	45.8	32.8	34.1	29.9
Pantnagar	-	-	-	37.7	-	37.7
Patparganj	48.7	82.5	72.2	-	-	71.2
Raipur	-	15.9	-	84.3	47.3	67.9
Rewari	-	-	62.6	-	-	62.6
Sanatnagar	37.7	47.3	37.7	49.3	37.2	41.6
Thimmapur	99.8	76.3	-	66.5	135.2	94.4
Tughlakabad	26.4	20.9	29.9	45.2	40.8	25.7
Umbergaon	50.7	34.5	45.2	38.8	33.4	42.0
Wardha	128.7	307.0	-	189.7	193.4	209.2

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	JNPCT	NSIGT	NSICT	Overall
AllCargo Logistics	10.5	-	-	10.7	10.3	10.5
Ameya Logistics CFS, Navi Mumbai	17.3	-	40.2	18.4	20.7	18.9
APM (Maersk India) CFS, Navi Mumbai	18.2	9.7	27.2	13.6	23.5	16.0
Apollo Logisolutions CFS, Panvel	13.2	14.2	21.7	15.5	17.4	15.2
Ashte Logistics CFS, Panvel	15.1	12.2	-	13.2	15.1	13.7
Balmer & Lawrie CFS, Navi Mumbai	22.8	20.0	43.5	22.1	21.9	22.6
Continental Warehousing CFS, Navi Mumbai	13.0	11.7	35.9	16.0	16.0	13.4
Dronagiri Rail Terminal CFS, Navi Mumbai	19.5	15.4	40.8	21.1	-	23.3
EFC Logistics	14.6	13.8	34.6	15.3	18.5	15.7
Gateway Distriparks CFS, Navi Mumbai	16.9	16.5	33.4	16.9	17.4	17.8
CWC Impex Park	16.7	15.8	36.6	18.1	22.8	18.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	26.0	29.0	27.8
JWC Logistics Park CFS	17.2	13.9	34.1	18.0	23.5	17.7
Kerry Indev Logistics Pvt Ltd CFS	15.6	12.9	31.8	17.9	14.0	16.9
Maharashtra State Corp CFS	17.5	13.7	49.9	26.4	53.2	26.7
Navkar Corporation	15.4	12.9	46.4	19.8	17.3	15.6
Ocean Gate CFS, Panvel	13.8	11.7	38.4	16.9	17.2	14.3
Sarveshwar Logistics	12.5	10.0	-	17.0	14.4	12.5
SBW Logistics CFS, Navi Mumbai	29.8	-	57.1	32.4	-	57.1
Seabird CFS, Navi Mumbai	18.2	-	42.2	20.1	19.7	20.5
Speedy Multimode CFS, JNPT	14.2	-	-	14.5	14.4	14.3
Take Care Logistics	18.7	12.0	39.9	15.2	14.7	15.7
TG Terminals	13.6	-	33.3	15.0	11.9	15.0
Vaishno Logistics CFS, Navi Mumbai	21.3	15.3	31.1	18.8	15.4	18.0



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



THANK YOU