





Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Oct'22 (in hrs)	Nov'22 (in hrs)	Port	Oct'22 (in hrs)	Nov'22 (in hrs)
JNPCT	38.4	33.5	JNPCT	63.1	63.7
NSICT	21.8	22.1	NSICT	53.5	51.2
GTI	15.9	15.5	GTI	76.2	70.6
NSIGT	23.6	21.6	NSIGT	75.2	82.5
BMCT/PSA	19.7	19.0	BMCT/PSA	72.9	72.2

Critical Incident Summary

Jawaharlal Nehru Port Authority

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Nov'22	19.4 hrs 	68.7 hrs 	84.1 	121.8 
Oct'22	20.6 hrs	69.7 hrs	82.2 hrs	111.5 hrs

Port Dwell Time

IMPORT

Mode	Oct'22 (in hrs)	Nov'22 (in hrs)
Overall	24.5	23.7
Truck	20.8	19.6
Train	57.4	68.2

EXPORT

Mode	Oct'22 (in hrs)	Nov'22 (in hrs)
Overall	84.2	83.5
Truck	78.8	78.7
Train	115.5	115.1

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Oct'22 (in hrs)	Nov'22 (in hrs)
CFS	82.8	86.3
ICD	111.5	121.8

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

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



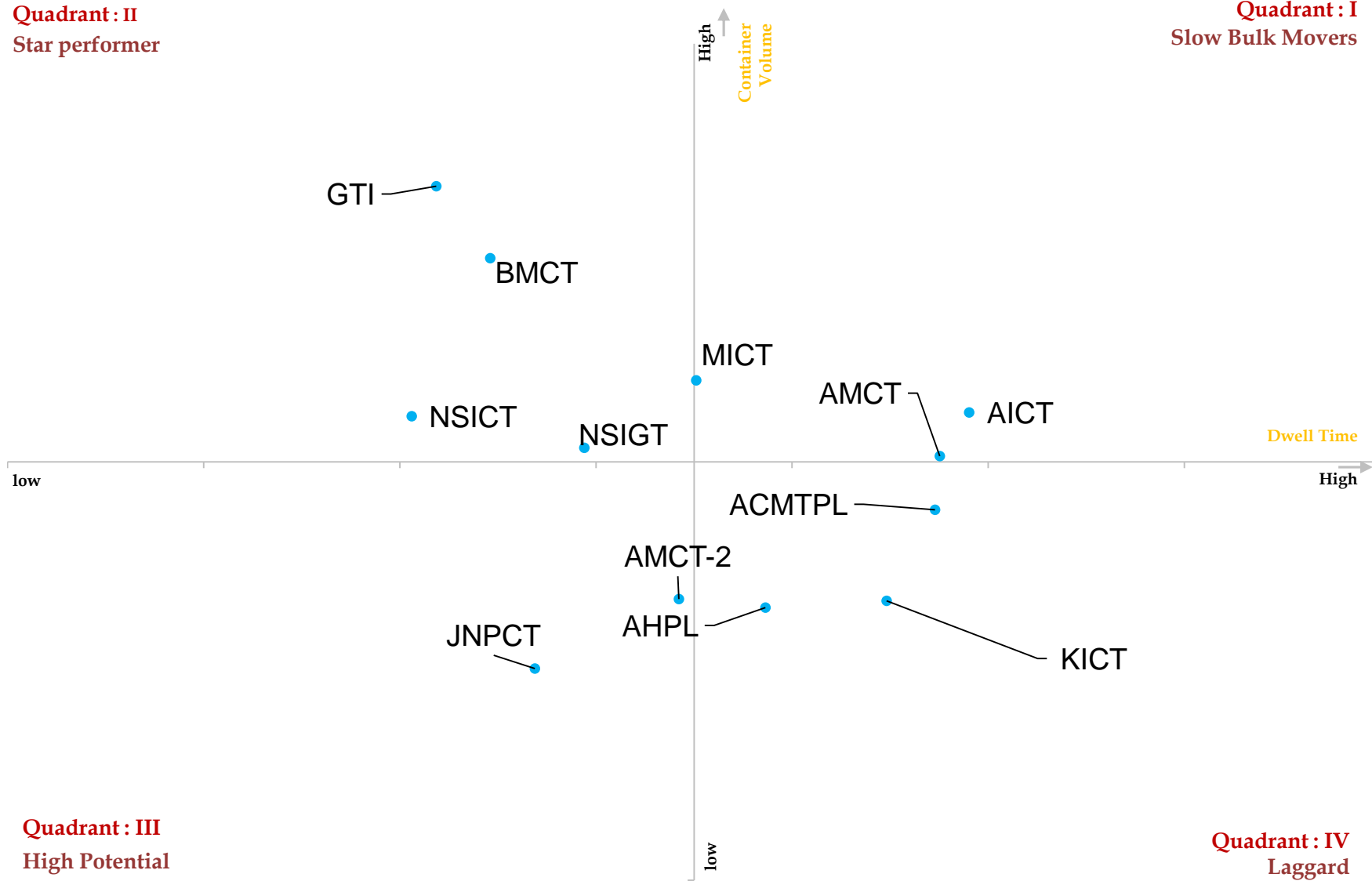
Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Nov'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 Nov'22

Top Performing Terminal		
Gateway Terminals India (GTI)		
Oct'22	Nov'22	↑
35.4 hrs	35.3 hrs	
Low Performing Terminal		
Kandla International Container Terminal (KICT)		
Oct'22	Nov'22	↓
57.7 hrs	71.4 hrs	

Note: The performance benchmarking is based on performance index



The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Oct'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	Oct'22 (in hrs)	Nov'22 (in hrs)
Overall	20.6	19.4
Truck	17.7	16.1
Train	45.2	63.1

Mode	Oct'22 (in hrs)	Spe'22 (in hrs)
Overall	69.7	68.7
Truck	68.6	67.4
Train	79.1	78.8

Transit Time

Towards ICD

Towards CFS

From ICD

From CFS

Transit Cycle	Oct'22 (in hrs)	Nov'22 (in hrs)
Port to ICD	115.6	94.8
Port to CFS	2.97	2.98

Transit Cycle	Oct'22 (in hrs)	Spe'22 (in hrs)
ICD to Port	92.0	113.2
CFS to Port	3.40	3.36

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

ICD

Entity	Oct'22 (in hrs)	Nov'22 (in hrs)
CFS	82.2	84.1
ICD	111.5	121.8

CFS

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	80%	20%
Export	80%	20%

■ The marked entries showcase the increase in performance as compared to Oct'22

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

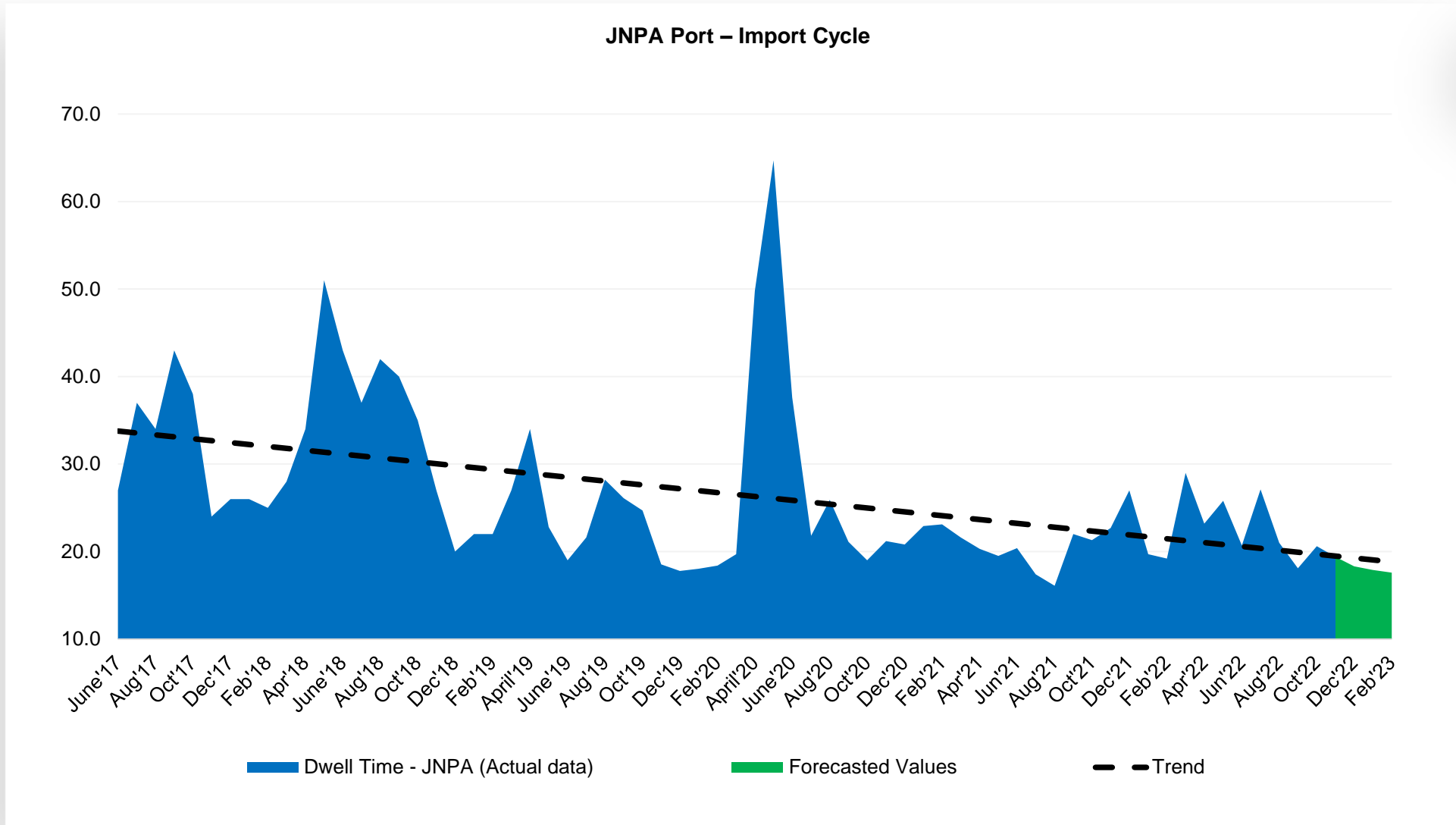
Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Nov'22 - in hrs)			Compared to Oct'22
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	19.4	5.8% ↓
	Port Dwell Time for Truck Bound Containers	16.1	9.0% ↓
	Port Dwell time for Train Bound Containers	63.1	39.6% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	28.8	3.7% ↑
	Port Dwell time Containers bound for CFS	14.0	14.6% ↓
	Port Dwell for Empty Containers	20.7	19.8% ↓
	Port Dwell for Laden Containers	19.2	2.5% ↓
TRANSIT TIME	Port to ICD	94.8	17.9% ↑
	Port to CFS	2.98	0.3% ↓

EXPORT CYCLE DWELL TIME (Nov'22- in hrs)			Compared to Oct'22
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	68.7	1.4% ↑
	Port Dwell Time for Truck Bound Containers	67.4	1.7% ↑
	Port Dwell time for Train Bound Containers	78.8	0.4% ↑
	Port Dwell time Direct Port Entry (DPE) containers	67.6	4.8% ↑
	Port Dwell time Containers bound from CFS	65.5	2.0% ↑
	Port Dwell for Empty Containers	59.9	5.7% ↑
	Port Dwell for Laden Containers	72.3	0.3% ↓
TRANSIT TIME	ICD to Port	113.2	23.0% ↓
	CFS to Port	3.36	1.2% ↓

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



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 minima in Feb'23.



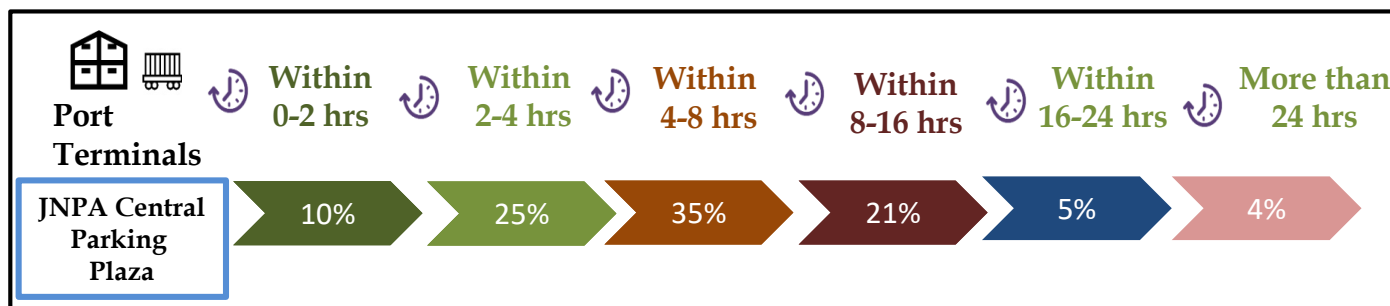
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Oct'22 (in hrs)	Nov'22 (in hrs)
Overall Parking Plaza	5.69	5.34

Container Handled: Day wise (Nov'22)



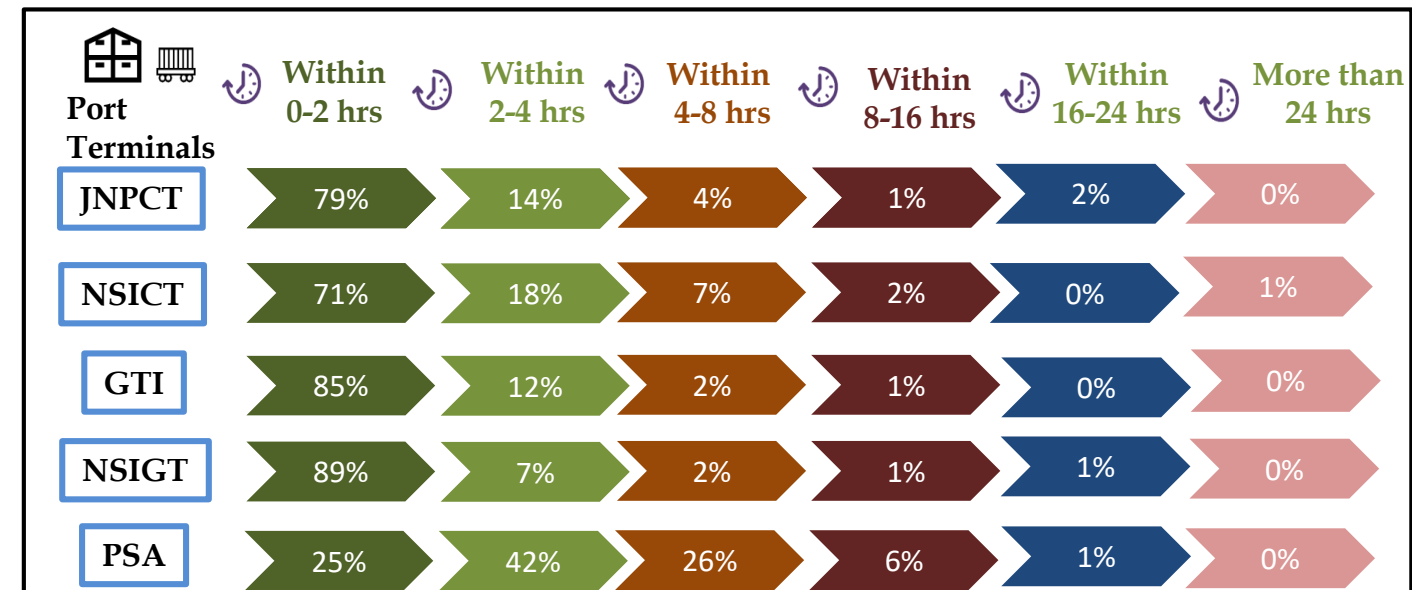
Parking Plaza Gate Out - Terminal In



Mode	Oct'22 (in hrs)	Nov'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.32	1.21

Port	Oct'22 (in hrs)	Nov'22 (in hrs)
JNPCT	1.2	1.1
NSICT	1.3	0.9
GTI	1.0	1.0
NSIGT	0.7	0.5
BMCT	3.1	3.0

Container Handled: Day wise (Nov'22)





Performance Benchmarking



Top Performing CFS	
Saurashtra CFS, Mundra	
Oct'22	Nov'22
80.3 hrs	77.0 hrs ↑

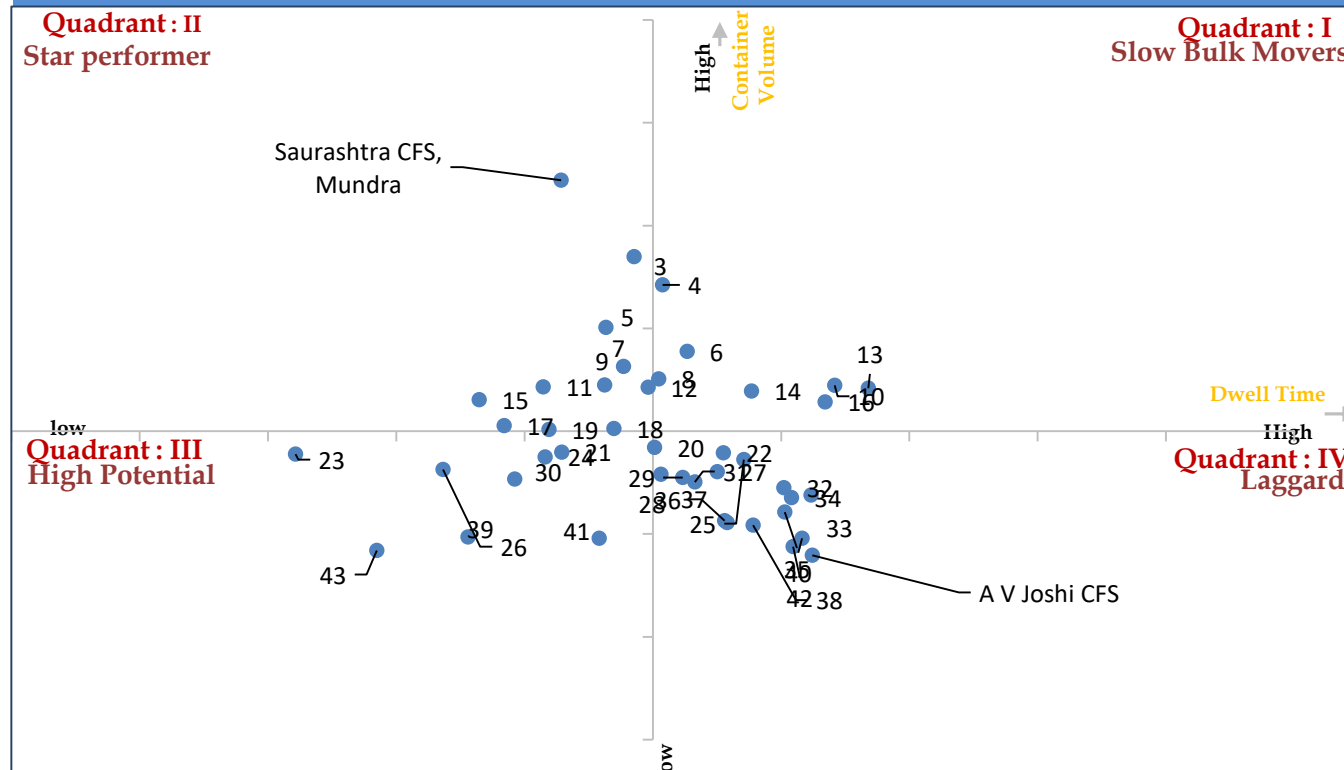
Low Performing CFS	
A V Joshi CFS	
Oct'22	Nov'22
88.6 hrs	107.7 hrs ↓

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

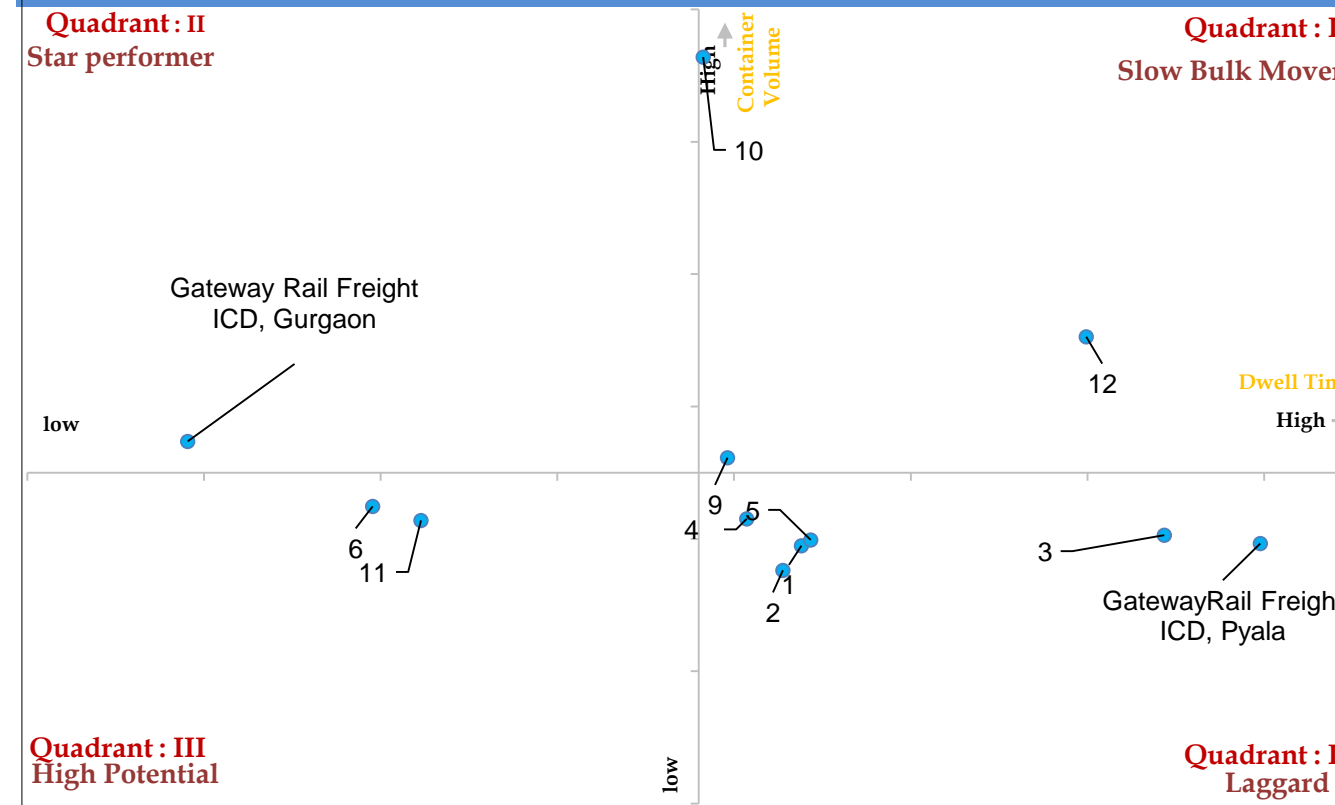
Top Performing ICD	
Gateway Rail Freight ICD, Gurgaon	
Oct'22	Nov'22
101.0 hrs	88.0 hrs ↑

Low Performing ICD	
Gateway Rail Freight ICD, Pyala	
Oct'22	Nov'22
129.0 hrs	156.0 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

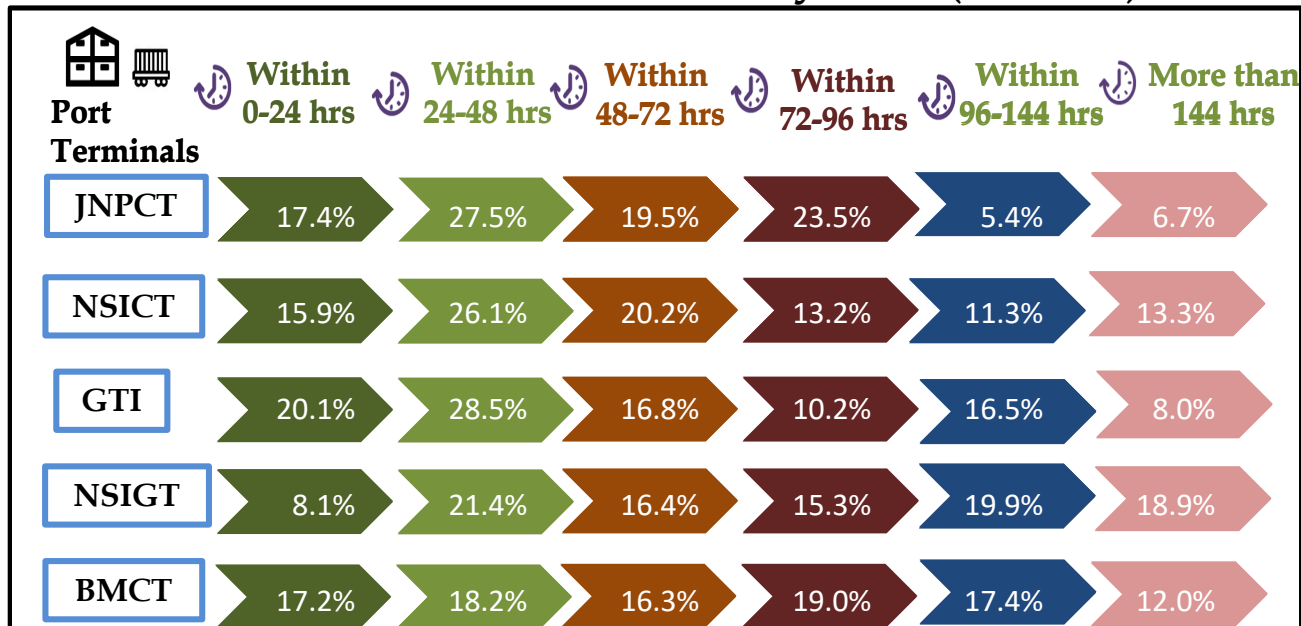
PORT IMPORT via TRAIN

(20% 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	Oct'22 (in hrs)	Nov'22 (in hrs)
JNPCT	42.5	49.2
NSICT	45.3	56.9
GTI	38.9	49.4
NSIGT	54.9	79.0
BMCT	44.8	69.3

Container Handled: Day wise (Nov'22)



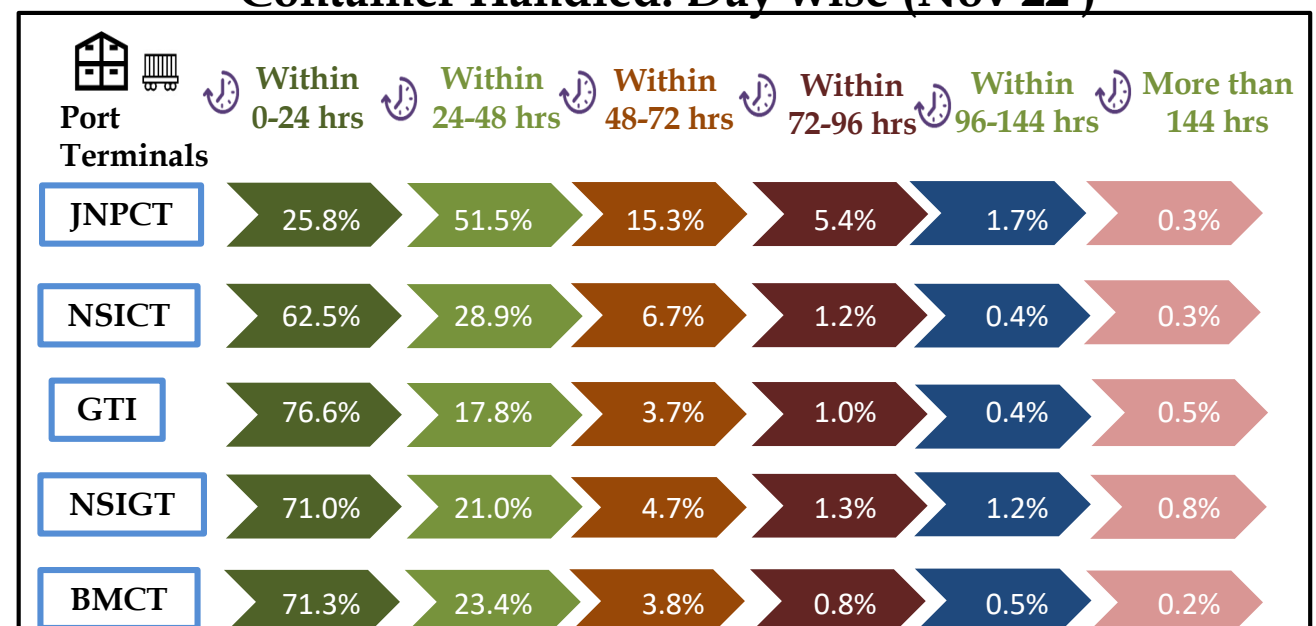
PORT IMPORT via TRUCK

(80% 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	Oct'22 (in hrs)	Nov'22 (in hrs)
JNPCT	37.8	32.3
NSICT	19.2	19.4
GTI	14.1	13.3
NSIGT	18.9	15.6
BMCT	17.1	15.6

Container Handled: Day wise (Nov'22)



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

JNPCT		
Port Dwell time based on transit type		
Oct'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	41.9 hrs	30.4 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	32.9 hrs	36.6 hrs

GTI		
Port Dwell time based on transit type		
Oct'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.1 hrs	12.0 hrs
Port Dwell time based on transit type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	15.4 hrs	17.3 hrs

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

NSICT		
Port Dwell time based on transit type		
Oct'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	35.6 hrs	17.7 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	22.7 hrs	19.8 hrs

NSIGT		
Port Dwell time based on transit type		
Oct'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	52.5 hrs	13.6 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	21.7 hrs	21.3 hrs

BMCT		
Port Dwell time based on transit type		
Oct'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	22.6 hrs	13.7 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	18.9 hrs	19.4 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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



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
- 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

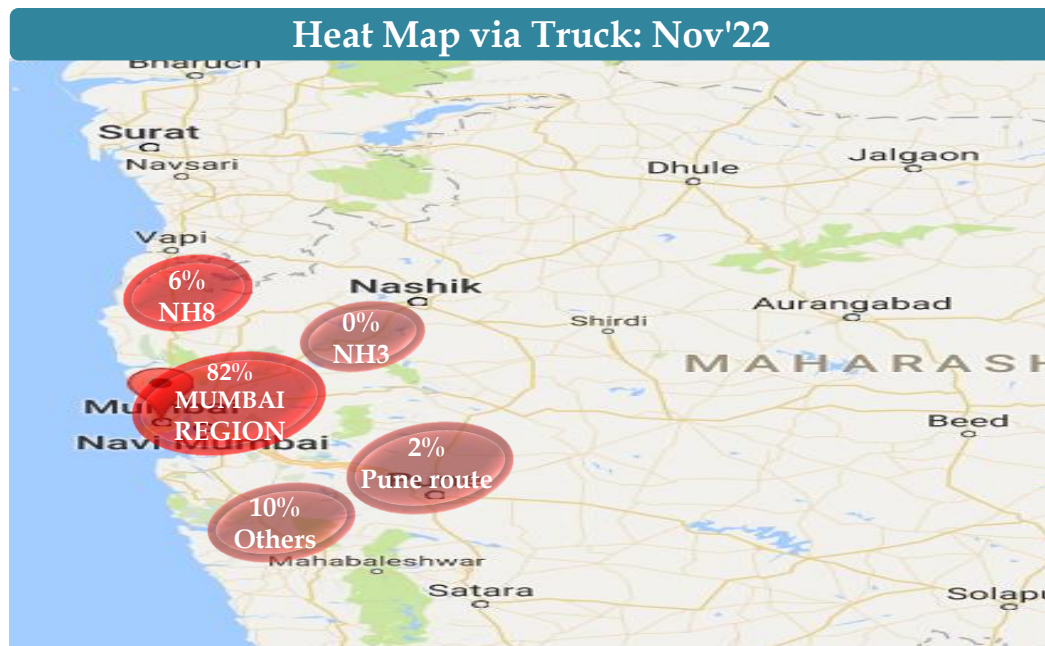
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Nov'22
Mumbai region	82%
NH3	0%
Pune	2%
NH8	6%
others	10%

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

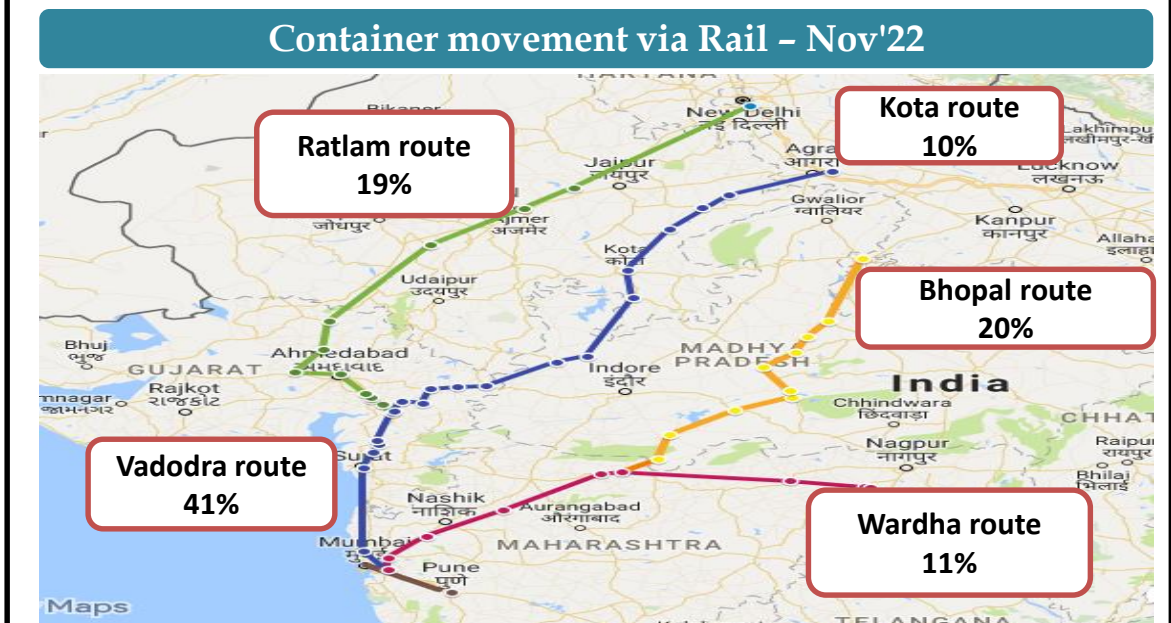


Train

VOLUME WISE CONTAINER MOVEMENT

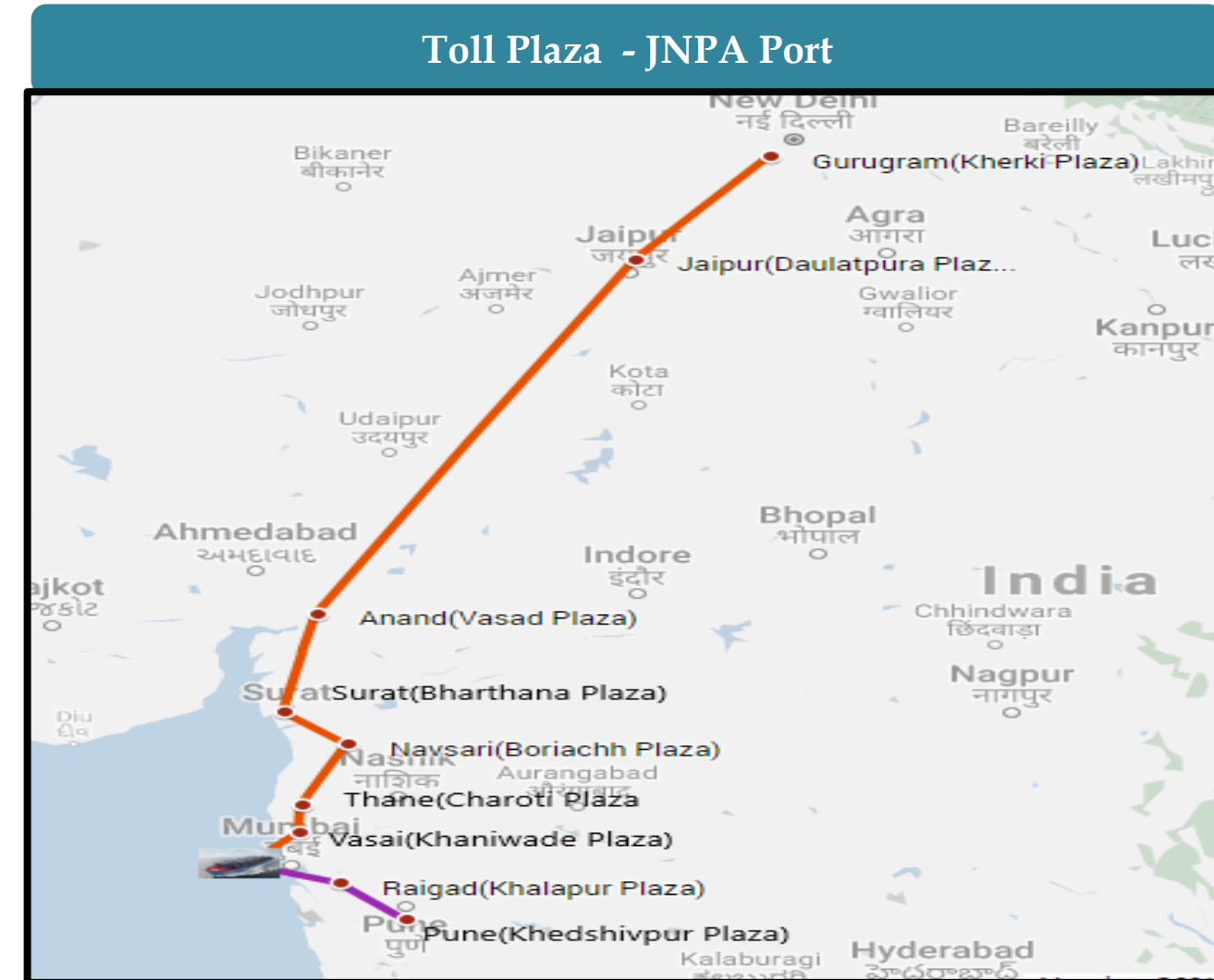
Region	Nov'22
Vadodra Route	41%
Ratlam Route	19%
Wardha Route	11%
Kota Route	10%
Bhopal Route	20%

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)	Oct'22 (in km/hrs)	Nov'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	21.7	-
	JNPA	Khalapur	60	16.0	17.5
	Khaniwade	Charoti	50	33.2	35.7
	Charoti	Boriach	126	25.7	24.7
	Boriach	Bharthan	142	30.4	31.4
	Bharthan	Vasad	60	37.8	38.2
	Khalalpur	Khedshivpur	105	30.1	33.3



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

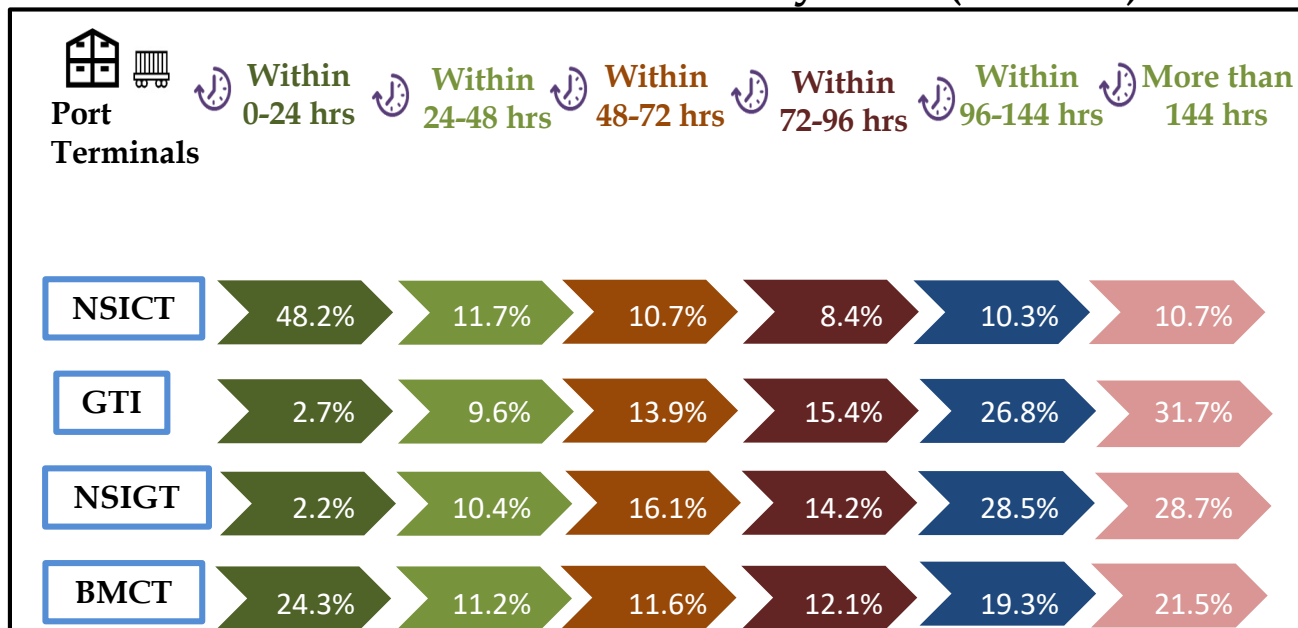
(20% of total export volume at JNPA Port)

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	Oct'22 (in hrs)	Nov'22 (in hrs)
NSICT	17.0	26.6
GTI	117.2	112.7
NSIGT	94.9	104.5
BMCT	70.6	78.0

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

Container Handled: Day wise (Nov'22)



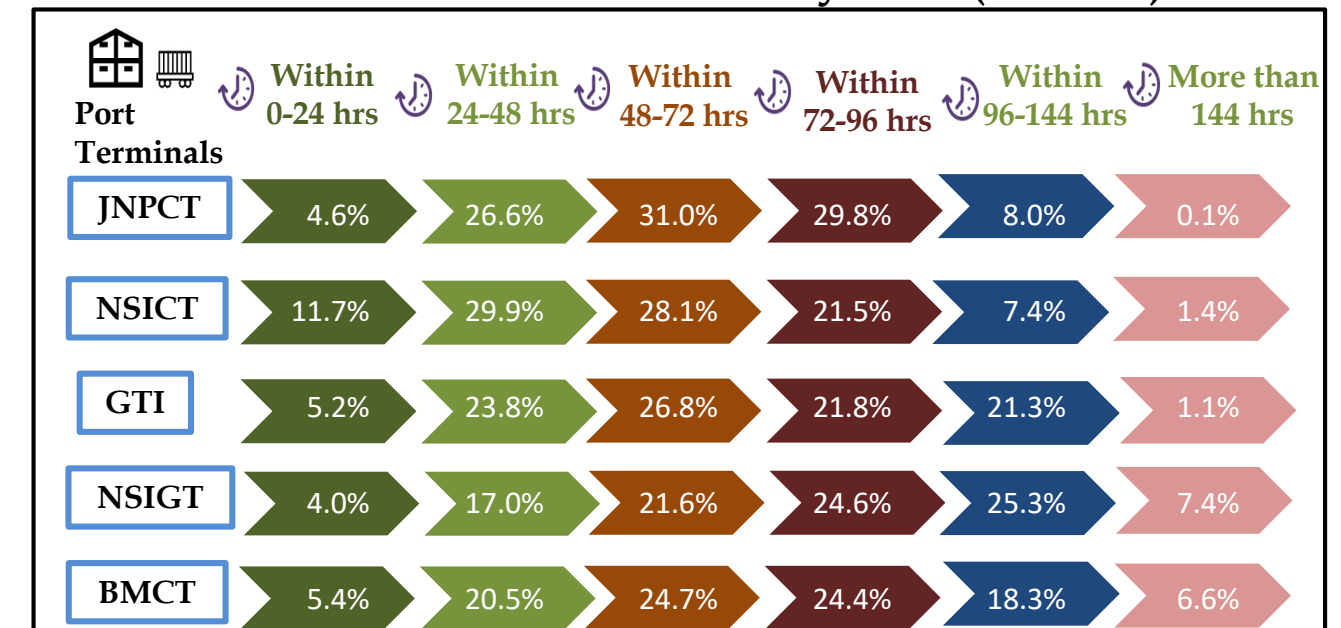
PORT EXPORT via TRUCK

(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	Oct'22 (in hrs)	Nov'22 (in hrs)
JNPCT	63.2	63.4
NSICT	58.4	54.8
GTI	71.8	66.4
NSIGT	71.7	79.8
BMCT	73.4	71.4

Container Handled: Day wise (Nov'22)



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

JNPCT		
Port Dwell time based on transit type		
Oct'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	56.3 hrs	65.6 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	57.0 hrs	69.8 hrs

GTI		
Port Dwell time based on transit type		
Oct'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	68.7 hrs	64.5 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	73.1 hrs	65.5 hrs

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

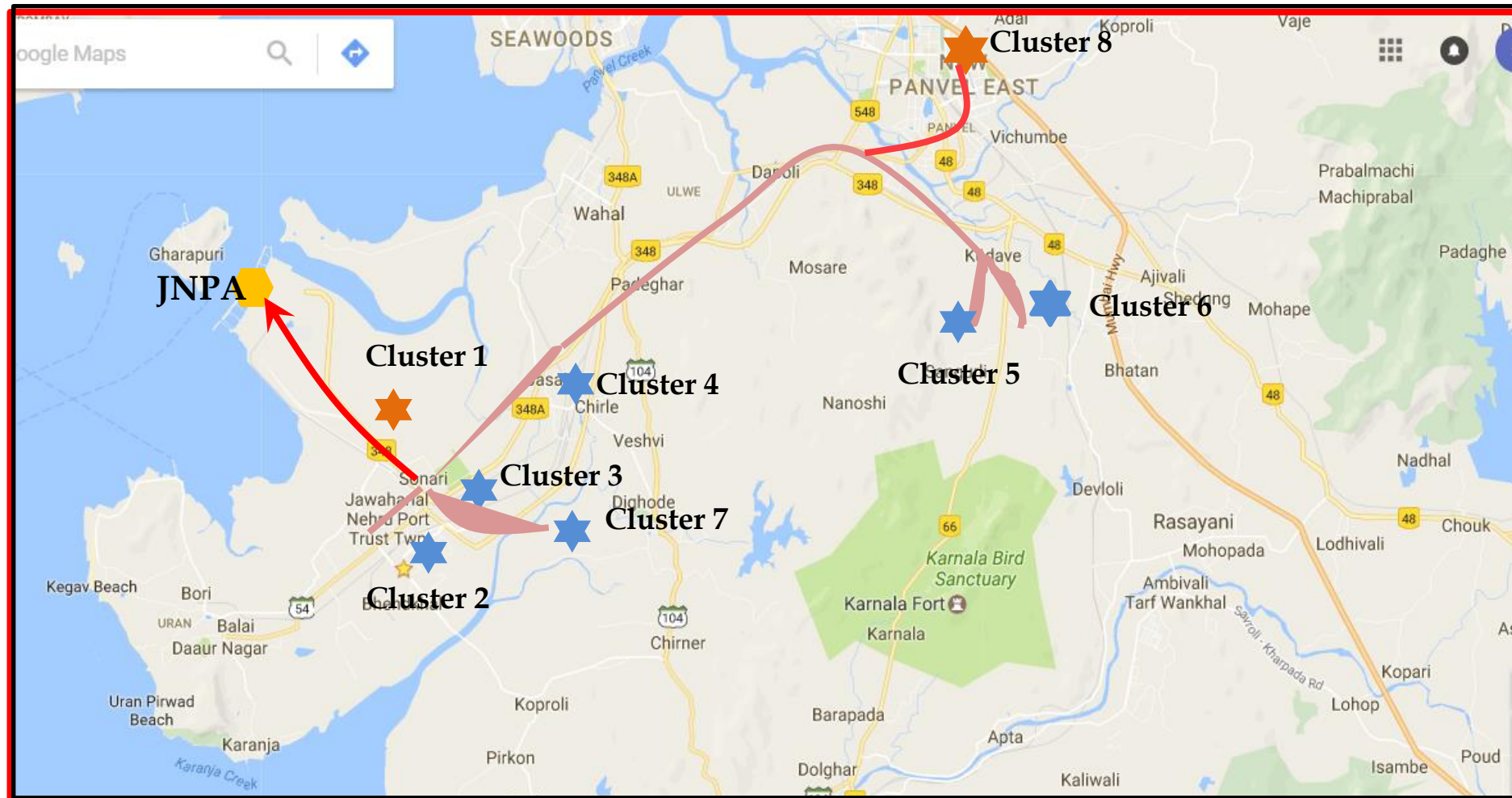
NSICT		
Port Dwell time based on transit type		
Oct'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	131.4 hrs	56.1 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	56.4 hrs	41.6 hrs

NSIGT		
Port Dwell time based on transit type		
Oct'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	76.5 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	83.5 hrs	37.2 hrs

BMCT		
Port Dwell time based on transit type		
Oct'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	68.2 hrs
Port Dwell time based on container type		
Oct'22	Laden Containers	Empty Containers
Dwell time (in hrs)	77.4 hrs	65.7 hrs

JNPA Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPA Area
CLUSTER 8	Taloja, Navi Mumbai

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

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

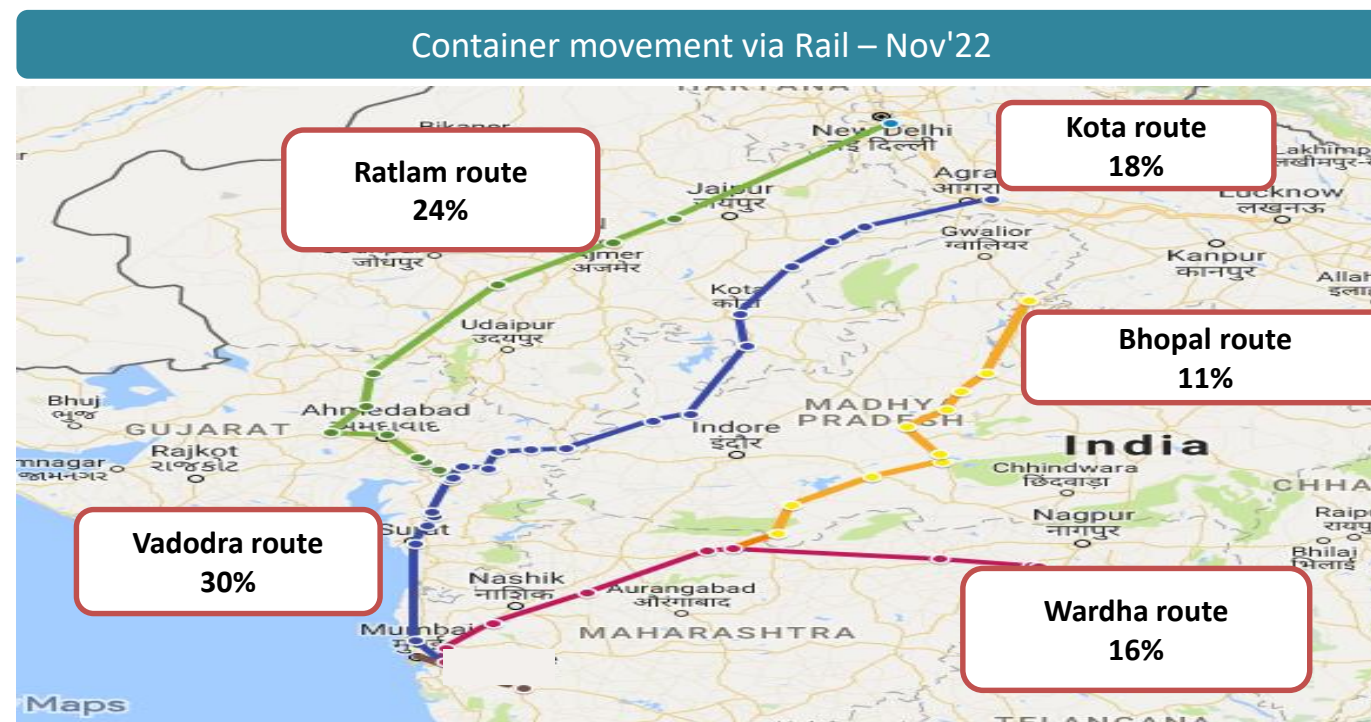
Congestion Level

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	30%
Ratlam Route	24%
Wardha Route	16%
Kota Route	18%
Bhopal Route	11%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

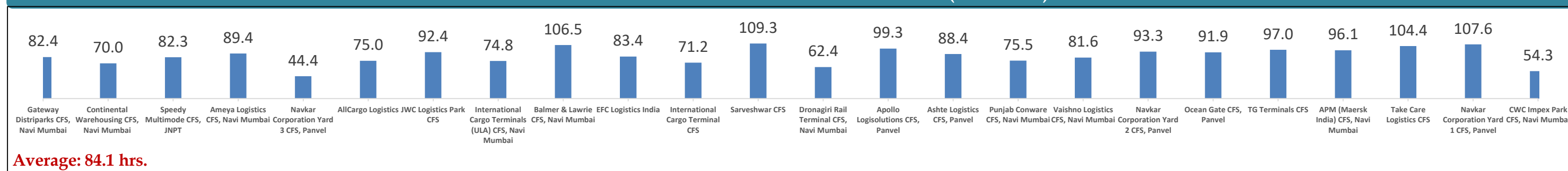
Below table and graphs show the dwell time of the respective CFSs for the month of Nov'22

CFS Dwell Time (in hrs.)

CFS	Oct'22 (in hrs)	Nov'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	81.3	82.4
Continental Warehousing CFS, Navi Mumbai	79.6	70.0
Speedy Multimode CFS, JNPT	75.7	82.3
Ameya Logistics CFS, Navi Mumbai	91.5	89.4
Navkar Corporation Yard 3 CFS, Panvel	84.3	44.4
AllCargo Logistics	76.4	75.0
JWC Logistics Park CFS	80.3	92.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	70.3	74.8
Balmer & Lawrie CFS, Navi Mumbai	90.5	106.5
EFC Logistics India	75.7	83.4
International Cargo Terminal CFS	71.1	71.2
Sarveshwar CFS	111.7	109.3

CFS	Oct'22 (in hrs)	Nov'22 (in hrs)
Dronagiri Rail Terminal CFS, Navi Mumbai	76	62.4
Apollo Logisolutions CFS, Panvel	96.2	99.3
Ashte Logistics CFS, Panvel	80.5	88.4
Punjab Conware CFS, Navi Mumbai	74.9	75.5
Vaishno Logistics CFS, Navi Mumbai	82.3	81.6
Navkar Corporation Yard 2 CFS, Panvel	86.1	93.3
Ocean Gate CFS, Panvel	87.9	91.9
TG Terminals CFS	78	97.0
APM (Maersk India) CFS, Navi Mumbai	95.4	96.1
Take Care Logistics CFS	88.9	104.4
Navkar Corporation Yard 1 CFS, Panvel	98.8	107.6
CWC Impex Park CFS, Navi Mumbai	66.7	54.3

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

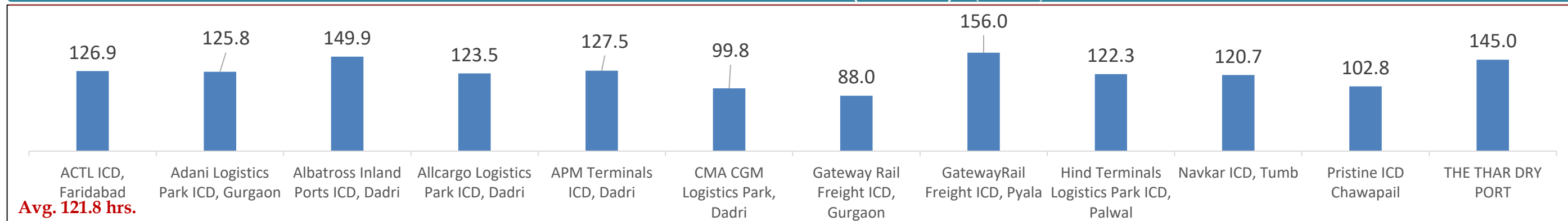


ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Oct'22 (in hrs)	Nov'22 (in hrs)
ACTL ICD, Faridabad	106.8	126.9
Adani Logistics Park ICD, Gurgaon	116.2	125.8
Albatross Inland Ports ICD, Dadri	95.6	149.9
Allcargo Logistics Park ICD, Dadri	107.3	123.5
APM Terminals ICD, Dadri	112.7	127.5
CMA CGM Logistics Park, Dadri	94.8	99.8
Gateway Rail Freight ICD, Gurgaon	101	88.0
GatewayRail Freight ICD, Pyala	129	156.0
Hind Terminals Logistics Park ICD, Palwal	142.9	122.3
Navkar ICD, Tumb	108.7	120.7
Pristine ICD Chawapail	92.4	102.8
THE THAR DRY PORT	121.1	145.0

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

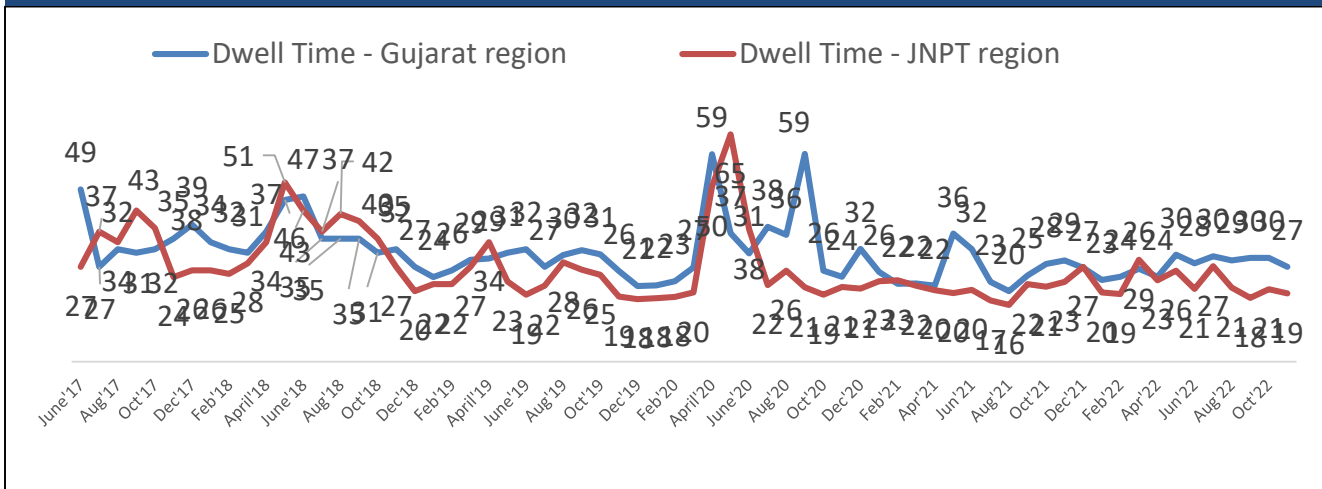


Trend Analysis

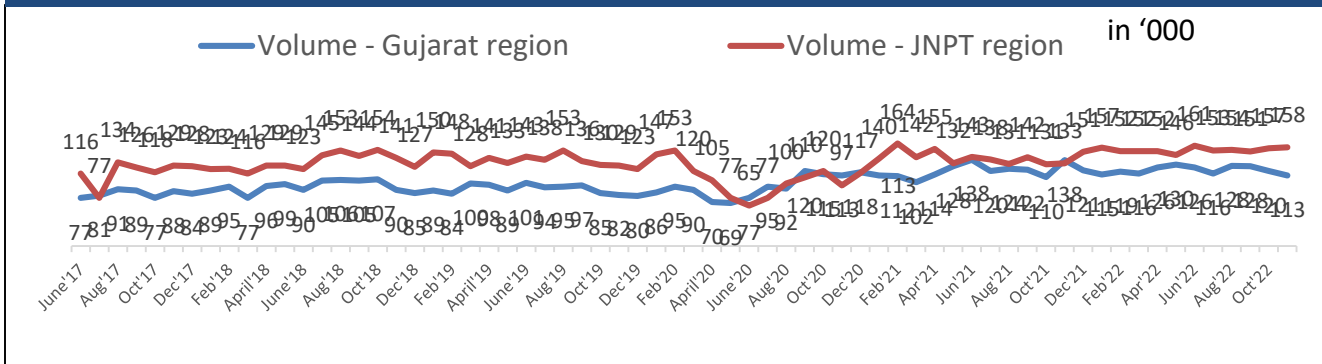
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Nov'22

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



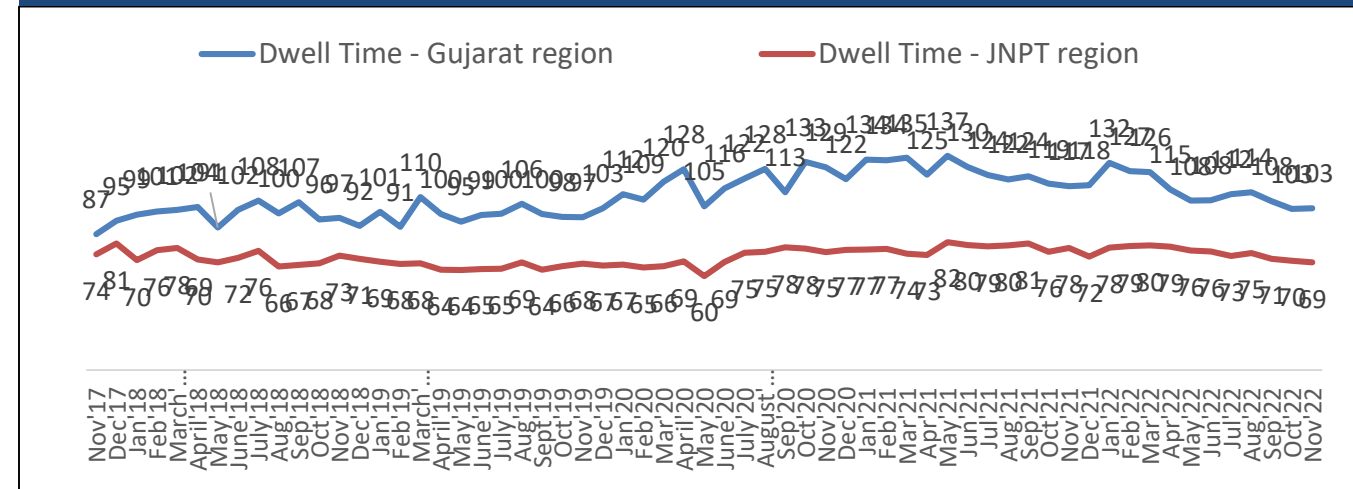
Volume – Mundra Region Vs JNPA Region



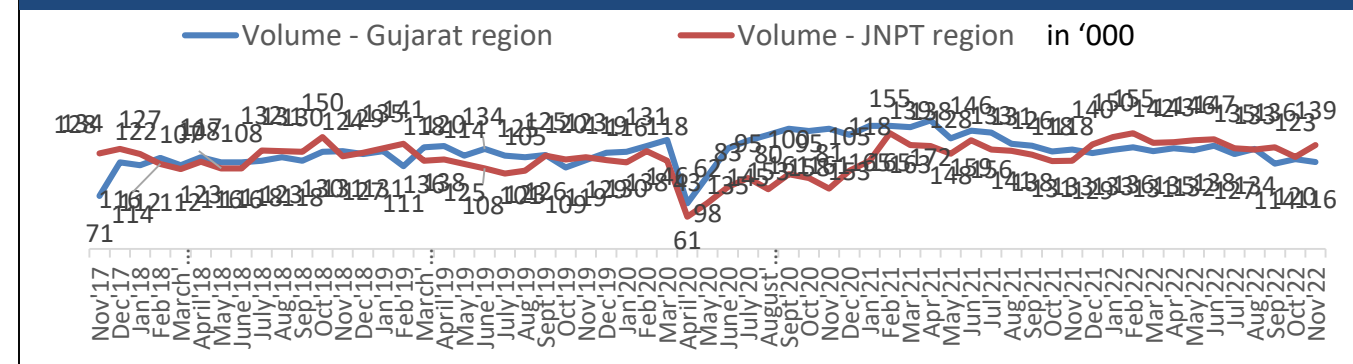
In Import cycle, for the month of Nov'22 Mundra port has catered 28.3% less volume than JNPA Port, and has performed with 39.3% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



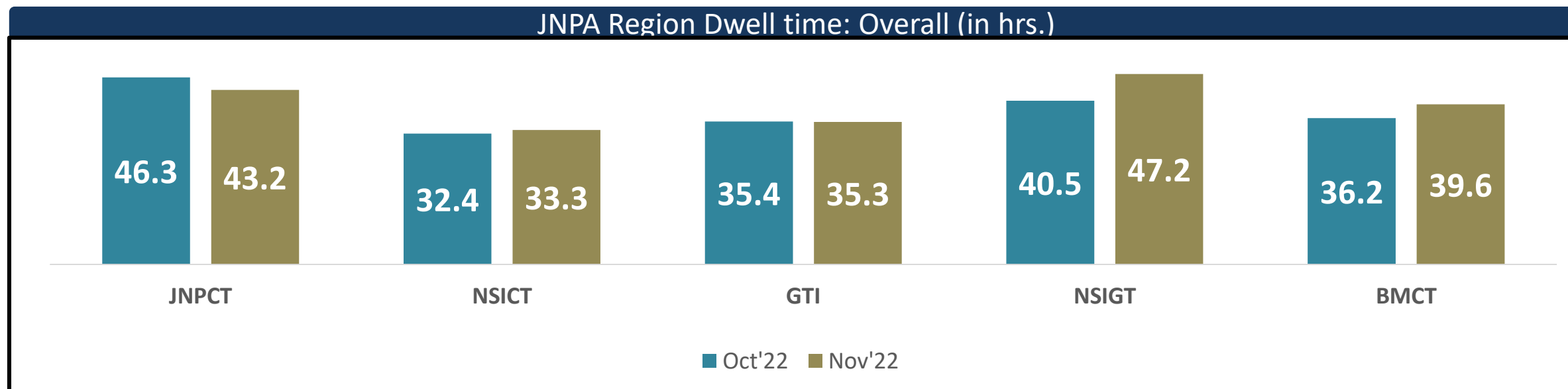
Volume – Mundra Region Vs JNPA Region



In Export cycle, for the month Nov'22 JNPA port catered 19.5% high volume than Mundra Port, and has maintained 33.4% lower dwell time than Mundra Port

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



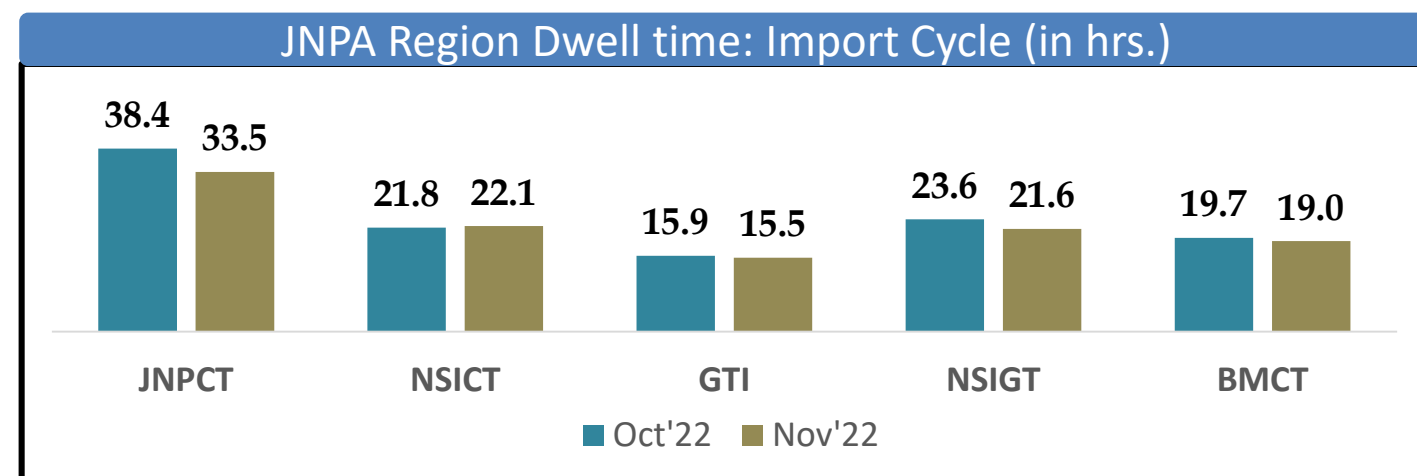
The overall JNPA region average dwell time for Nov'22 is **38.1 hrs** as compared to **37.1 hrs** in Oct'22

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



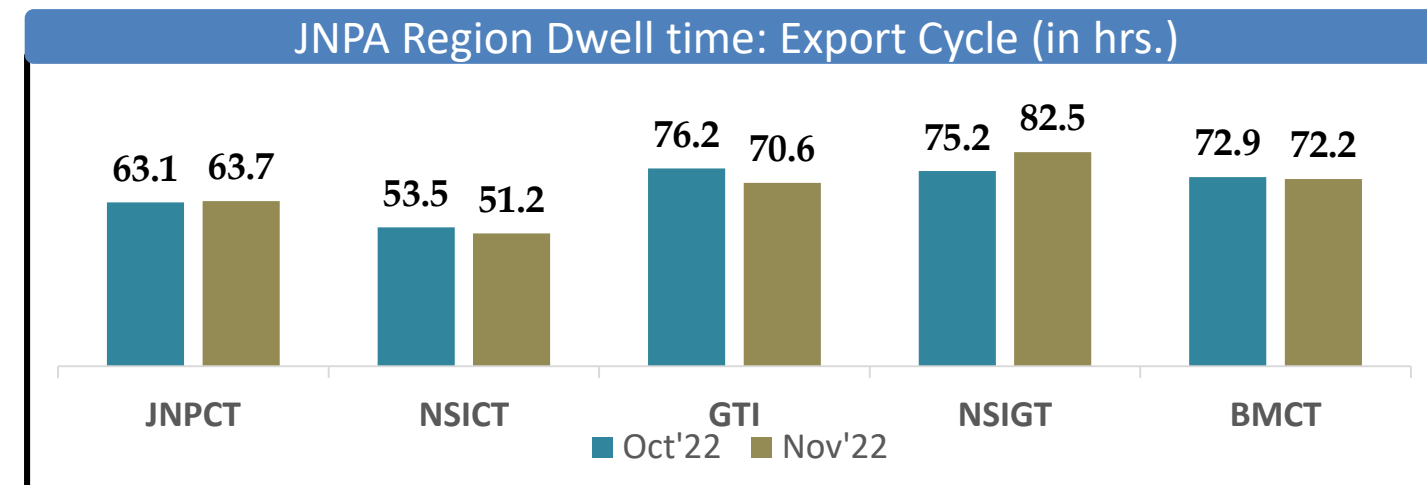
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Nov'22 is **19.4 hrs.**



JNPA Export cycle Trend

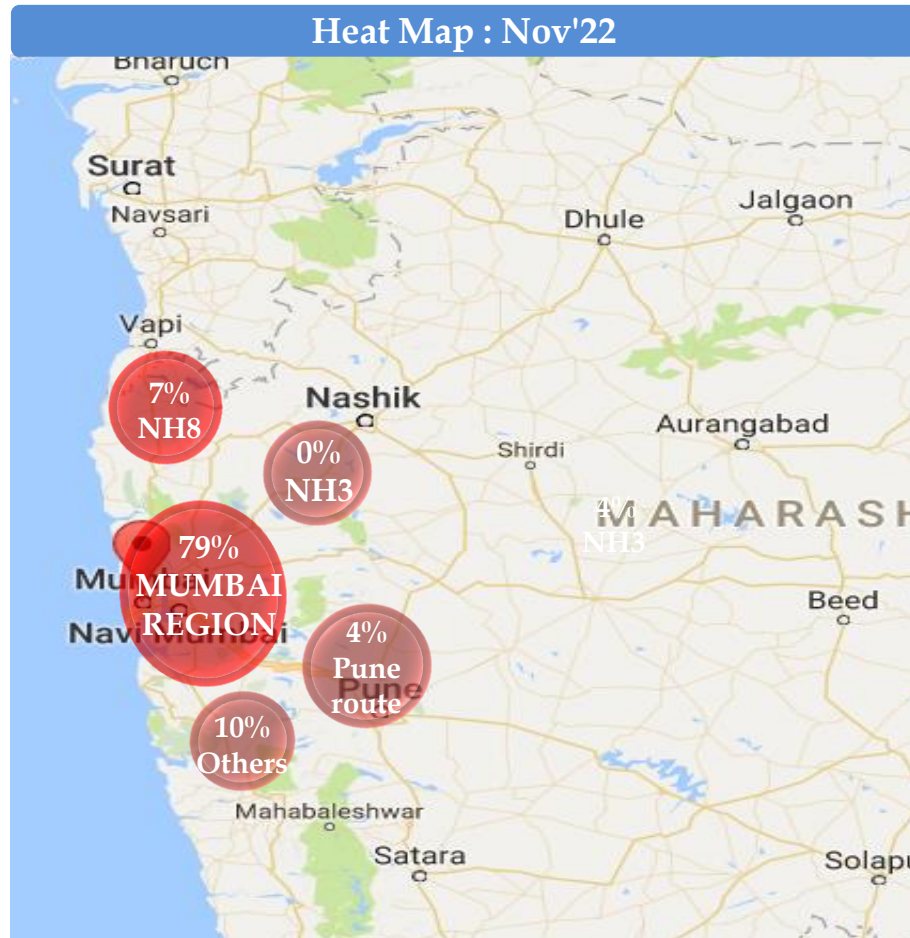
The average export cycle dwell time of JNPA region port terminals for Nov'22 is **68.7 hrs.**



ANNEXURE

Container movement around JNPA Port terminal region via Truck

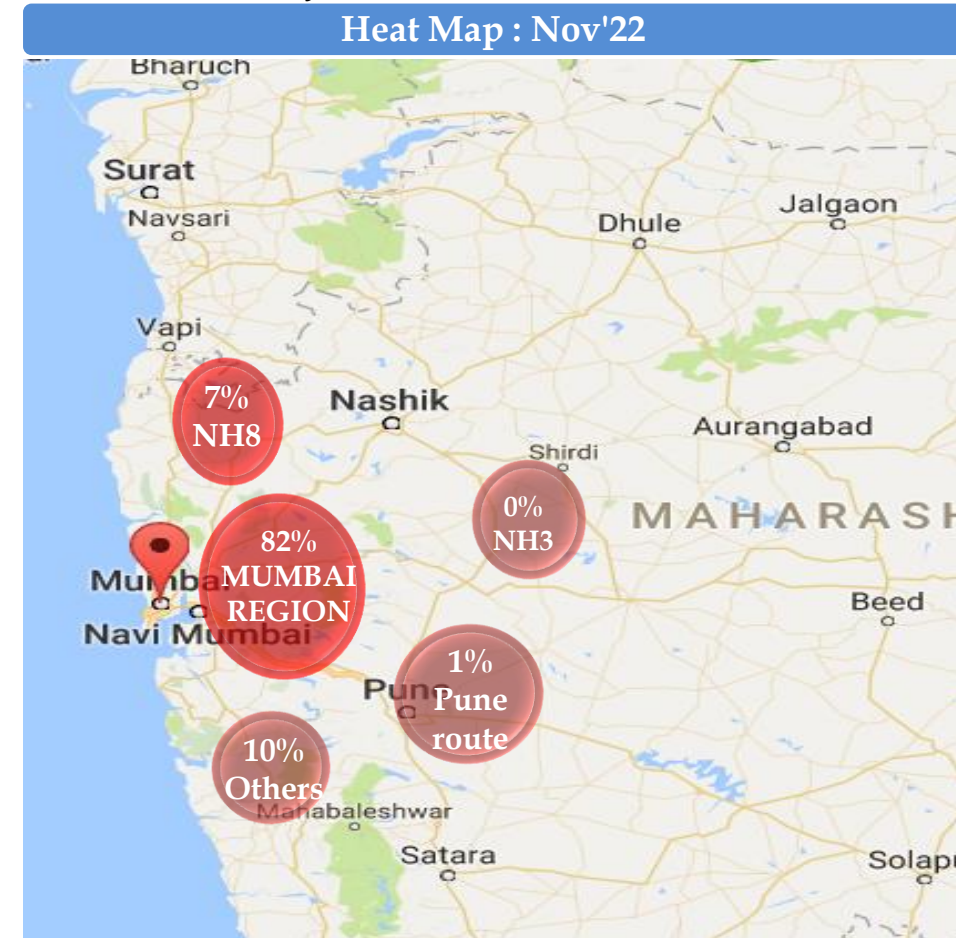
HEAT MAP : GTI Port Terminal



Region	Oct'22	Nov'22
Mumbai region	74%	79%
NH3	0%	0%
Pune	10%	4%
NH8	6%	7%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal



Region	Oct'22	Nov'22
Mumbai region	75%	82%
NH3	0%	0%
Pune	7%	1%
NH8	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

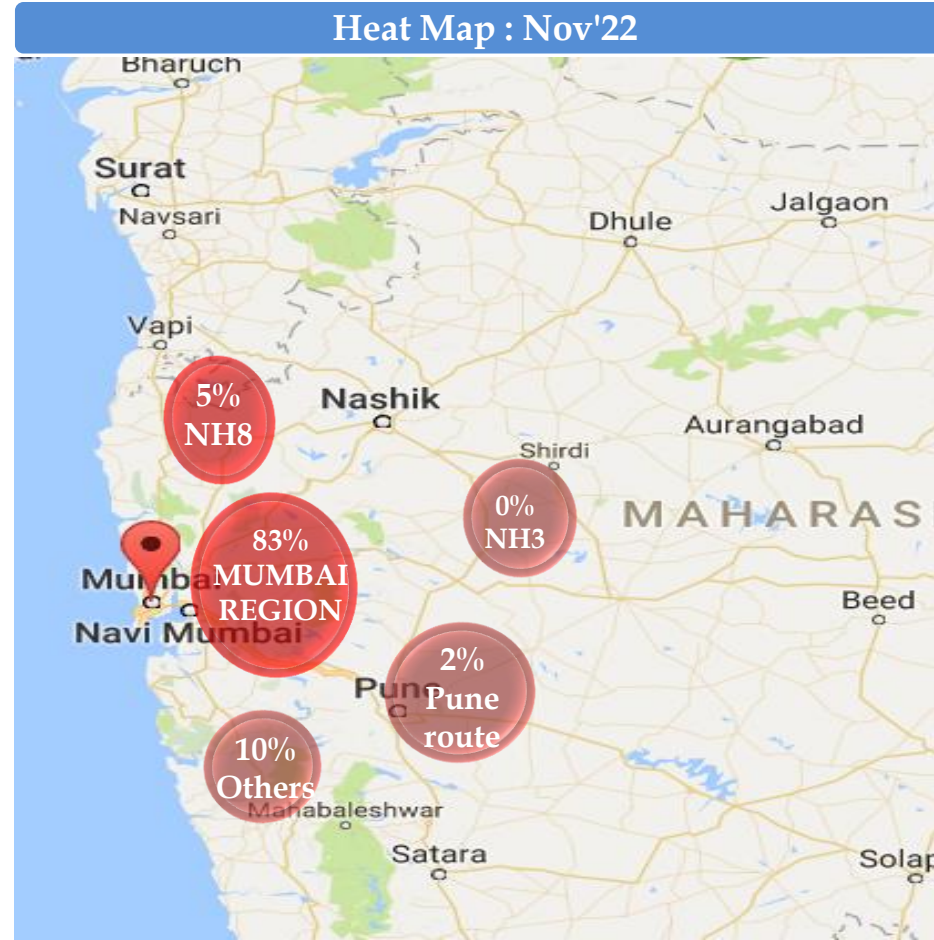
HEAT MAP : NSIGT Port Terminal



Region	Oct'22	Nov'22
Mumbai region	76%	83%
NH3	0%	0%
Pune	9%	2%
NH8	5%	5%
others	10%	10%

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

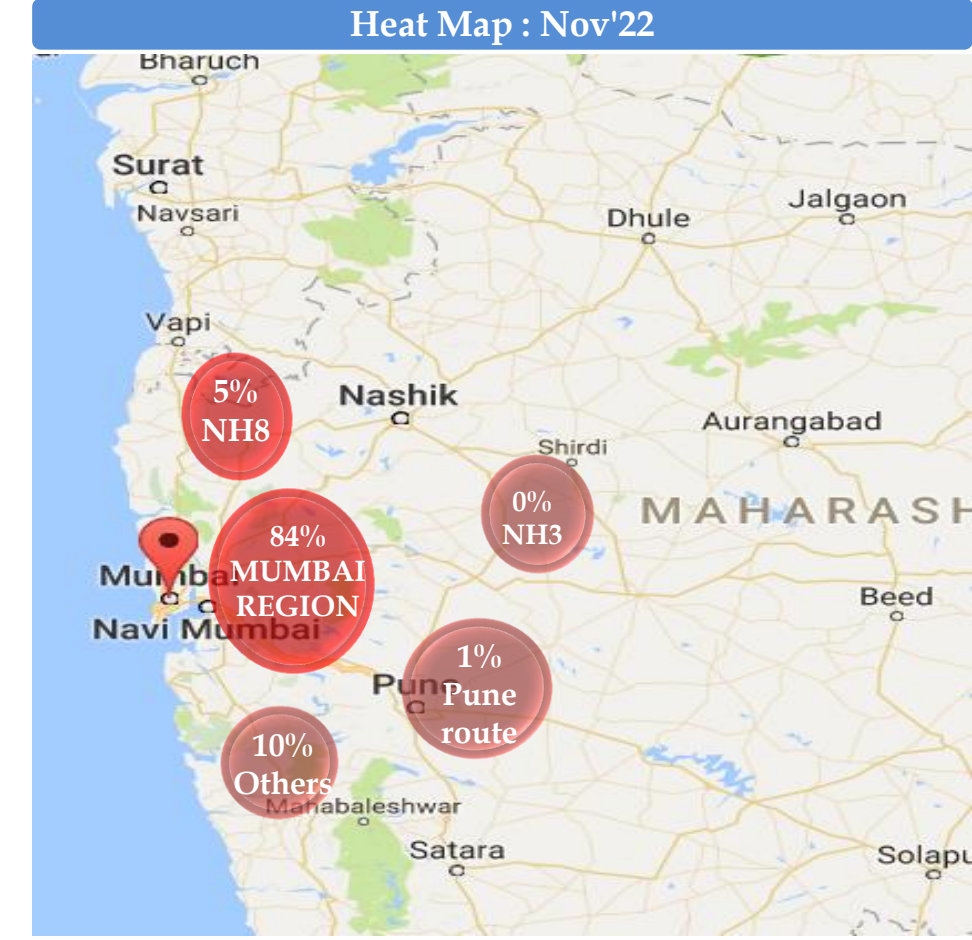
HEAT MAP : NSICT Port Terminal



Region	Oct'22	Nov'22
Mumbai region	75%	83%
NH3	0%	0%
Pune	8%	2%
NH8	6%	5%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Oct'22	Nov'22
Mumbai region	77%	84%
NH3	0%	0%
Pune	7%	1%
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) – Nov'22 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.8	2.8	2.1	2.1	3.3
Punjab Conware CFS, Navi Mumbai	2.2	2.0	2.2	3.3	5.0
JWC Logistics Park CFS	2.7	3.5	3.1	2.5	5.3
Dronagiri Rail Terminal CFS, Navi Mumbai	-	-	-	-	-
Navkar Corporation Yard 2 CFS, Panvel	1.7	2.6	2.0	1.9	3.2
Vaishno Logistics CFS, Navi Mumbai	3.6	4.7	5.4	3.6	7.4
Speedy Multimode CFS, JNPT	1.8	2.5	3.5	2.3	3.8
Balmer & Lawrie CFS, Navi Mumbai	2.0	2.7	2.9	1.8	4.3
Navkar Corporation Yard 3 CFS, Panvel	6.1	3.7	6.2	4.1	5.3
Ashte Logistics CFS, Panvel	5.7	7.0	4.5	3.4	8.2
Continental Warehousing CFS, Navi Mumbai	2.7	2.8	3.8	2.7	4.9
SBW Logistics CFS, Navi Mumbai	1.6	1.8	1.7	1.5	3.6
Maharashtra State Corp CFS	-	8.9	6.2	-	6.7
International Cargo Terminal CFS	1.5	2.8	2.5	1.8	2.9
Seabird CFS, Navi Mumbai	3.2	3.7	2.3	2.1	3.8
Apollo Logisolutions CFS, Panvel	7.5	3.3	5.1	2.2	4.1
Ameya Logistics CFS, Navi Mumbai	3.0	3.5	3.1	2.3	4.6
AllCargo Logistics	1.9	3.5	4.8	2.3	4.4
Ocean Gate CFS, Panvel	2.9	2.7	2.0	2.0	3.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.0	4.0	4.7	2.7	5.5
Kerry Indev Logistics Pvt Ltd CFS	3.6	2.5	1.4	1.5	4.5
APM (Maersk India) CFS, Navi Mumbai	3.4	2.3	2.6	2.1	3.7

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) – Nov'22 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.1	2.5	2.3	2.3	2.2
APM (Maersk India) CFS, Navi Mumbai	1.9	2.3	2.1	2.2	2.0
International Cargo Terminal CFS	2.2	2.8	2.0	2.2	2.2
Ameya Logistics CFS, Navi Mumbai	2.0	2.5	2.0	2.4	2.4
AllCargo Logistics	2.3	2.8	2.8	2.4	2.4
Kerry Indev Logistics Pvt Ltd CFS	5.1	3.1	3.6	3.1	2.9
Navkar Corporation Yard 3 CFS, Panvel	3.4	4.9	3.7	4.6	4.0
Seabird CFS, Navi Mumbai	2.9	2.9	2.6	5.2	2.7
Balmer & Lawrie CFS, Navi Mumbai	1.6	3.1	2.5	2.3	2.3
Ashte Logistics CFS, Panvel	2.6	2.9	2.9	2.7	2.9
Continental Warehousing CFS, Navi Mumbai	1.3	1.8	2.0	1.7	1.9
Dronagiri Rail Terminal CFS, Navi Mumbai	10.1	2.5	4.4	12.1	6.5
Navkar Corporation Yard 1 CFS, Panvel	4.1	5.1	4.9	4.3	5.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.5	3.7	2.6	3.8	3.1
Maersk Annex (APM)CFS, Navi Mumbai	2.3	2.3	2.3	2.5	2.4
Speedy Multimode CFS, JNPT	2.0	2.2	2.4	2.0	2.3
Apollo Logisolutions CFS, Panvel	2.6	3.4	3.3	2.9	5.7
Navkar Corporation Yard 2 CFS, Panvel	5.7	5.0	3.6	2.9	4.5
Punjab Conware CFS, Navi Mumbai	1.8	2.1	1.9	2.2	2.1
Vaishno Logistics CFS, Navi Mumbai	1.8	3.0	1.8	3.4	3.4
JWC Logistics Park CFS	2.6	3.8	4.7	3.6	3.2
SBW Logistics CFS, Navi Mumbai	2.3	3.3	5.1	3.0	3.6
Ocean Gate CFS, Panvel	4.4	4.3	4.3	4.0	3.9
Maharashtra State Corp CFS	-	2.9	1.9	7.9	2.4

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 Nov'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	2.7
Cluster 2	6	13	2.6	2.8
Cluster 3	6	11	2.7	2.7
Cluster 4	1	13	3.0	2.5
Cluster 5	2	25	4.0	3.7
Cluster 6	6	25	4.1	3.5
Cluster 7	4	12	2.5	2.7
Cluster 8	1	34	3.3	8.9

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Nov'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	2.0	2.0
Cluster 2	6	13	2.2	3.2
Cluster 3	6	11	-	1.9
Cluster 4	1	13	1.8	1.8
Cluster 5	2	25	3.5	2.8
Cluster 6	6	25	3.7	3.4
Cluster 7	4	12	2.0	1.9
Cluster 8	1	34	2.3	-

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**

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

CFS Cluster : NSIGT Terminal

CFS Cluster : BMCT Terminal

NSICT terminal for month of Nov'22

NSIGT terminal for month of Nov'22

BMCT terminal for month of Nov'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	2.4	2.9
Cluster 2	6	13	2.3	2.3
Cluster 3	6	11	2.3	2.3
Cluster 4	1	13	1.8	3.5
Cluster 5	2	25	4.5	3.9
Cluster 6	6	25	3.6	3.8
Cluster 7	4	12	2.0	2.0
Cluster 8	1	34	5.1	6.2

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.0	1.8
Cluster 2	6	13	2.3	2.1
Cluster 3	6	11	2.0	2.0
Cluster 4	1	13	3.4	2.3
Cluster 5	2	25	3.8	2.6
Cluster 6	6	25	3.0	2.7
Cluster 7	4	12	2.4	2.0
Cluster 8	1	34	3.0	-

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	2.3	4.3
Cluster 2	6	13	2.3	3.8
Cluster 3	6	11	2.0	3.7
Cluster 4	1	13	3.4	3.8
Cluster 5	2	25	3.5	5.4
Cluster 6	6	25	4.3	4.9
Cluster 7	4	12	2.4	3.6
Cluster 8	1	34	3.6	6.7

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 : 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:

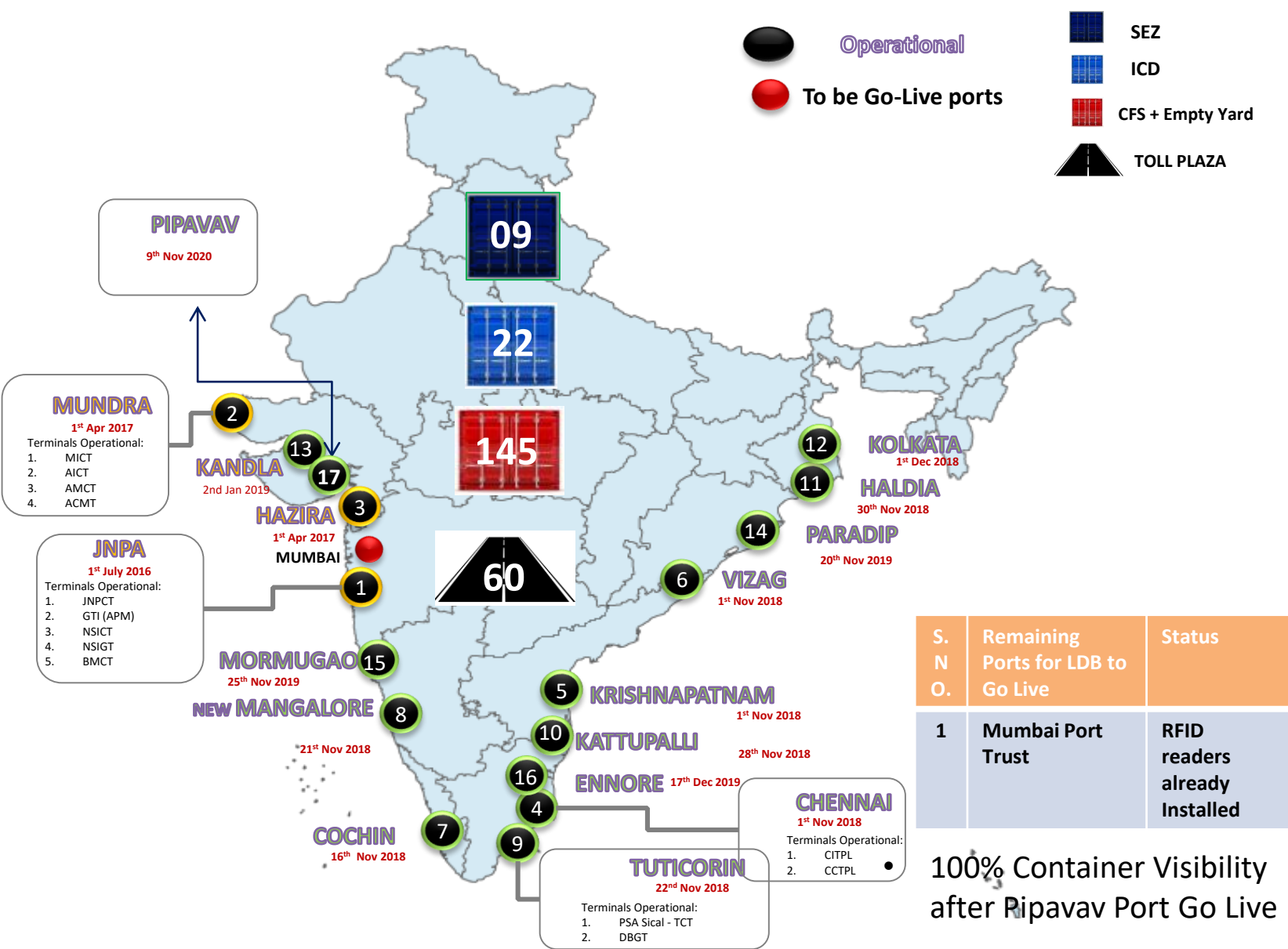
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
Agra	230.3	19.6	-	45.5	-	40.3
Ankleshwar	26.6	30.5	37.0	45.6	35.4	34.5
Ballabgarh	171.0	212.7	194.7	-	-	198.3
Baroda	29.2	35.3	24.5	60.3	41.8	35.3
Bengaluru	-	23.7	-	-	-	23.7
Boisar	31.5	48.4	50.2	52.3	42.0	42.2
Dadri	23.6	24.2	21.2	45.5	26.6	25.1
Daulatabad	87.3	78.1	97.5	144.1	90.6	107.0
Faridabad	110.2	173.9	193.7	270.4	102.0	147.0
Guwahati	183.2	185.7	173.1	239.2	184.7	185.1
Indore	73.8	40.6	45.1	172.2	156.8	97.8
Jaipur	20.8	35.7	-	101.8	-	35.7
Kanpur	33.6	54.6	94.7	110.1	38.7	62.9
Khatuwas	-	39.9	-	-	47.2	39.9
Khodiyar	37.1	51.8	61.6	36.5	39.6	43.3
Khopate	-	-	-	-	-	-
Ludhiana	177.6	30.4	139.7	78.0	165.6	37.0
Malanpur	11.4	55.9	157.7	32.0	49.3	32.3
Mandideep	44.4	29.2	53.9	38.4	59.8	42.7
Moradabad	32.6	24.8	-	28.8	14.6	24.5
Nagpur	46.0	42.5	48.5	45.9	56.2	48.4
Navi Mumbai	30.1	28.1	28.4	40.0	39.3	32.2
Pantnagar	-	-	-	-	-	-
Patparganj	34.2	62.5	80.2	-	-	57.8
Raipur	-	79.8	-	-	-	79.8
Rewari	-	-	-	-	150.8	150.8
Sanatnagar	34.2	42.3	32.9	76.2	52.3	46.6
Thimmapur	69.3	104.0	-	74.1	73.7	74.2
Tughlakabad	30.0	20.4	32.4	41.5	26.1	24.9
Umbergaon	88.2	77.0	87.6	88.8	77.4	85.9
Wardha	560.1	622.1	-	710.4	541.3	627.7

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	10.9	-	-	7.9	13.5	11.0
Ameya Logistics CFS, Navi Mumbai	16.0	-	28.3	13.8	19.7	16.6
APM (Maersk India) CFS, Navi Mumbai	16.8	11.7	25.8	22.2	20.5	18.0
Apollo Logisolutions CFS, Panvel	12.0	10.9	46.2	14.0	40.3	14.0
Ashte Logistics CFS, Panvel	13.9	11.8	-	8.7	16.4	12.3
Balmer & Lawrie CFS, Navi Mumbai	20.7	19.0	53.8	17.4	28.2	21.2
Continental Warehousing CFS, Navi Mumbai	12.3	11.5	24.6	11.9	20.2	12.7
Dronagiri Rail Terminal CFS, Navi Mumbai	15.6	14.5	70.4	16.7	-	15.3
EFC Logistics	12.3	13.0	29.5	16.0	20.9	14.4
Gateway Distriparks CFS, Navi Mumbai	15.5	14.3	31.7	16.6	19.7	16.6
CWC Impex Park	14.6	12.4	31.4	14.3	19.7	14.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	11.8	19.7	15.5
JWC Logistics Park CFS	16.1	12.6	37.4	13.3	19.0	15.0
Kerry Indev Logistics Pvt Ltd CFS	18.1	15.5	34.3	21.2	23.1	19.3
Maharashtra State Corp CFS	16.5	10.2	29.0	17.5	18.1	16.2
Navkar Corporation	17.1	14.9	52.9	12.9	20.6	16.9
Ocean Gate CFS, Panvel	12.6	13.0	36.7	12.6	21.5	14.2
Sarveshwar Logistics	10.7	8.6	-	8.6	15.3	10.1
SBW Logistics CFS, Navi Mumbai	29.6	-	29.9	64.9	-	43.0
Seabird CFS, Navi Mumbai	13.5	-	38.9	13.2	20.1	16.4
Speedy Multimode CFS, JNPT	14.2	-	-	23.6	24.9	17.9
Take Care Logistics	12.6	13.5	18.9	11.9	22.1	13.3
TG Terminals	11.9	-	29.1	13.7	17.7	14.7
Vaishno Logistics CFS, Navi Mumbai	16.8	14.4	22.3	14.8	18.7	16.8



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



THANK YOU