

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	May'22 (in hrs)	Jun'22 (in hrs)	Port	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	45.6	41.3	JNPCT	75.2	78.0
NSICT	29.1	21.6	NSICT	63.6	62.2
GTI	18.8	16.8	GTI	82.6	80.5
NSIGT	33.2	21.3	NSIGT	88.0	82.8
BMCT/PSA	24.1	20.1	BMCT/PSA	64.9	72.3

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 has improved and ICD has also improved as compared to last month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Jun'22	20.7 hrs	75.7 hrs	81.0 hrs	116.9 hrs
May'22	25.8 hrs	76.2 hrs	87.1 hrs	120.0 hrs

IMPORT

Port Dwell Time

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall	28.2	24.9
Truck	23.2	20.9
Train	75.3	59.0

EXPORT

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall	90.8	90.1
Truck	83.9	83.5
Train	127.4	127.6

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	May'22 (in hrs)	Jun'22 (in hrs)
CFS	88.9	83.5
ICD	120.0	116.9

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

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

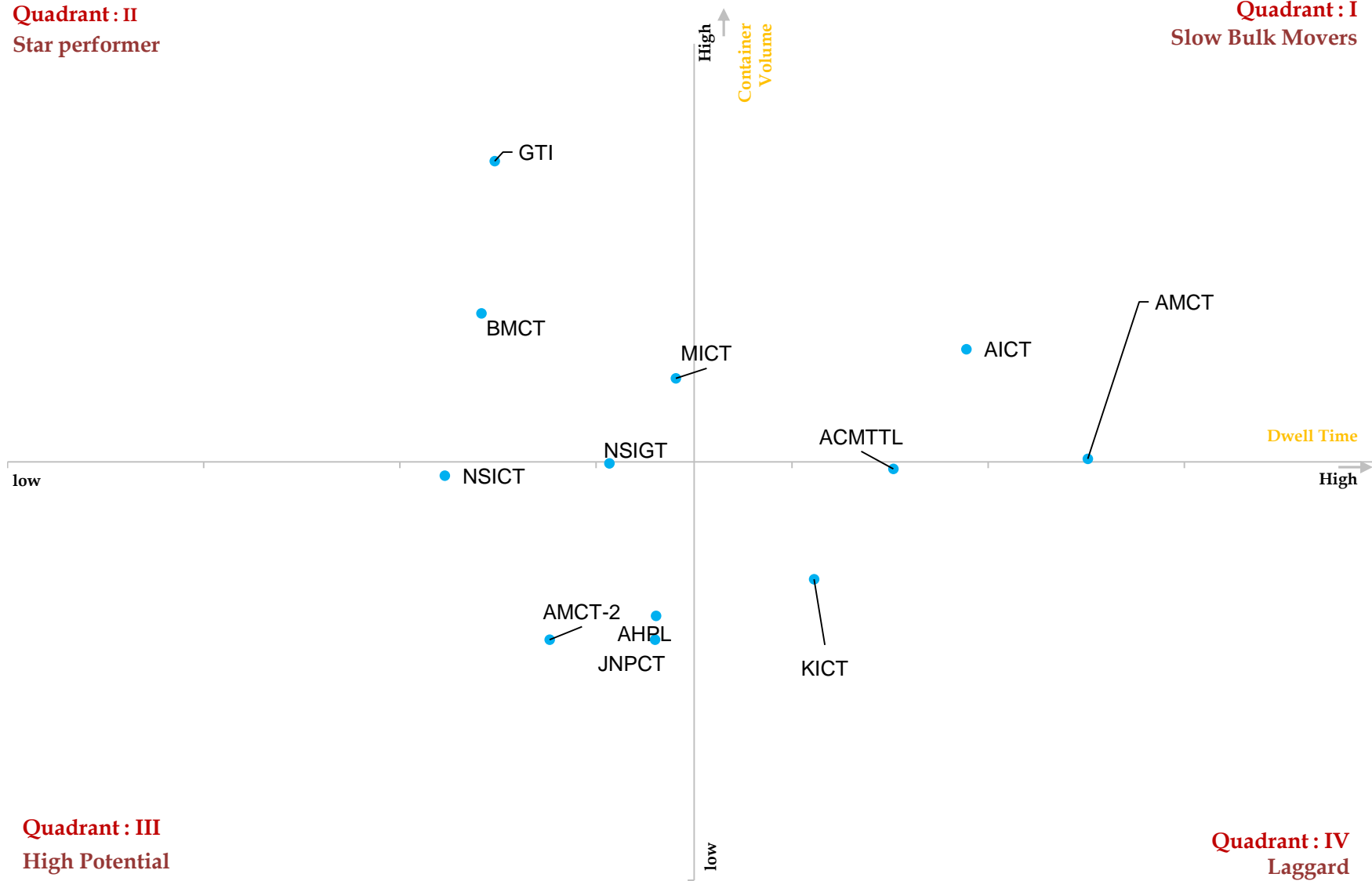


Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - June'22

Quadrant : II
Star performer



Quadrant : III
High Potential

Quadrant : IV
Laggard



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

Top Performing Terminal	
Gateway Terminals India (GTI)	
May'22	Jun'22
44.8 Hrs	40.2 Hrs ↑
Low Performing Terminal	
Adani CMA Mundra Terminal (ACMTTL)	
May'22	Jun'22
73.8 Hrs	76.1 Hrs ↓

Note: The performance benchmarking is based on performance index



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

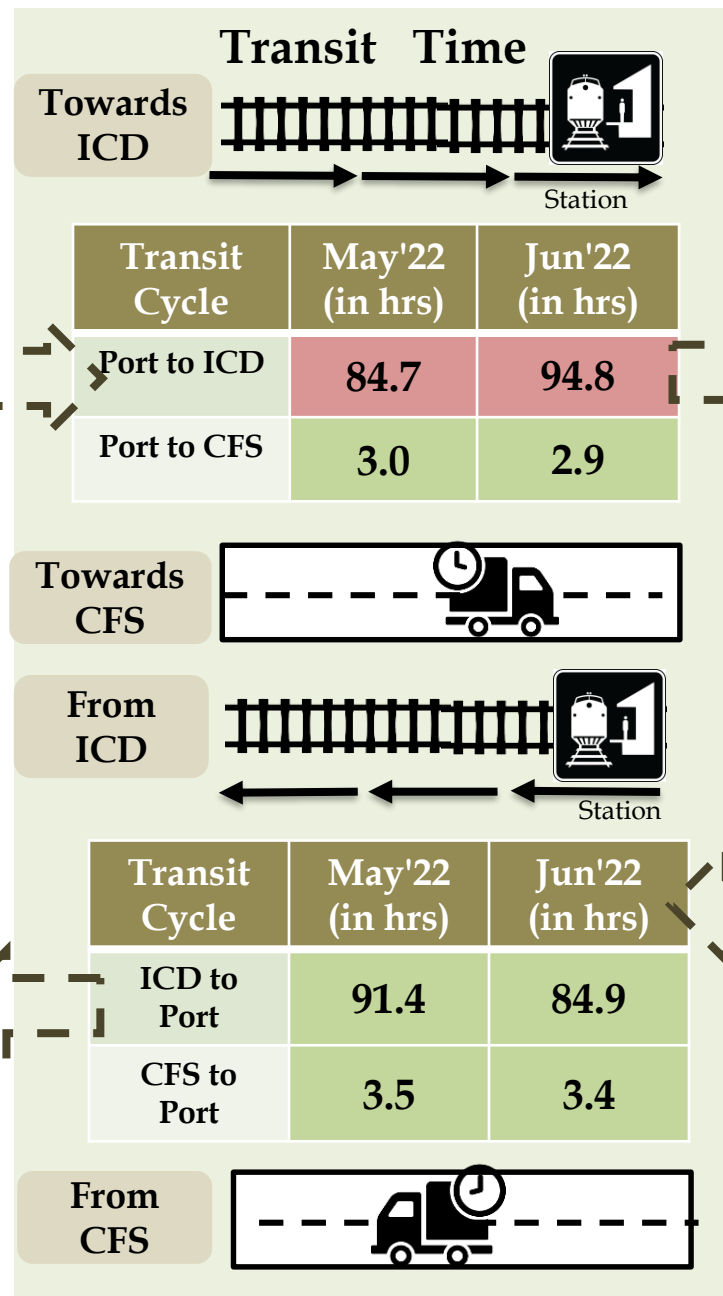
Container Lifecycle (Import Cycle)

IMPORT

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall	25.8	20.7
Truck	21.8	18.1
Train	76.5	46.6

EXPORT

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall	76.2	75.7
Truck	72.7	71.8
Train	105.5	110.8



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

Entity	May'22 (in hrs)	Jun'22 (in hrs)
CFS	87.1	81.0
ICD	120.0	116.9

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	82%	18%
Export	81%	19%

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

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

Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

%IMPORT CYCLE DWELL TIME (Jun'22 – in hrs)			Compared to May'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.7	19.8%	↑
	Port Dwell Time for Truck Bound Containers	18.1	17.0%	↑
	Port Dwell time for Train Bound Containers	46.6	39.1%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	32.0	17.5%	↑
	Port Dwell time Containers bound for CFS	16.8	10.2%	↑
	Port Dwell for Empty Containers	27.3	30.9%	↑
	Port Dwell for Laden Containers	19.4	15.3%	↑
TRANSIT TIME	Port to ICD	94.8	11.9%	↓
	Port to CFS	2.90	2.7%	↑

EXPORT CYCLE DWELL TIME (Jun'22- in hrs)			Compared to May'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	75.7	0.7%	↑
	Port Dwell Time for Truck Bound Containers	71.8	1.2%	↑
	Port Dwell time for Train Bound Containers	110.8	5.0%	↓
	Port Dwell time Direct Port Entry (DPE) containers	77.4	1.5%	↑
	Port Dwell time Containers bound from CFS	71.6	3.1%	↑
	Port Dwell for Empty Containers	68.6	3.0%	↑
	Port Dwell for Laden Containers	77.1	0.3%	↑
TRANSIT TIME	ICD to Port	84.9	7.1%	↑
	CFS to Port	3.43	0.9%	↑

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

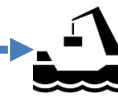
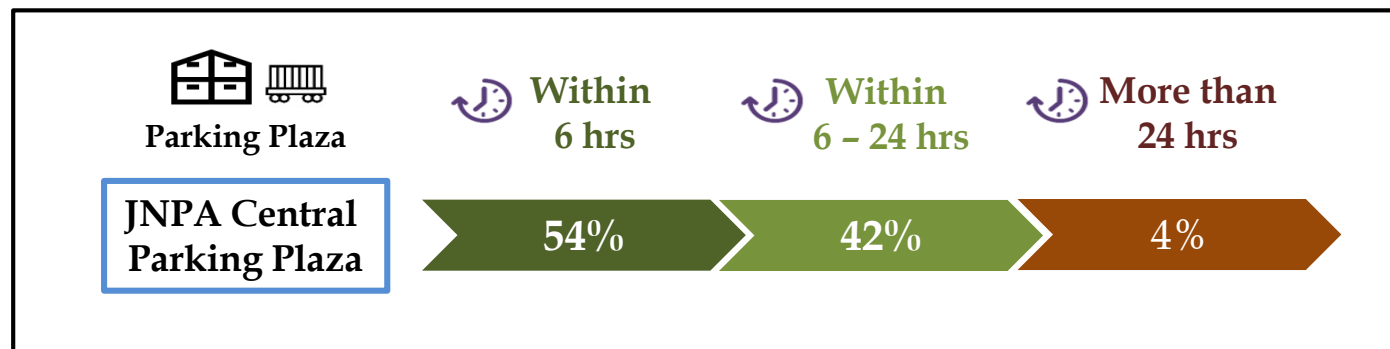
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall Parking Plaza	5.52	5.57

Container Handled: Day wise (Jun'22)

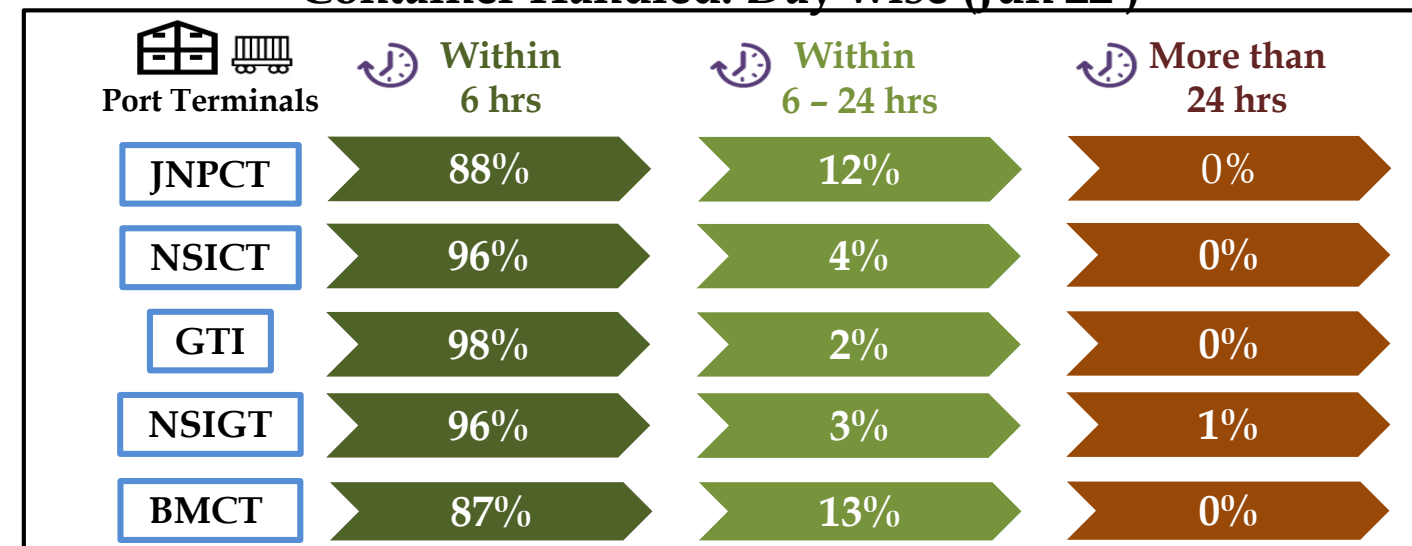


Parking Plaza Gate Out - Terminal In

Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.49	1.28

Port	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	1.2	1.9
NSICT	1.0	0.9
GTI	0.8	0.8
NSIGT	1.7	0.9
BMCT	3.0	3.1

Container Handled: Day wise (Jun'22)





Performance Benchmarking



Top Performing CFS

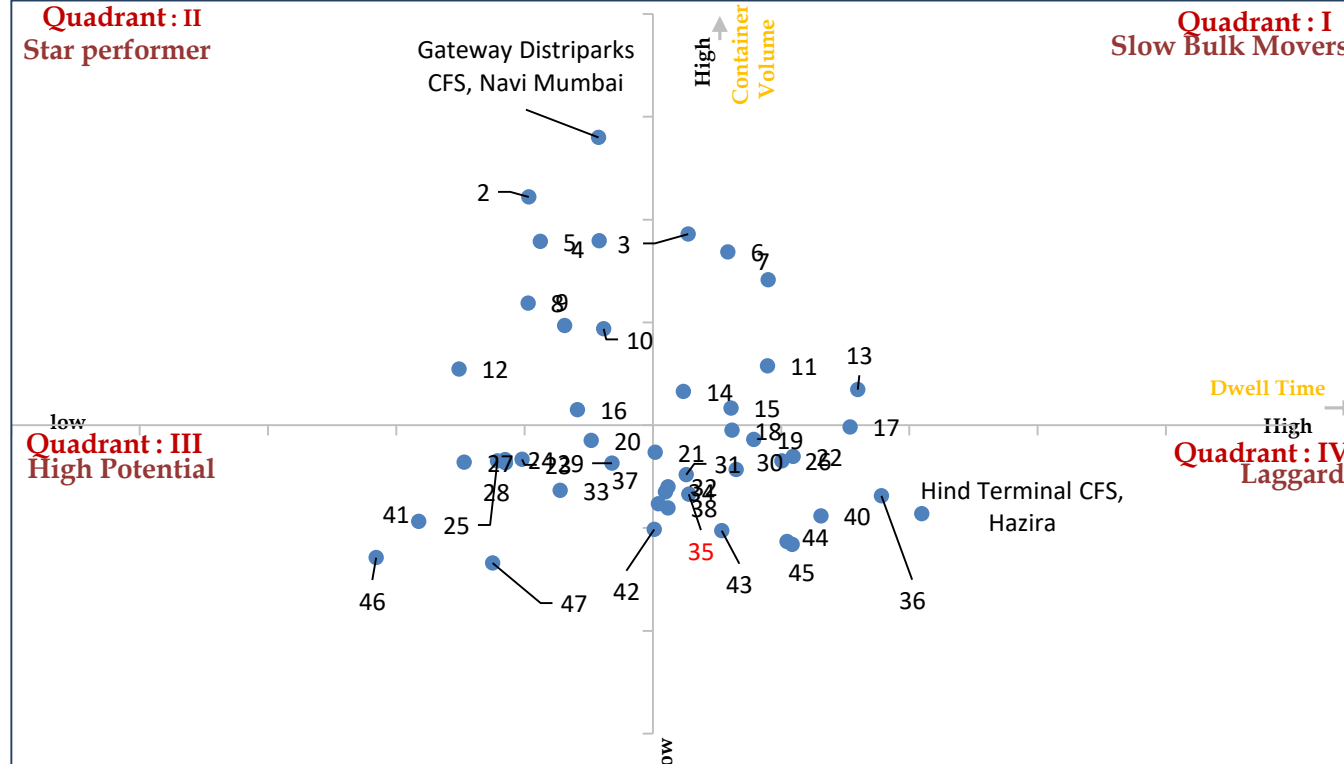
Gateway Distriparks CFS, Navi Mumbai		
May'22	Jun'22	↑
82.1 hrs	80.0 hrs	

Low Performing CFS

Hind Terminal CFS, Hazira		
May'22	Jun'22	↑
135.8 hrs	110.0 hrs	

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

Performance Index: Western Corridor CFS



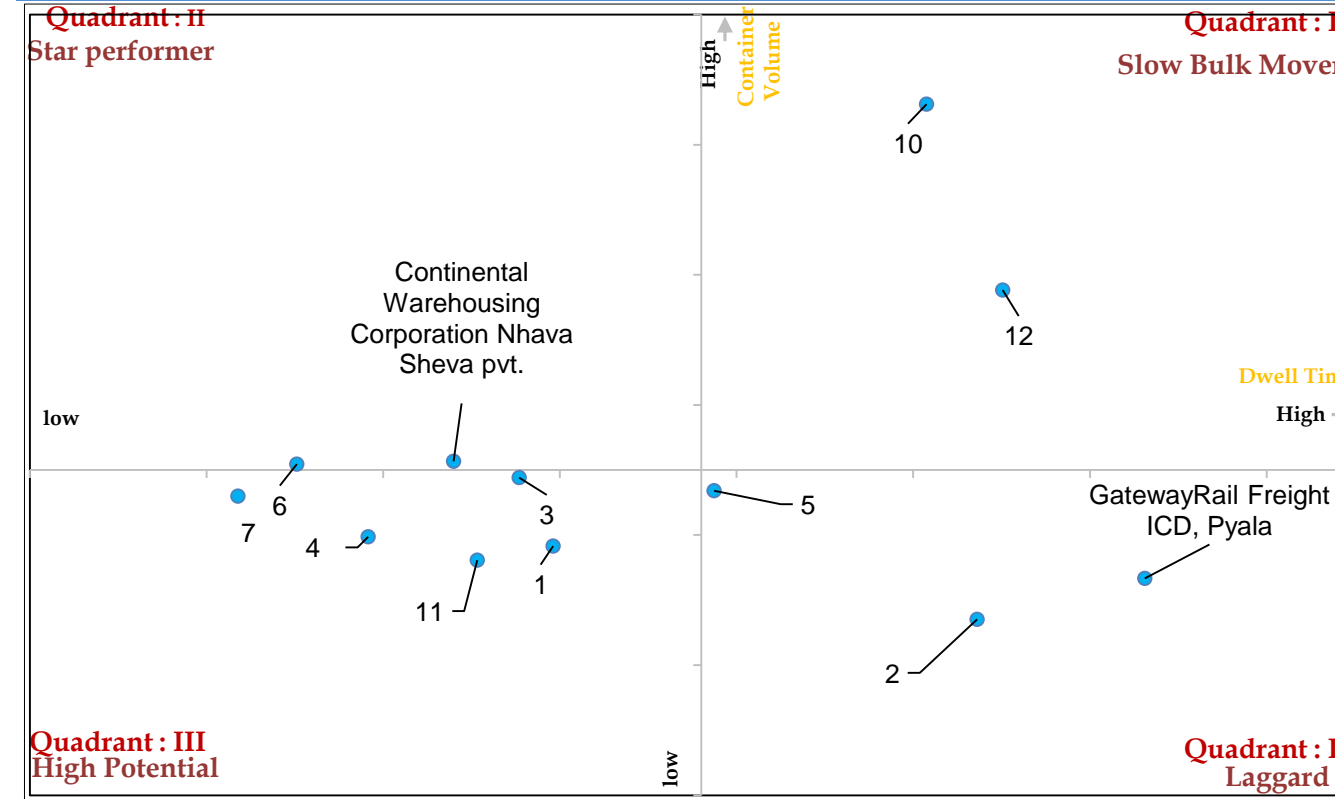
Top Performing ICD

Continental Warehousing Corporation Nhava Sheva pvt.		
May'22	Jun'22	↑
114.3 hrs	101.7 hrs	

Low Performing ICD

GatewayRail Freight ICD, Pyala		
May'22	Jun'22	↑
135.2 hrs	133.0 hrs	

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

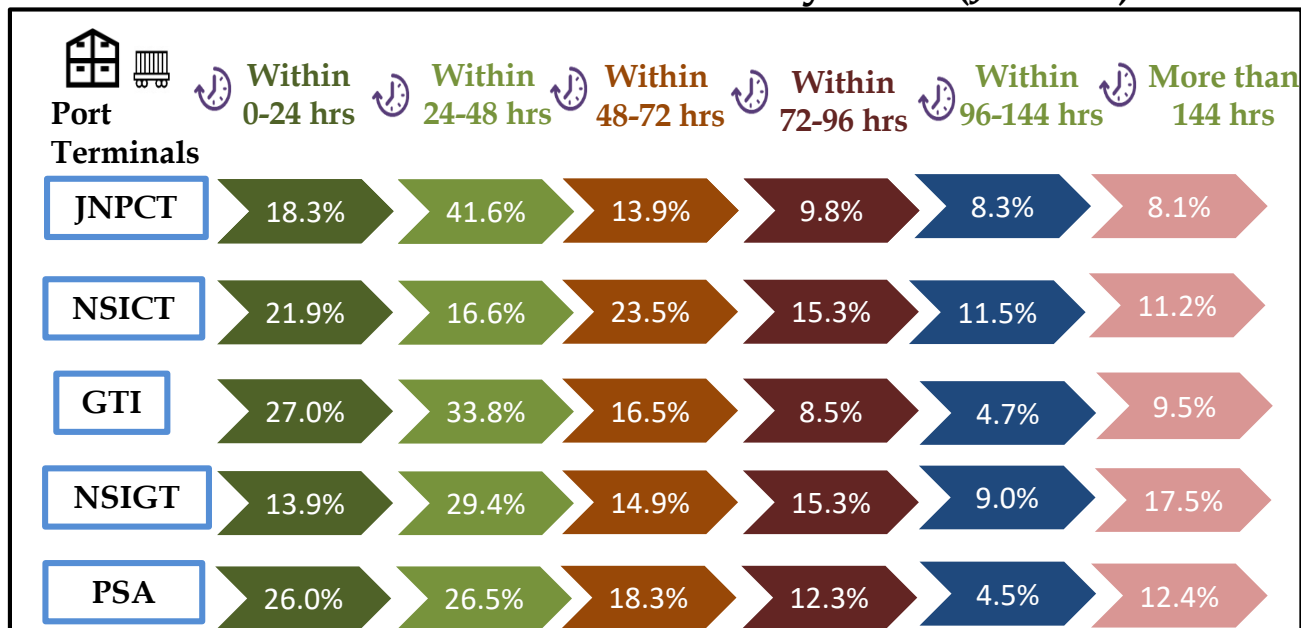
PORT IMPORT via TRAIN

(21% of total import volume at JNPA Port)

The Port Dwell time data for train bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	63.3	41.3
NSICT	91.6	60.5
GTI	51.3	38.2
NSIGT	109.4	57.6
BMCT	68.1	44.9

Container Handled: Day wise (Jun'22)



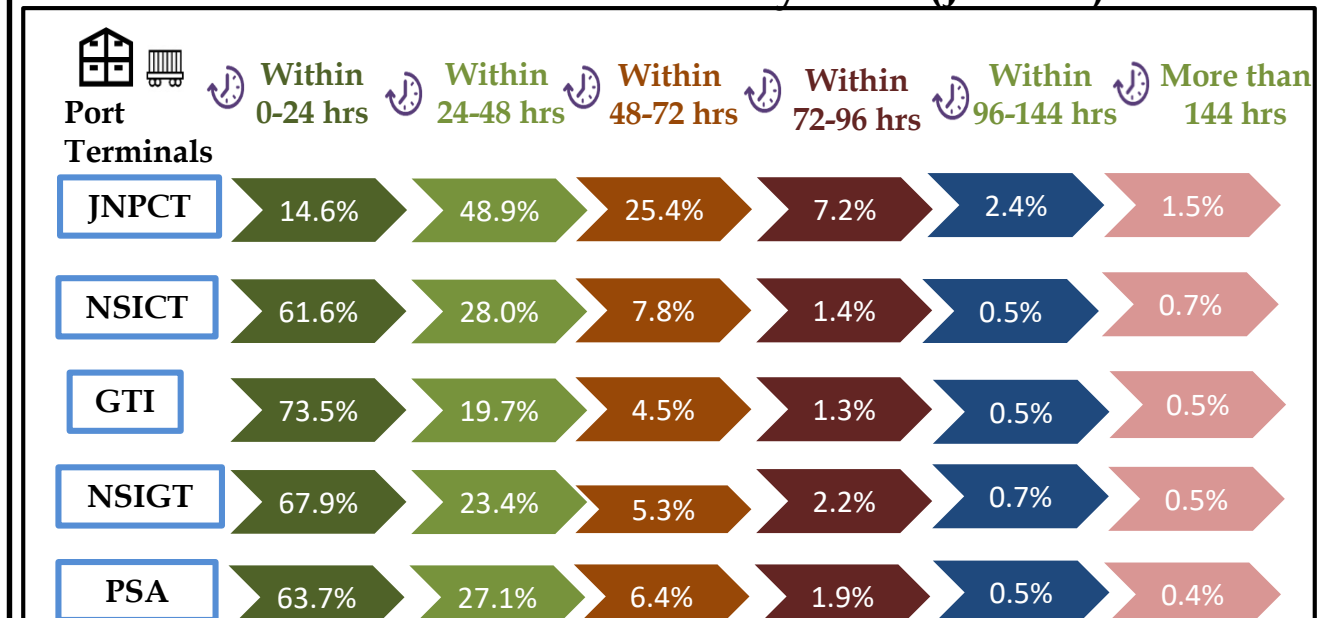
PORT IMPORT via TRUCK

(79% of total import volume at JNPA Port)

The Port Dwell time data for Truck bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	43.9	41.3
NSICT	24.4	19.4
GTI	16.4	14.9
NSIGT	25.1	17.1
BMCT	20.9	18.3

Container Handled: Day wise (Jun'22)



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

JNPCT		
Port Dwell time based on transit type		
Jun'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	41.0 hrs	39.8 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	40.4 hrs	51.0 hrs

GTI		
Port Dwell time based on transit type		
Jun'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.8 hrs	14.1 hrs
Port Dwell time based on transit type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	16.0 hrs	25.2 hrs

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

NSICT		
Port Dwell time based on transit type		
Jun'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	48.9 hrs	17.8 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	20.1 hrs	25.7 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	51.1 hrs	16.6 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	20.2 hrs	25.6 hrs

BMCT		
Port Dwell time based on transit type		
Jun'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	25.7 hrs	16.5 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	18.7 hrs	28.4 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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

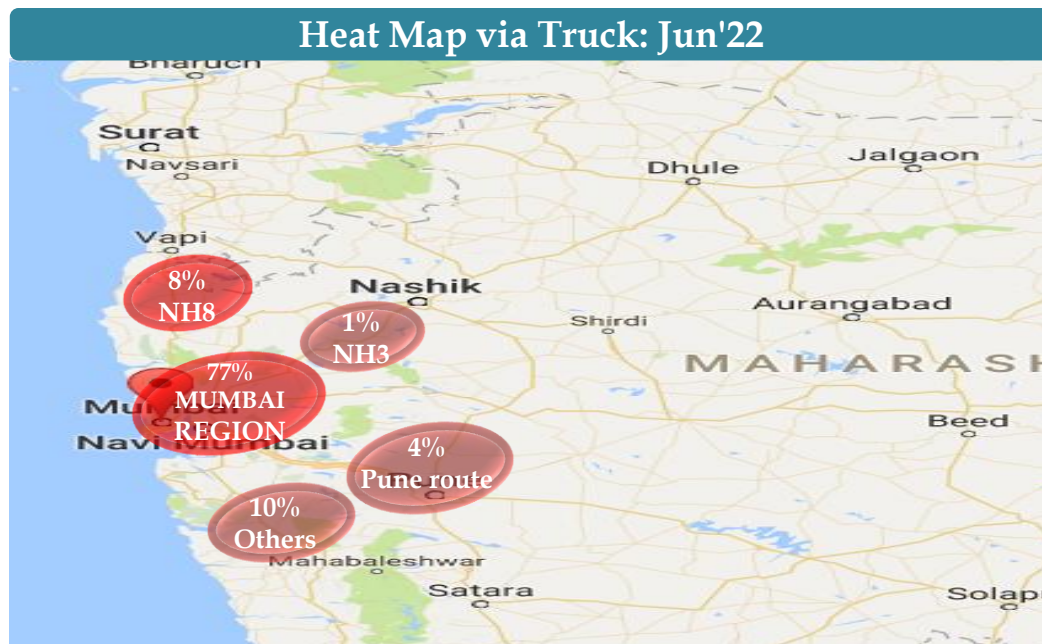
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Jun'22
Mumbai region	77%
NH3	1%
Pune	4%
NH8	8%
others	10%

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

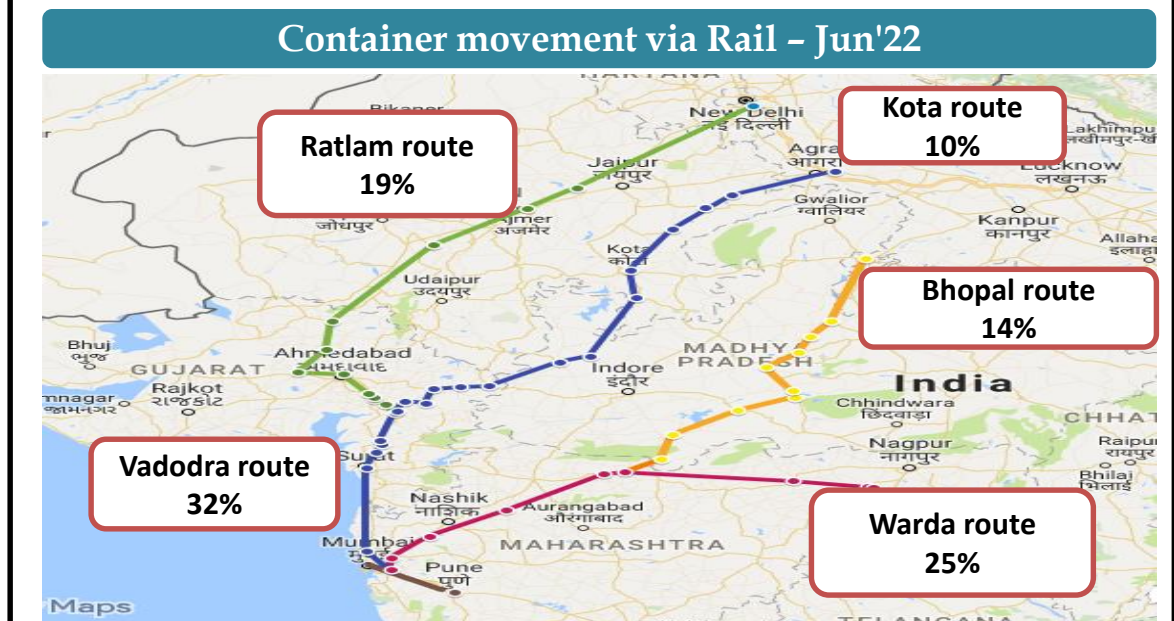


Train

VOLUME WISE CONTAINER MOVEMENT

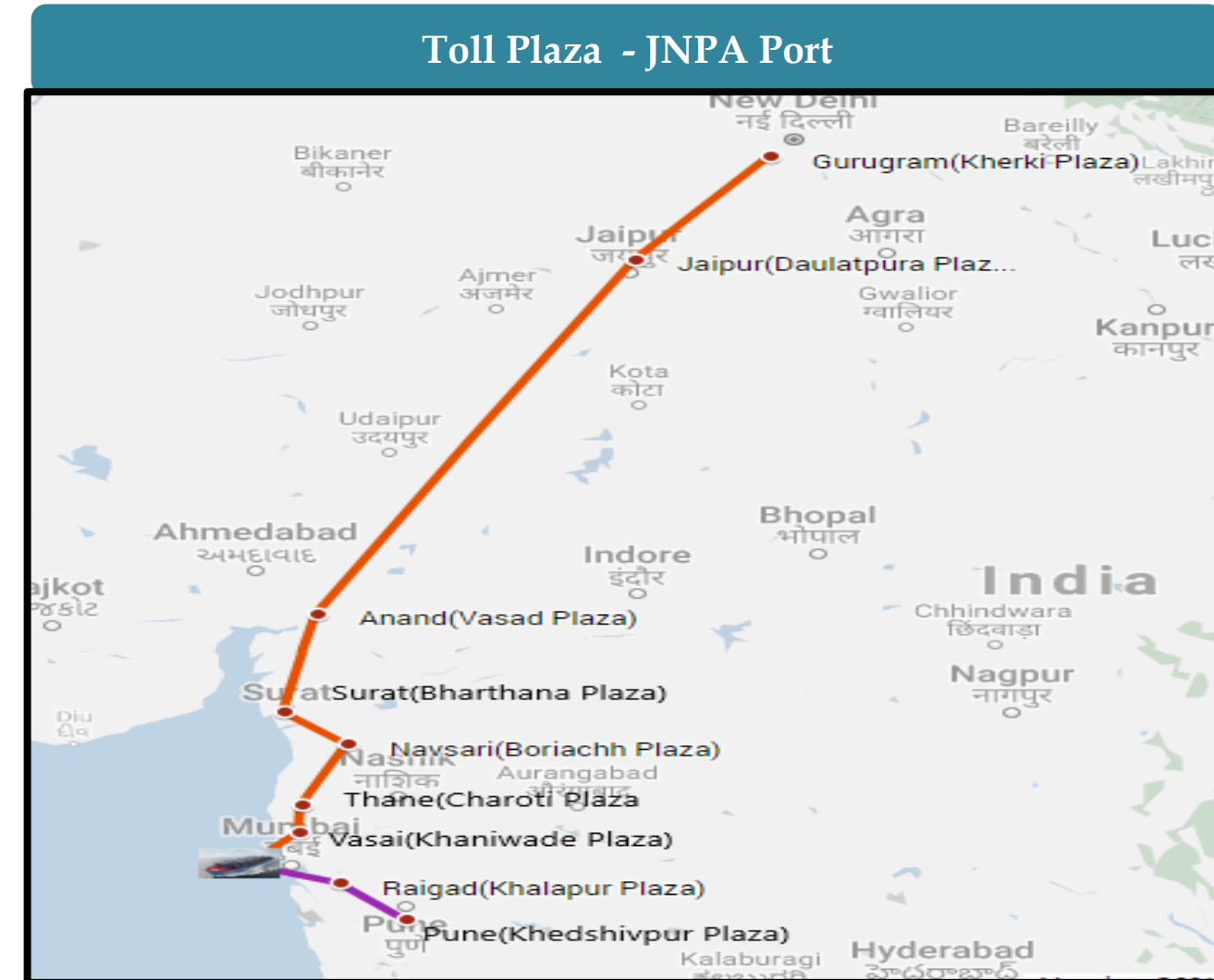
Region	Jun'22
Vadodra Route	32%
Ratlam Route	19%
Wardha Route	25%
Kota Route	10%
Bhopal Route	14%

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)	May'22 (in km/hrs)	Jun'22 (in km/hrs)
JNPA	JNPA	Khaniwade	94	14.3	14.8
	JNPA	Khalapur	60	9.9	12.3
	Khaniwade	Charoti	50	35.9	36.0
	Charoti	Boriach	126	28.2	27.6
	Boriach	Bharthan	142	33.3	31.9
	Bharthan	Vasad	60	38.3	38.6
	Khalalpur	Khedshivpur	105	33.7	-



Export Cycle Analysis

JNPA Region: Dwell Time Performance (Export Cycle)

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

PORT EXPORT via TRAIN

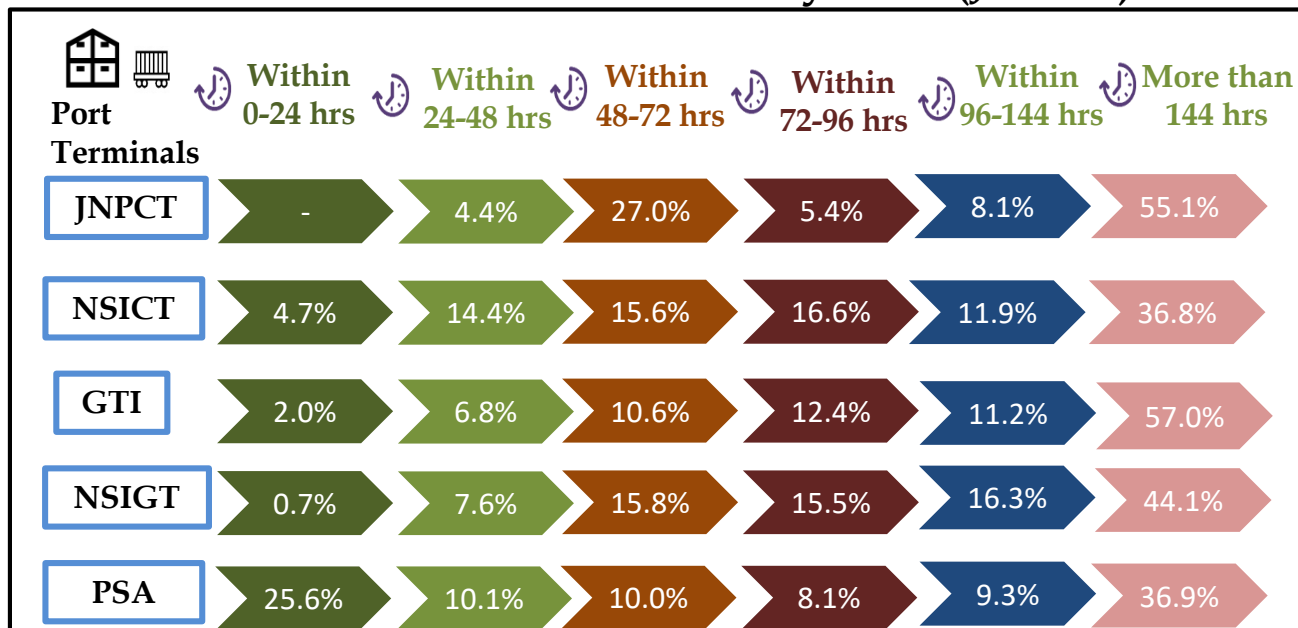
(22% of total export volume at JNPA Port)

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	May'22 (in hrs)	Jun'22 (in hrs)
NSICT	90.9	94.0
GTI	140.1	133.5
NSIGT	113.3	111.1
BMCT	68.1	86.7

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

Container Handled: Day wise (Jun'22)



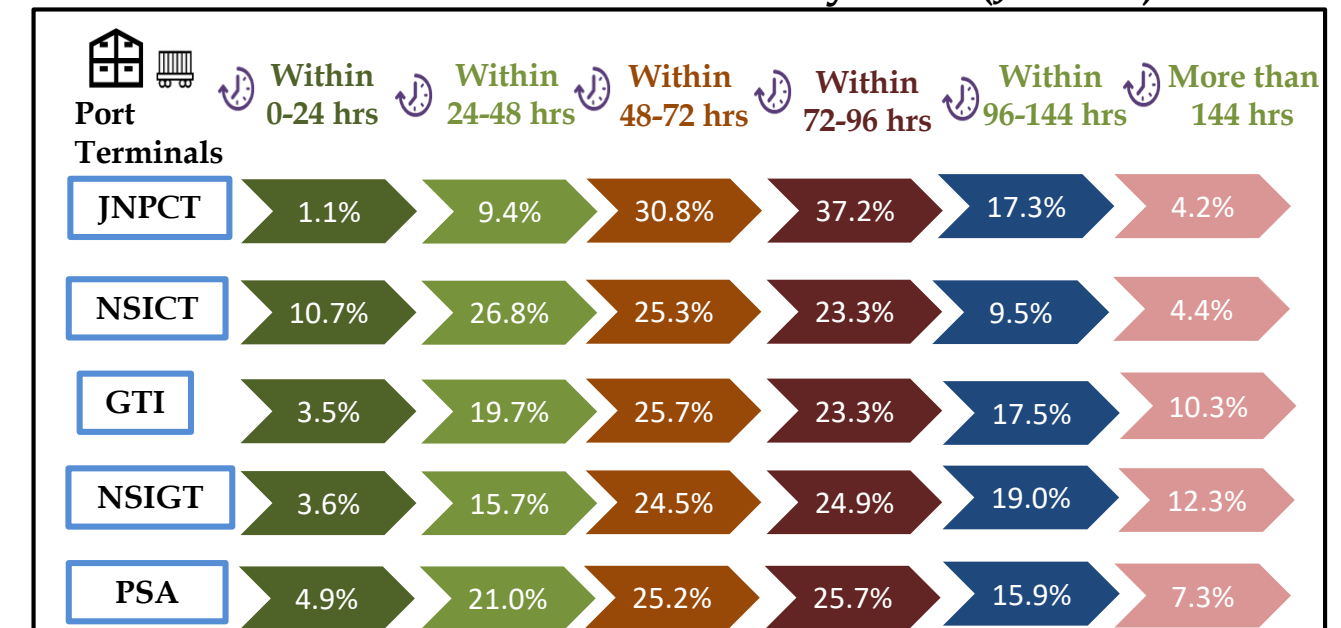
PORT EXPORT via TRUCK

(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	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	73.4	77.5
NSICT	60.5	58.9
GTI	75.8	73.1
NSIGT	84.7	78.0
BMCT	64.7	71.0

Container Handled: Day wise (Jun'22)



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

JNPCT		
Port Dwell time based on transit type		
Jun'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	78.9 hrs	75.9 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	76.7 hrs	79.9 hrs

GTI		
Port Dwell time based on transit type		
Jun'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	76.8 hrs	74.8 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	81.9 hrs	71.9 hrs

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

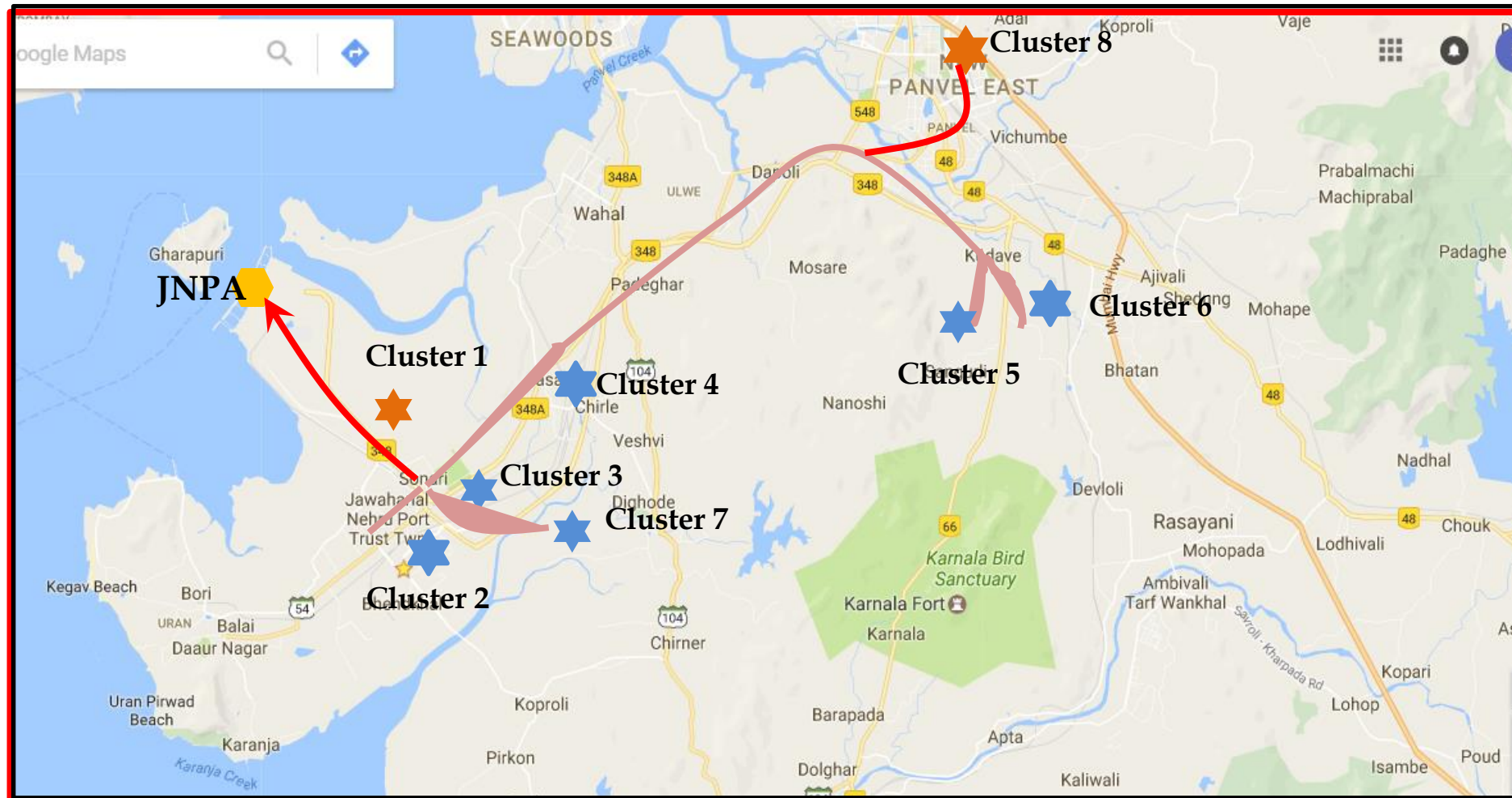
NSICT		
Port Dwell time based on transit type		
Jun'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	69.3 hrs	60.0 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	64.7 hrs	48.4 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	85.6 hrs	72.6 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	83.6 hrs	58.1 hrs

BMCT		
Port Dwell time based on transit type		
Jun'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	50.8	72.3 hrs
Port Dwell time based on container type		
Jun'22	Laden Containers	Empty Containers
Dwell time (in hrs)	74.0 hrs	64.7 hrs

JNPA Region: Congestion Analysis (Export Cycle)

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

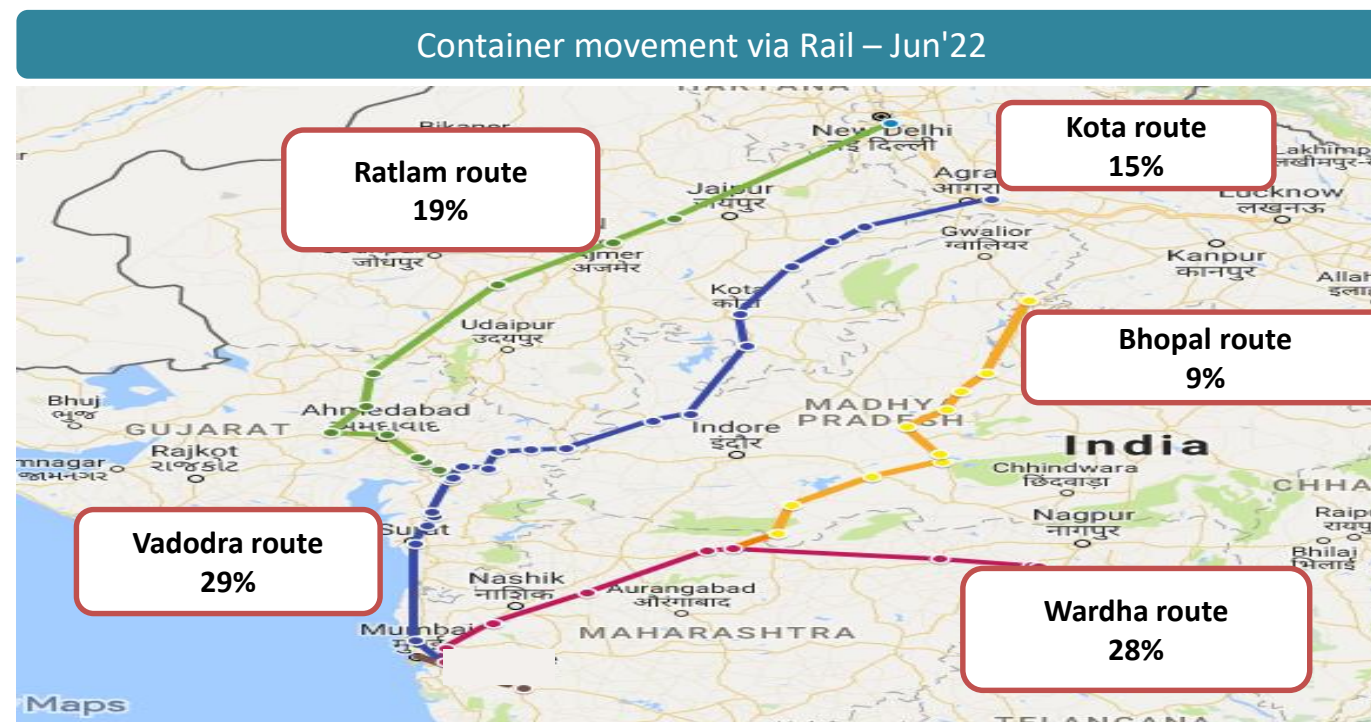
Congestion Level

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	29%
Ratlam Route	19%
Wardha Route	28%
Kota Route	15%
Bhopal Route	9%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

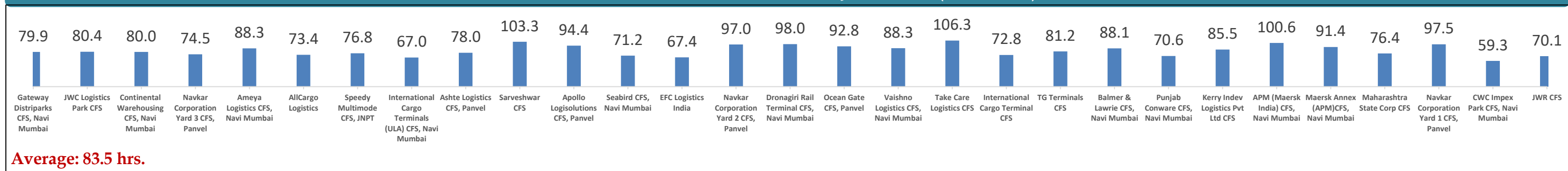
Below table and graphs show the dwell time of the respective CFSs for the month of Jun'22

CFS Dwell Time (in hrs.)

CFS	May'22 (in hrs)	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	82.1	79.9
JWC Logistics Park CFS	82.1	80.4
Continental Warehousing CFS, Navi Mumbai	83.9	80.0
Navkar Corporation Yard 3 CFS, Panvel	96.9	74.5
Ameya Logistics CFS, Navi Mumbai	93.5	88.3
AllCargo Logistics	76.2	73.4
Speedy Multimode CFS, JNPA	87.0	76.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	72.8	67.0
Ashte Logistics CFS, Panvel	91.3	78.0
Sarveshwar CFS	98.1	103.3
Apollo Logisolutions CFS, Panvel	98.2	94.4
Seabird CFS, Navi Mumbai	88.7	71.2
EFC Logistics India	82.2	67.4
Navkar Corporation Yard 2 CFS, Panvel	100.8	97.0
Dronagiri Rail Terminal CFS, Navi Mumbai	89.0	98.0

CFS	May'22 (in hrs)	Jun'22 (in hrs)
Ocean Gate CFS, Panvel	91.1	92.8
Vaishno Logistics CFS, Navi Mumbai	98.5	88.3
Take Care Logistics CFS	90.9	106.3
International Cargo Terminal CFS	80.6	72.8
TG Terminals CFS	83.2	81.2
Balmer & Lawrie CFS, Navi Mumbai	86.0	88.1
Punjab Conware CFS, Navi Mumbai	84.1	70.6
Kerry Indev Logistics Pvt Ltd CFS	81.9	85.5
APM (Maersk India) CFS, Navi Mumbai	96.5	100.6
Maersk Annex (APM)CFS, Navi Mumbai	86.9	91.4
Maharashtra State Corp CFS	76.9	76.4
Navkar Corporation Yard 1 CFS, Panvel	100.3	97.5
CWC Impex Park CFS, Navi Mumbai	68.9	59.3
JWR CFS	71.7	70.1

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

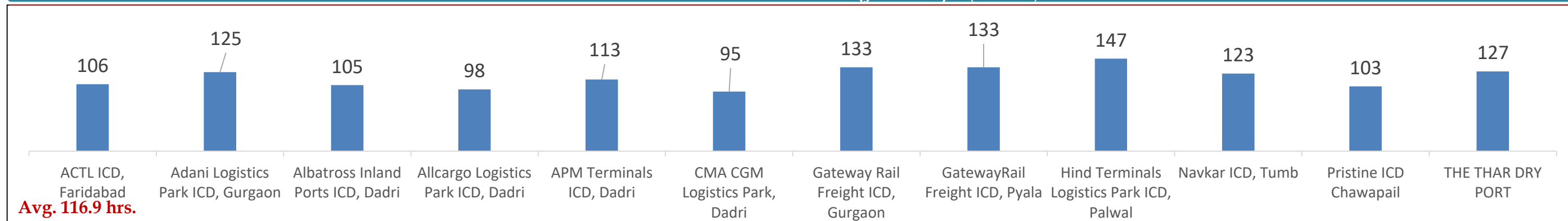


ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	May'22 (in hrs)	Jun'22 (in hrs)
ACTL ICD, Faridabad	119	106
Adani Logistics Park ICD, Gurgaon	148	125
Albatross Inland Ports ICD, Dadri	100	105
Allcargo Logistics Park ICD, Dadri	112	98
APM Terminals ICD, Dadri	111	113
CMA CGM Logistics Park, Dadri	105	95
Gateway Rail Freight ICD, Gurgaon	83	133
GatewayRail Freight ICD, Pyala	135	133
Hind Terminals Logistics Park ICD, Palwal	146	147
Navkar ICD, Tumb	143	123
Pristine ICD Chawapail	116	103
THE THAR DRY PORT	134	127

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

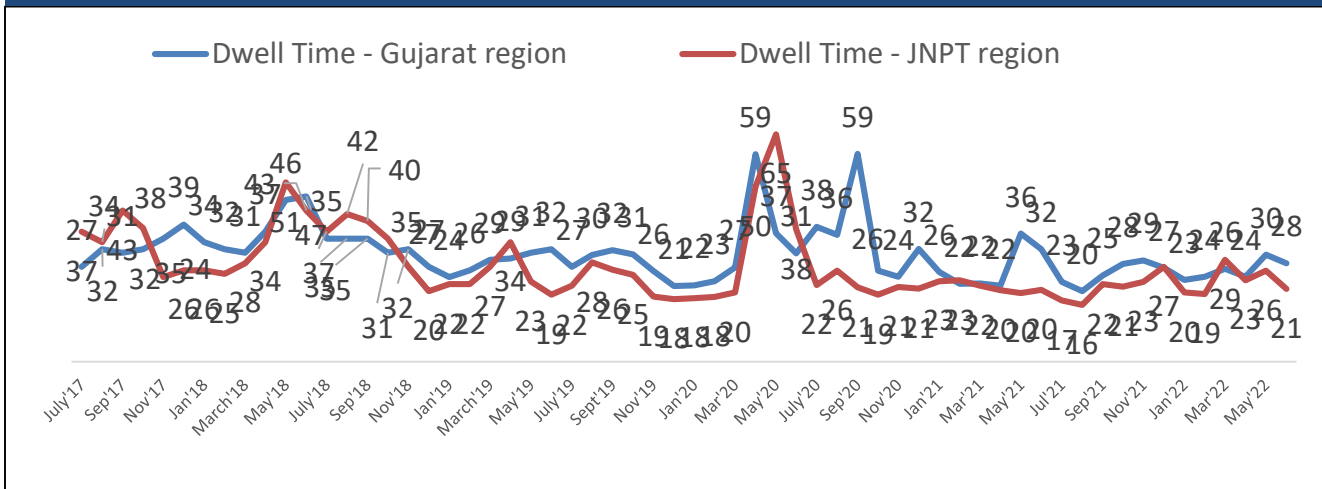


Trend Analysis

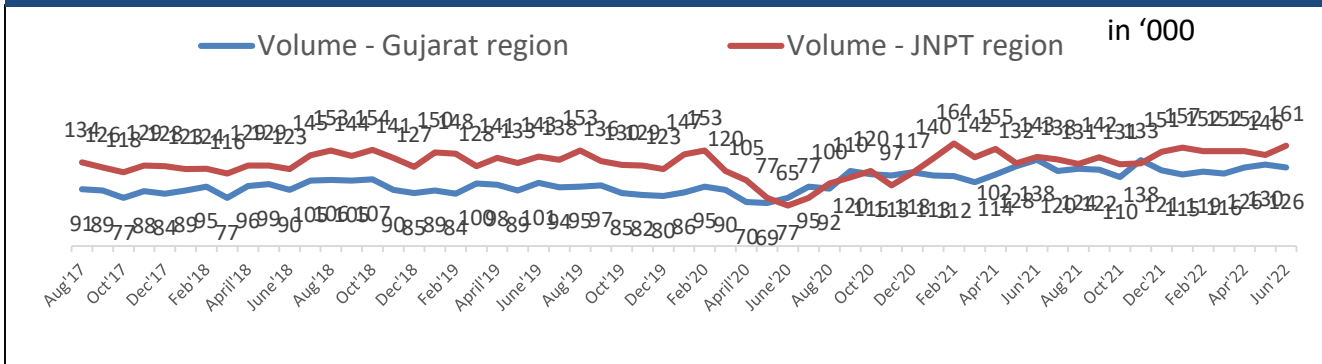
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Jun'22

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



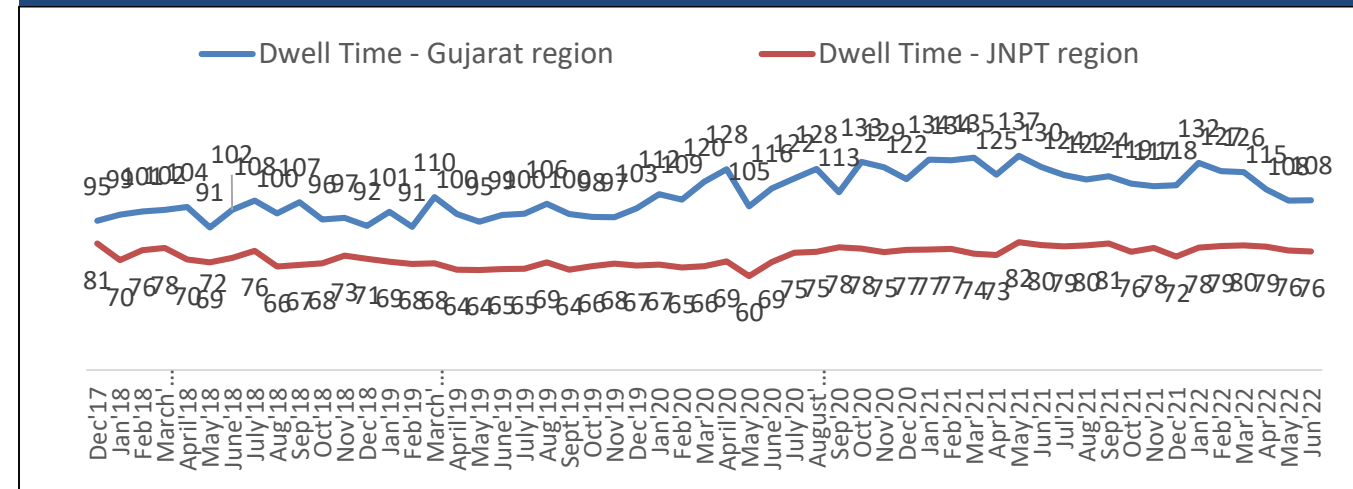
Volume – Mundra Region Vs JNPA Region



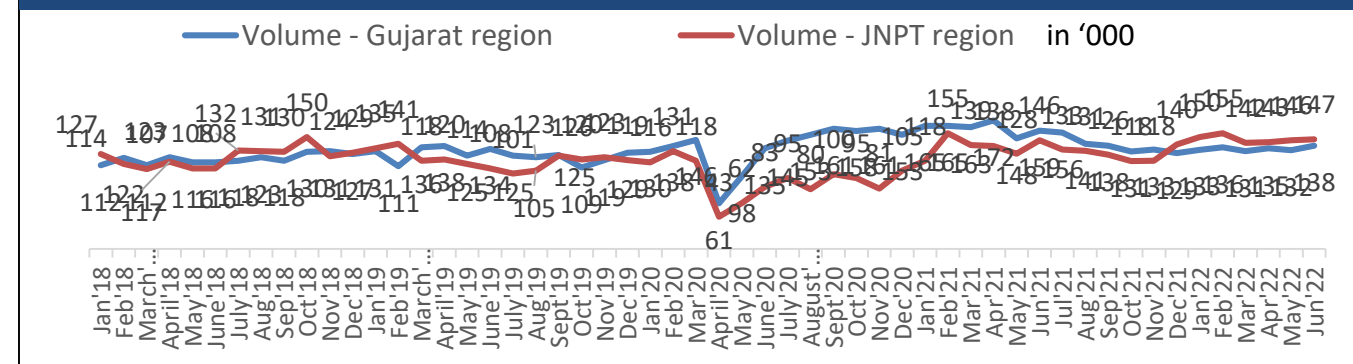
In Import cycle, for the month of Jun'22 Mundra port has catered 28% more volume than JNPA Port, and has performed with 26% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

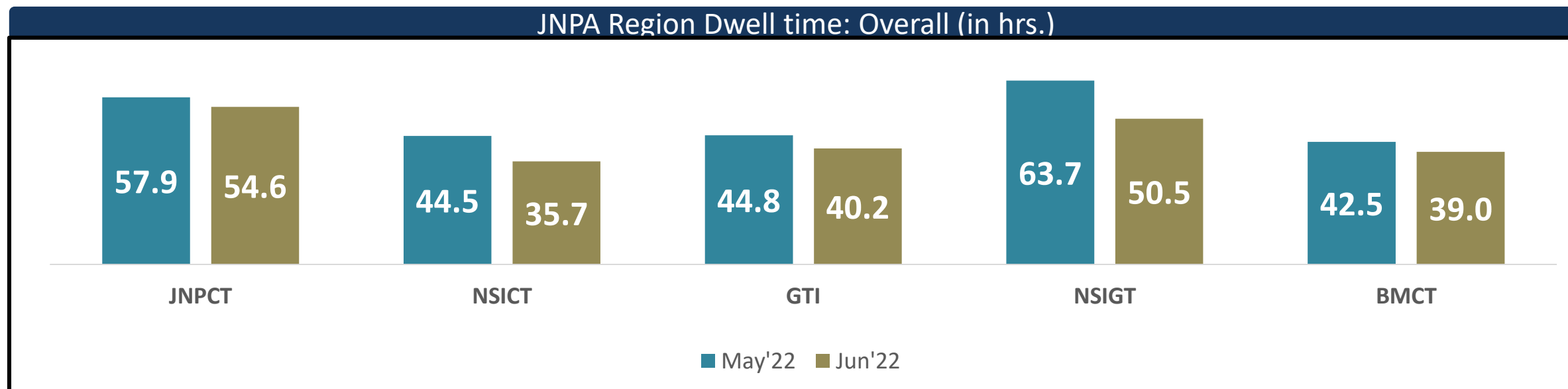


In Export cycle, for the month Jun'22 JNPA port catered 6% more volume than Mundra Port, and has maintained 30% lower dwell time than Mundra Port

JNPA PORT DWELL TIME TREND: Month on Month

JNPA port dwell time trend :

The below table shows the overall port dwell time (i.e. import and export cycle combined) trend (Month of Month) of all the JNPA Port terminals. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

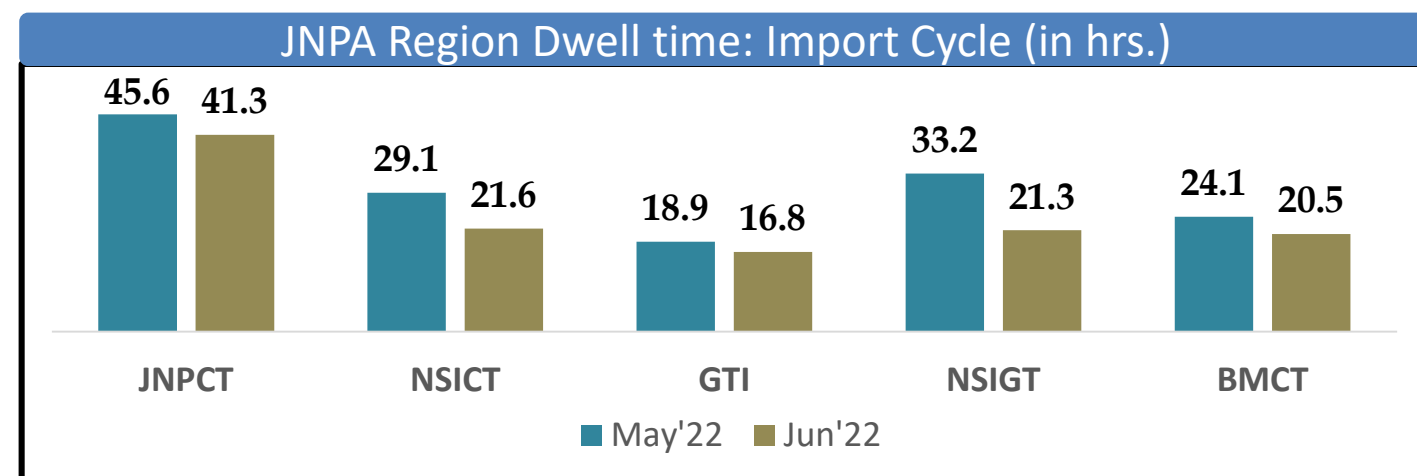


The overall JNPA region average dwell time for Jun'22 is 44.0 hrs as compared to 42.3 hrs in May'22

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

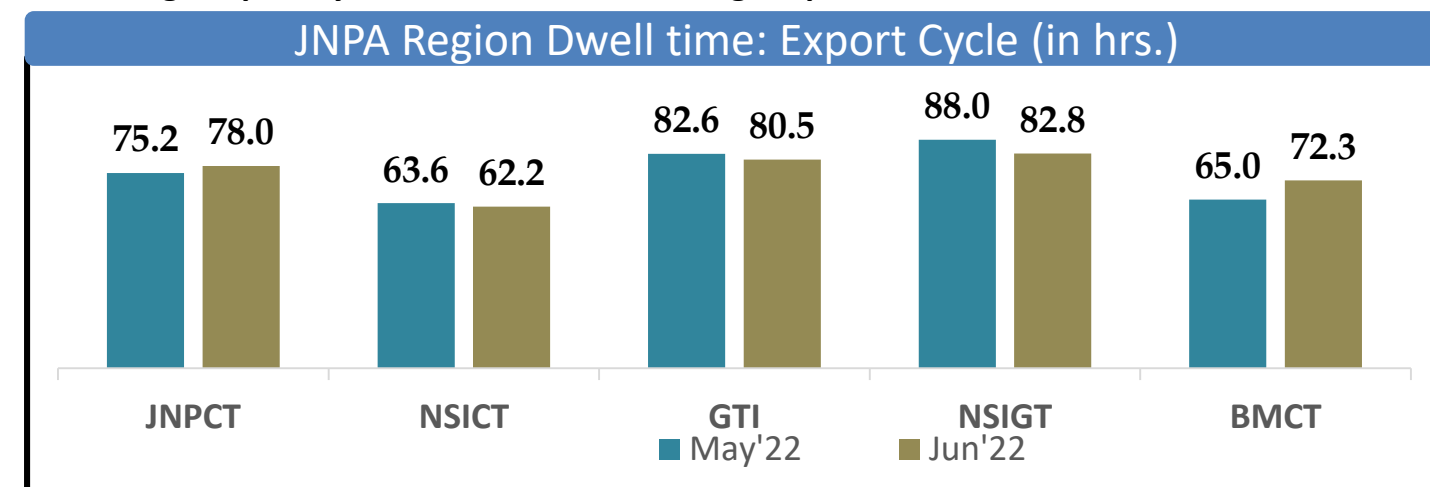
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Jun'22 is 20.7 hrs.



JNPA Export cycle Trend

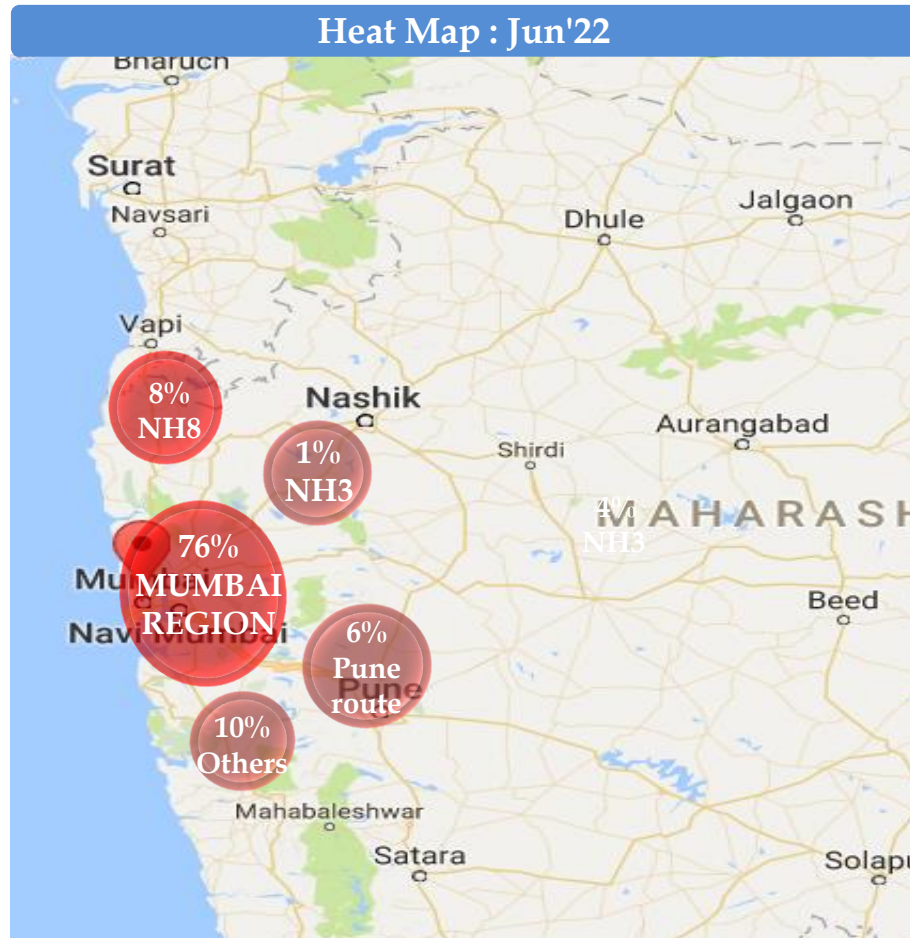
The average export cycle dwell time of JNPA region port terminals for Jun'22 is 75.7 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

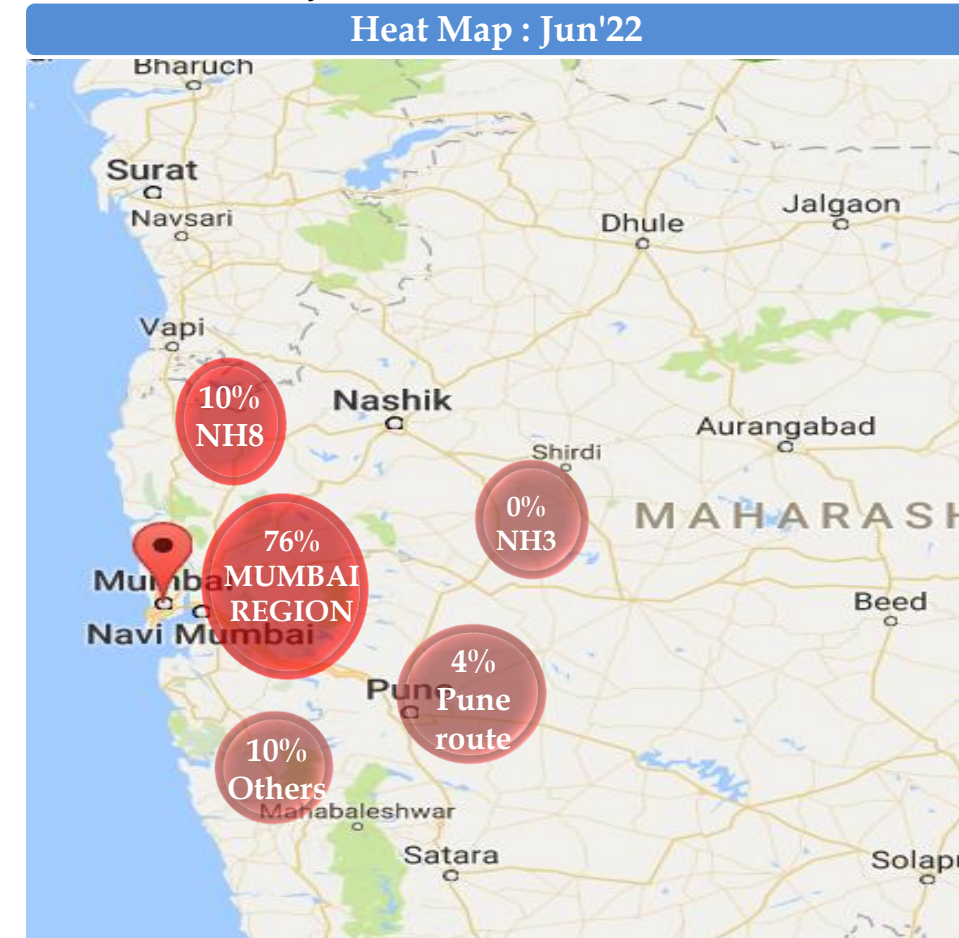
HEAT MAP : GTI Port Terminal



Region	May'22	Jun'22
Mumbai region	74%	76%
NH3	0%	1%
Pune	6%	6%
NH8	9%	8%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal

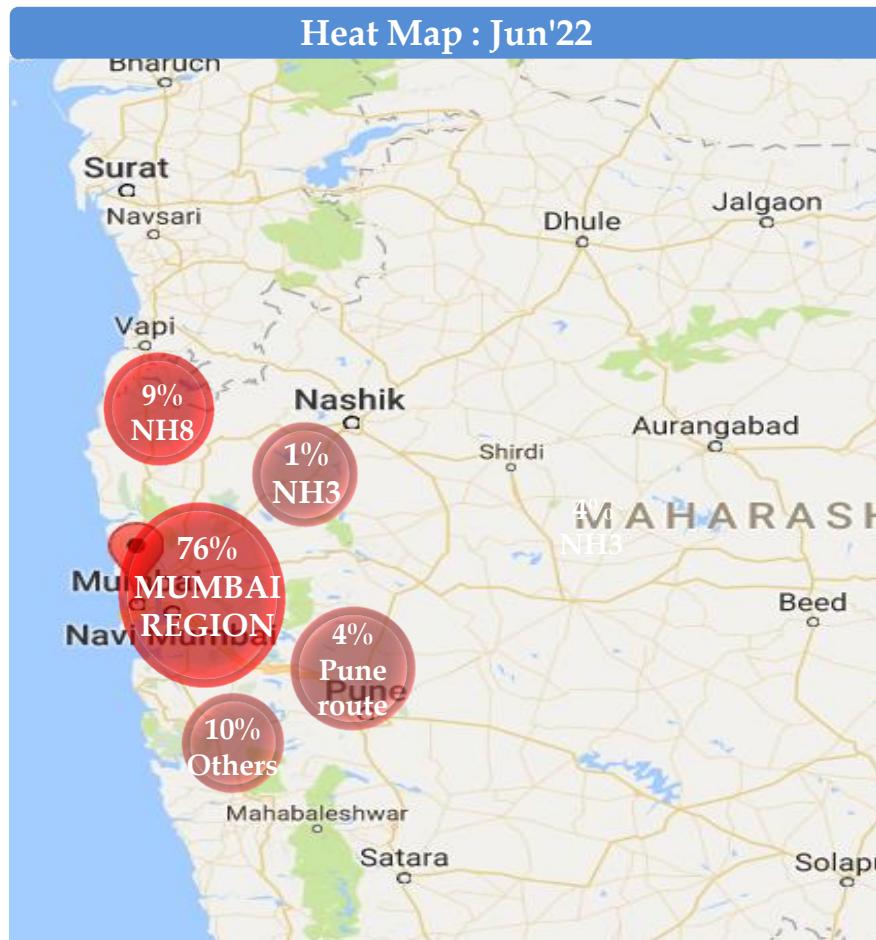


Region	May'22	Jun'22
Mumbai region	73%	76%
NH3	0%	0%
Pune	5%	4%
NH8	12%	10%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

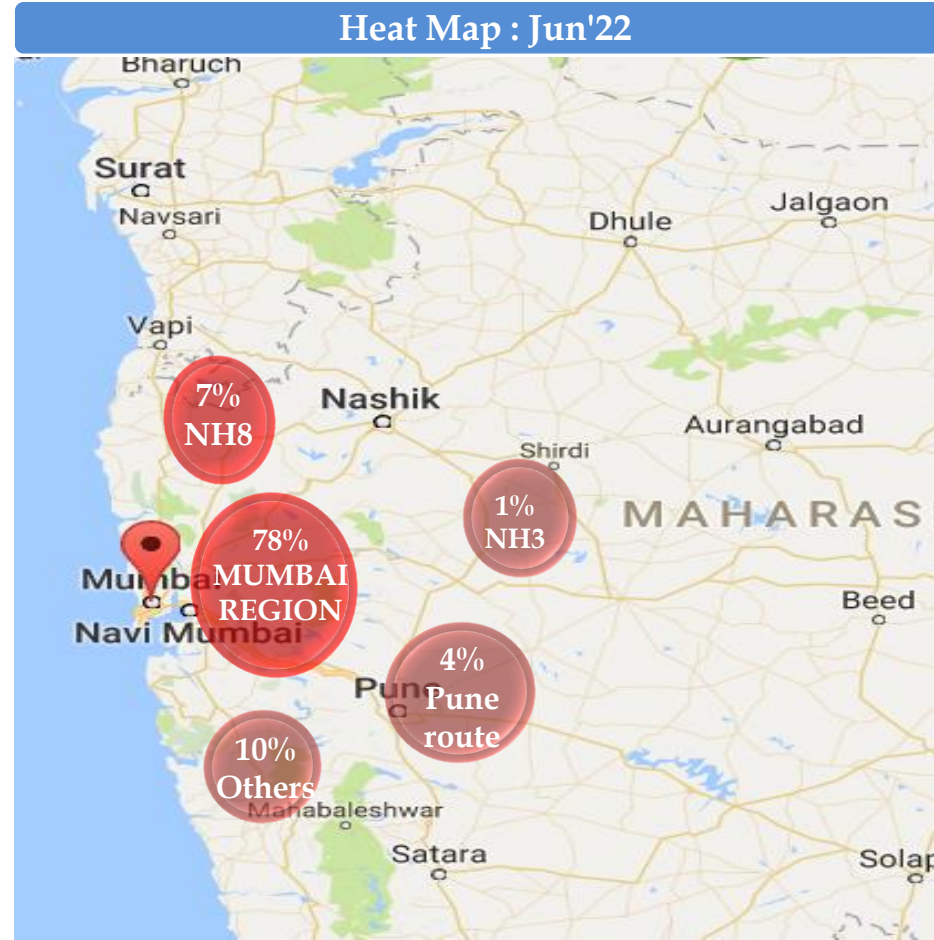
HEAT MAP : NSIGT Port Terminal



Region	May'22	Jun'22
Mumbai region	75%	76%
NH3	1%	1%
Pune	5%	4%
NH8	9%	9%
others	10%	10%

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

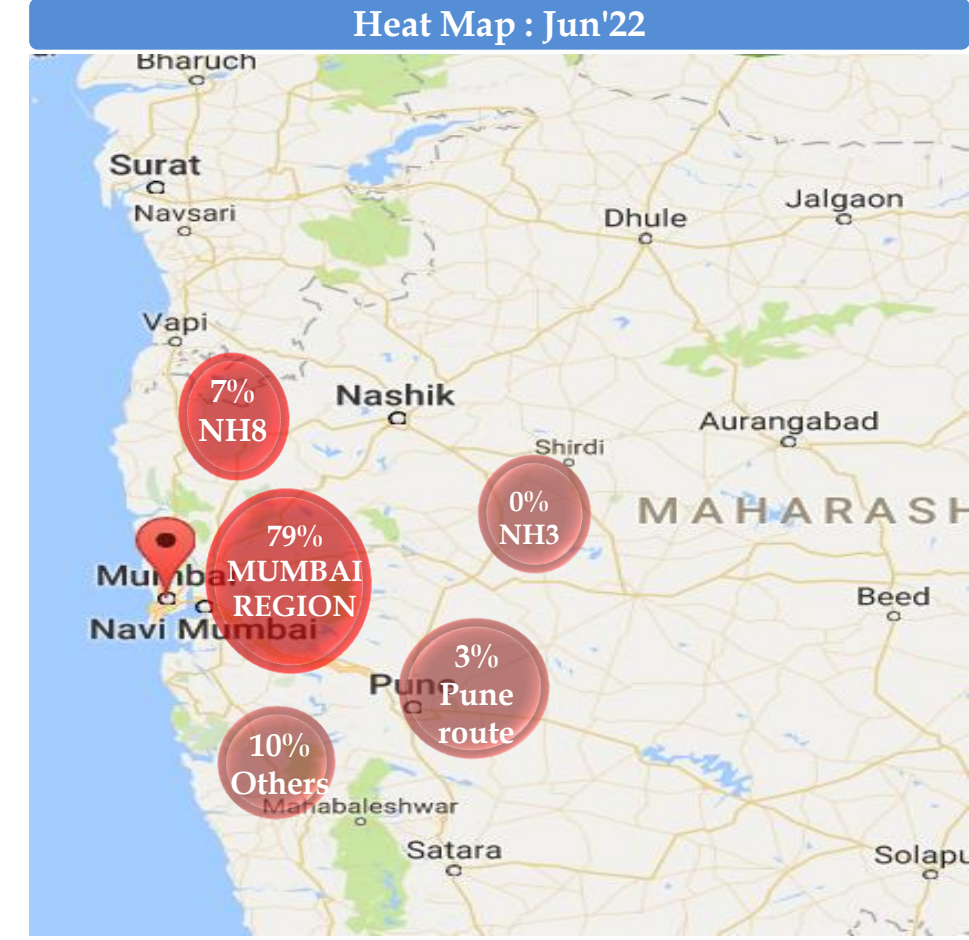
HEAT MAP : NSICT Port Terminal



Region	May'22	Jun'22
Mumbai region	74%	78%
NH3	0%	1%
Pune	5%	4%
NH8	11%	7%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	May'22	Jun'22
Mumbai region	76%	79%
NH3	0%	0%
Pune	5%	3%
NH8	10%	7%
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 Jun'22					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.2	2.6	2.5	1.9	3.7
Punjab Conware CFS, Navi Mumbai	2.4	4.0	7.1	2.9	3.0
JWC Logistics Park CFS	4.3	2.6	2.6	3.0	5.2
CWC Hind Terminal CFS, Navi Mumbai	-	-	-	-	-
Dronogiri Rail Terminal CFS, Navi Mumbai	2.0	1.9	2.4	3.0	4.3
Navkar Corporation Yard 2 CFS, Panvel	7.1	4.2	3.5	5.4	6.5
Vaishno Logistics CFS, Navi Mumbai	2.1	3.2	2.0	2.5	2.6
Speedy Multimode CFS, JNPA	2.7	2.1	1.9	2.2	4.3
Balmer & Lawrie CFS, Navi Mumbai	2.6	2.3	3.1	3.2	3.4
Navkar Corporation Yard 3 CFS, Panvel	3.4	4.6	3.9	3.7	6.2
Ashte Logistics CFS, Panvel	4.3	3.6	2.9	3.1	5.3
Continental Warehousing CFS, Navi Mumbai	1.9	2.3	2.5	1.9	2.9
SBW Logistics CFS, Navi Mumbai	9.9	5.5	9.9	6.2	8.6
Maharashtra State Corp CFS	2.0	2.9	3.3	3.6	3.6
Internation Cargo Terminal CFS	3.1	2.6	2.7	2.8	4.2
Seabird CFS, Navi Mumbai	2.2	2.3	3.0	2.8	4.9
Apollo Logisolutions CFS, Panvel	3.5	3.1	2.4	2.5	4.5
Ameya Logistics CFS, Navi Mumbai	3.2	2.8	3.6	2.1	4.0
AllCargo Logistics	2.6	2.4	2.5	1.9	3.8
Ocean Gate CFS, Panvel	4.4	3.1	2.8	3.2	5.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.8	2.5	7.3	1.9	5.7
Indev Logistics CFS, Panvel	2.9	2.8	4.0	2.8	5.9
CWC Dronagiri CFS, Navi Mumbai	-	-	-	-	-
APM (Maersk India) CFS, Navi Mumbai	5.5	2.1	3.0	2.8	3.4

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	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	2.9
Ameya Logistics CFS, Navi Mumbai	2.3
AllCargo Logistics	3.0
Indev Logistics CFS, Panvel	3.9
Navkar Corporation Yard 3 CFS, Panvel	4.5
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	2.6
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	2.1
Navkar Corporation Yard 1 CFS, Panvel	3.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.1
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPA	2.1
Apollo Logisolutions CFS, Panvel	4.4
Navkar Corporation Yard 2 CFS, Panvel	3.5
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	1.7
JWC Logistics Park CFS	3.1
SBW Logistics CFS, Navi Mumbai	3.6
Ocean Gate CFS, Panvel	4.0
Maharashtra State Corp CFS	1.9

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	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.4
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	2.2
Ameya Logistics CFS, Navi Mumbai	2.4
AllCargo Logistics	2.3
Indev Logistics CFS, Panvel	2.6
Navkar Corporation Yard 3 CFS, Panvel	3.4
Seabird CFS, Navi Mumbai	1.9
Balmer & Lawrie CFS, Navi Mumbai	3.0
Ashte Logistics CFS, Panvel	2.5
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	18.4
Navkar Corporation Yard 1 CFS, Panvel	3.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPA	2.0
Apollo Logisolutions CFS, Panvel	3.3
Navkar Corporation Yard 2 CFS, Panvel	4.4
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	3.0
SBW Logistics CFS, Navi Mumbai	2.4
Ocean Gate CFS, Panvel	3.4
Maharashtra State Corp CFS	1.8

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	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.8
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.4
AllCargo Logistics	2.9
Indev Logistics CFS, Panvel	3.3
Navkar Corporation Yard 3 CFS, Panvel	5.1
Seabird CFS, Navi Mumbai	2.7
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.8
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	15.7
Navkar Corporation Yard 1 CFS, Panvel	5.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.0
Maersk Annex (APM)CFS, Navi Mumbai	1.7
Speedy Multimode CFS, JNPA	2.2
Apollo Logisolutions CFS, Panvel	4.3
Navkar Corporation Yard 2 CFS, Panvel	6.5
Punjab Conware CFS, Navi Mumbai	1.9
Vaishno Logistics CFS, Navi Mumbai	2.1
JWC Logistics Park CFS	3.8
SBW Logistics CFS, Navi Mumbai	3.9
Ocean Gate CFS, Panvel	4.7
Maharashtra State Corp CFS	2.3

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	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.2
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.1
AllCargo Logistics	2.9
Indev Logistics CFS, Panvel	3.2
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	2.3
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	19.4
Navkar Corporation Yard 1 CFS, Panvel	4.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.6
Maersk Annex (APM)CFS, Navi Mumbai	2.5
Speedy Multimode CFS, JNPA	1.8
Apollo Logisolutions CFS, Panvel	3.8
Navkar Corporation Yard 2 CFS, Panvel	4.3
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	1.6
JWC Logistics Park CFS	3.9
SBW Logistics CFS, Navi Mumbai	3.1
Ocean Gate CFS, Panvel	3.7
Maharashtra State Corp CFS	2.2

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	Jun'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.2
AllCargo Logistics	2.5
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	3.9
Seabird CFS, Navi Mumbai	2.2
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	3.5
Navkar Corporation Yard 1 CFS, Panvel	3.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.8
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPA	2.0
Apollo Logisolutions CFS, Panvel	3.7
Navkar Corporation Yard 2 CFS, Panvel	4.4
Punjab Conware CFS, Navi Mumbai	1.9
Vaishno Logistics CFS, Navi Mumbai	1.7
JWC Logistics Park CFS	3.6
SBW Logistics CFS, Navi Mumbai	2.9
Ocean Gate CFS, Panvel	3.9
Maharashtra State Corp CFS	3.0

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 Jun'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	2.1
Cluster 2	6	13	2.7	2.5
Cluster 3	6	11	2.0	2.6
Cluster 4	1	13	1.7	3.2
Cluster 5	2	25	3.5	2.8
Cluster 6	6	25	3.7	3.6
Cluster 7	4	12	2.3	2.4
Cluster 8	1	34	3.6	5.5

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Jun'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	2.7
Cluster 2	6	13	2.3	3.1
Cluster 3	6	11	1.8	2.1
Cluster 4	1	13	2.5	2.1
Cluster 5	2	25	3.2	4.3
Cluster 6	6	25	3.2	3.5
Cluster 7	4	12	2.3	2.6
Cluster 8	1	34	2.4	9.9

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**

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 Jun'22

NSIGT terminal for month of Jun'22

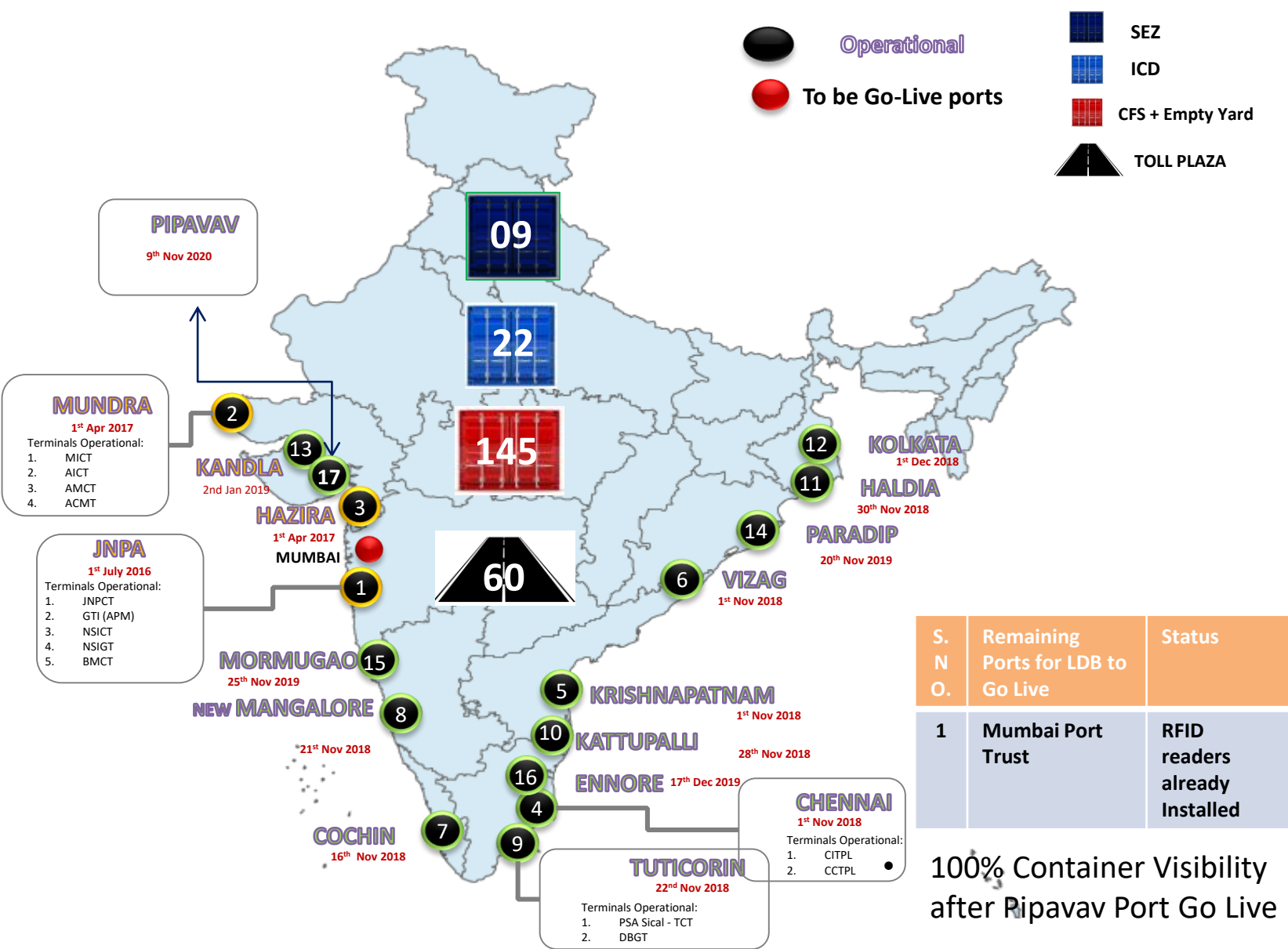
BMCT terminal for month of Jun'22

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	1.9
Cluster 2	6	13	2.0	3.0
Cluster 3	6	11	2.5	3.2
Cluster 4	1	13	2.1	2.0
Cluster 5	2	25	4.3	2.7
Cluster 6	6	25	4.7	3.5
Cluster 7	4	12	2.4	2.5
Cluster 8	1	34	3.9	9.9

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.8	2.2
Cluster 2	6	13	2.2	2.8
Cluster 3	6	11	2.0	2.9
Cluster 4	1	13	1.6	2.5
Cluster 5	2	25	3.8	3.1
Cluster 6	6	25	3.9	3.1
Cluster 7	4	12	2.1	1.9
Cluster 8	1	34	3.1	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	4.3
Cluster 2	6	13	2.1	3.7
Cluster 3	6	11	2.0	3.9
Cluster 4	1	13	1.7	2.6
Cluster 5	2	25	3.7	5.2
Cluster 6	6	25	3.9	5.9
Cluster 7	4	12	2.2	3.8
Cluster 8	1	34	2.9	8.6

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



THANK YOU