



Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Feb'22 (in hrs)	Mar'22 (in hrs)	Port	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	32.8	43.2	JNPCT	70.6	71.9
NSICT	21.0	35.1	NSICT	64.7	79.1
GTI	14.9	21.9	GTI	81.8	76.8
NSIGT	19.8	34.5	NSIGT	99.6	95.9
BMCT/PSA	18.1	30.1	BMCT/PSA	76.4	71.4

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Container handling performance for Import Cycle has improved and Export Cycle has deteriorated 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
Mar'22	29.0 hrs	79.5 hrs	87.3 hrs	120.1 hrs
Feb'22	19.2 hrs	79.0 hrs	85.8 hrs	117.5 hrs

IMPORT

Port Dwell Time

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall	22.8	28.3
Truck	18.0	21.9
Train	61.6	70.6

EXPORT

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall	97.8	98.1
Truck	91.2	89.1
Train	142.4	153.0

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Feb'22 (in hrs)	Mar'22 (in hrs)
CFS	84.4	85.9
ICD	117.5	120.1

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

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



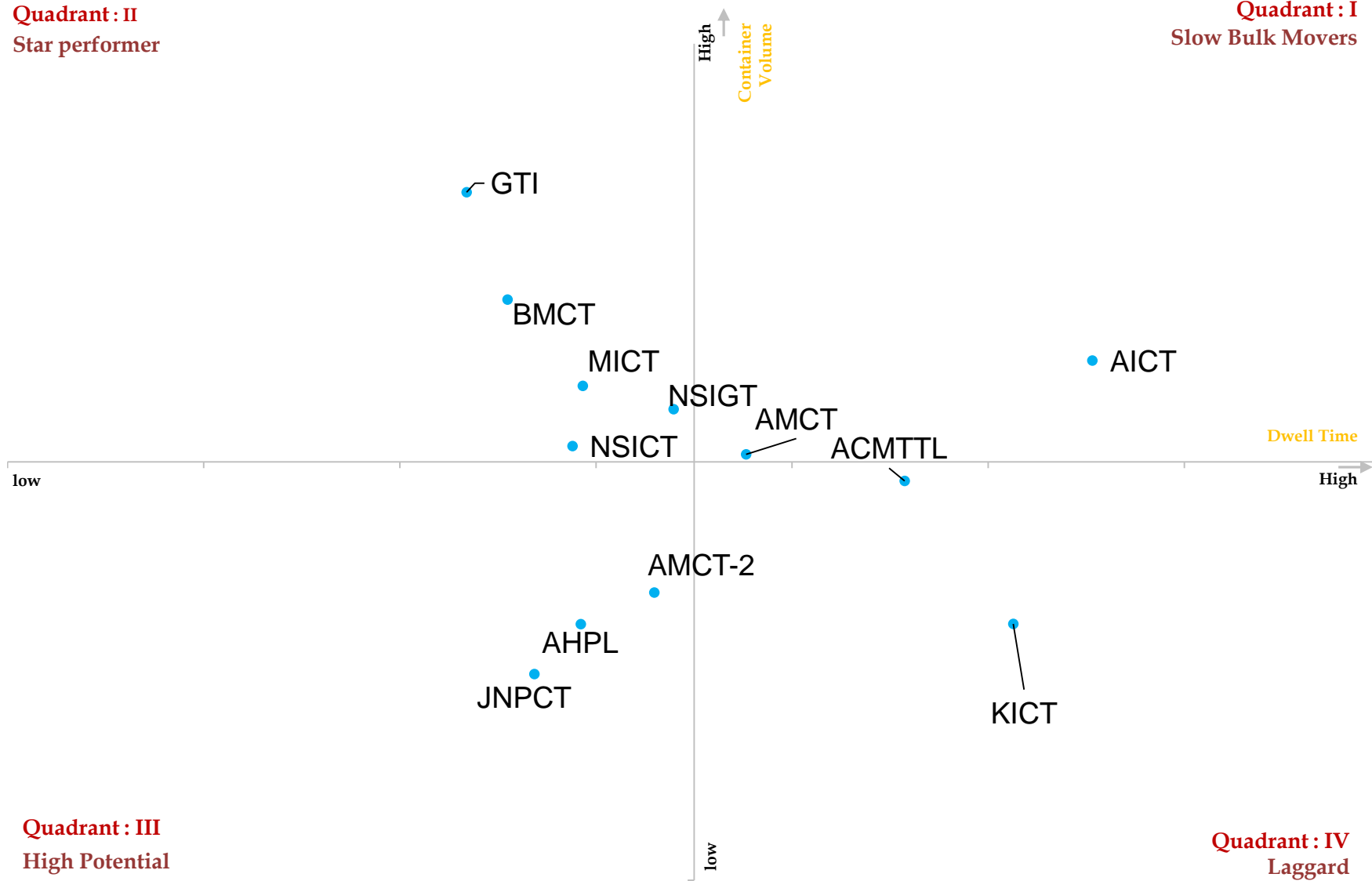
Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Mar'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 Mar'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Feb'22	Mar'22
45.9 Hrs	49.2 Hrs
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Feb'22	Mar'22
88.3 Hrs	97.9 Hrs

Note: The performance benchmarking is based on performance index



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

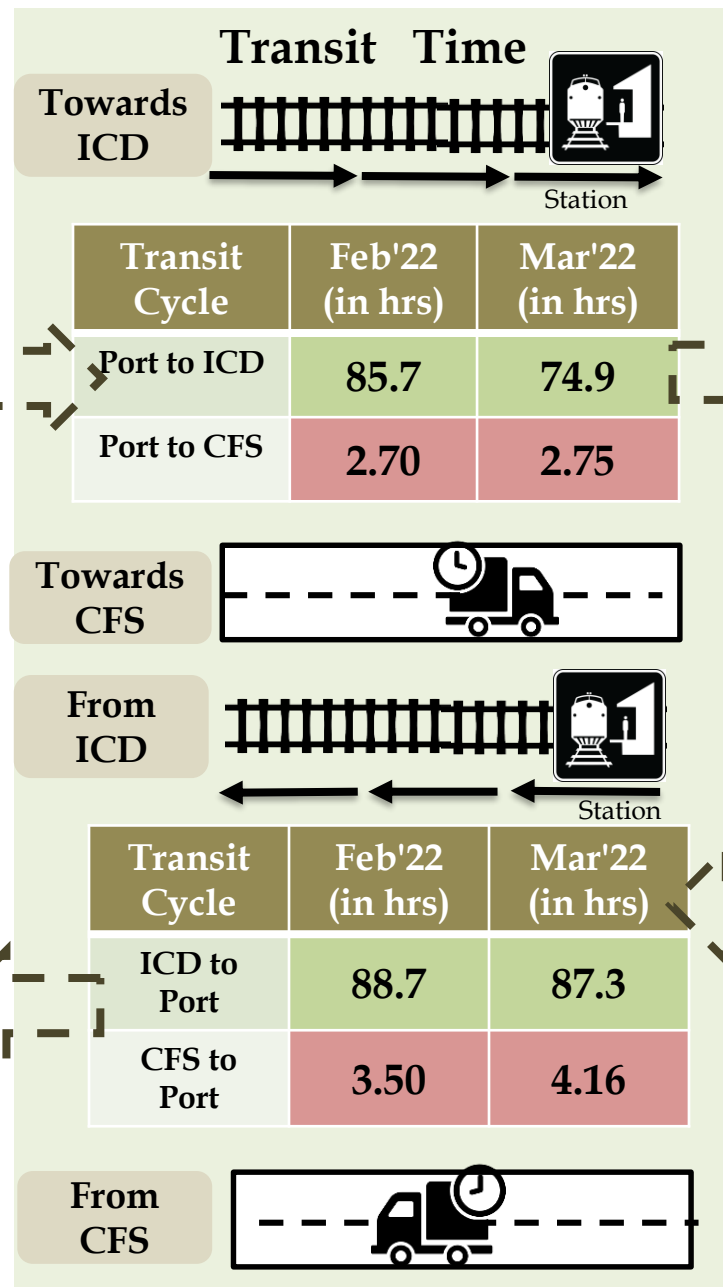
High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
	Overall	19.2	29.0
	Truck	16.6	24.1
	Train	47.4	73.9

EXPORT	Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
	Overall	79.0	79.5
	Truck	77.2	75.9
	Train	97.6	113.3



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

Entity	Feb'22 (in hrs)	Mar'22 (in hrs)
CFS	85.8	87.3
ICD	117.5	120.1

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	82%	18%
Export	83%	17%

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

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

Container Lifecycle (Export Cycle)

%IMPORT CYCLE DWELL TIME (Mar'22 - in hrs)			Compared to Feb'22
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	29.0	51% ↓
	Port Dwell Time for Truck Bound Containers	24.1	45% ↓
	Port Dwell time for Train Bound Containers	73.9	56% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	32.8	8% ↓
	Port Dwell time Containers bound for CFS	21.8	43% ↓
	Port Dwell for Empty Containers	48.9	85% ↓
	Port Dwell for Laden Containers	23.4	35% ↓
TRANSIT TIME	Port to ICD	74.9	13% ↑
	Port to CFS	2.75	2% ↓

EXPORT CYCLE DWELL TIME (Mar'22- in hrs)			Compared to Feb'22
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	79.5	1% ↓
	Port Dwell Time for Truck Bound Containers	75.9	2% ↑
	Port Dwell time for Train Bound Containers	113.3	16% ↓
	Port Dwell time Direct Port Entry (DPE) containers	83.4	0.4% ↑
	Port Dwell time Containers bound from CFS	70.9	7% ↑
	Port Dwell for Empty Containers	66.2	5% ↓
	Port Dwell for Laden Containers	81.4	1% ↑
TRANSIT TIME	ICD to Port	87.3	2% ↑
	CFS to Port	4.16	19% ↓

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

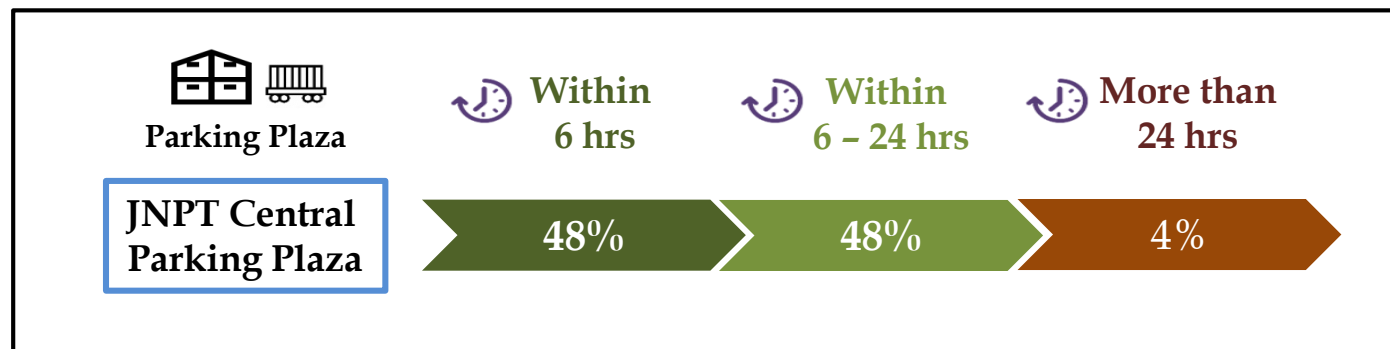
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall Parking Plaza	5.46	6.20

Container Handled: Day wise (Mar'22)

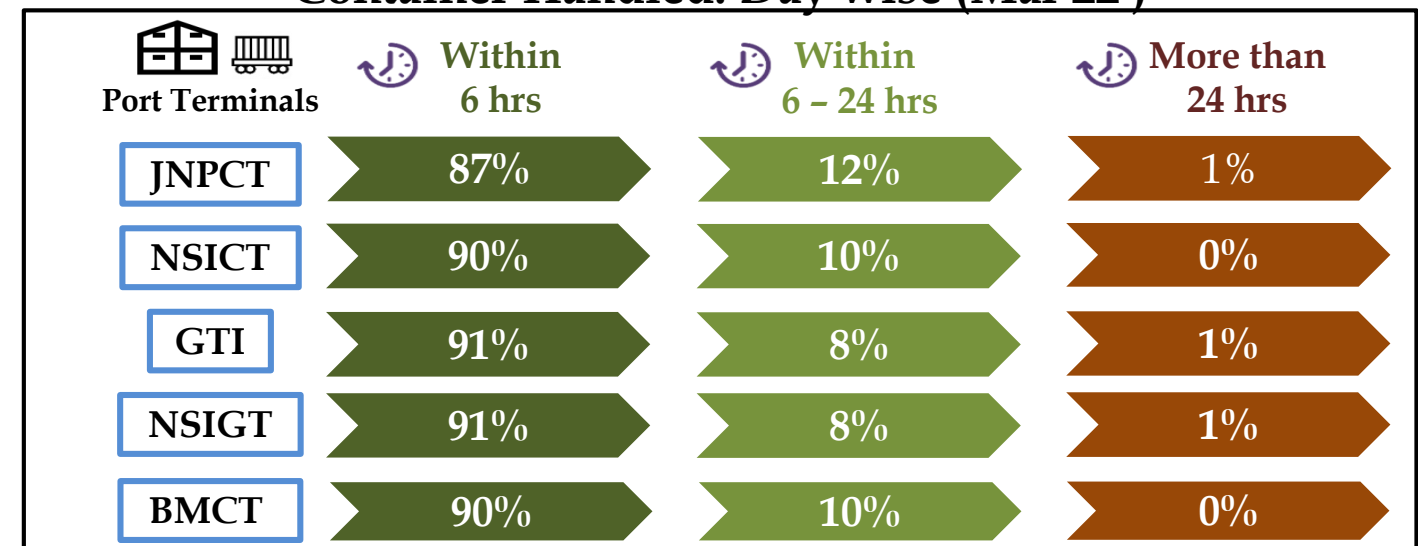


Parking Plaza Gate Out - Terminal In

Mode	Feb'22 (in hrs)	Mar'22 (in hrs)
Overall Parking Plaza to JNPT Port	1.59	1.87

Port	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	1.3	1.9
NSICT	2.0	1.9
GTI	0.9	1.8
NSIGT	1.1	1.7
BMCT	3.7	2.1

Container Handled: Day wise (Mar'22)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra		
Feb'22	Mar'22	↑
67.2 hrs	64.6 hrs	

Low Performing CFS

Take Care Logistics CFS		
Feb'22	Mar'22	↓
91.8 hrs	115.8 hrs	

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

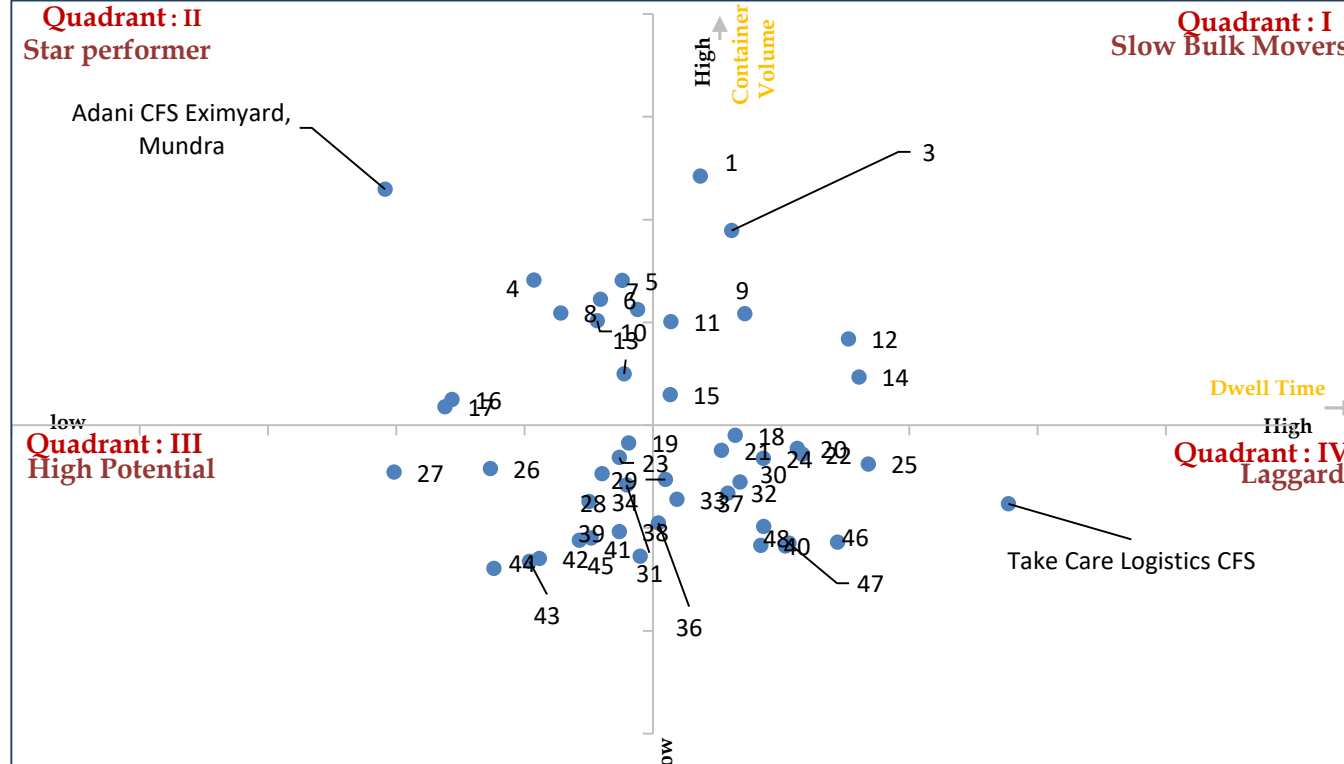
Top Performing ICD

Navkar ICD, Tumb		
Feb'22	Mar'22	↑
117.8 hrs	112.7 hrs	

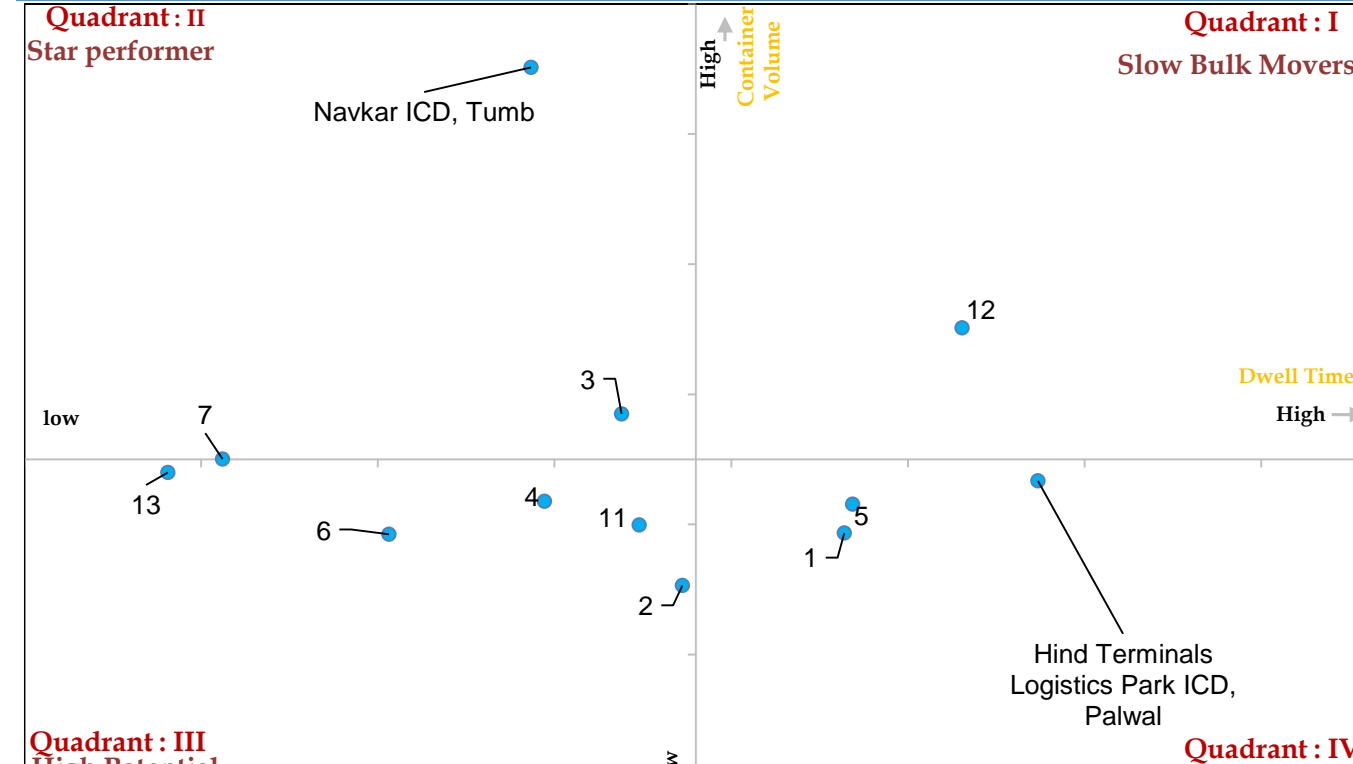
Low Performing ICD

Hind Terminals Logistics Park ICD, Palwal		
Feb'22	Mar'22	↑
149.7 hrs	140.2 hrs	

Performance Index: Western Corridor CFS



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

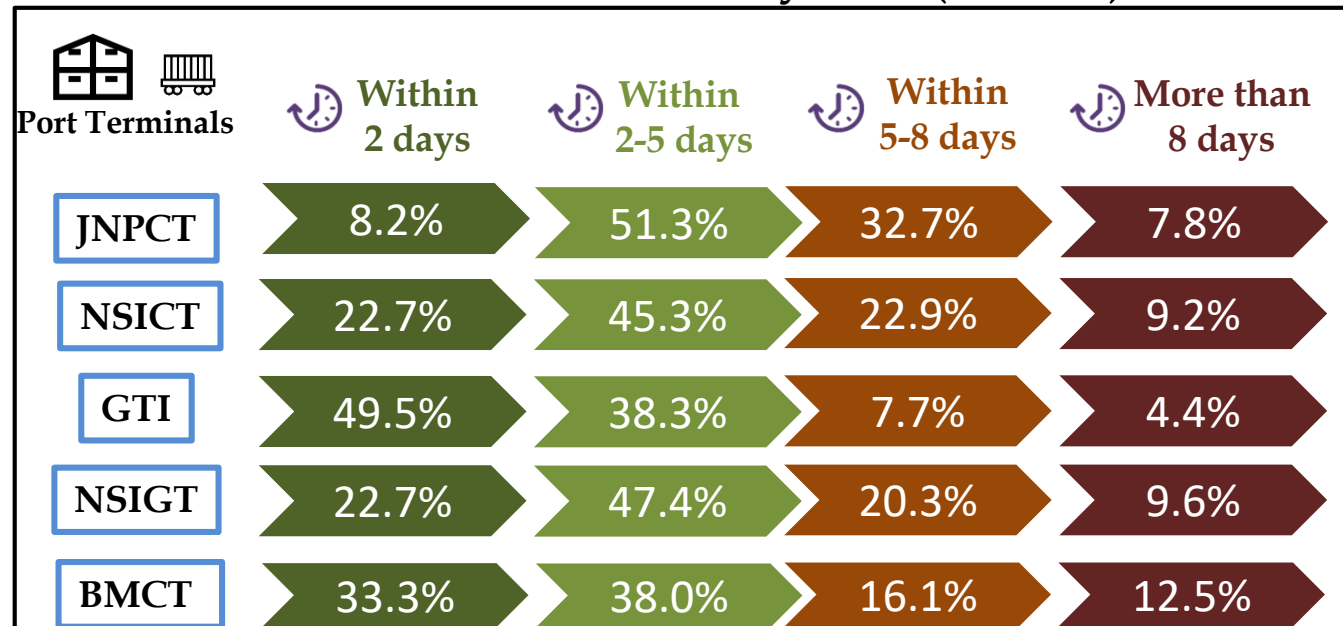
PORT IMPORT via TRAIN

(18% of total import volume at JNPT 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	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	45.5	93.5
NSICT	52.5	90.5
GTI	45.1	48.3
NSIGT	58.5	86.3
BMCT	39.5	80.4

Container Handled: Day wise (Mar'22)



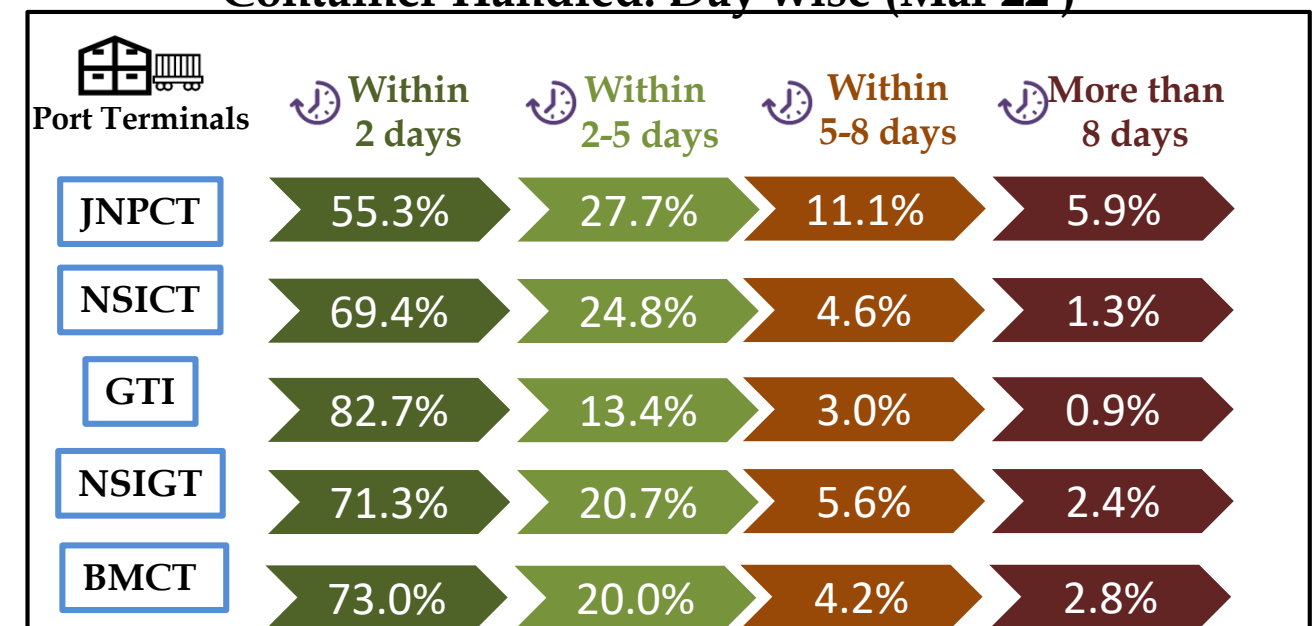
PORT IMPORT via TRUCK

(82% of total import volume at JNPT 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	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	31.7	44.2
NSICT	18.1	28.6
GTI	12.4	18.8
NSIGT	16.4	27.7
BMCT	16.5	25.2

Container Handled: Day wise (Mar'22)



The below tables depict the detailed JNPT region port performance in the month of Mar'22

JNPCT		
Port Dwell time based on transit type		
Mar'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	71.1 hrs	43.7 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	39.3 hrs	61.2 hrs

GTI		
Port Dwell time based on transit type		
Mar'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.4 hrs	17.9 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	19.2 hrs	56.4 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPT region port performance in the month of Mar'22

NSICT		
Port Dwell time based on transit type		
Mar'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	43.6 hrs	26.8 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	29.7 hrs	50.6 hrs

NSIGT		
Port Dwell time based on transit type		
Mar'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	60.4 hrs	23.9 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	26.8 hrs	40.6 hrs

BMCT		
Port Dwell time based on transit type		
Mar'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	28.7 hrs	22.4 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	23.3 hrs	57.0 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of Mar'22



Clusters with bottleneck

CLUSTER 1	JNPT Area
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Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPT road
CLUSTER 8	Taloja, Navi Mumbai

Legends

- High Congestion (Red arrow)
- Medium Congestion (Brown line)
- Low Congestion (Pink line)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

JNPCT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

BMCT Terminal

Congestion Level
Import Cycle :- [Red bar]

Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
2) Analysis consist of CFS covered under LDB project

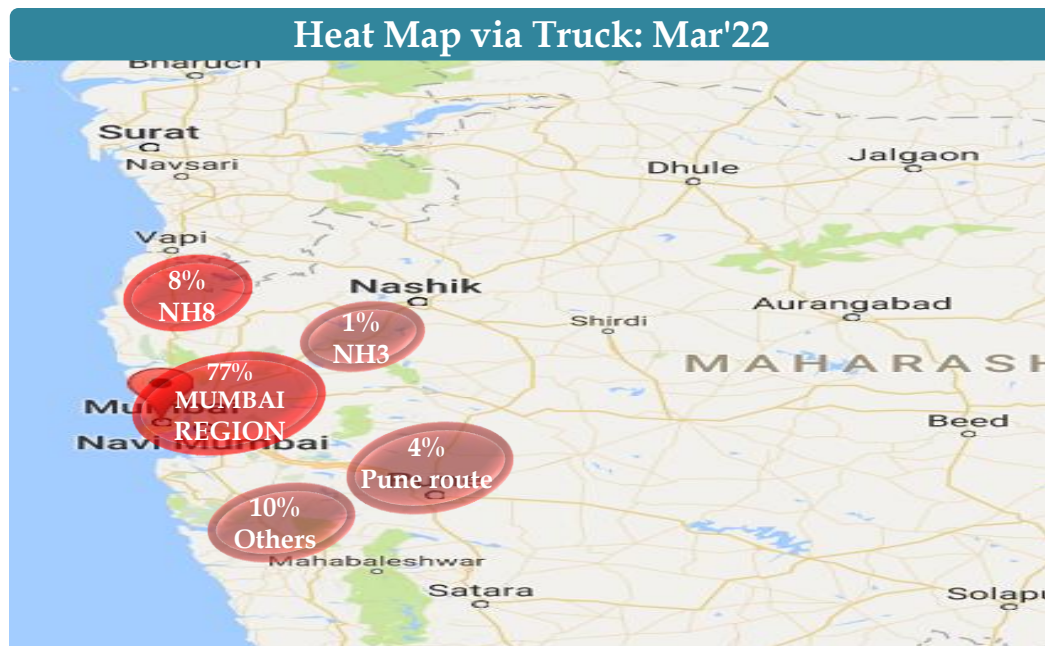
The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Mar'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.

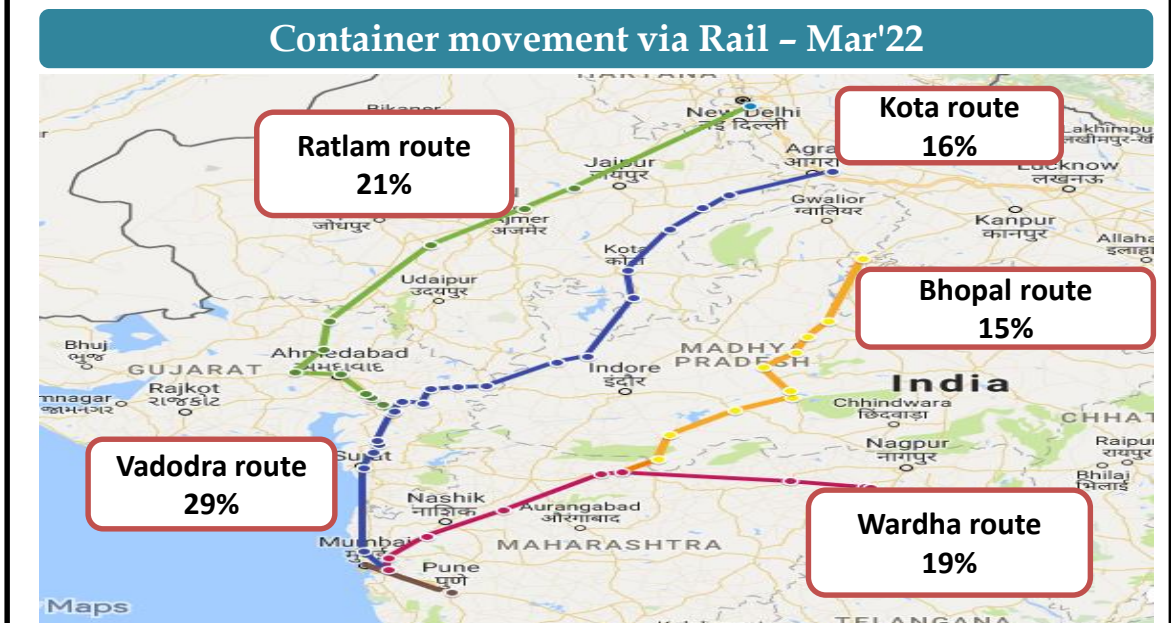


Train

VOLUME WISE CONTAINER MOVEMENT

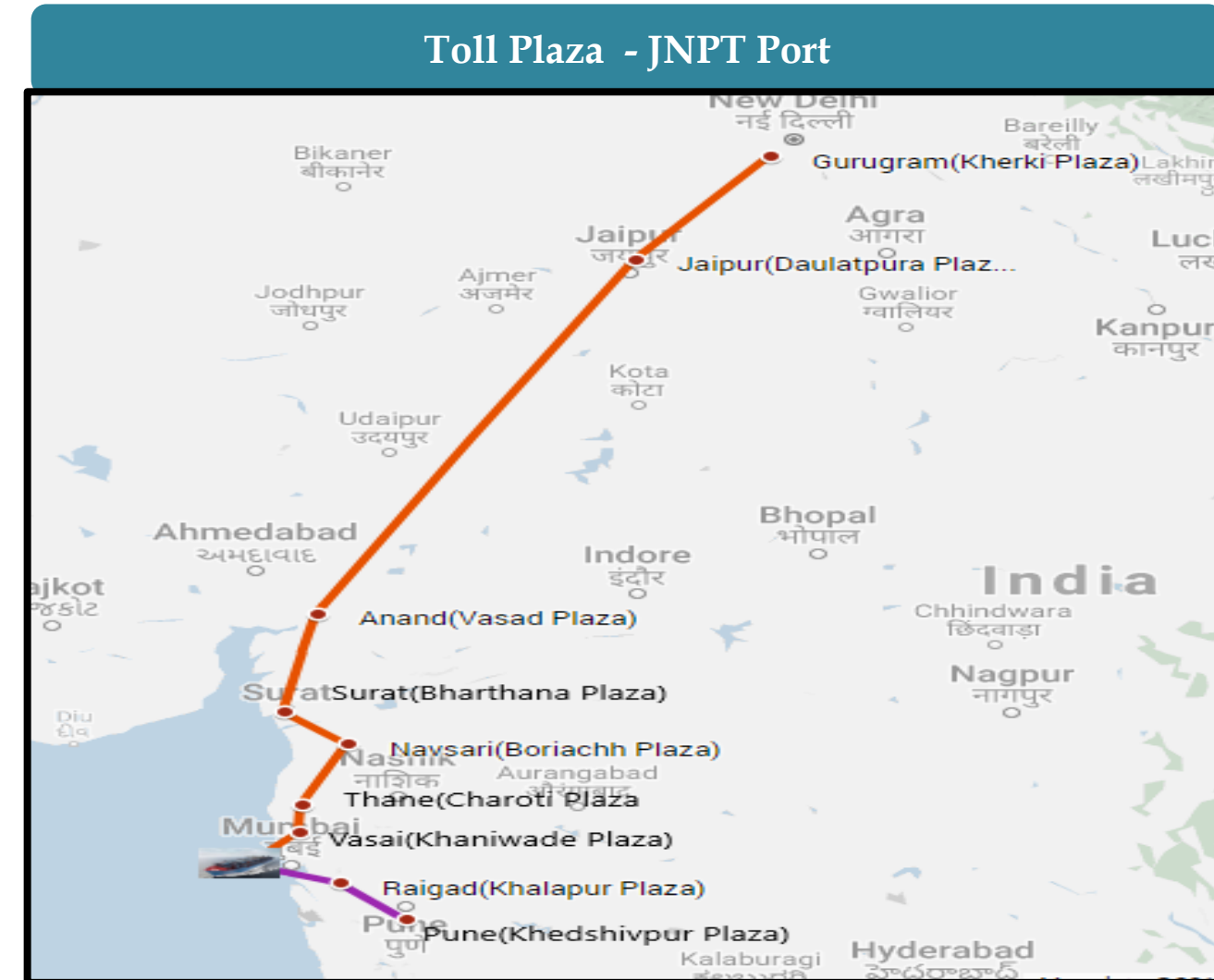
Region	Mar'22
Vadodra Route	29%
Ratlam Route	21%
Wardha Route	19%
Kota Route	16%
Bhopal Route	15%

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)	Feb'22 (in km/hrs)	Mar'22 (in km/hrs)
JNPT	JNPT	Khaniwade	94	16.3	15.2
	JNPT	Khalapur	60	13.5	9.2
	Khaniwade	Charoti	50	38.5	37.9
	Charoti	Boriach	126	28.0	28.9
	Boriach	Bharthan	142	33.1	33.6
	Bharthan	Vasad	60	37.8	38.2
	Khalalpur	Khedshivpur	105	35.6	33.9



Export Cycle Analysis

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

PORT EXPORT via TRAIN

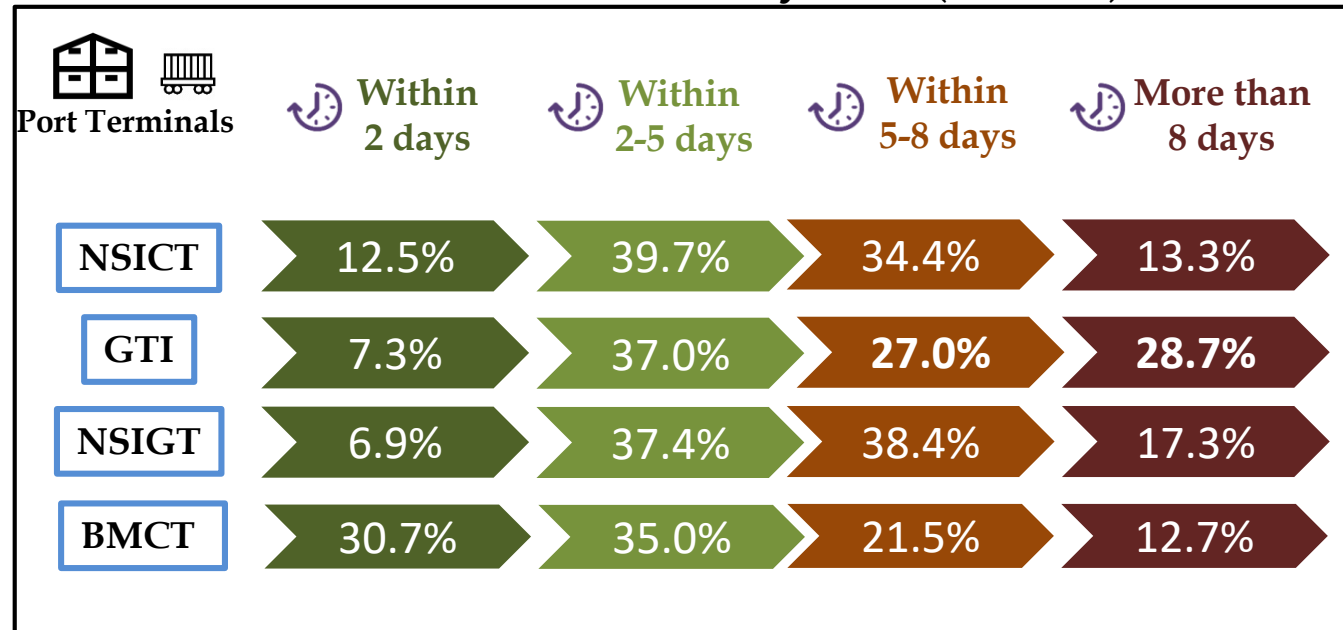
(22% of total export volume at JNPT Port)

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	Feb'22 (in hrs)	Mar'22 (in hrs)
NSICT	14.7	116.6
GTI	132.9	130.5
NSIGT	114.1	130.3
BMCT	99.5	81.5

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

Container Handled: Day wise (Mar'22)



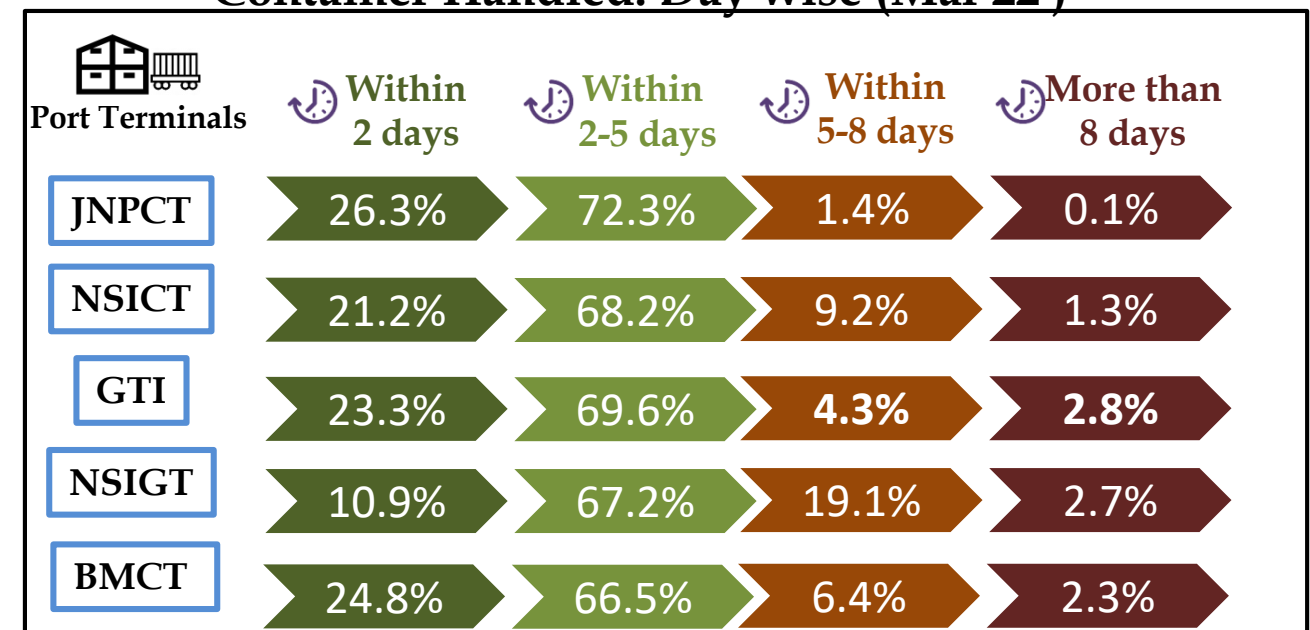
PORT EXPORT via TRUCK

(78% of total export volume at JNPT 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	Feb'22 (in hrs)	Mar'22 (in hrs)
JNPCT	69.5	70.9
NSICT	71.8	76.9
GTI	75.8	71.5
NSIGT	97.7	92.8
BMCT	73.8	69.6

Container Handled: Day wise (Mar'22)



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

JNPCT		
Port Dwell time based on transit type		
Mar'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	50.4 hrs	72.1 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	67.4 hrs	89.9 hrs

GTI		
Port Dwell time based on transit type		
Mar'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	76.3 hrs	67.7 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	79.8 hrs	63.4 hrs

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

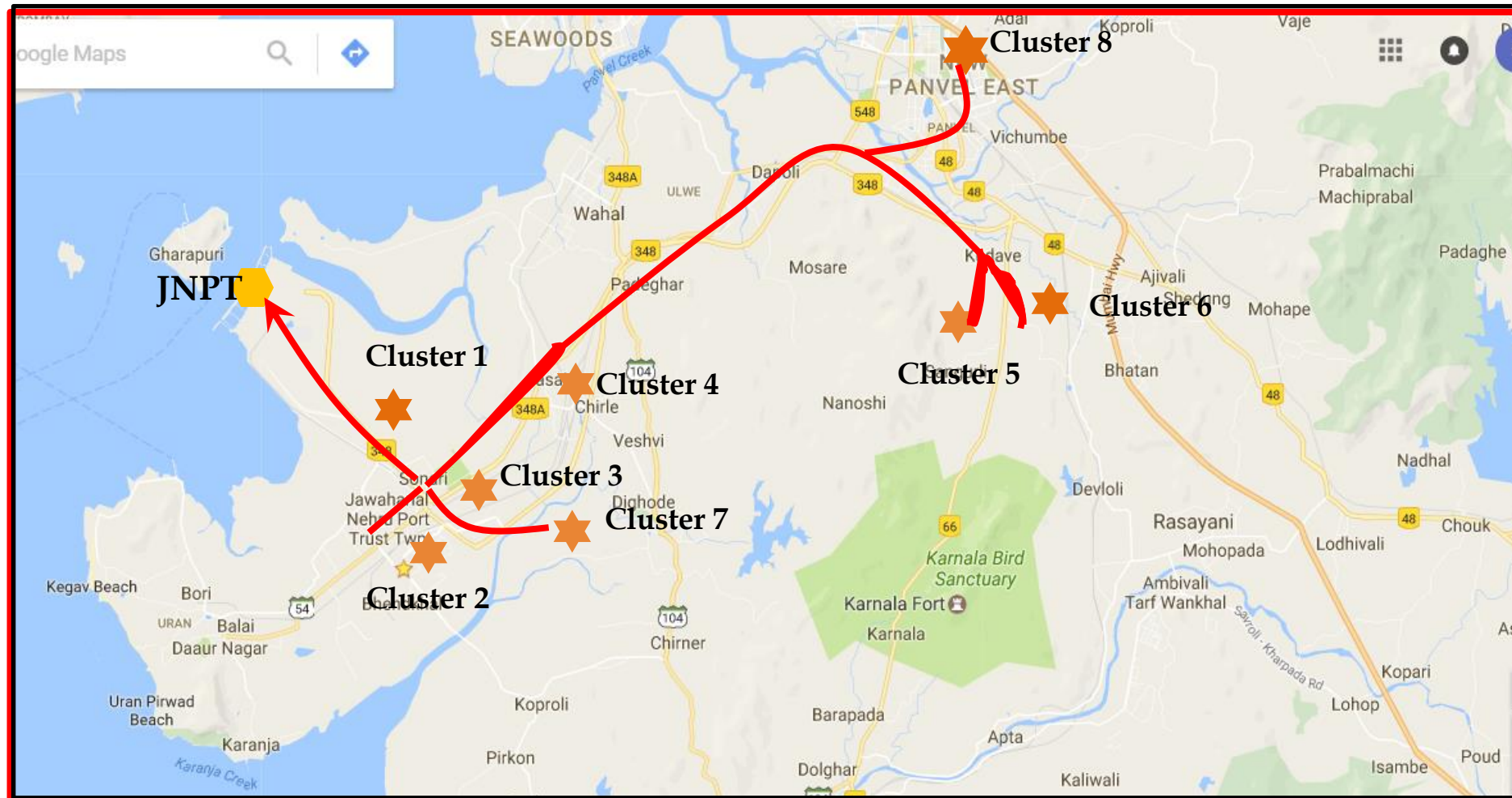
NSICT		
Port Dwell time based on transit type		
Mar'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	79.2 hrs	70.5 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	78.1 hrs	85.9 hrs

NSIGT		
Port Dwell time based on transit type		
Mar'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	99.5 hrs	87.6 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	95.9 hrs	92.5 hrs

BMCT		
Port Dwell time based on transit type		
Mar'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	63.8 hrs
Port Dwell time based on container type		
Mar'22	Laden Containers	Empty Containers
Dwell time (in hrs)	74.1 hrs	61.2 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of Mar'22



Clusters with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 2	Bhendkhal area, khopate road
CLUSTER 3	Sonari area, jnpt road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 5	Plaspa area, coach Kanyakumari highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, khopate JNPT road
CLUSTER 8	Taloja, Navi Mumbai

Clusters without bottleneck	
CLUSTER 9	(Not explicitly named in the provided text)

Legends

- High Congestion (Red line)
- Medium Congestion (Orange line)
- Low Congestion (Yellow line)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Export Cycle :- [Red bar]

JNPCT Terminal

Congestion Level
Export Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Export Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Export Cycle :- [Red bar]

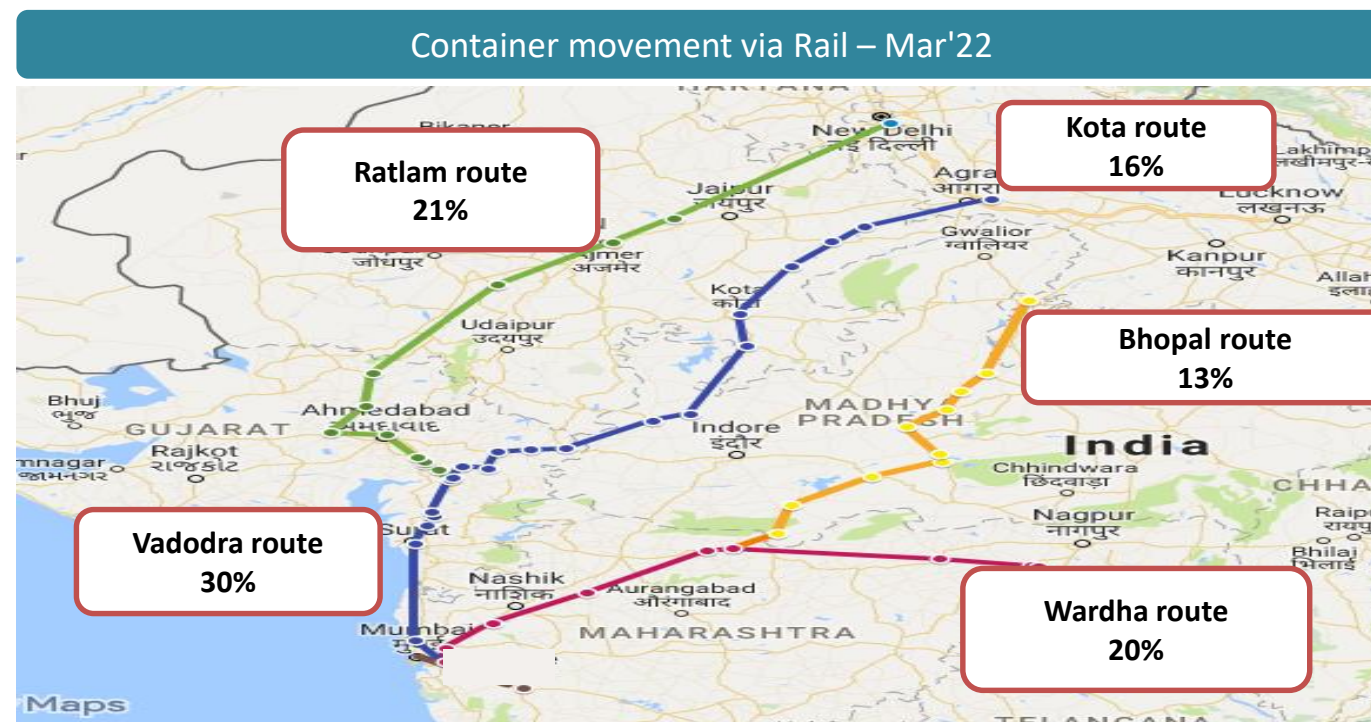
BMCT Terminal

Congestion Level
Export Cycle :- [Orange bar]

Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
 2) Analysis consist of CFS covered under LDB project

JNPT Port	
Route	Percentage of Container Movement
Vadodra Route	30%
Ratlam Route	21%
Wardha Route	20%
Kota Route	16%
Bhopal Route	13%

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



CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

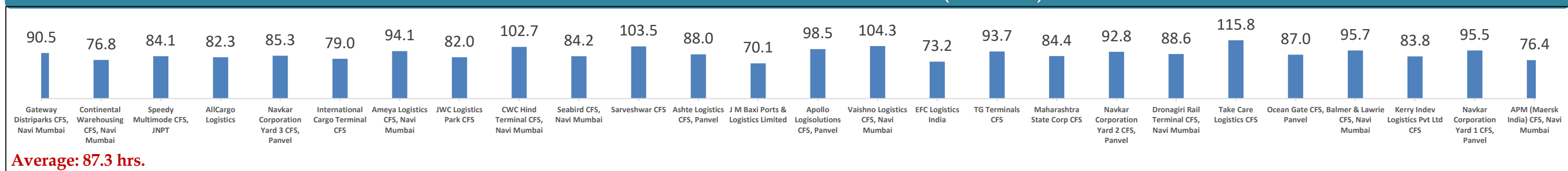
Below table and graphs show the dwell time of the respective CFSs for the month of Mar'22

CFS Dwell Time (in hrs.)

CFS	Feb'22 (in hrs)	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	86.9	90.5
Continental Warehousing CFS, Navi Mumbai	82.4	76.8
Speedy Multimode CFS, JNPT	82.8	84.1
AllCargo Logistics	77.3	82.3
Navkar Corporation Yard 3 CFS, Panvel	81.3	85.3
International Cargo Terminal CFS	85.8	79.0
Ameya Logistics CFS, Navi Mumbai	94.1	94.1
JWC Logistics Park CFS	83.6	82.0
CWC Hind Terminal CFS, Navi Mumbai	95.8	102.7
Seabird CFS, Navi Mumbai	77.0	84.2
Sarveshwar CFS	93.5	103.5
Ashte Logistics CFS, Panvel	88.3	88.0
J M Baxi Ports & Logistics Limited	75.5	70.1

CFS	Feb'22 (in hrs)	Mar'22 (in hrs)
Apollo Logisolutions CFS, Panvel	94.0	98.5
Vaishno Logistics CFS, Navi Mumbai	91.9	104.3
EFC Logistics India	86.1	73.2
TG Terminals CFS	91.9	93.7
Maharashtra State Corp CFS	77.2	84.4
Navkar Corporation Yard 2 CFS, Panvel	94.9	92.8
Dronagiri Rail Terminal CFS, Navi Mumbai	75.7	88.6
Take Care Logistics CFS	91.8	115.8
Ocean Gate CFS, Panvel	92.2	87.0
Balmer & Lawrie CFS, Navi Mumbai	87.3	95.7
Kerry Indev Logistics Pvt Ltd CFS	87.4	83.8
Navkar Corporation Yard 1 CFS, Panvel	88.7	95.5
APM (Maersk India) CFS, Navi Mumbai	72.0	76.4

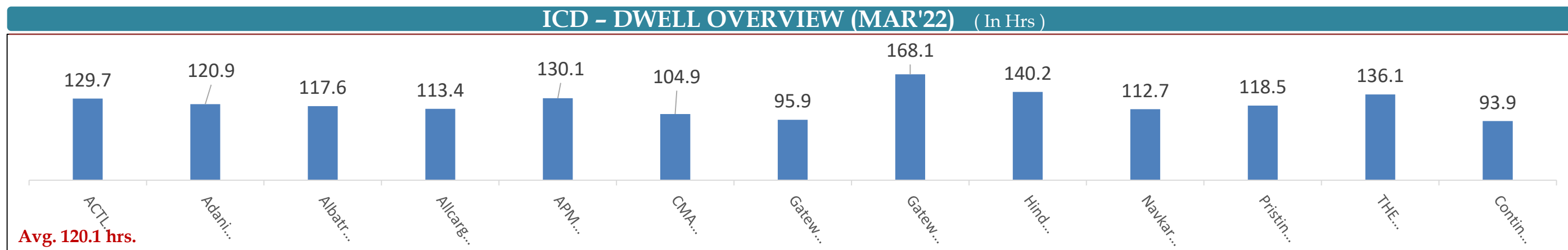
CFS - DWELL OVERVIEW - MAR'22 (IN HRS)



ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Feb'22(in hrs)	Mar'22(in hrs)
ACTL ICD, Faridabad	123.3	129.7
Adani Logistics Park ICD, Gurgaon	123.2	120.9
Albatross Inland Ports ICD, Dadri	112.9	117.6
Allcargo Logistics Park ICD, Dadri	107.5	113.4
APM Terminals ICD, Dadri	127.7	130.1
CMA CGM Logistics Park, Dadri	99.2	104.9
Gateway Rail Freight ICD, Gurgaon	99.2	95.9
GatewayRail Freight ICD, Pyala	149.9	168.1
Hind Terminals Logistics Park ICD, Palwal	149.7	140.2
Continental Warehousing Corporation Nhava Sheva pvt.	101.7	93.9
Navkar ICD, Tumb	117.8	112.7
Pristine ICD Chawapail	102.1	118.5
THE THAR DRY PORT	123.4	136.1

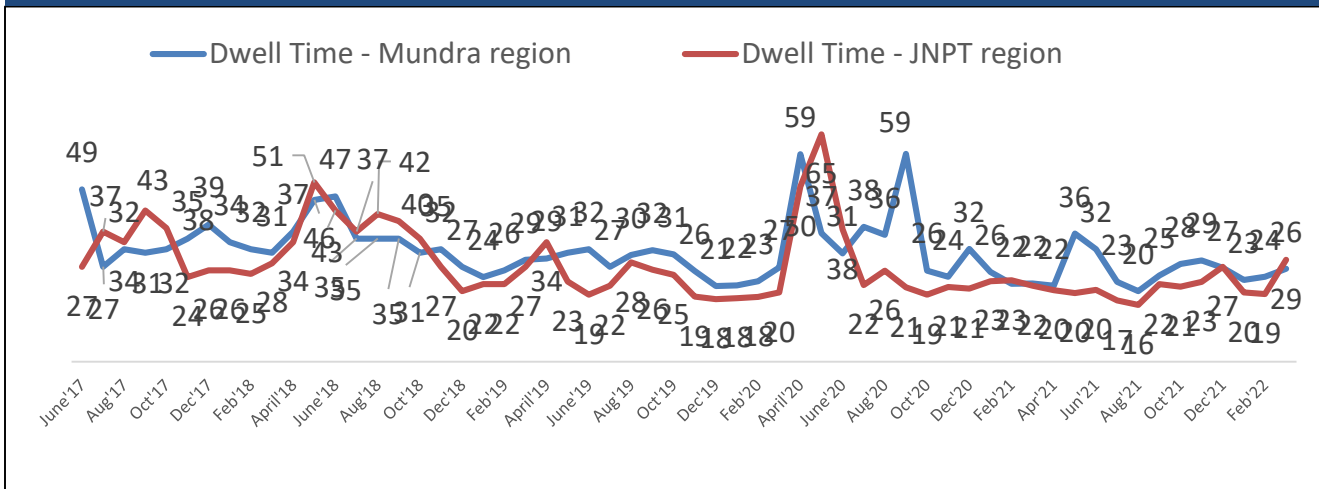


Trend Analysis

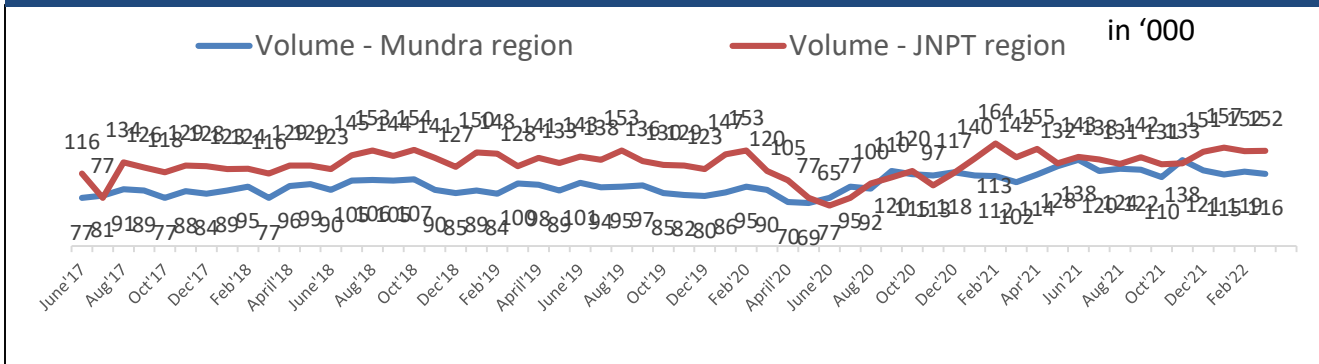
Container Volume and Dwell time of all the terminals in JNPT and Mundra Port has been analysed until Mar'22

Import Cycle

Dwell Time – Mundra Region Vs JNPT Region



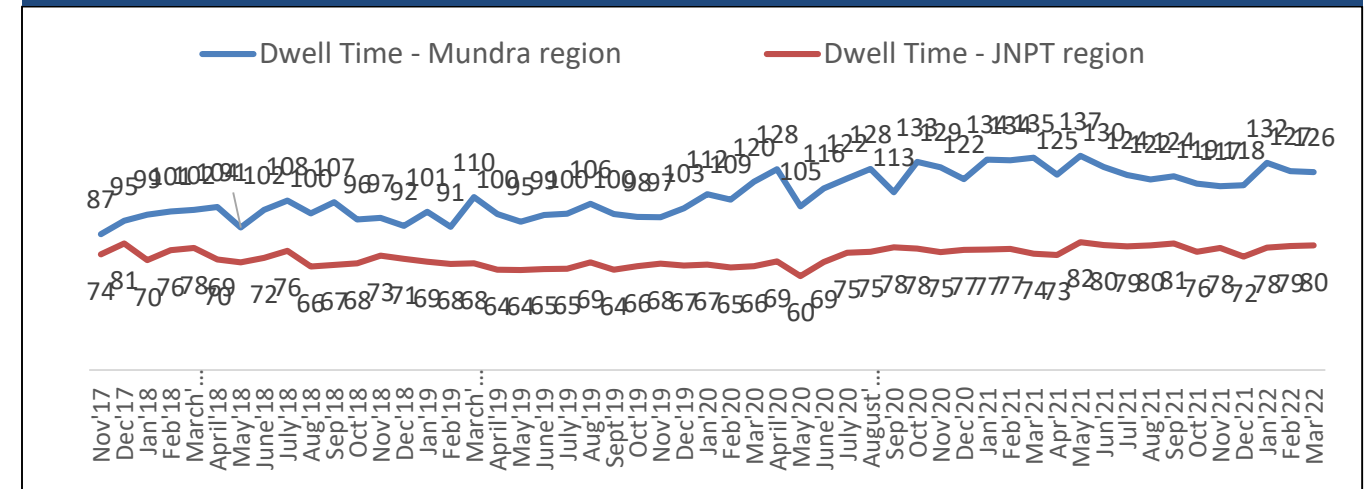
Volume – Mundra Region Vs JNPT Region



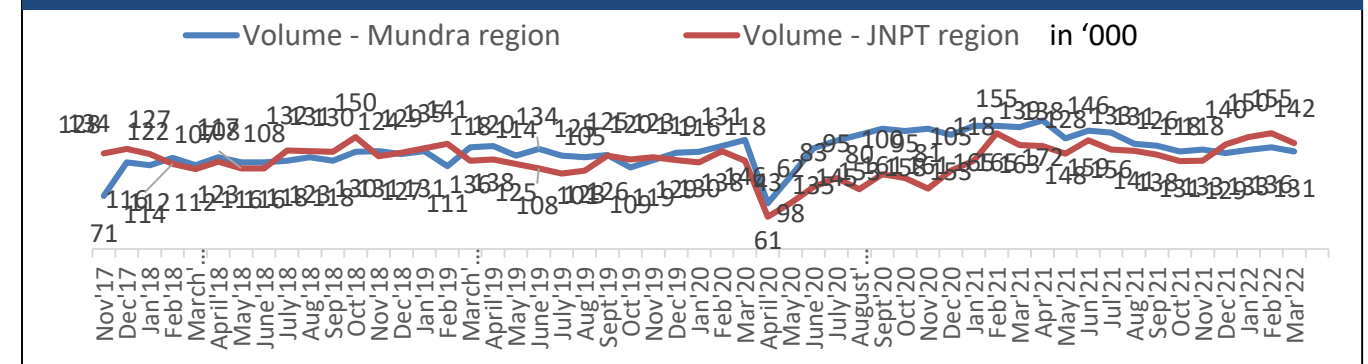
In Import cycle, for the month of Mar'22 Mundra port has catered 32% less volume than JNPT Port, and has maintained 10% lower dwell time than JNPT Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPT Region



Volume – Mundra Region Vs JNPT Region

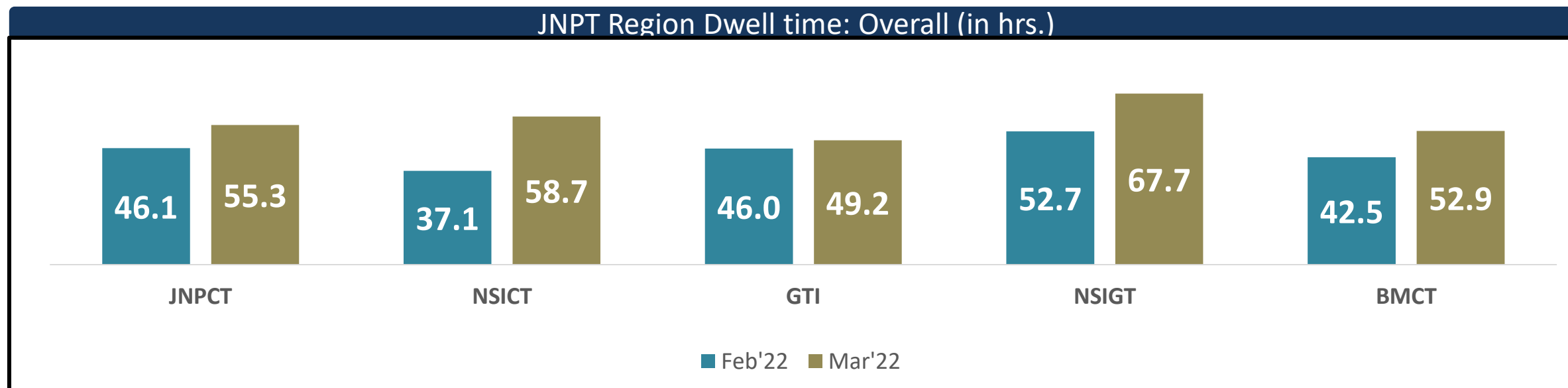


In Export cycle, for the month Mar'22 JNPT port catered 8% more volume than Mundra Port, and has maintained 37% lower dwell time than Mundra Port

JNPT PORT DWELL TIME TREND: Month on Month

JNPT 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 JNPT 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



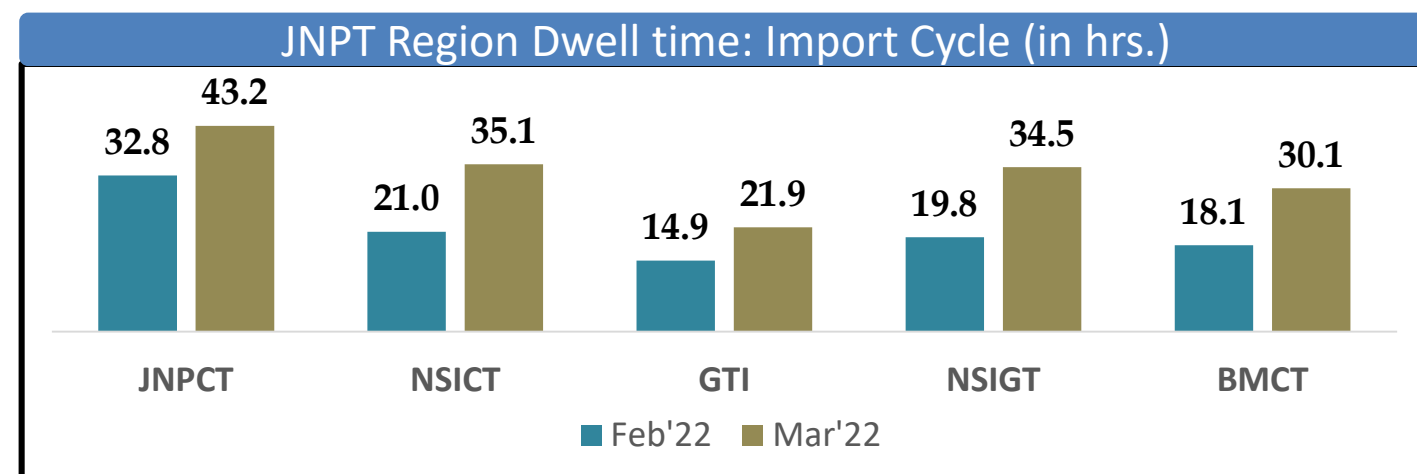
The overall JNPT region average dwell time for Mar'22 is 55.2 hrs as compared to 44.8 hrs in Feb'22

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



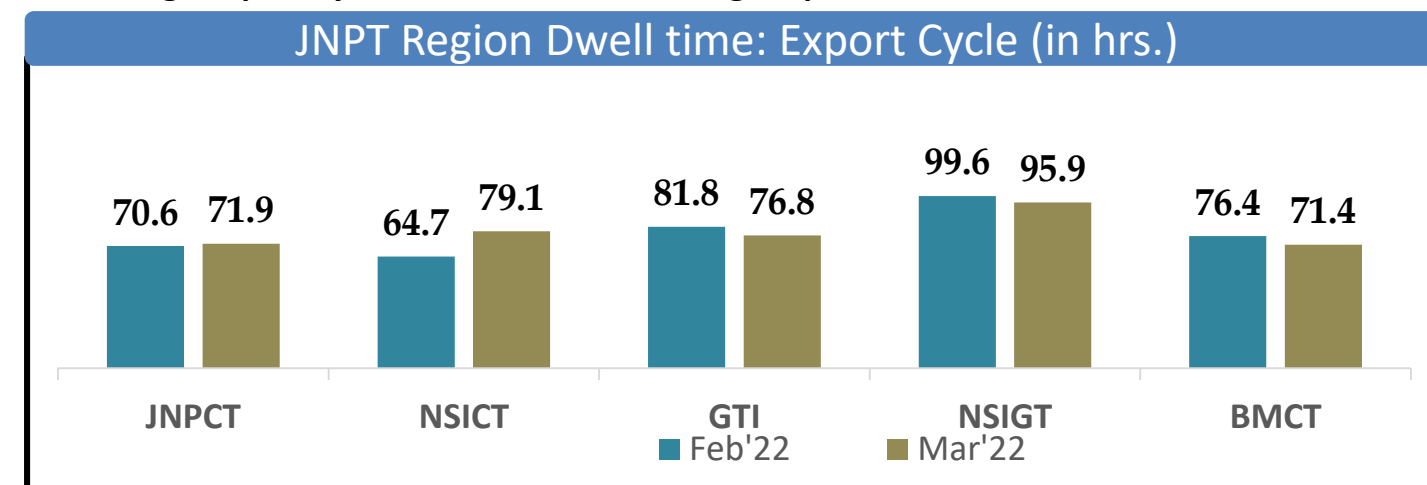
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Mar'22 is 29.0 hrs.



JNPT Export cycle Trend

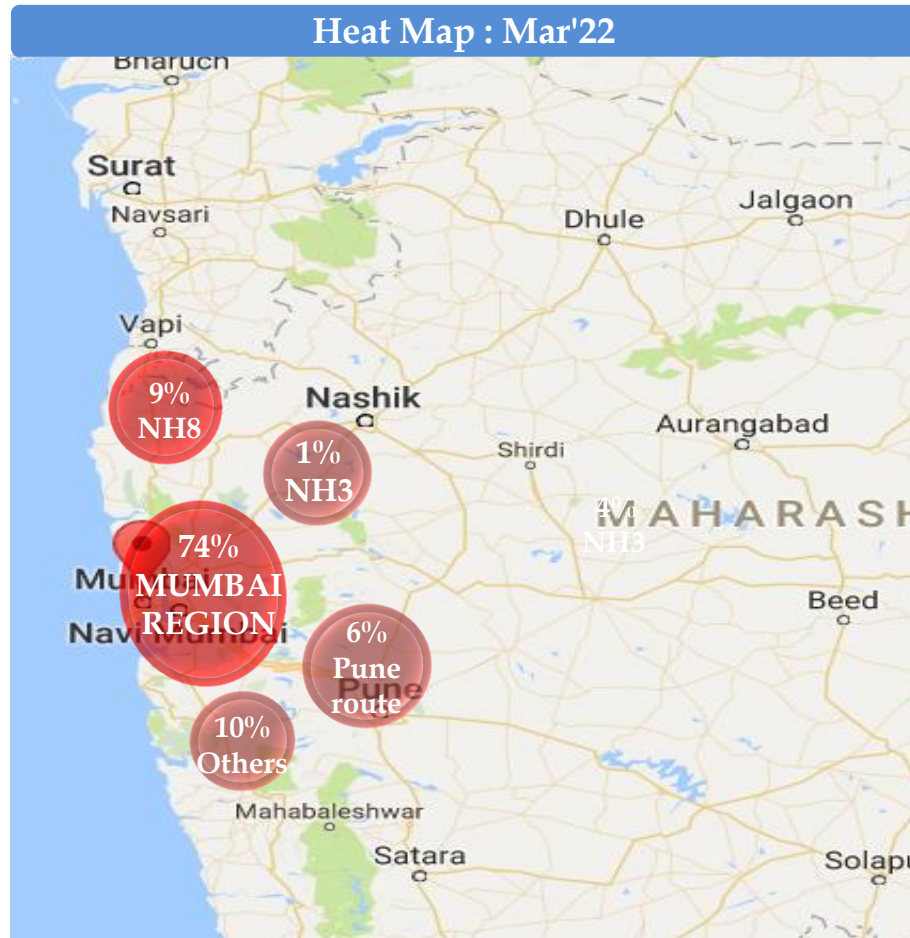
The average export cycle dwell time of JNPT region port terminals for Mar'22 is 79.5 hrs.



ANNEXURE

Container movement around JNPT Port terminal region via Truck

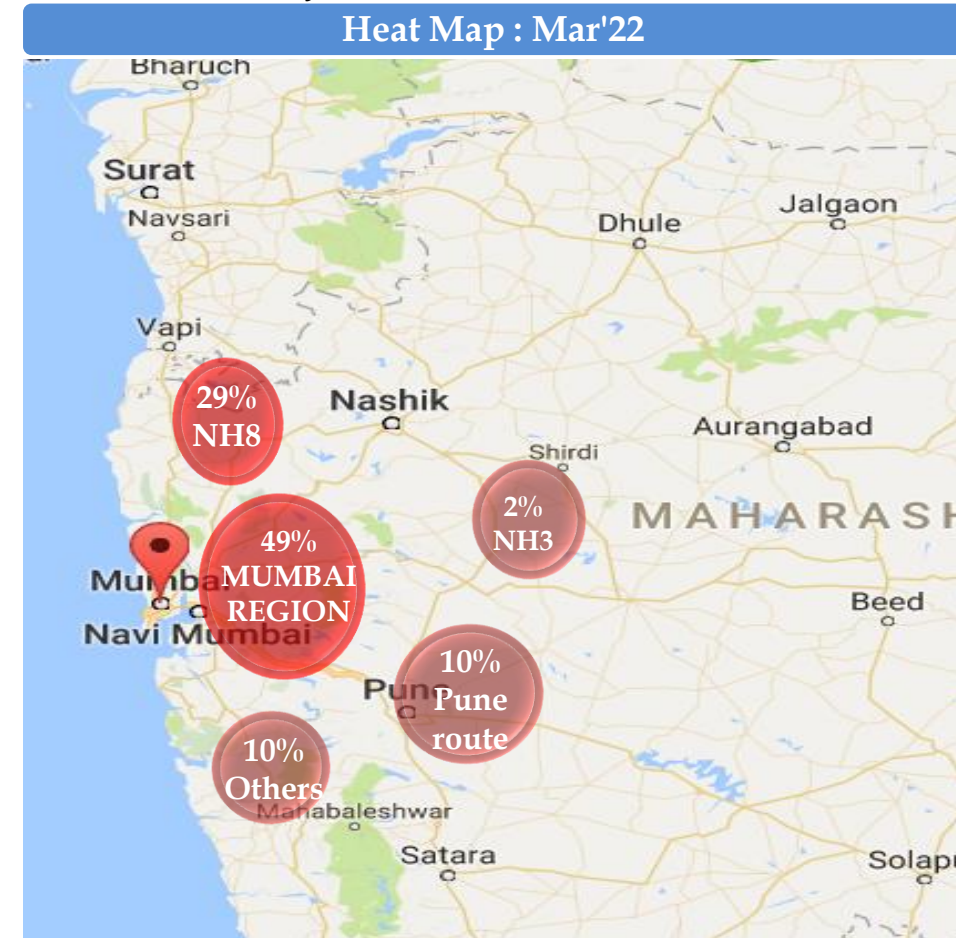
HEAT MAP : GTI Port Terminal



Region	Feb'22	Mar'22
Mumbai region	73%	74%
NH3	0%	1%
Pune	7%	6%
NH8	10%	9%
others	10%	10%

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

HEAT MAP : JNPT Port Terminal

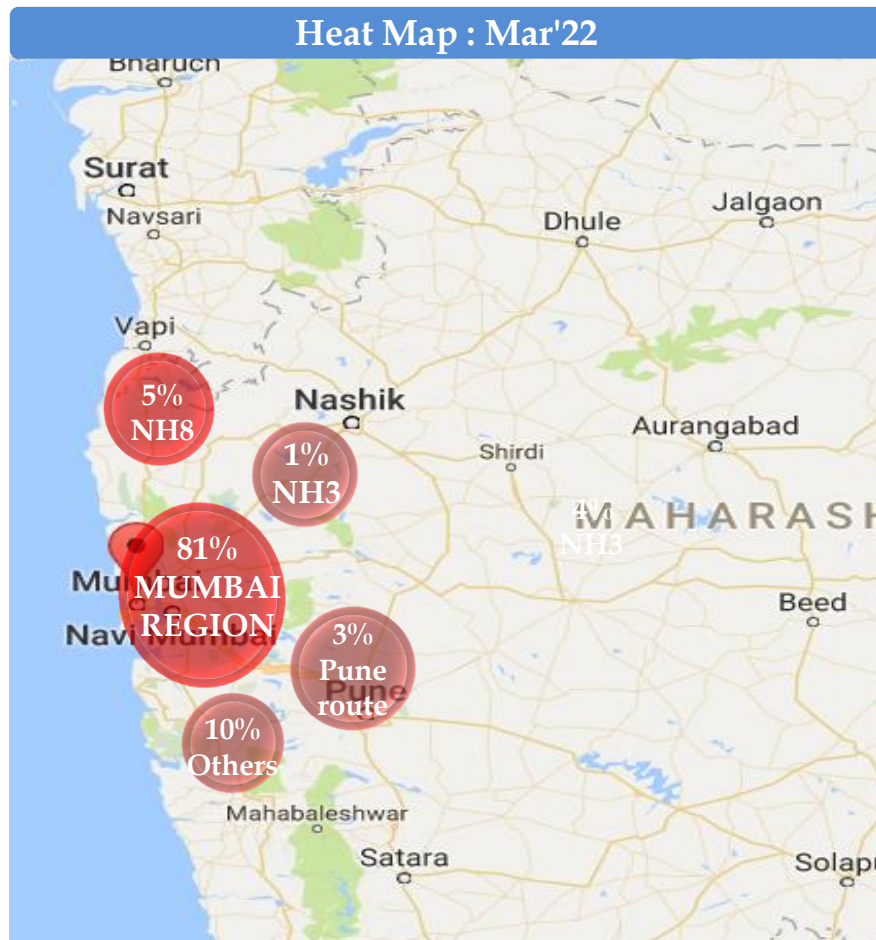


Region	Feb'22	Mar'22
Mumbai region	72%	49%
NH3	0%	2%
Pune	4%	10%
NH8	14%	29%
others	10%	10%

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

Container movement around JNPT Port terminal region via Truck

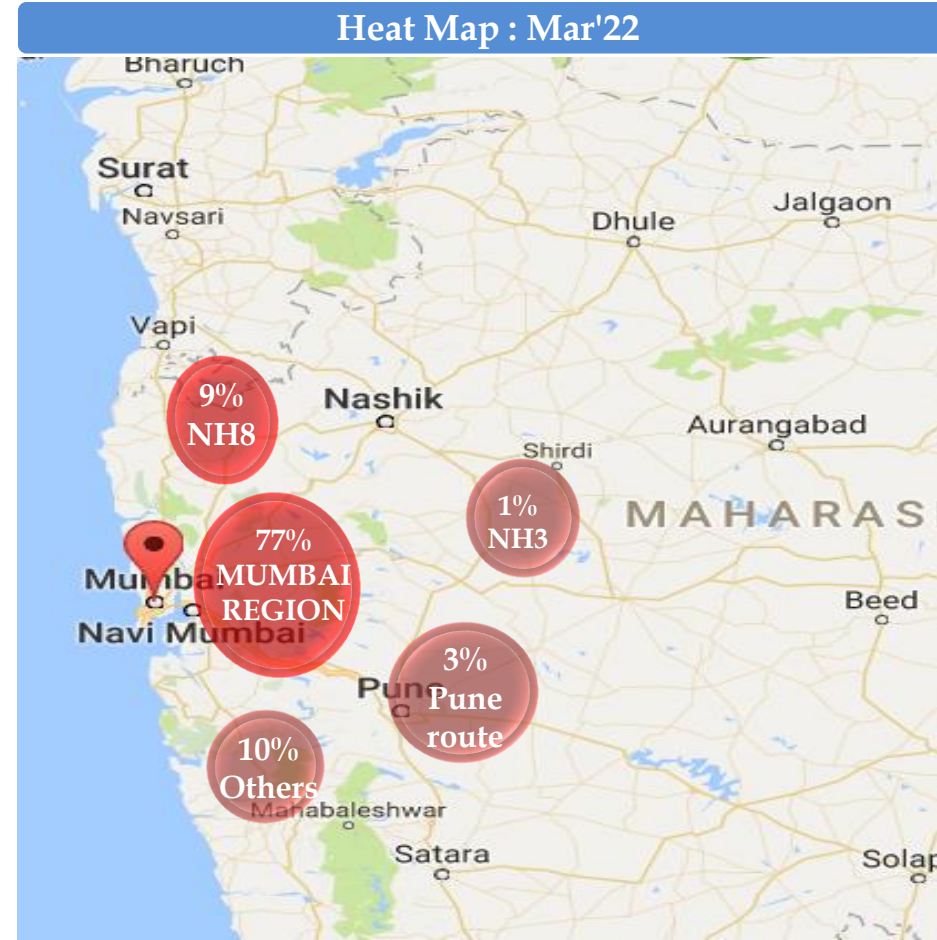
HEAT MAP : NSIGT Port Terminal



Region	Feb'22	Mar'22
Mumbai region	80%	81%
NH3	0%	1%
Pune	3%	3%
NH8	7%	5%
others	10%	10%

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

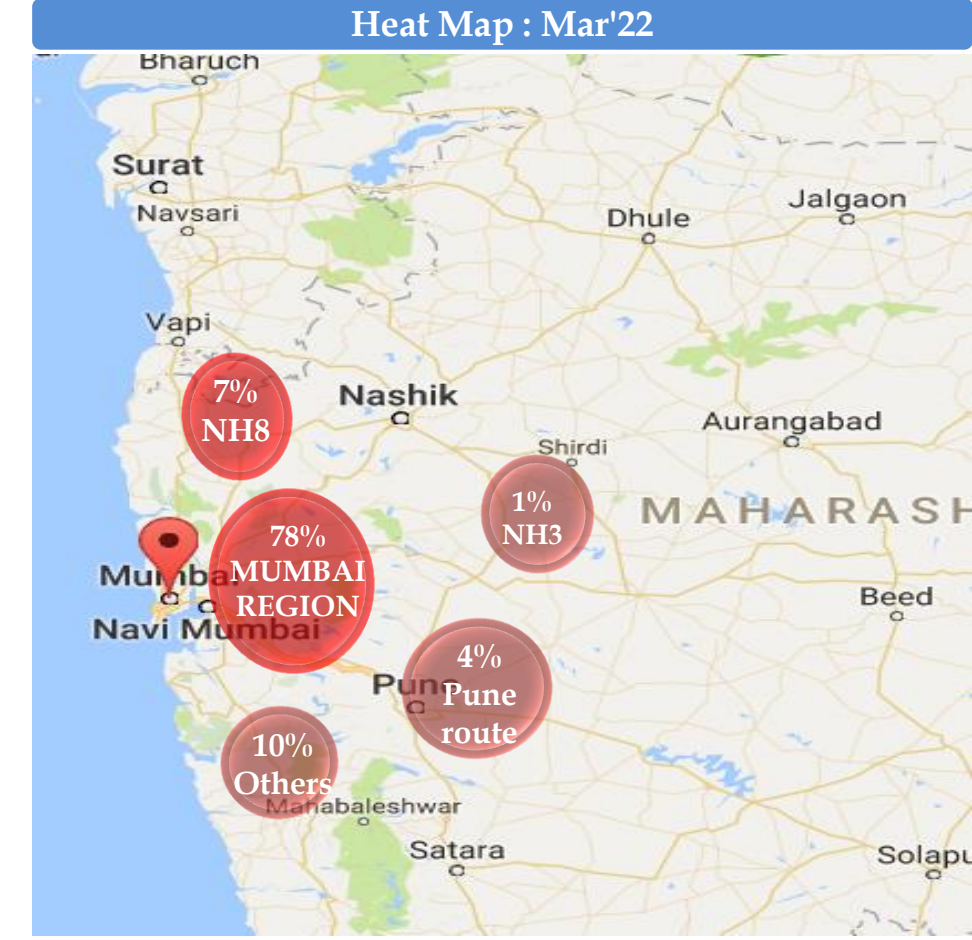
HEAT MAP : NSICT Port Terminal



Region	Feb'22	Mar'22
Mumbai region	80%	77%
NH3	0%	1%
Pune	3%	3%
NH8	7%	9%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Feb'22	Mar'22
Mumbai region	78%	78%
NH3	0%	1%
Pune	3%	4%
NH8	9%	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 JNPT Port

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

For Mar'22					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.6	3.5	3.8	2.6	5.0
Punjab Conware CFS, Navi Mumbai	-	-	-	-	-
JWC Logistics Park CFS	1.7	4.5	3.5	4.0	6.6
CWC Hind Terminal CFS, Navi Mumbai	1.4	3.2	8.7	3.1	4.4
Dronagiri Rail Terminal CFS, Navi Mumbai	1.3	3.8	3.3	3.5	4.3
Navkar Corporation Yard 2 CFS, Panvel	3.7	5.8	5.8	4.3	8.3
Vaishno Logistics CFS, Navi Mumbai	1.9	3.5	2.4	2.5	5.3
Speedy Multimode CFS, JNPT	1.3	3.5	2.8	2.7	4.0
Balmer & Lawrie CFS, Navi Mumbai	2.3	3.4	4.2	2.4	5.1
Navkar Corporation Yard 3 CFS, Panvel	4.3	6.6	5.1	4.2	7.6
Ashte Logistics CFS, Panvel	2.2	4.5	6.5	3.4	6.4
Continental Warehousing CFS, Navi Mumbai	1.5	2.9	1.8	2.7	3.8
SBW Logistics CFS, Navi Mumbai	-	9.2	20.9	8.0	15.6
Maharashtra State Corp CFS	1.6	3.6	3.5	3.2	5.0
International Cargo Terminal CFS	2.1	3.9	3.8	3.1	5.2
Seabird CFS, Navi Mumbai	1.6	3.7	3.0	3.6	4.1
Apollo Logisolutions CFS, Panvel	2.6	5.0	4.8	4.2	5.3
Ameya Logistics CFS, Navi Mumbai	1.9	4.4	3.9	2.7	5.3
AllCargo Logistics	1.2	3.9	3.1	3.0	5.0
Ocean Gate CFS, Panvel	3.1	4.8	4.1	2.7	5.1
J M Baxi Ports & Logistics Limited	2.1	3.0	2.6	3.4	4.4
Indev Logistics CFS, Panvel	2.8	5.0	9.4	2.4	6.4
CWC Dronagiri CFS, Navi Mumbai	-	-	-	-	-
APM (Maersk India) CFS, Navi Mumbai	19.8	3.0	2.3	2.0	3.8

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	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.3
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.0
AllCargo Logistics	2.1
Indev Logistics CFS, Panvel	4.3
Navkar Corporation Yard 3 CFS, Panvel	4.5
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	2.3
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	2.7
Navkar Corporation Yard 1 CFS, Panvel	4.3
J M Baxi Ports & Logistics Limited	2.2
Maersk Annex (APM)CFS, Navi Mumbai	2.6
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	4.6
Navkar Corporation Yard 2 CFS, Panvel	4.6
Punjab Conware CFS, Navi Mumbai	-
Vaishno Logistics CFS, Navi Mumbai	3.1
JWC Logistics Park CFS	3.5
SBW Logistics CFS, Navi Mumbai	3.4
Ocean Gate CFS, Panvel	2.8
Maharashtra State Corp CFS	2.1

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	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	4.0
APM (Maersk India) CFS, Navi Mumbai	3.6
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.5
AllCargo Logistics	2.2
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	3.8
Seabird CFS, Navi Mumbai	2.7
Balmer & Lawrie CFS, Navi Mumbai	1.8
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.2
Navkar Corporation Yard 1 CFS, Panvel	4.6
J M Baxi Ports & Logistics Limited	2.2
Maersk Annex (APM)CFS, Navi Mumbai	-
Speedy Multimode CFS, JNPT	1.7
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	4.3
Punjab Conware CFS, Navi Mumbai	-
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	2.5
SBW Logistics CFS, Navi Mumbai	5.0
Ocean Gate CFS, Panvel	3.2
Maharashtra State Corp CFS	1.8

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	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	2.3
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.2
AllCargo Logistics	2.4
Indev Logistics CFS, Panvel	3.4
Navkar Corporation Yard 3 CFS, Panvel	5.0
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	16.2
Navkar Corporation Yard 1 CFS, Panvel	3.9
J M Baxi Ports & Logistics Limited	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.3
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	6.4
Navkar Corporation Yard 2 CFS, Panvel	4.7
Punjab Conware CFS, Navi Mumbai	2.8
Vaishno Logistics CFS, Navi Mumbai	2.3
JWC Logistics Park CFS	2.6
SBW Logistics CFS, Navi Mumbai	3.9
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	2.5

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	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	2.9
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.0
AllCargo Logistics	2.2
Indev Logistics CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	3.7
Seabird CFS, Navi Mumbai	2.3
Balmer & Lawrie CFS, Navi Mumbai	3.0
Ashte Logistics CFS, Panvel	3.3
Continental Warehousing CFS, Navi Mumbai	2.5
CWC Hind Terminal CFS, Navi Mumbai	2.4
Dronogiri Rail Terminal CFS, Navi Mumbai	19.7
Navkar Corporation Yard 1 CFS, Panvel	3.3
J M Baxi Ports & Logistics Limited	2.4
Maersk Annex (APM)CFS, Navi Mumbai	1.7
Speedy Multimode CFS, JNPT	3.0
Apollo Logisolutions CFS, Panvel	4.1
Navkar Corporation Yard 2 CFS, Panvel	4.4
Punjab Conware CFS, Navi Mumbai	14.5
Vaishno Logistics CFS, Navi Mumbai	2.3
JWC Logistics Park CFS	3.5
SBW Logistics CFS, Navi Mumbai	3.4
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	2.5

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	Mar'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.4
APM (Maersk India) CFS, Navi Mumbai	2.1
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	1.9
AllCargo Logistics	1.9
Indev Logistics CFS, Panvel	4.5
Navkar Corporation Yard 3 CFS, Panvel	3.4
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	2.2
Ashte Logistics CFS, Panvel	3.2
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	2.2
Navkar Corporation Yard 1 CFS, Panvel	3.6
J M Baxi Ports & Logistics Limited	1.9
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	2.7
Punjab Conware CFS, Navi Mumbai	1.5
Vaishno Logistics CFS, Navi Mumbai	2.6
JWC Logistics Park CFS	3.2
SBW Logistics CFS, Navi Mumbai	2.9
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	2.1

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 Mar'22				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.8	3.5
Cluster 2	6	13	2.2	3.3
Cluster 3	6	11	2.6	3.7
Cluster 4	1	13	3.1	3.5
Cluster 5	2	25	3.2	4.7
Cluster 6	6	25	4.4	5.0
Cluster 7	4	12	2.0	3.9
Cluster 8	1	34	3.4	9.2

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Mar'22				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.7	1.3
Cluster 2	6	13	2.0	2.1
Cluster 3	6	11	1.8	1.6
Cluster 4	1	13	2.5	1.9
Cluster 5	2	25	2.9	2.4
Cluster 6	6	25	3.9	2.8
Cluster 7	4	12	2.2	1.5
Cluster 8	1	34	5.0	-

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

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 Mar'22

NSIGT terminal for month of Mar'22

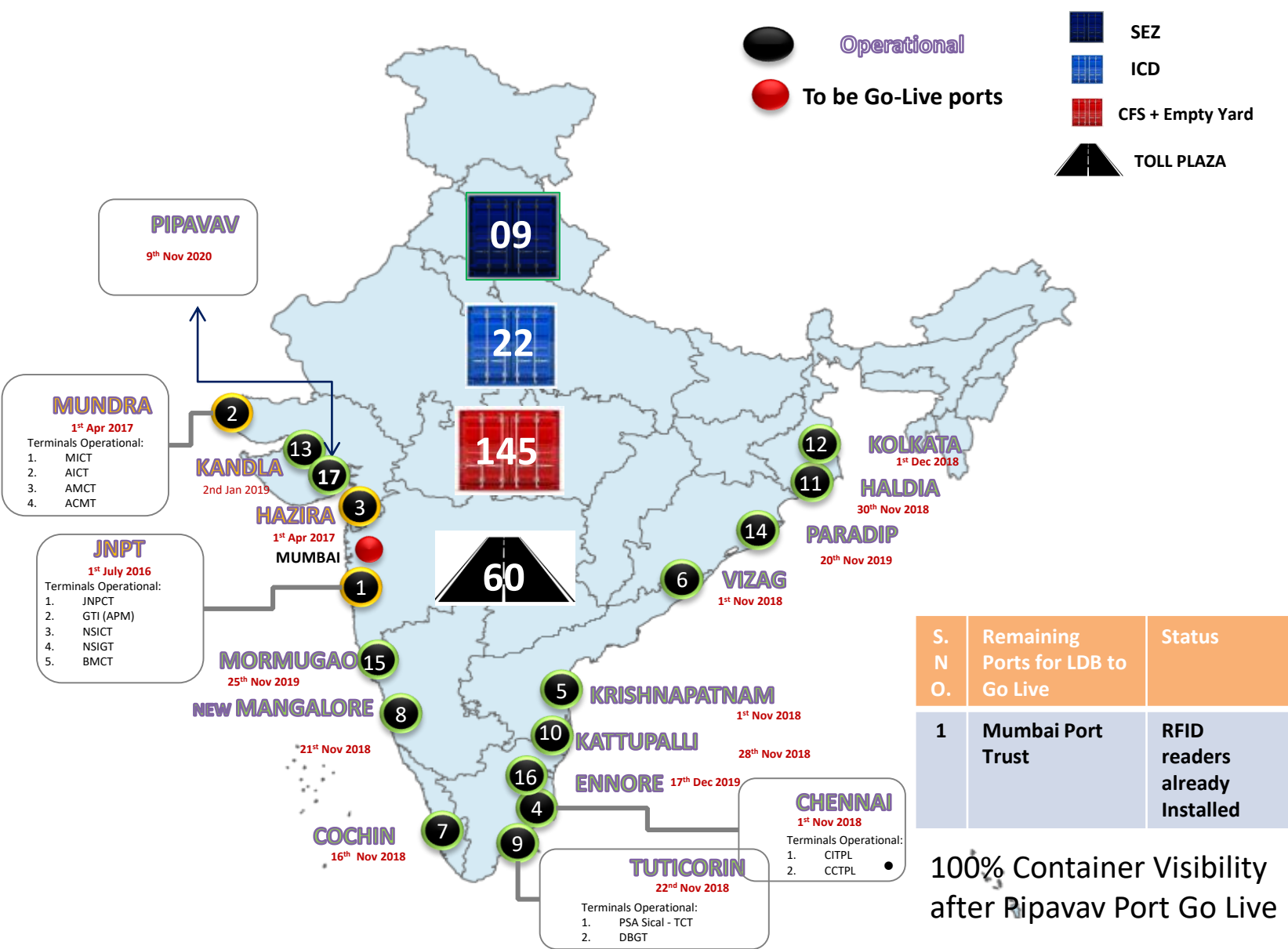
BMCT terminal for month of Mar'22

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	2.8
Cluster 2	6	13	2.3	3.8
Cluster 3	6	11	2.6	3.3
Cluster 4	1	13	2.3	2.4
Cluster 5	2	25	2.9	3.8
Cluster 6	6	25	4.3	5.8
Cluster 7	4	12	2.2	3.1
Cluster 8	1	34	3.9	20.9

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	3.0	2.7
Cluster 2	6	13	2.4	2.9
Cluster 3	6	11	2.0	3.5
Cluster 4	1	13	2.3	2.5
Cluster 5	2	25	3.4	3.3
Cluster 6	6	25	3.7	4.2
Cluster 7	4	12	2.2	2.7
Cluster 8	1	34	3.4	8.0

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	2.0	4.0
Cluster 2	6	13	1.9	4.7
Cluster 3	6	11	2.0	4.3
Cluster 4	1	13	2.6	5.3
Cluster 5	2	25	3.0	5.9
Cluster 6	6	25	3.4	6.4
Cluster 7	4	12	1.9	5.0
Cluster 8	1	34	2.9	15.6

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
(JNPT Area)

- Speedy Multimode CFS, JNPT

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, JNPT 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, JNPT 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 JNPT 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	CWC Hind Terminal CFS, Navi Mumbai	25	AllCargo CFS, Mundra
2	AllCargo Logistics	26	Punjab Conware CFS, Navi Mumbai
3	Saurashtra CFS, Mundra	27	Seabird CFS, Navi Mumbai
4	Speedy Multimode CFS, JNPT	28	Rishi CFS, Mundra
5	Gateway Distriparks CFS, Navi Mumbai	29	Seabird CFS, Mundra
6	Continental Warehousing CFS, Navi Mumbai	30	MICT CFS, Mundra
7	Adani CFS Eximyard, Mundra	31	Indev Logistics CFS, Panvel
8	JWC Logistics Park CFS	32	Vaishno Logistics CFS, Navi Mumbai
9	Navkar Corporation Yard 3 CFS, Panvel	33	Mundhra CFS, Mundra
10	Ameya Logistics CFS, Navi Mumbai	34	Balmer & Lawrie CFS, Navi Mumbai
11	International Cargo Terminals (ULA) CFS, Navi Mumbai	35	Take Care Logistics CFS
12	Adani CFS, Hazira	36	Hind Terminal CFS, Hazira
13	Hind Terminals Pvt. Ltd. CFS, Mundra	37	TG Terminals CFS
14	CWC CFS, Mundra	38	Maersk Annex (APM)CFS, Navi Mumbai
15	EFC Logistics India	39	Dronagiri Rail Terminal CFS, Navi Mumbai
16	International Cargo Terminal CFS	40	Ocean Gate CFS, Panvel
17	JWR CFS	41	Seabird CFS, Hazira
18	Ashte Logistics CFS, Panvel	42	Ashutosh CFS, Mundra
19	Sarveshwar CFS	43	APM (Maersk India) CFS, Navi Mumbai
20	Landmark CFS, Mundra	44	A V Joshi CFS
21	TG Terminals CFS, Mundra	45	Navkar Corporation Yard 1 CFS, Panvel
22	Honey Comb CFS, Mundra	46	Empezar Logistics CFS
23	Apollo Logisolutions CFS, Panvel	47	Transworld CFS, Mundra
24	Navkar Corporation Yard 2 CFS, Panvel	48	Maharashtra State Corp CFS



THANK YOU