

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Aug'22 (in hrs)	Sep'22 (in hrs)	Port	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	34.5	38.1	JNPCT	63.7	68.1
NSICT	22.5	19.6	NSICT	62.4	56.2
GTI	15.2	13.4	GTI	79.2	75.9
NSIGT	25.3	22.5	NSIGT	87.1	82.0
BMCT/PSA	22.7	17.8	BMCT/PSA	73.0	70.1

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 improved as compared to last month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Sep'22	18.1 hrs	71.0 hrs	81.9 hrs	116.5 hrs
Aug'22	21.0 hrs	74.7 hrs	88.9 hrs	123.4 hrs

IMPORT

Port Dwell Time

Mode	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall	24.7	23.4
Truck	20.4	19.3
Train	64.7	58.3

EXPORT

Mode	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall	92.6	86.0
Truck	85.7	80.3
Train	130.3	117.2

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





Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Aug'22 (in hrs)	Sep'22 (in hrs)
CFS	88.5	83.5
ICD	123.4	116.5

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

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



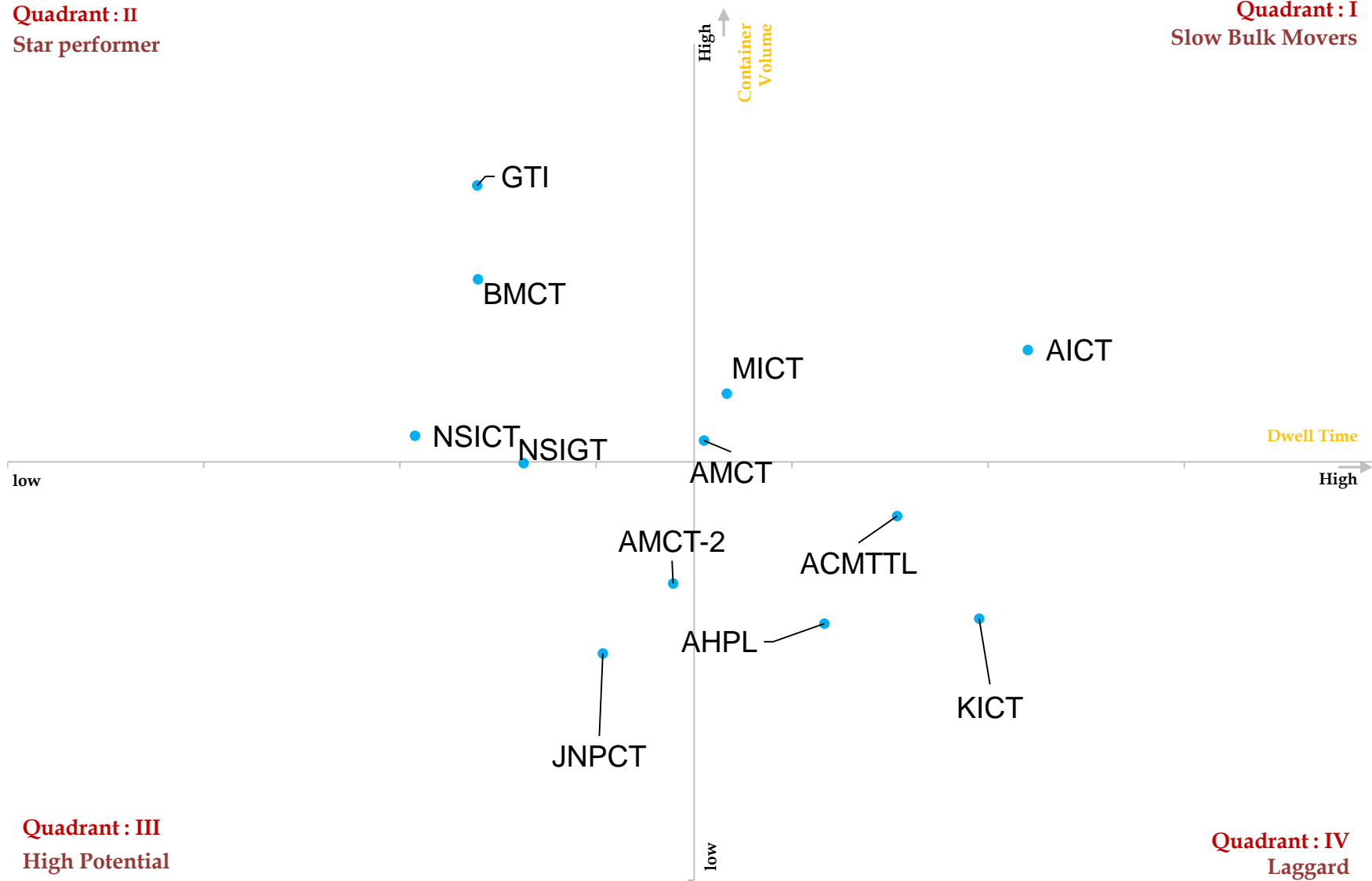
Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Sep'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 Sep'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Aug'22	Sep'22
41.5 hrs	38.0 hrs
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Aug'22	Sep'22
63.5 hrs	85.8 hrs

Note: The performance benchmarking is based on performance index



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

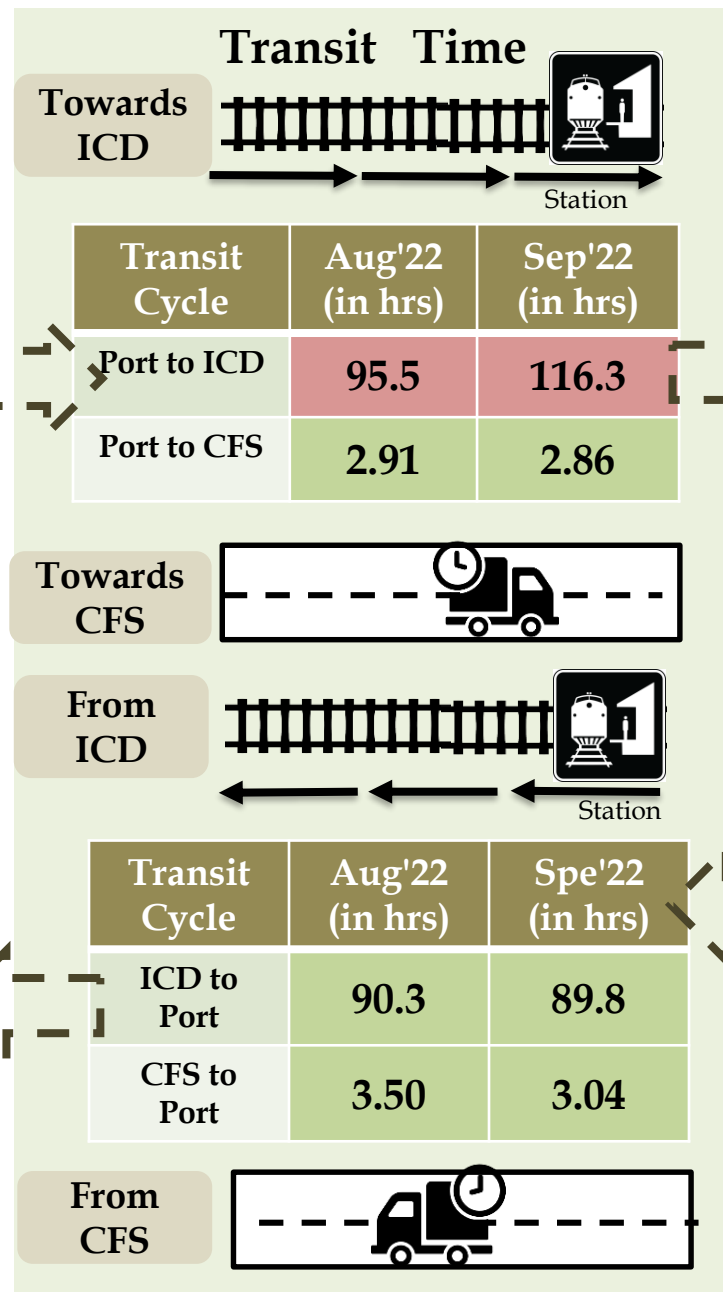
Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

Mode	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall	21.0	18.1
Truck	17.7	15.1
Train	57.6	49.3

Mode	Aug'22 (in hrs)	Spe'22 (in hrs)
Overall	74.7	71.0
Truck	73.2	69.4
Train	88.4	83.4



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

ICD

Entity	Aug'22 (in hrs)	Sep'22 (in hrs)
CFS	88.9	81.9
ICD	123.4	116.5

CFS

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	81%	19%
Export	78%	22%

Container Lifecycle (Export Cycle)

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

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

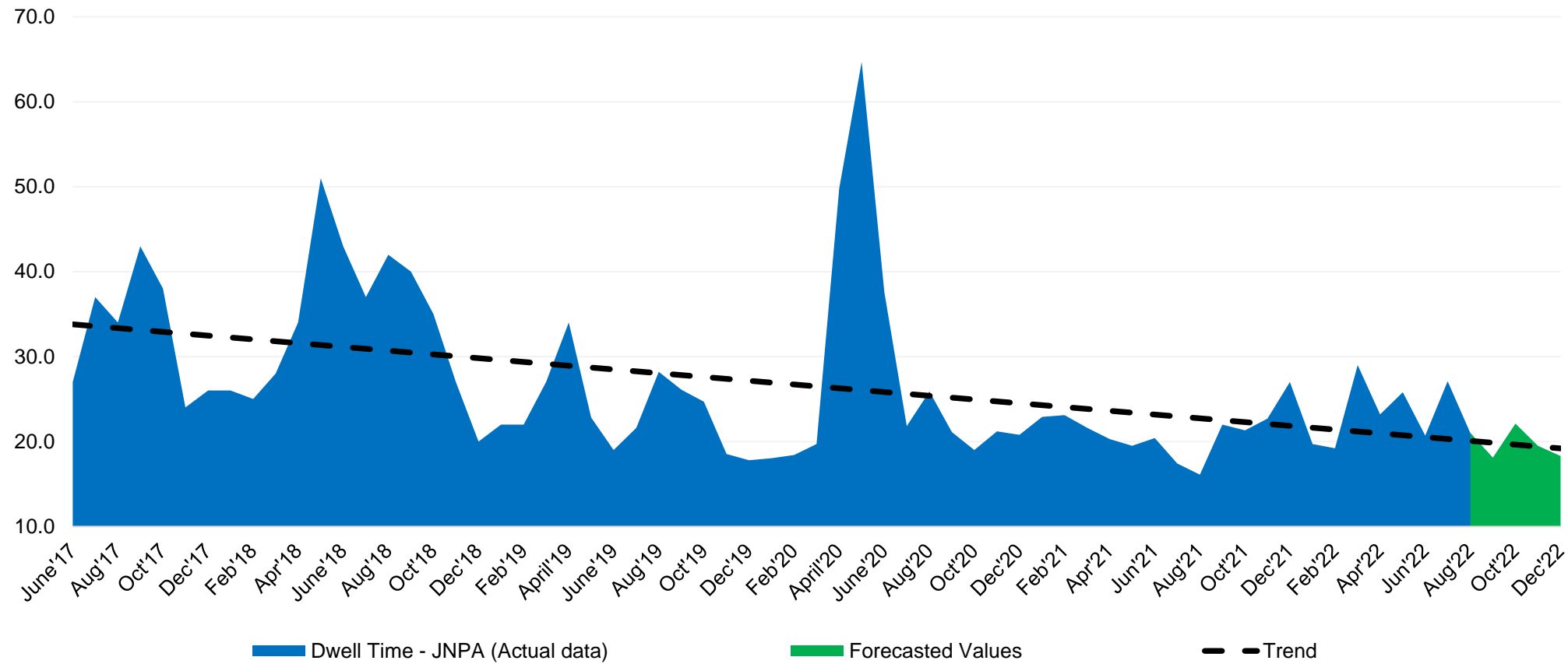
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Sep'22 - in hrs)			Compared to Aug'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	18.1	13.8%	↑
	Port Dwell Time for Truck Bound Containers	15.1	14.7%	↑
	Port Dwell time for Train Bound Containers	49.3	14.4%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	32.3	2.7%	↑
	Port Dwell time Containers bound for CFS	13.8	12.7%	↑
	Port Dwell for Empty Containers	24.4	23.0%	↑
	Port Dwell for Laden Containers	16.9	11.1%	↑
TRANSIT TIME	Port to ICD	116.3	21.8%	↓
	Port to CFS	2.86	1.7%	↑

EXPORT CYCLE DWELL TIME (Sep'22- in hrs)			Compared to Aug'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	71.0	5.1%	↑
	Port Dwell Time for Truck Bound Containers	69.4	5.2%	↑
	Port Dwell time for Train Bound Containers	83.4	5.7%	↑
	Port Dwell time Direct Port Entry (DPE) containers	72.8	8.4%	↑
	Port Dwell time Containers bound from CFS	71.1	4.7%	↑
	Port Dwell for Empty Containers	65.2	4.2%	↓
	Port Dwell for Laden Containers	73.1	7.0%	↑
TRANSIT TIME	ICD to Port	89.8	0.6%	↑
	CFS to Port	3.04	13.1%	↑

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



Predicted Dwell Time (in hrs)

Oct'22
22.1

Nov'22
19.5

Dec'22
18.3

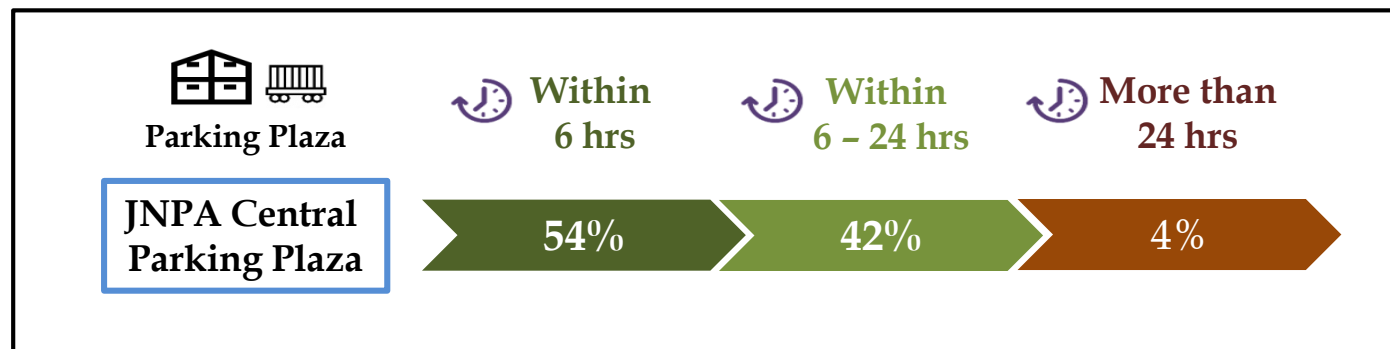
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall Parking Plaza	5.60	5.56

Container Handled: Day wise (Sep'22)

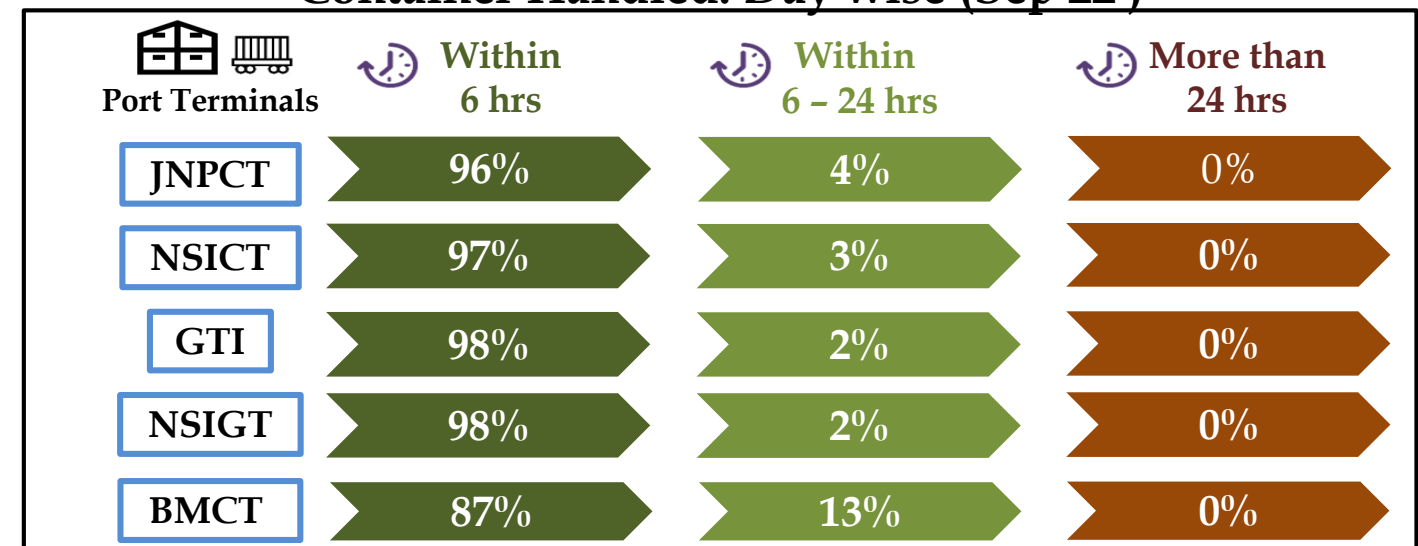


Parking Plaza Gate Out - Terminal In

Mode	Aug'22 (in hrs)	Sep'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.31	1.10

Port	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	1.0	1.0
NSICT	1.3	0.9
GTI	0.6	0.7
NSIGT	1.2	0.8
BMCT	4.2	3.1

Container Handled: Day wise (Sep'22)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra		
Aug'22	Sep'22	↓
74.5 hrs	74.6 hrs	

Low Performing CFS

Kerry Indev Logistics Pvt Ltd CFS		
Aug'22	Sep'22	↓
96.5 hrs	108.9 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

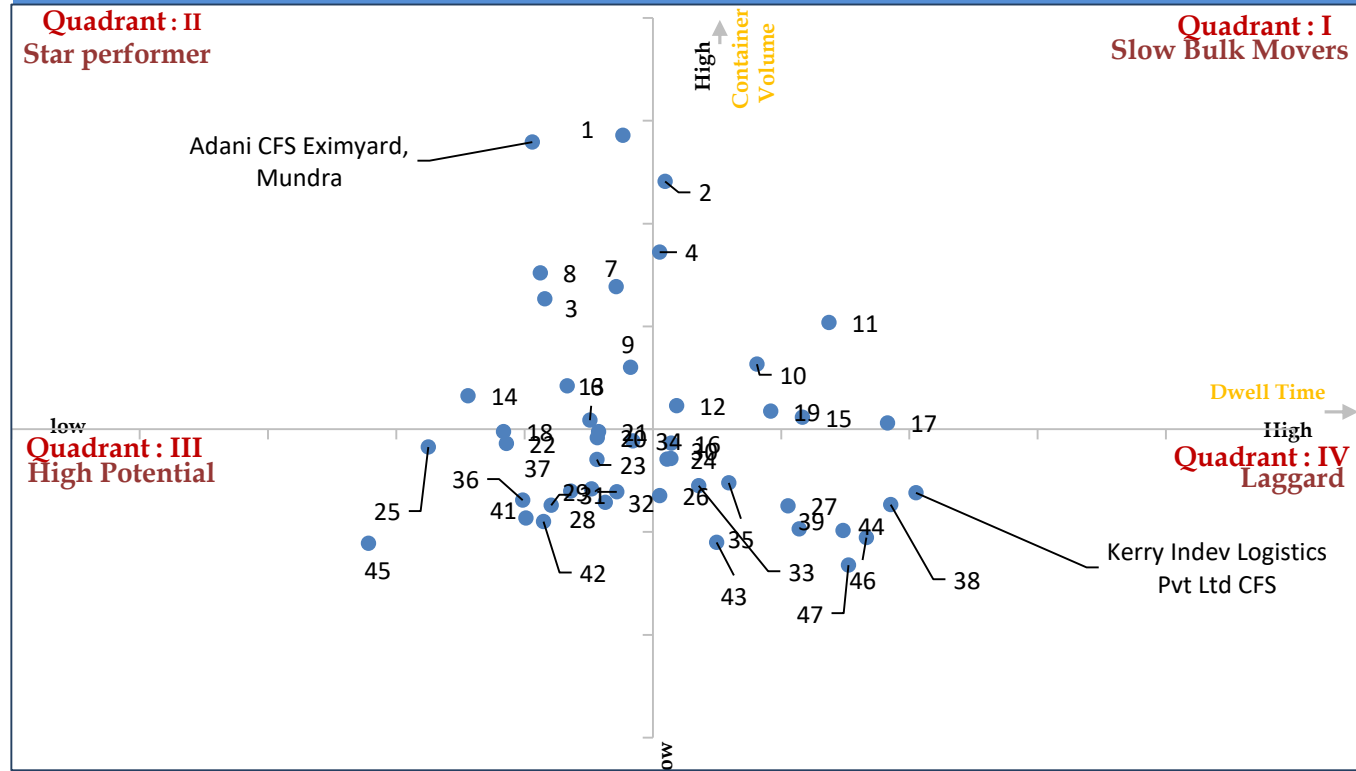
Top Performing ICD

Navkar ICD, Tumb		
Aug'22	Sep'22	↑
120.0 hrs	107.9 hrs	

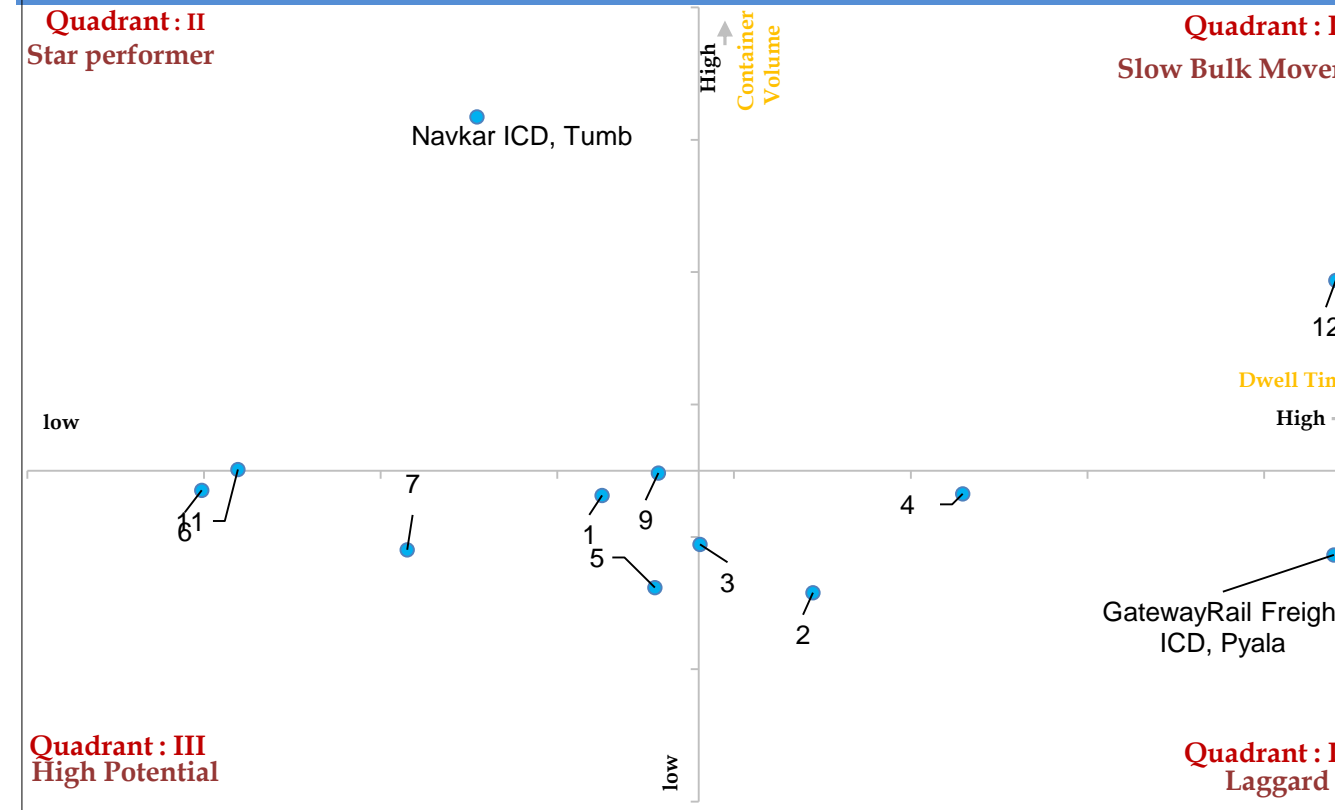
Low Performing ICD

GatewayRail Freight ICD, Pyala		
Aug'22	Sep'22	↑
165.9 hrs	139.2 hrs	

Performance Index: Western Corridor CFS



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

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

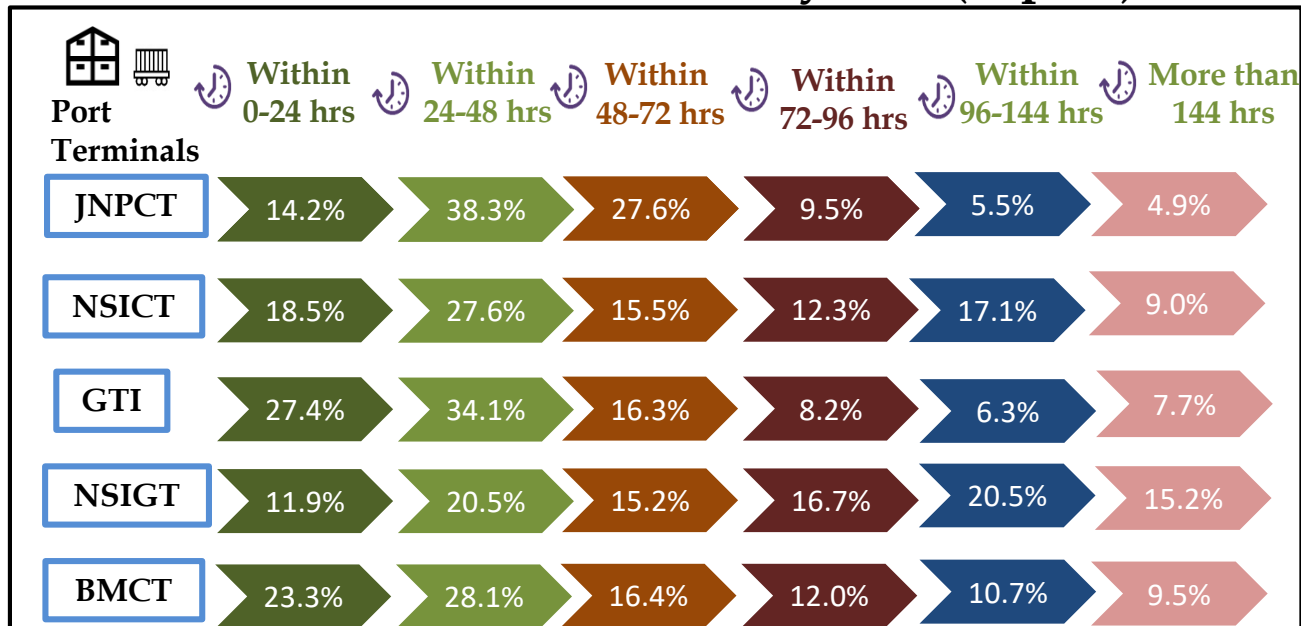
PORT IMPORT via TRAIN

(19% 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	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	51.0	46.3
NSICT	67.4	54.9
GTI	42.7	38.8
NSIGT	66.4	74.7
BMCT	64.6	46.7

Container Handled: Day wise (Sep'22)



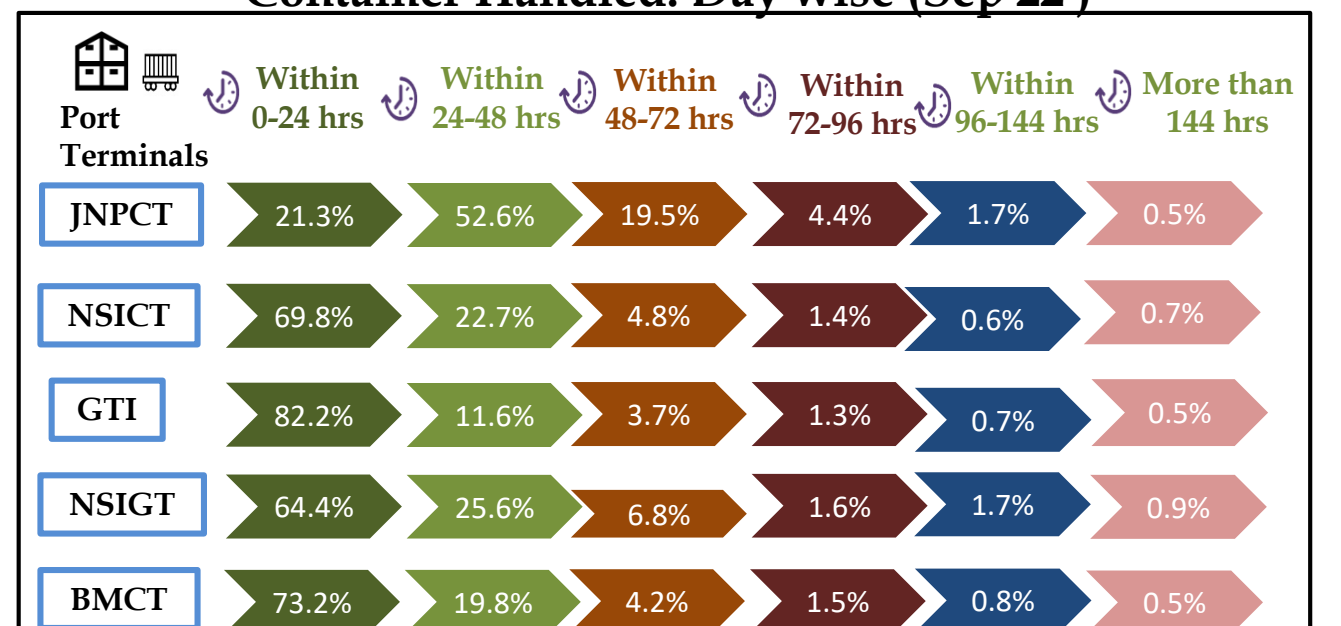
PORT IMPORT via TRUCK

(81% 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	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	32.9	36.9
NSICT	20.0	17.1
GTI	12.7	11.7
NSIGT	21.0	17.7
BMCT	18.9	15.0

Container Handled: Day wise (Sep'22)



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

JNPCT		
Port Dwell time based on transit type		
Aug'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	35.3 hrs	35.6 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	36.7 hrs	44.3 hrs

GTI		
Port Dwell time based on transit type		
Aug'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	25.3 hrs	11.1 hrs
Port Dwell time based on transit type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	12.8 hrs	20.9 hrs

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

NSICT		
Port Dwell time based on transit type		
Aug'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	47.8 hrs	16.3 hrs

Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	19.5 hrs	20.3 hrs

NSIGT		
Port Dwell time based on transit type		
Aug'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	48.6 hrs	14.9 hrs

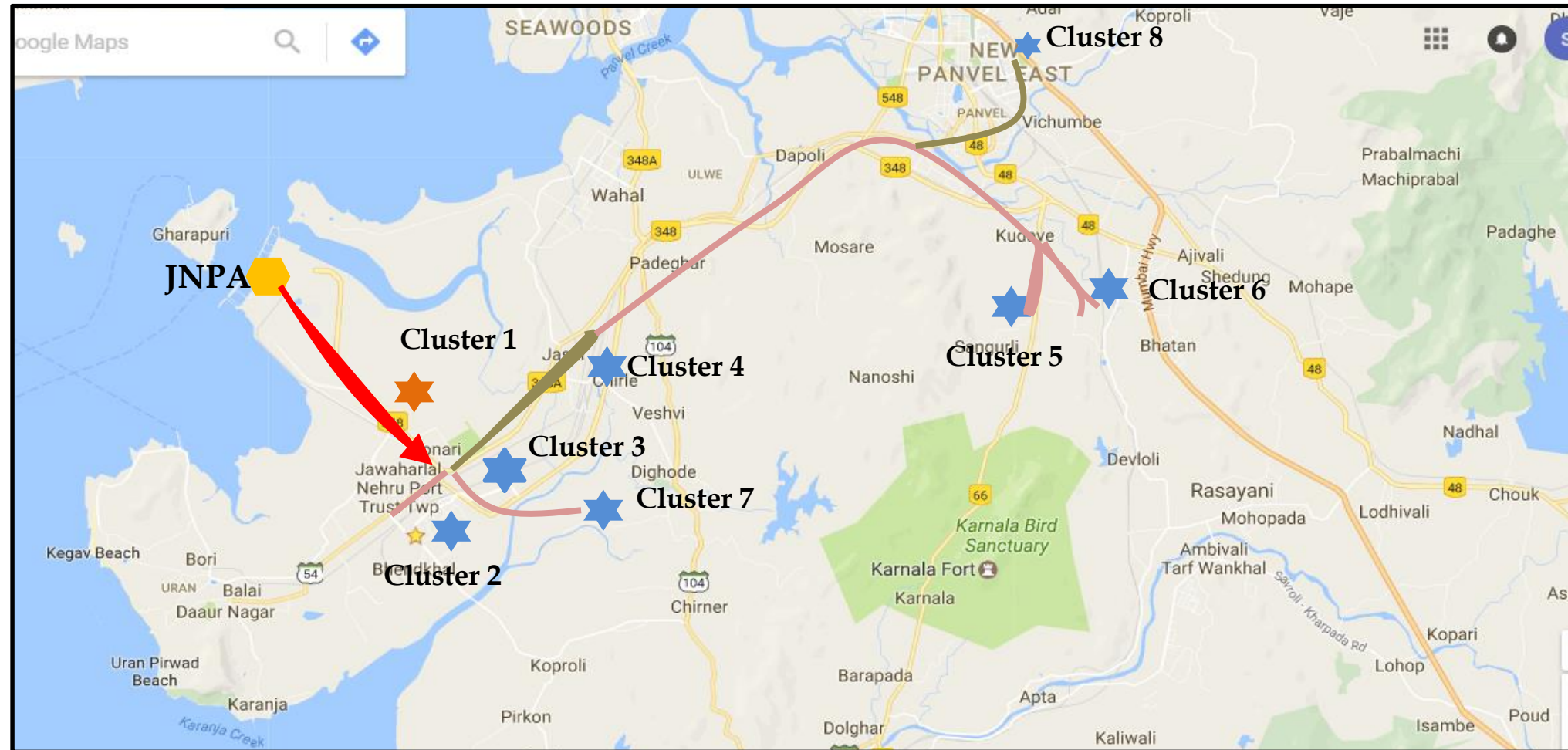
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	21.3 hrs	23.7 hrs

BMCT		
Port Dwell time based on transit type		
Aug'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.9 hrs	13.6 hrs

Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	16.7 hrs	25.7 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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



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 Talaja, 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

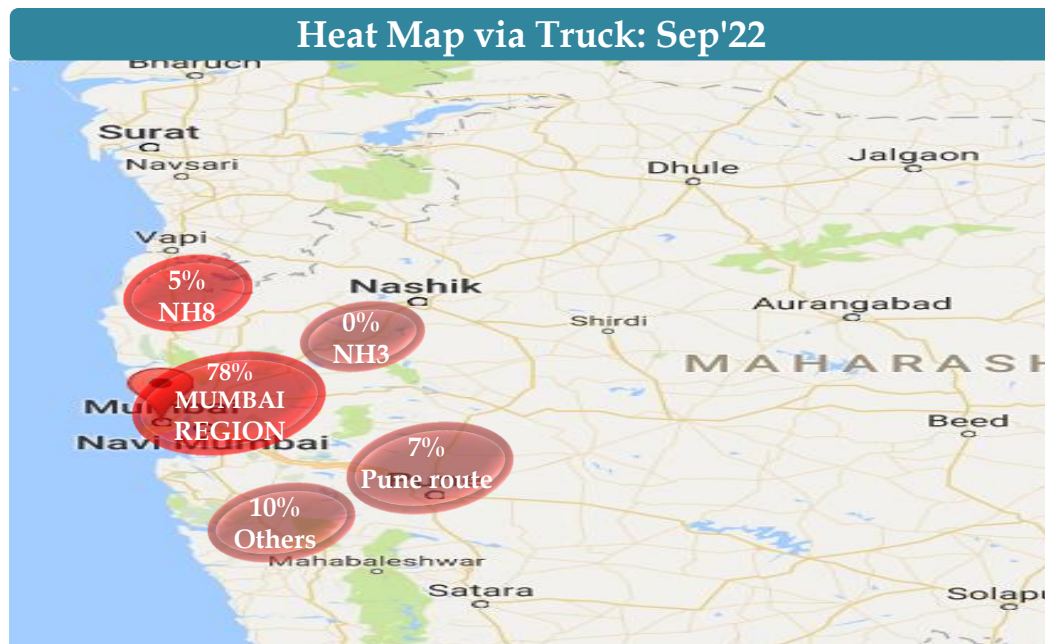
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Sep'22
Mumbai region	78%
NH3	0%
Pune	7%
NH8	5%
others	10%

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

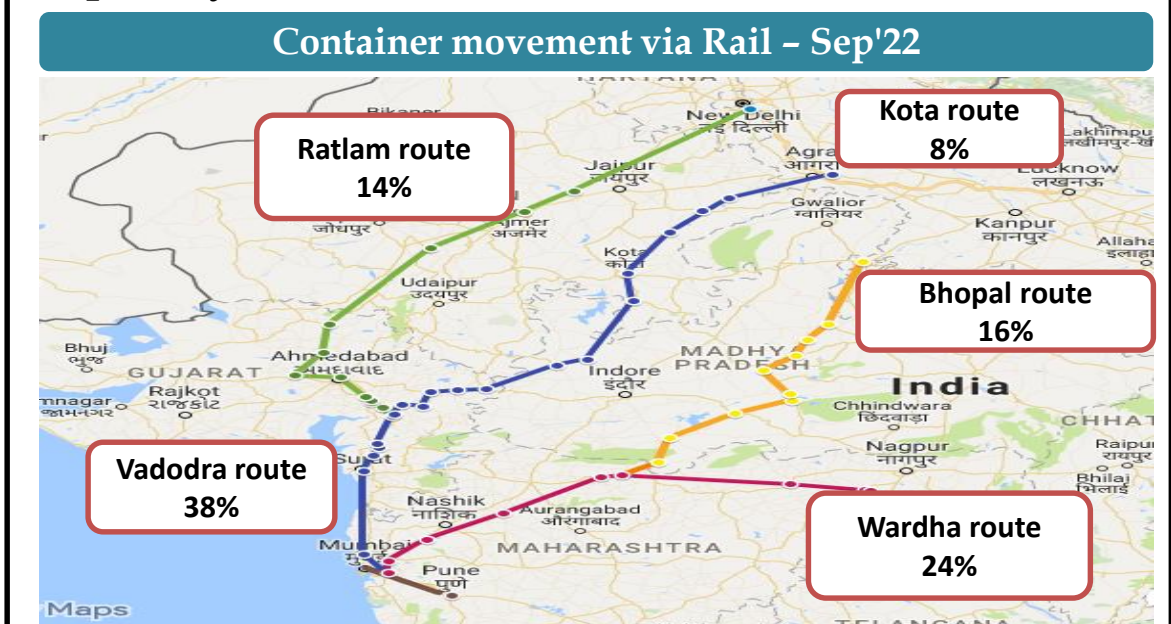


Train

VOLUME WISE CONTAINER MOVEMENT

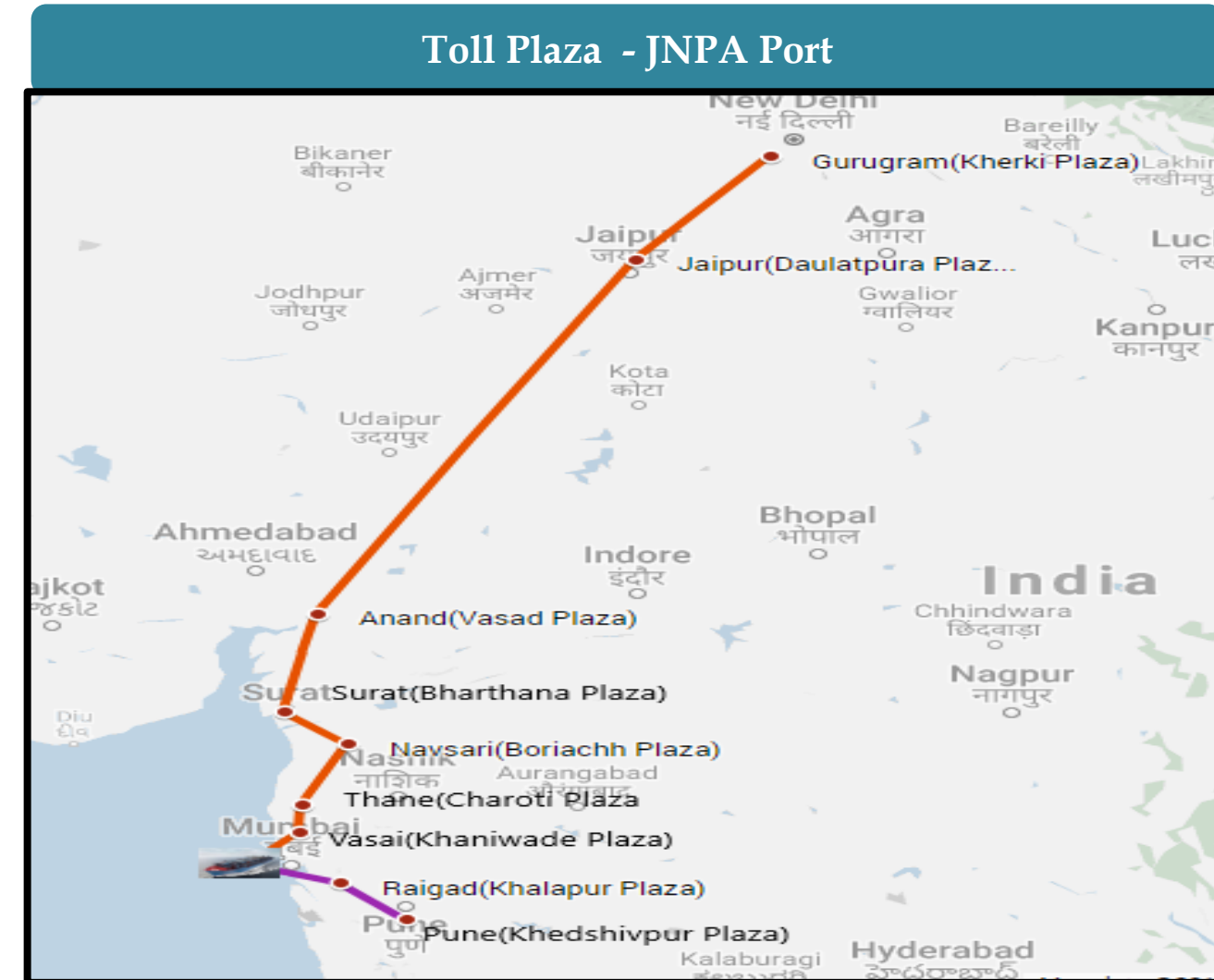
Region	Sep'22
Vadodra Route	38%
Ratlam Route	14%
Wardha Route	24%
Kota Route	8%
Bhopal Route	16%

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)	Aug'22 (in km/hrs)	Sep'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	9.3	9.6
	JNPA	Khalapur	60	11.1	15.1
	Khaniwade	Charoti	50	34.3	33.1
	Charoti	Boriach	126	25.8	25.4
	Boriach	Bharthan	142	28.1	27.8
	Bharthan	Vasad	60	36.5	36.1
	Khalalpur	Khedshivpur	105	32.0	32.0



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

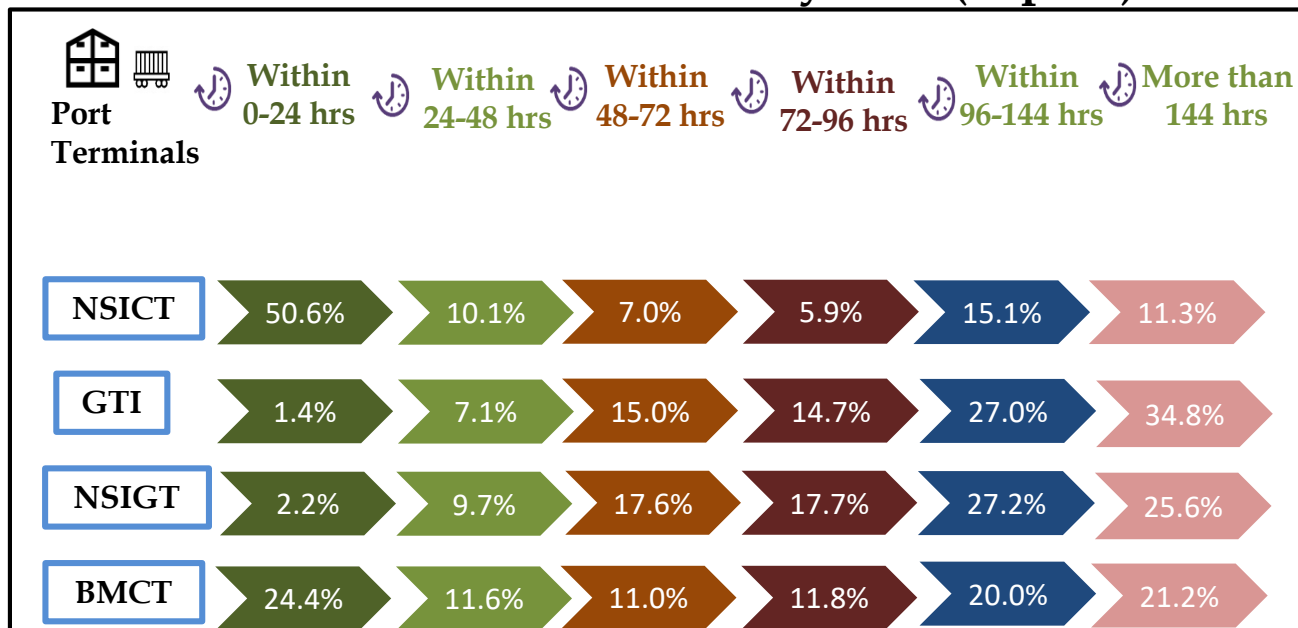
(22% of total export volume at JNPA Port)

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	Aug'22 (in hrs)	Sep'22 (in hrs)
NSICT	40.5	23.0
GTI	121.1	111.9
NSIGT	104.6	100.6
BMCT	73.6	76.8

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

Container Handled: Day wise (Sep'22)



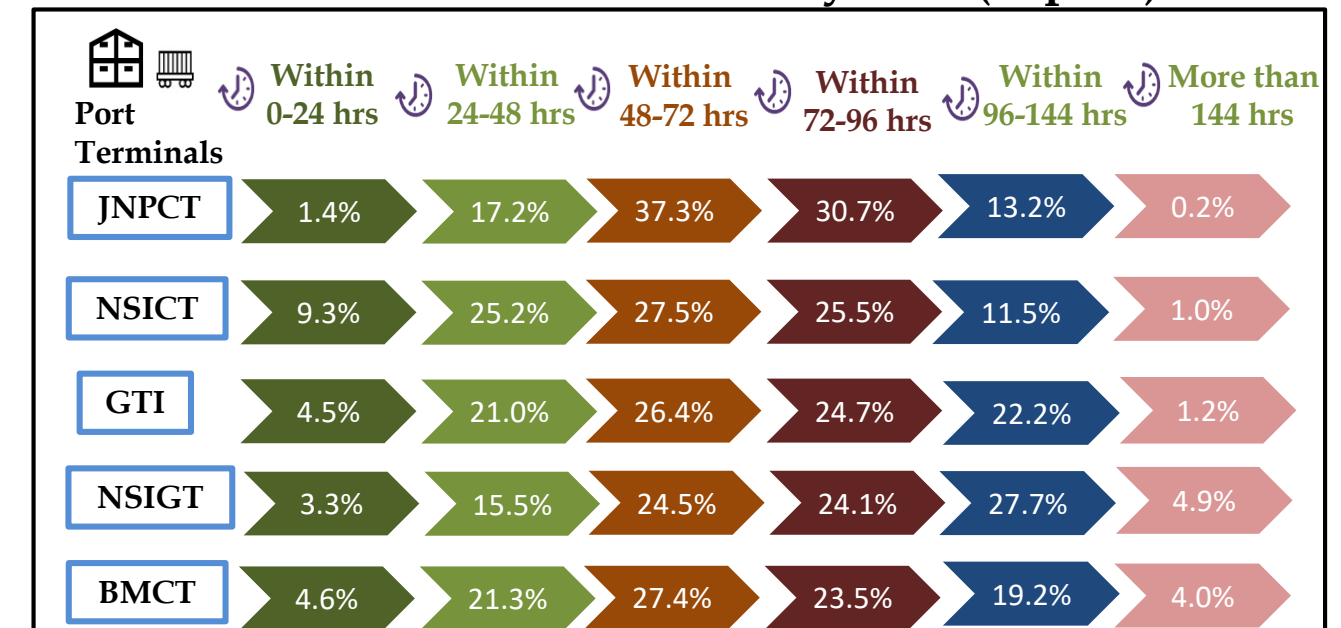
PORT EXPORT via TRUCK

(78% 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	Aug'22 (in hrs)	Sep'22 (in hrs)
JNPCT	63.4	68.0
NSICT	64.8	61.9
GTI	75.0	70.4
NSIGT	84.3	79.1
BMCT	72.9	69.2

Container Handled: Day wise (Sep'22)



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

JNPCT		
Port Dwell time based on transit type		
Aug'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	67.6 hrs	69.9 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	67.3 hrs	69.7 hrs

GTI		
Port Dwell time based on transit type		
Aug'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	70.3 hrs	73.9 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	78.2 hrs	71.7 hrs

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

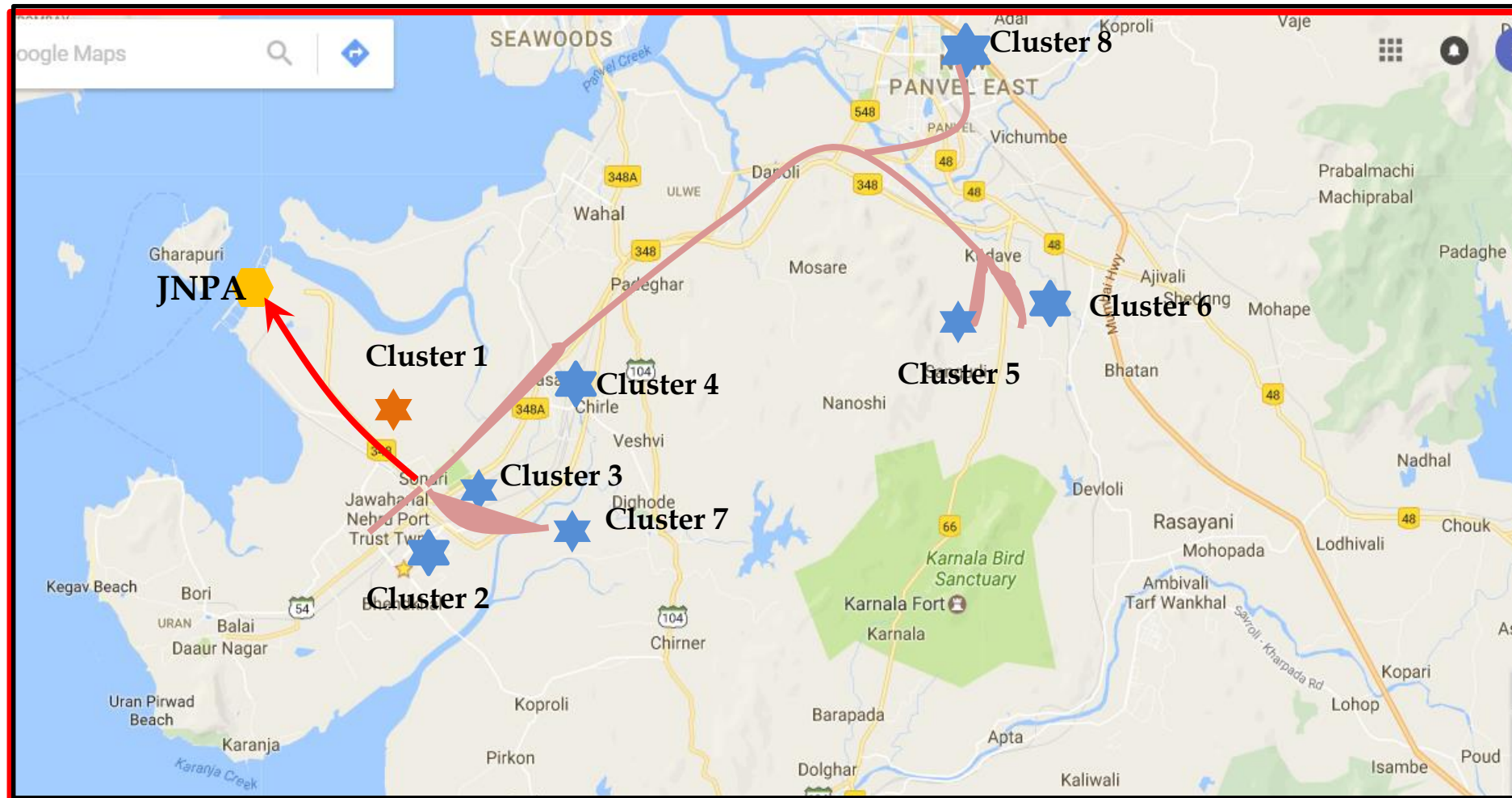
NSICT		
Port Dwell time based on transit type		
Aug'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	53.5 hrs	63.3 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	60.8 hrs	40.2 hrs

NSIGT		
Port Dwell time based on transit type		
Aug'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	84.8 hrs	78.9 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	82.4 hrs	53.1 hrs

BMCT		
Port Dwell time based on transit type		
Aug'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	70.1 hrs
Port Dwell time based on container type		
Aug'22	Laden Containers	Empty Containers
Dwell time (in hrs)	72.6 hrs	63.9 hrs

JNPA Region: Congestion Analysis (Export Cycle)

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



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 :-

JNPCT Terminal

Congestion Level
Export Cycle :-

NSICT Terminal

Congestion Level
Export Cycle :-

NSIGT Terminal

Congestion Level
Export Cycle :-

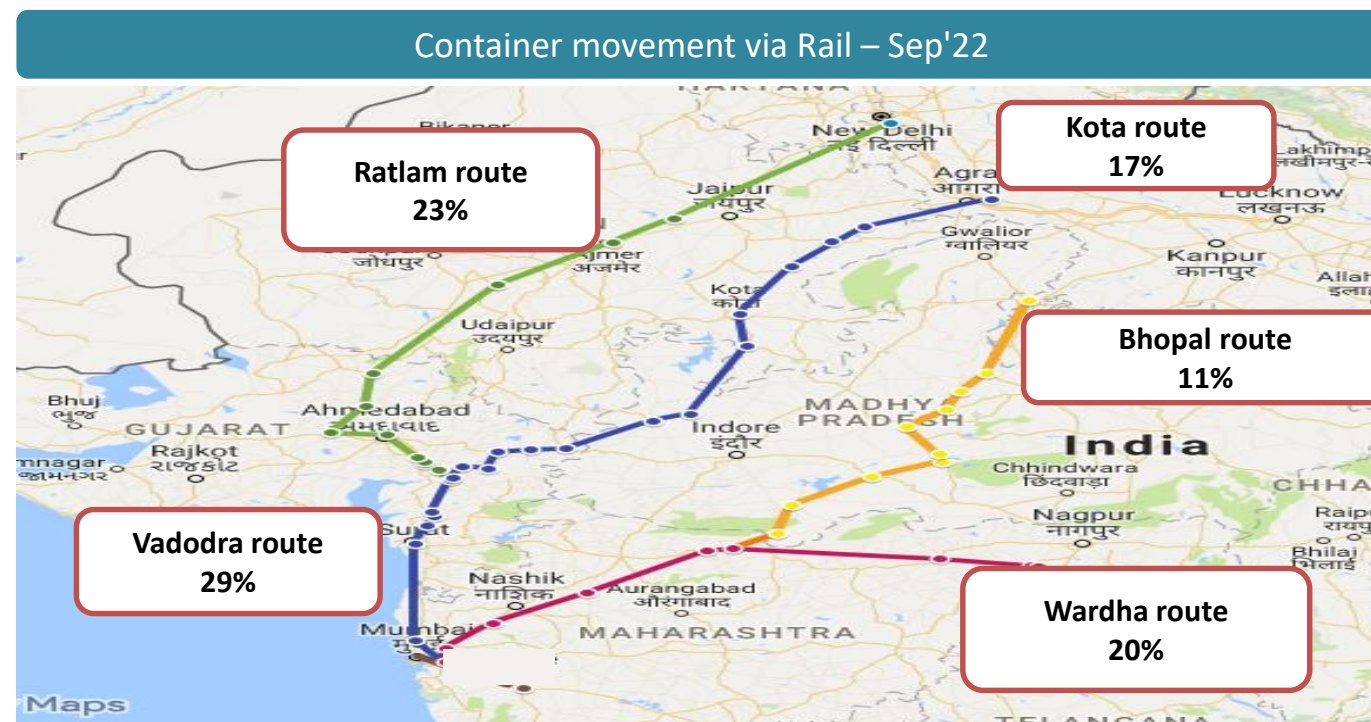
BMCT Terminal

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	29%
Ratlam Route	23%
Wardha Route	20%
Kota Route	17%
Bhopal Route	11%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

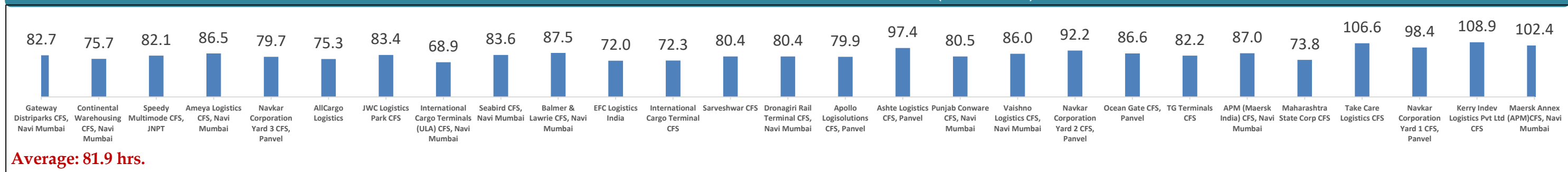
Below table and graphs show the dwell time of the respective CFSs for the month of Sep'22

CFS Dwell Time (in hrs.)

CFS	Aug'22 (in hrs)	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	91.3	82.7
Continental Warehousing CFS, Navi Mumbai	91.3	75.7
Speedy Multimode CFS, JNPT	88.5	82.1
Ameya Logistics CFS, Navi Mumbai	94.9	86.5
Navkar Corporation Yard 3 CFS, Panvel	81.1	79.7
AllCargo Logistics	78.8	75.3
JWC Logistics Park CFS	86.0	83.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	82.3	68.9
Seabird CFS, Navi Mumbai	88.2	83.6
Balmer & Lawrie CFS, Navi Mumbai	99.3	87.5
EFC Logistics India	81.6	72.0
International Cargo Terminal CFS	77.8	72.3
Sarveshwar CFS	97.4	80.4
Dronagiri Rail Terminal CFS, Navi Mumbai	82.1	80.4

CFS	Aug'22 (in hrs)	Sep'22 (in hrs)
Apollo Logisolutions CFS, Panvel	86.3	79.9
Ashte Logistics CFS, Panvel	92.8	97.4
Punjab Conware CFS, Navi Mumbai	80.8	80.5
Vaishno Logistics CFS, Navi Mumbai	95.1	86.0
Navkar Corporation Yard 2 CFS, Panvel	89.4	92.2
Ocean Gate CFS, Panvel	94.1	86.6
TG Terminals CFS	96.3	82.2
APM (Maersk India) CFS, Navi Mumbai	93.7	87.0
Maharashtra State Corp CFS	86.1	73.8
Take Care Logistics CFS	114.4	106.6
Navkar Corporation Yard 1 CFS, Panvel	95.2	98.4
Kerry Indev Logistics Pvt Ltd CFS	96.6	108.9
Maersk Annex (APM)CFS, Navi Mumbai	87.9	102.4

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

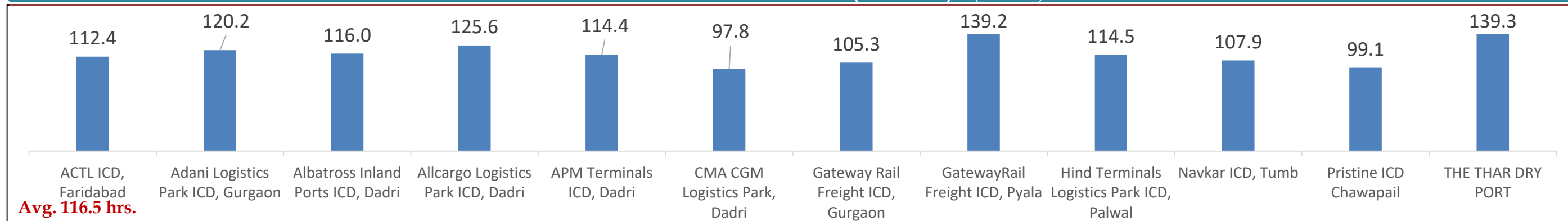


ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Aug'22 (in hrs)	Sep'22 (in hrs)
ACTL ICD, Faridabad	126	112.4
Adani Logistics Park ICD, Gurgaon	128	120.2
Albatross Inland Ports ICD, Dadri	131	116.0
Allcargo Logistics Park ICD, Dadri	128	125.6
APM Terminals ICD, Dadri	150	114.4
CMA CGM Logistics Park, Dadri	114	97.8
Gateway Rail Freight ICD, Gurgaon	92	105.3
GatewayRail Freight ICD, Pyala	166	139.2
Hind Terminals Logistics Park ICD, Palwal	165	114.5
Navkar ICD, Tumb	120	107.9
Pristine ICD Chawapail	107	99.1
THE THAR DRY PORT	124	139.3

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

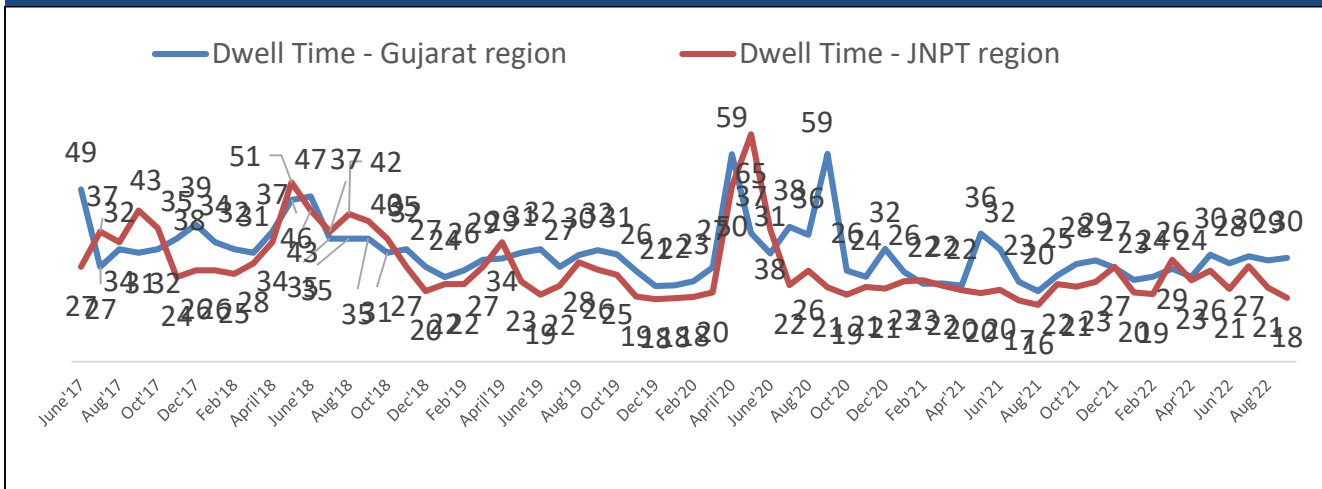


Trend Analysis

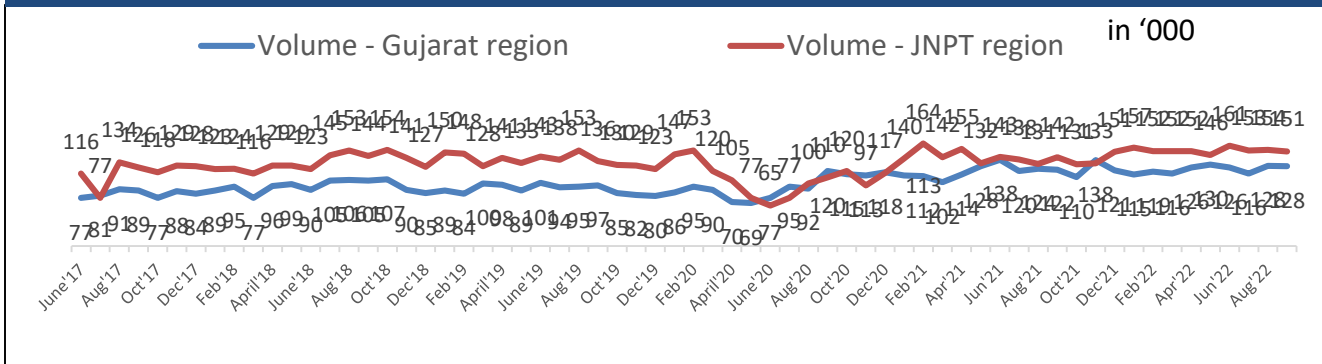
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Sep'22

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



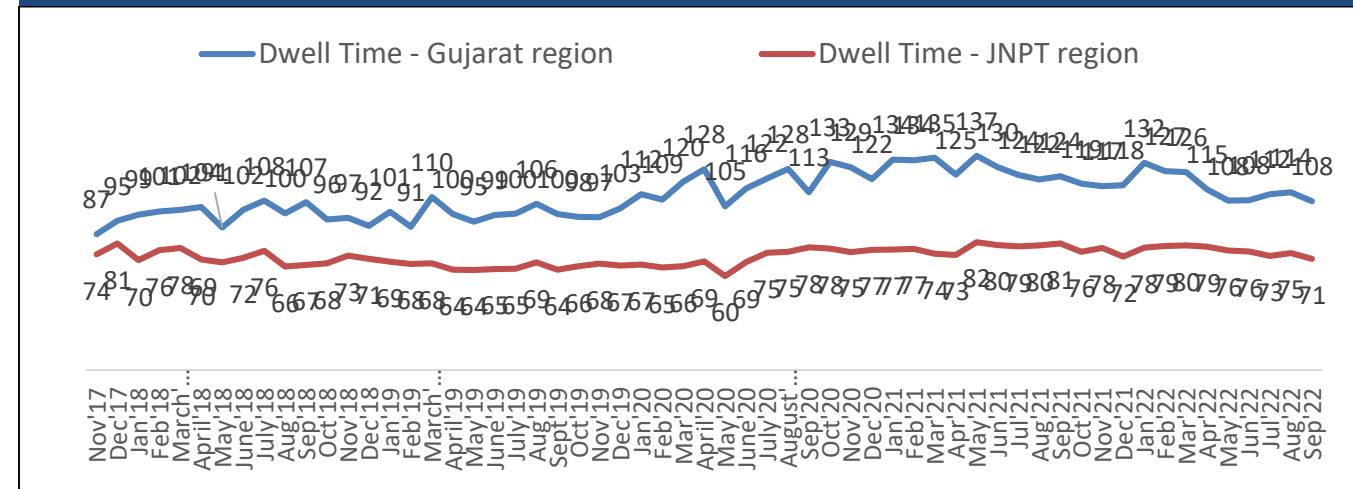
Volume – Mundra Region Vs JNPA Region



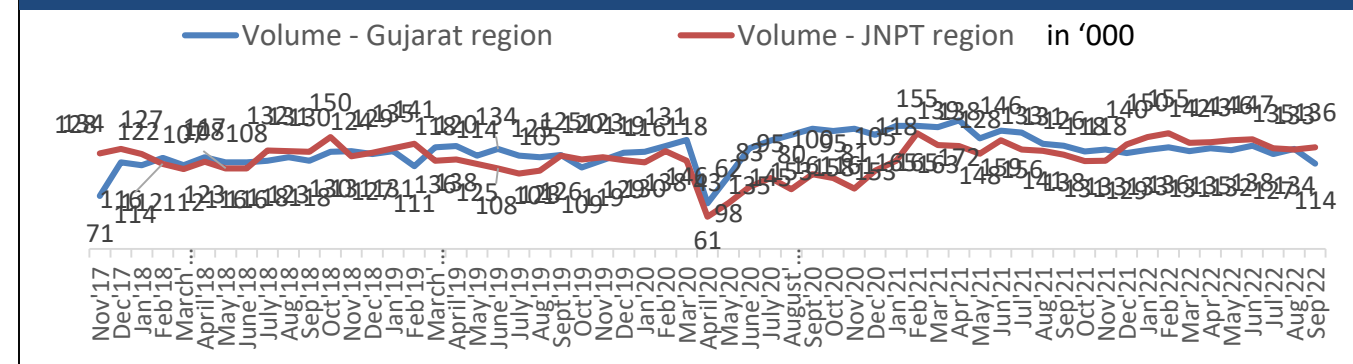
In Import cycle, for the month of Sep'22 Mundra port has catered 18% less volume than JNPA Port, and has performed with 39% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

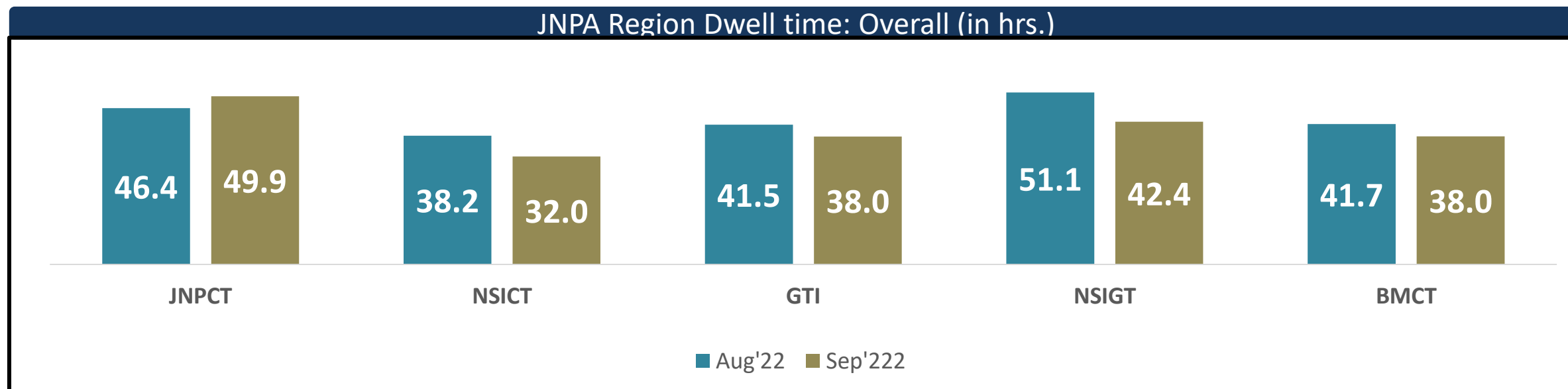


In Export cycle, for the month Sep'22 JNPA port catered 19% high volume than Mundra Port, and has maintained 34% lower dwell time than Mundra Port

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

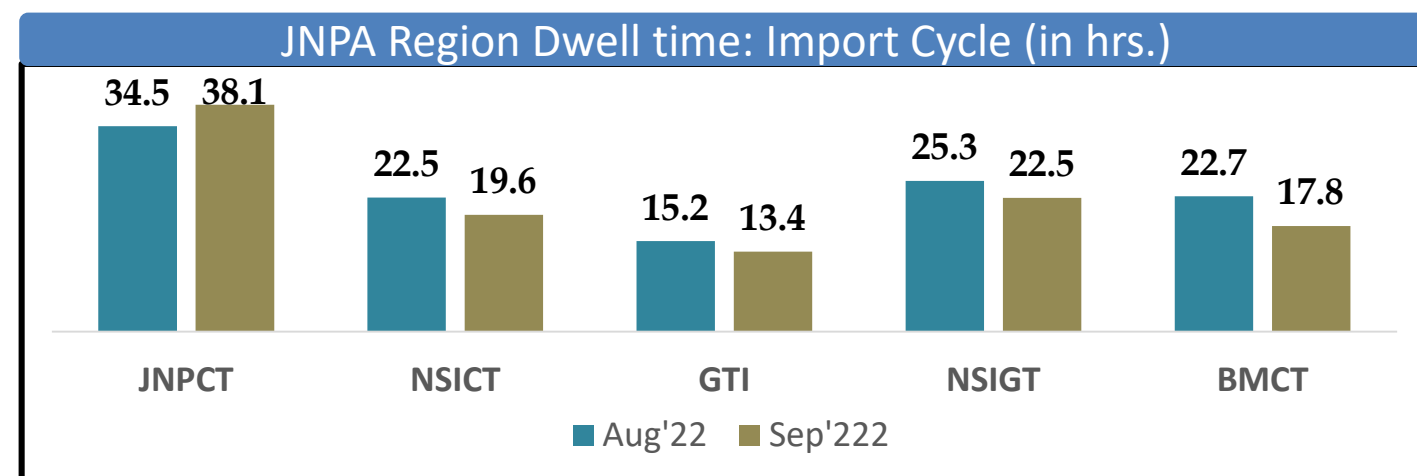


The overall JNPA region average dwell time for Sep'22 is **38.9 hrs** as compared to **42.6 hrs** in Aug'22

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

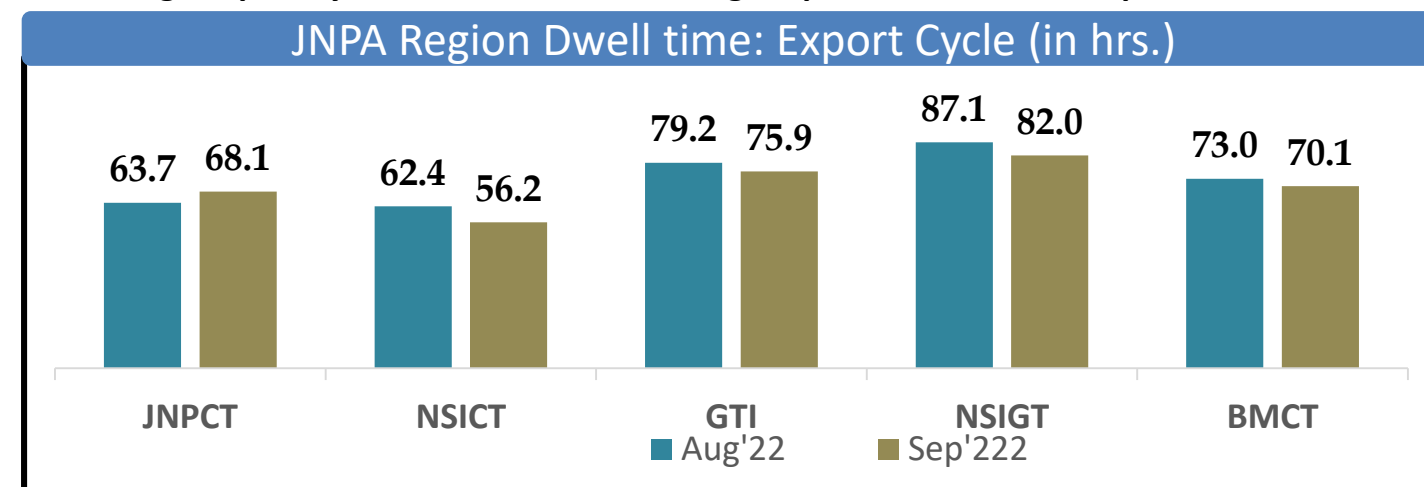
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Sep'22 is **18.1 hrs.**



JNPA Export cycle Trend

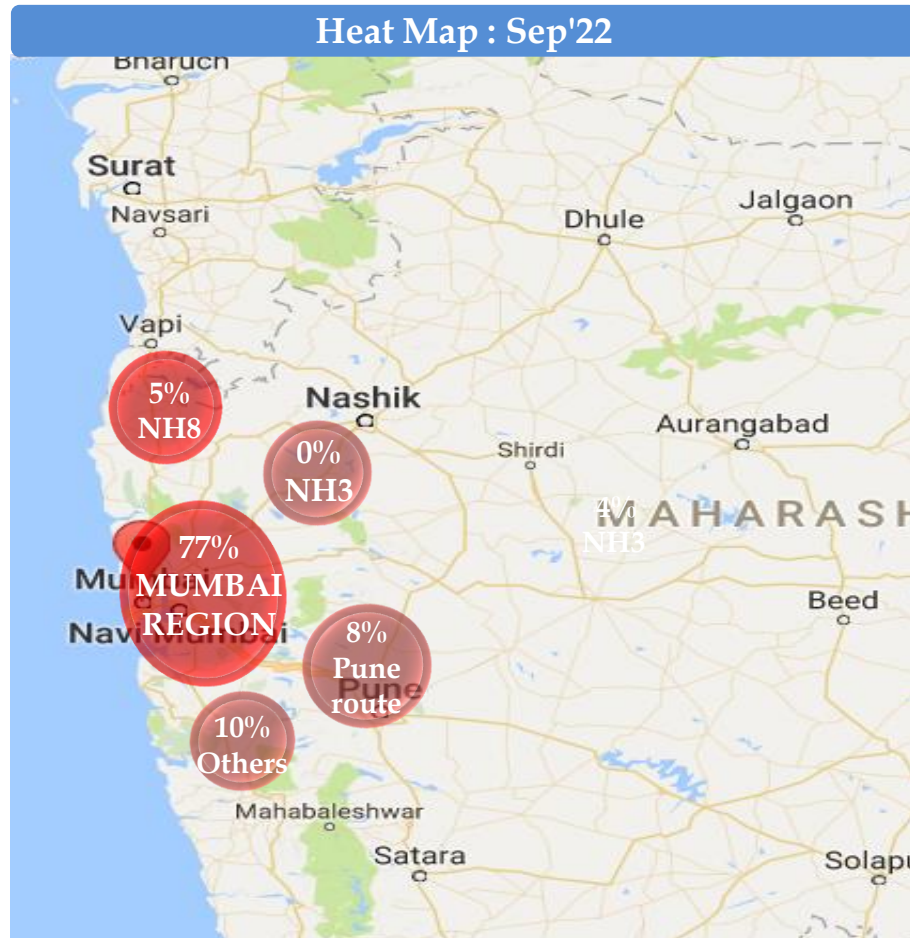
The average export cycle dwell time of JNPA region port terminals for Sep'22 is **71.0 hrs.**



ANNEXURE

Container movement around JNPA Port terminal region via Truck

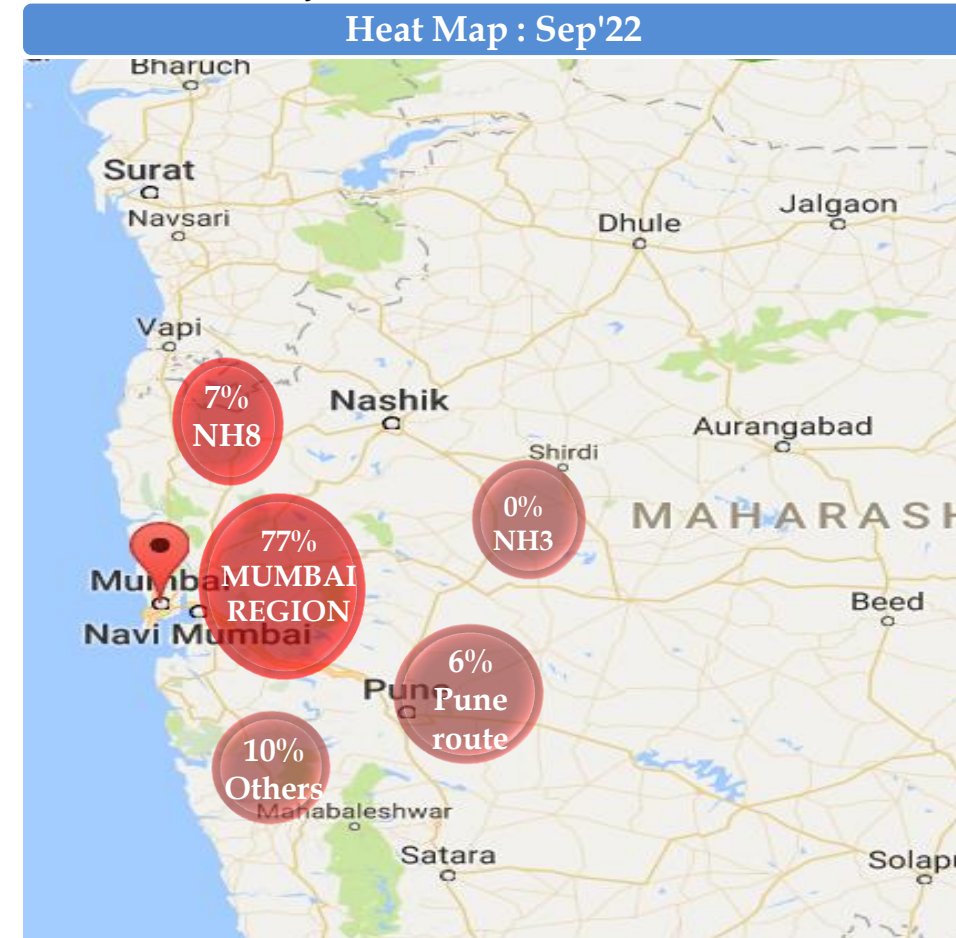
HEAT MAP : GTI Port Terminal



Region	Aug'22	Sep'22
Mumbai region	80%	77%
NH3	0%	0%
Pune	6%	8%
NH8	4%	5%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal



Region	Aug'22	Sep'22
Mumbai region	82%	77%
NH3	1%	0%
Pune	3%	6%
NH8	4%	7%
others	10%	10%

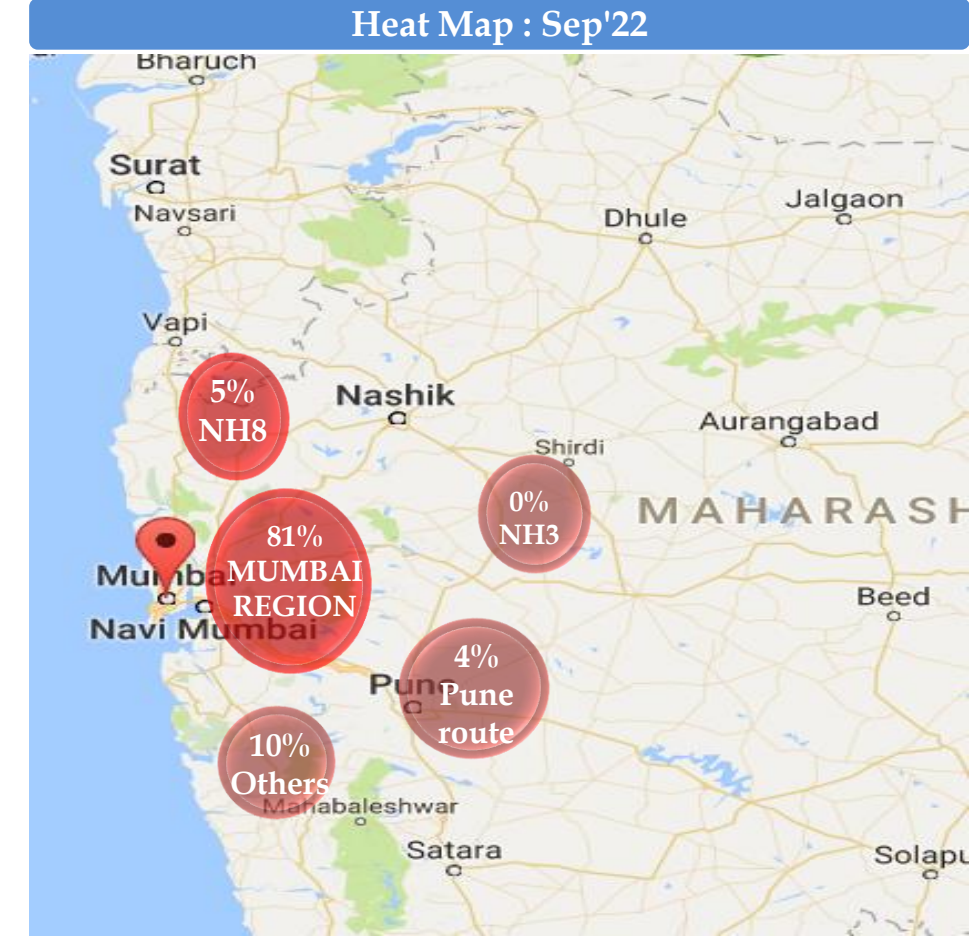
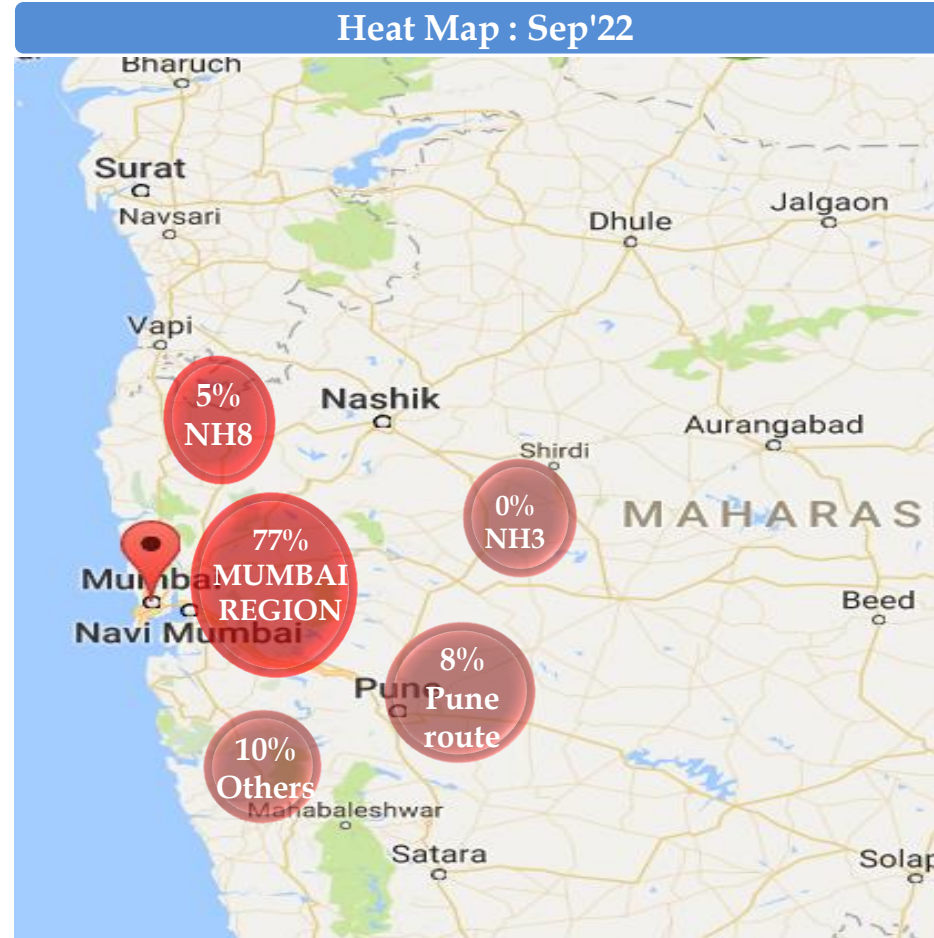
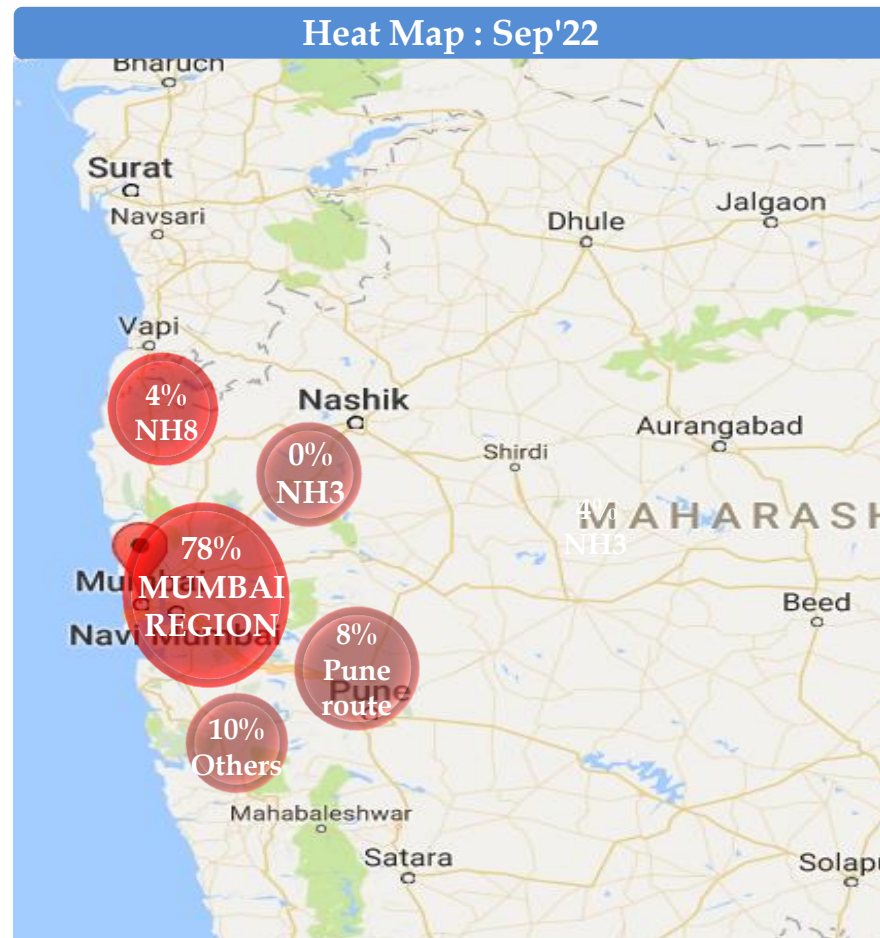
The heat map above depicts the movement of containers in and around the Mumbai region.

Container movement around JNPA Port terminal region via Truck

HEAT MAP : NSIGT Port Terminal

HEAT MAP : NSICT Port Terminal

HEAT MAP : BMCT Port Terminal



Region	Aug'22	Sep'22
Mumbai region	83%	78%
NH3	0%	0%
Pune	4%	8%
NH8	3%	4%
others	10%	10%

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

Region	Aug'22	Sep'22
Mumbai region	82%	77%
NH3	0%	0%
Pune	4%	8%
NH8	4%	5%
others	10%	10%

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

Region	Aug'22	Sep'22
Mumbai region	83%	81%
NH3	0%	0%
Pune	3%	4%
NH8	4%	5%
others	10%	10%

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

CFS - AVERAGE DELIVERY TIME – all CFS in Mumbai TO JNPA Port

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

For Sep'22					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.5	1.8	2.7	2.0	2.9
Punjab Conware CFS, Navi Mumbai	3.1	2.6	2.1	2.6	3.6
JWC Logistics Park CFS	3.9	2.8	3.3	2.9	5.2
CWC Hind Terminal CFS, Navi Mumbai	-	-	-	-	-
Dronogiri Rail Terminal CFS, Navi Mumbai	1.8	2.5	1.8	1.4	3.8
Navkar Corporation Yard 2 CFS, Panvel	5.2	6.1	6.5	3.7	8.1
Vaishno Logistics CFS, Navi Mumbai	1.6	2.0	2.0	3.1	4.0
Speedy Multimode CFS, JNPA	1.7	2.3	2.2	1.8	3.9
Balmer & Lawrie CFS, Navi Mumbai	2.6	2.5	2.5	3.1	5.0
Navkar Corporation Yard 3 CFS, Panvel	4.1	4.4	4.4	6.2	5.5
Ashte Logistics CFS, Panvel	3.2	2.9	4.0	2.6	5.9
Continental Warehousing CFS, Navi Mumbai	1.5	1.9	1.7	1.6	3.3
SBW Logistics CFS, Navi Mumbai	-	4.6	4.4	-	6.9
Maharashtra State Corp CFS	1.9	2.6	2.5	1.7	4.0
Internation Cargo Terminal CFS	2.8	2.0	2.2	2.2	2.8
Seabird CFS, Navi Mumbai	2.1	2.5	2.2	2.2	5.2
Apollo Logisolutions CFS, Panvel	3.9	3.1	3.1	4.3	5.6
Ameya Logistics CFS, Navi Mumbai	2.1	2.1	2.1	2.2	3.9
AllCargo Logistics	1.6	2.3	2.8	2.4	3.4
Ocean Gate CFS, Panvel	2.8	3.1	3.5	3.1	4.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	4.0	2.1	3.0	2.1	5.3
Indev Logistics CFS, Panvel	2.5	3.1	2.4	2.9	4.6
CWC Dronagiri CFS, Navi Mumbai	-	-	-	-	-
APM (Maersk India) CFS, Navi Mumbai	1.5	2.4	1.6	2.0	2.8

CFS DELIVERY TIME ANALYSIS

CFS - AVERAGE DELIVERY TIME - GTI TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from GTI to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- GTI TO ALL CFS IN MUMBAI

CFS	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	4.1
Ameya Logistics CFS, Navi Mumbai	2.4
AllCargo Logistics	2.9
Indev Logistics CFS, Panvel	2.7
Navkar Corporation Yard 3 CFS, Panvel	4.4
Seabird CFS, Navi Mumbai	2.5
Balmer & Lawrie CFS, Navi Mumbai	2.4
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	5.1
Navkar Corporation Yard 1 CFS, Panvel	3.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.8
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPA	2.4
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	3.8
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	2.2
JWC Logistics Park CFS	3.4
SBW Logistics CFS, Navi Mumbai	3.6
Ocean Gate CFS, Panvel	4.2
Maharashtra State Corp CFS	2.0

CFS - AVERAGE DELIVERY TIME - JNPCT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from JNPCT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- JNPCT TO ALL CFS IN MUMBAI

CFS	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.6
APM (Maersk India) CFS, Navi Mumbai	1.4
Internation Cargo Terminal CFS	3.0
Ameya Logistics CFS, Navi Mumbai	2.6
AllCargo Logistics	2.7
Indev Logistics CFS, Panvel	2.4
Navkar Corporation Yard 3 CFS, Panvel	3.1
Seabird CFS, Navi Mumbai	1.9
Balmer & Lawrie CFS, Navi Mumbai	2.3
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	1.9
Navkar Corporation Yard 1 CFS, Panvel	3.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	4.9
Speedy Multimode CFS, JNPA	2.1
Apollo Logisolutions CFS, Panvel	2.5
Navkar Corporation Yard 2 CFS, Panvel	3.6
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	1.4
JWC Logistics Park CFS	2.3
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	1.6

CFS DELIVERY TIME ANALYSIS



CFS - AVERAGE DELIVERY TIME - NSICT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from NSICT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- NSICT TO ALL CFS IN MUMBAI

CFS	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	2.4
Ameya Logistics CFS, Navi Mumbai	2.3
AllCargo Logistics	3.4
Indev Logistics CFS, Panvel	3.0
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	3.0
Balmer & Lawrie CFS, Navi Mumbai	3.0
Ashte Logistics CFS, Panvel	2.4
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	2.5
Navkar Corporation Yard 1 CFS, Panvel	5.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPA	2.4
Apollo Logisolutions CFS, Panvel	3.6
Navkar Corporation Yard 2 CFS, Panvel	4.5
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.0
JWC Logistics Park CFS	3.7
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	3.9
Maharashtra State Corp CFS	2.9

CFS - AVERAGE DELIVERY TIME - NSIGT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from NSIGT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- NSIGT TO ALL CFS IN MUMBAI

CFS	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	2.2
Ameya Logistics CFS, Navi Mumbai	2.5
AllCargo Logistics	3.4
Indev Logistics CFS, Panvel	2.8
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	3.1
Balmer & Lawrie CFS, Navi Mumbai	3.8
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	2.0
Navkar Corporation Yard 1 CFS, Panvel	5.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4
Maersk Annex (APM)CFS, Navi Mumbai	1.9
Speedy Multimode CFS, JNPA	1.9
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	4.2
Punjab Conware CFS, Navi Mumbai	2.3
Vaishno Logistics CFS, Navi Mumbai	2.0
JWC Logistics Park CFS	3.5
SBW Logistics CFS, Navi Mumbai	6.6
Ocean Gate CFS, Panvel	4.3
Maharashtra State Corp CFS	2.0

CFS - AVERAGE DELIVERY TIME - BMCT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from BMCT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- BMCT TO ALL CFS IN MUMBAI

CFS	Sep'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.8
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	3.6
Ameya Logistics CFS, Navi Mumbai	2.4
AllCargo Logistics	2.8
Indev Logistics CFS, Panvel	2.7
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	2.2
Ashte Logistics CFS, Panvel	2.7
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	4.0
Navkar Corporation Yard 1 CFS, Panvel	4.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPA	2.5
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	4.0
Punjab Conware CFS, Navi Mumbai	2.0
Vaishno Logistics CFS, Navi Mumbai	2.1
JWC Logistics Park CFS	3.2
SBW Logistics CFS, Navi Mumbai	3.0
Ocean Gate CFS, Panvel	3.9
Maharashtra State Corp CFS	1.6

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 Sep'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	2.3
Cluster 2	6	13	2.6	2.1
Cluster 3	6	11	2.2	2.6
Cluster 4	1	13	2.2	2.0
Cluster 5	2	25	3.8	3.0
Cluster 6	6	25	3.3	3.1
Cluster 7	4	12	2.4	2.1
Cluster 8	1	34	3.6	4.6

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Sep'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	1.7
Cluster 2	6	13	2.4	2.6
Cluster 3	6	11	1.8	2.0
Cluster 4	1	13	1.4	1.6
Cluster 5	2	25	2.8	3.4
Cluster 6	6	25	3.0	3.9
Cluster 7	4	12	2.6	1.6
Cluster 8	1	34	3.7	-

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**

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 Sep'22

NSIGT terminal for month of Sep'22

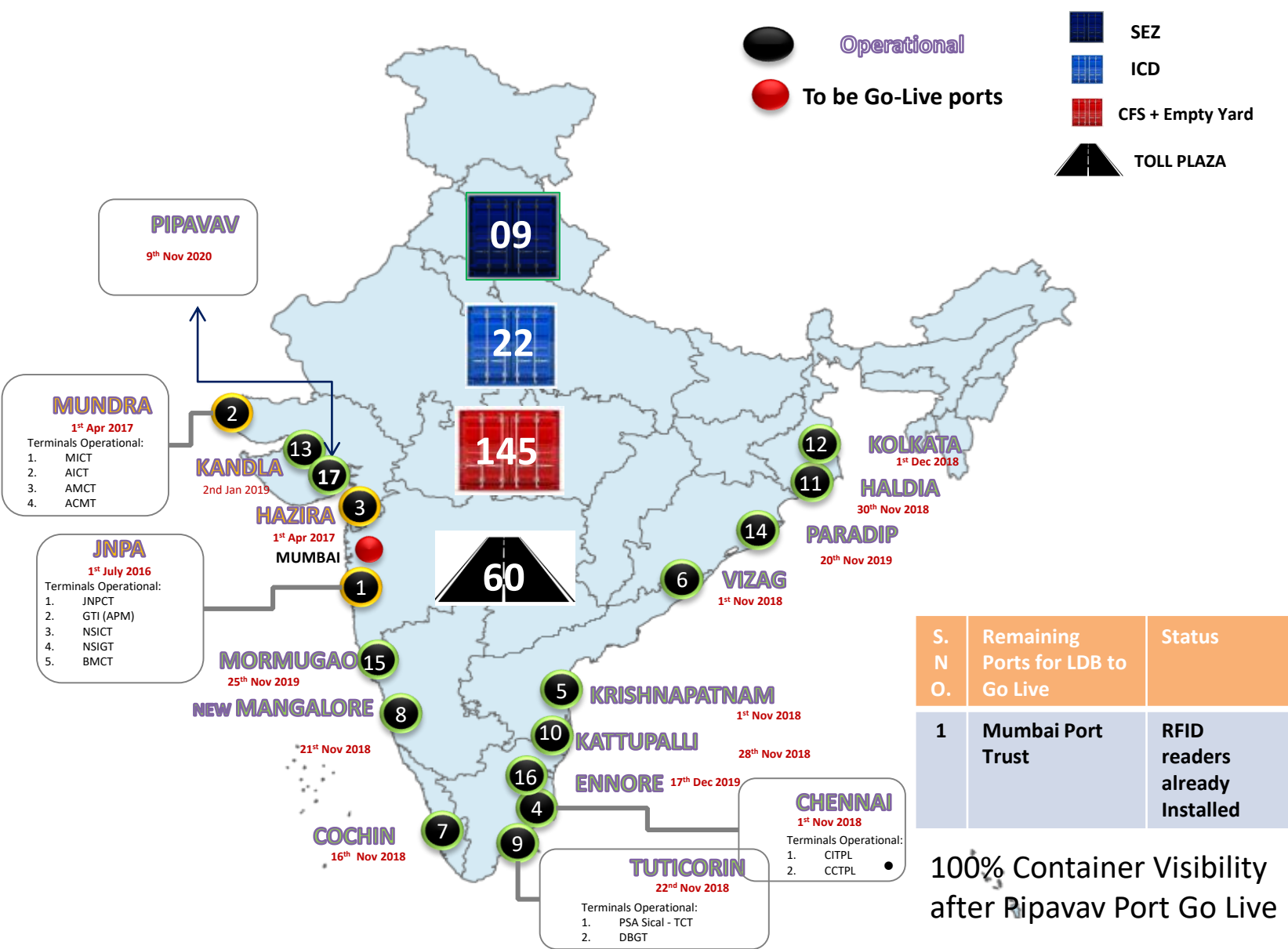
BMCT terminal for month of Sep'22

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	2.2
Cluster 2	6	13	2.5	2.5
Cluster 3	6	11	2.7	2.2
Cluster 4	1	13	2.0	2.0
Cluster 5	2	25	3.8	3.4
Cluster 6	6	25	4.0	4.0
Cluster 7	4	12	2.3	2.1
Cluster 8	1	34	3.7	4.4

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	1.8
Cluster 2	6	13	2.3	2.1
Cluster 3	6	11	2.0	1.9
Cluster 4	1	13	2.0	3.1
Cluster 5	2	25	3.9	3.0
Cluster 6	6	25	3.6	3.7
Cluster 7	4	12	2.5	2.2
Cluster 8	1	34	6.6	-

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	2.5	3.9
Cluster 2	6	13	2.5	2.9
Cluster 3	6	11	2.0	3.9
Cluster 4	1	13	2.1	4.0
Cluster 5	2	25	3.6	5.0
Cluster 6	6	25	3.5	5.6
Cluster 7	4	12	2.4	3.4
Cluster 8	1	34	3.0	6.9

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**



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	Ocean Gate CFS, Panvel
2	Ameya Logistics CFS, Navi Mumbai	25	Ashutosh CFS, Mundra
3	Continental Warehousing CFS, Navi Mumbai	26	Vaishno Logistics CFS, Navi Mumbai
4	Saurashtra CFS, Mundra	27	Ashte Logistics CFS, Panvel
5	Adani CFS Eximyard, Mundra	28	Apollo Logisolutions CFS, Panvel
6	MICT CFS, Mundra	29	TG Terminals CFS
7	Speedy Multimode CFS, JNPT	30	APM (Maersk India) CFS, Navi Mumbai
8	AllCargo Logistics	31	Rishi CFS, Mundra
9	JWC Logistics Park CFS	32	Landmark CFS, Mundra
10	CWC CFS, Mundra	33	Seabird CFS, Hazira
11	Hind Terminals Pvt. Ltd. CFS, Mundra	34	Seabird CFS, Navi Mumbai
12	Balmer & Lawrie CFS, Navi Mumbai	35	Navkar Corporation Yard 2 CFS, Panvel
13	Navkar Corporation Yard 3 CFS, Panvel	36	Maharashtra State Corp CFS
14	International Cargo Terminals (ULA) CFS, Navi Mumbai	37	Mundhra CFS, Mundra
15	Honey Comb CFS, Mundra	38	Take Care Logistics CFS
16	TG Terminals CFS, Mundra	39	Navkar Corporation Yard 1 CFS, Panvel
17	Seabird CFS, Mundra	40	Kerry Indev Logistics Pvt Ltd CFS
18	EFC Logistics India	41	Transworld CFS, Mundra
19	Adani CFS, Hazira	42	Empezar Logistics CFS
20	Sarveshwar CFS	43	A V Joshi CFS
21	Punjab Conware CFS, Navi Mumbai	44	Maersk Annex (APM)CFS, Navi Mumbai
22	International Cargo Terminal CFS	45	CWC Impex Park CFS, Navi Mumbai
23	Dronagiri Rail Terminal CFS, Navi Mumbai	46	Hind Terminal CFS, Hazira
		47	LCL Logistix CFS, Pipavav



THANK YOU