

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Mar'21 (in hrs)	Apr'21 (in hrs)	Port	Mar'21 (in hrs)	Apr'21 (in hrs)
JNPCT	36.22	33.70	JNPCT	76.64	69.73
NSICT	21.72	20.52	NSICT	64.30	58.23
GTI	18.07	16.58	GTI	72.17	77.17
NSIGT	21.38	19.30	NSIGT	86.80	84.62
BMCT/PSA	21.45	21.17	BMCT/PSA	73.53	73.87

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Container handling performance in both Import cycle & Export cycle has improved as compared to last month.
- Container handling performance at CFS and ICD has deteriorated as compared to last month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
April'21	20.3 hrs 	73.4 hrs 	93.1 hrs 	135.7 hrs 
March'21	21.6 hrs	74.2 hrs	88.0 hrs	125.9 hrs

Port Dwell Time

IMPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	22.6	21.8
Truck	21.0	20.3
Train	42.7	41.0

EXPORT

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall	98.1	95.7
Truck	95.2	92.5
Train	115.8	115.0

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	88.4	93.8
ICD	125.9	135.7

 The marked entries showcase increase in performance in comparison to Mar'21

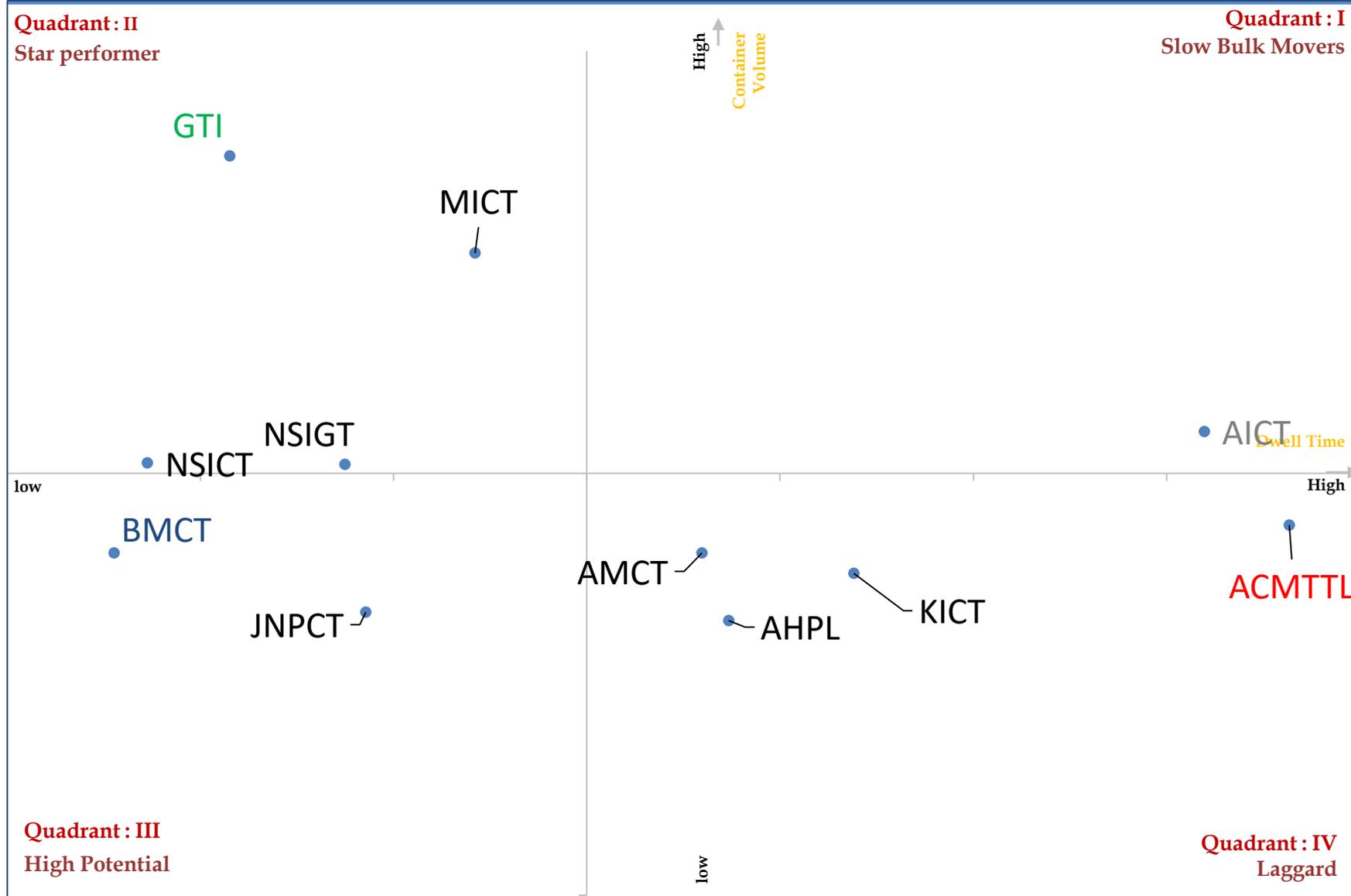
 The marked entries showcase decrease in performance in comparison to Mar'21



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Apr'21



Performance benchmarking for Port Terminals covered under LDB project for Apr'21

Top Performing Terminal

Gateway Terminals India (GTI)

Mar'21	Apr'21
38.2 Hrs	37.7 Hrs. ↑

Low Performing Terminal

Adani CMA Mundra Terminal (ACMTTL)

Mar'21	Apr'21
120.1 Hrs	108.2 Hrs ↑

Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'21

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

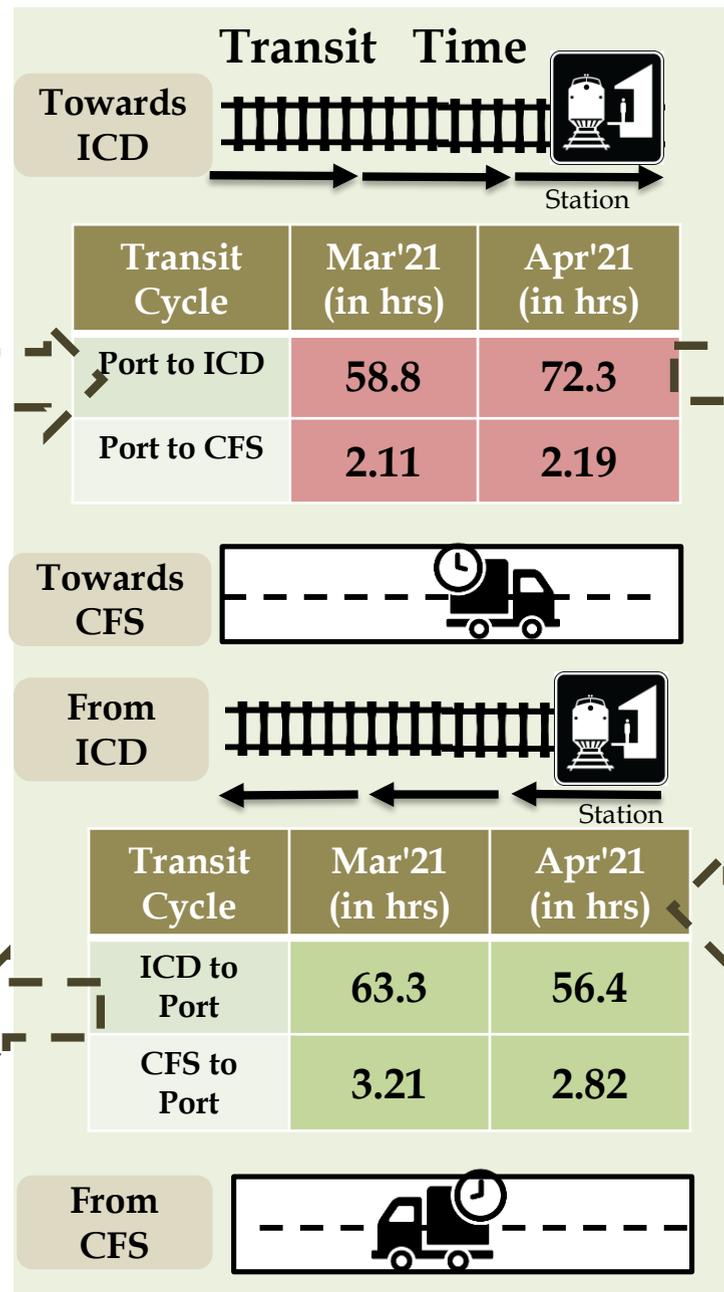
High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

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

Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	21.6	20.3
	Truck	19.8	18.5
	Train	36.9	35.0

Port Dwell Time			
EXPORT	Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
	Overall	74.2	73.4
	Truck	75.2	74.3
	Train	64.3	64.5



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

Entity	Mar'21 (in hrs)	Apr'21 (in hrs)
CFS	88.0	93.1
ICD	125.9	135.7

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	82%	18%
Export	78%	22%

■ The marked entries showcase the increase in performance as compared to Mar'21

■ The marked entries showcase the decrease in performance as compared to Mar'21

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Apr'21 - in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.3	6% ↑
	Port Dwell Time for Truck Bound Containers	18.5	7% ↑
	Port Dwell time for Train Bound Containers	35	5% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	38.4	21% ↓
	Port Dwell time Containers bound for CFS	17.2	2% ↑
	Port Dwell for Empty Containers	27.7	6% ↑
	Port Dwell for Laden Containers	19	7% ↑
TRANSIT TIME	Port to ICD	72.3	23% ↓
	Port to CFS	2.19	4% ↓

EXPORT CYCLE DWELL TIME (Apr'21- in hrs)			Compared to Mar'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	73.4	1% ↑
	Port Dwell Time for Truck Bound Containers	74.3	1% ↑
	Port Dwell time for Train Bound Containers	65.5	2% ↓
	Port Dwell time Direct Port Entry (DPE) containers	75.8	7% ↑
	Port Dwell time Containers bound from CFS	73.5	1% ↑
	Port Dwell for Empty Containers	67.9	1% ↑
	Port Dwell for Laden Containers	72.2	3% ↑
TRANSIT TIME	ICD to Port	56.4	11% ↑
	CFS to Port	2.8	13% ↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Mar'21

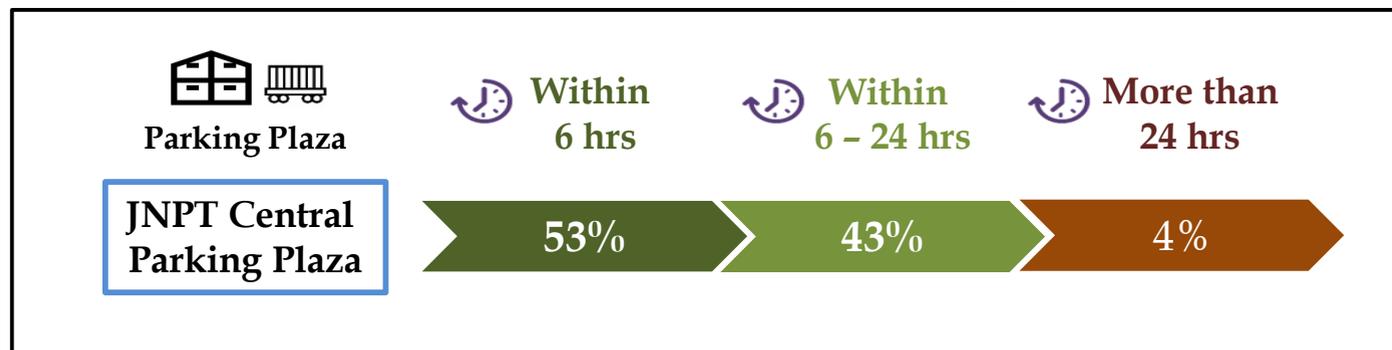
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall Parking Plaza	6.5	5.7

Container Handled: Day wise (Apr'21)



Parking Plaza Gate Out - Terminal In

Mode	Mar'21 (in hrs)	Apr'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.9	1.5

Port	Mar'21 (in hrs)	Apr'21 (in hrs)
JNPCT	1.6	2.0
NSICT	1.7	1.4
GTI	1.8	1.2
NSIGT	1.6	1.9
BMCT	2.9	2.4

Container Handled: Day wise (Apr'21)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra	
Mar'21	Apr'21
56.5 hrs	60.6 hrs

Low Performing CFS

A V Joshi CFS	
Mar'21	Apr'21
122.7 hrs.	123.2 hrs

Note: The performance benchmarking is based on performance index
 The arrows depict increase/decrease in overall performance of the stakeholders as compared to Mar'21

Top Performing ICD

Albatross Inland Ports ICD, Dadri	
Mar'21	Apr'21
103.9 hrs	112.1 hrs

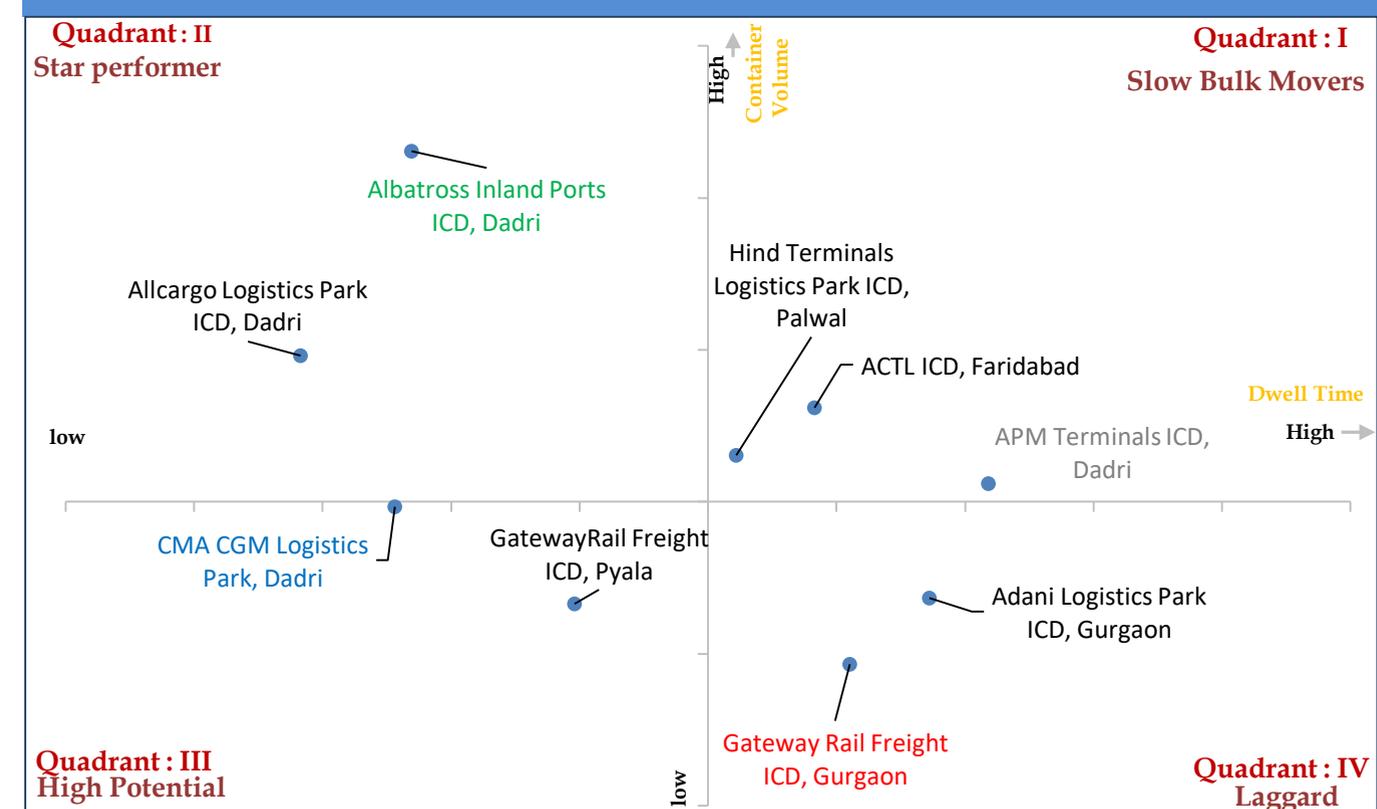
Low Performing ICD

Gateway Rail Freight ICD, Gurgaon	
Mar'21	Apr'21
130.5 hrs	142.0 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 JNPT port for truck and train bound containers in import cycle

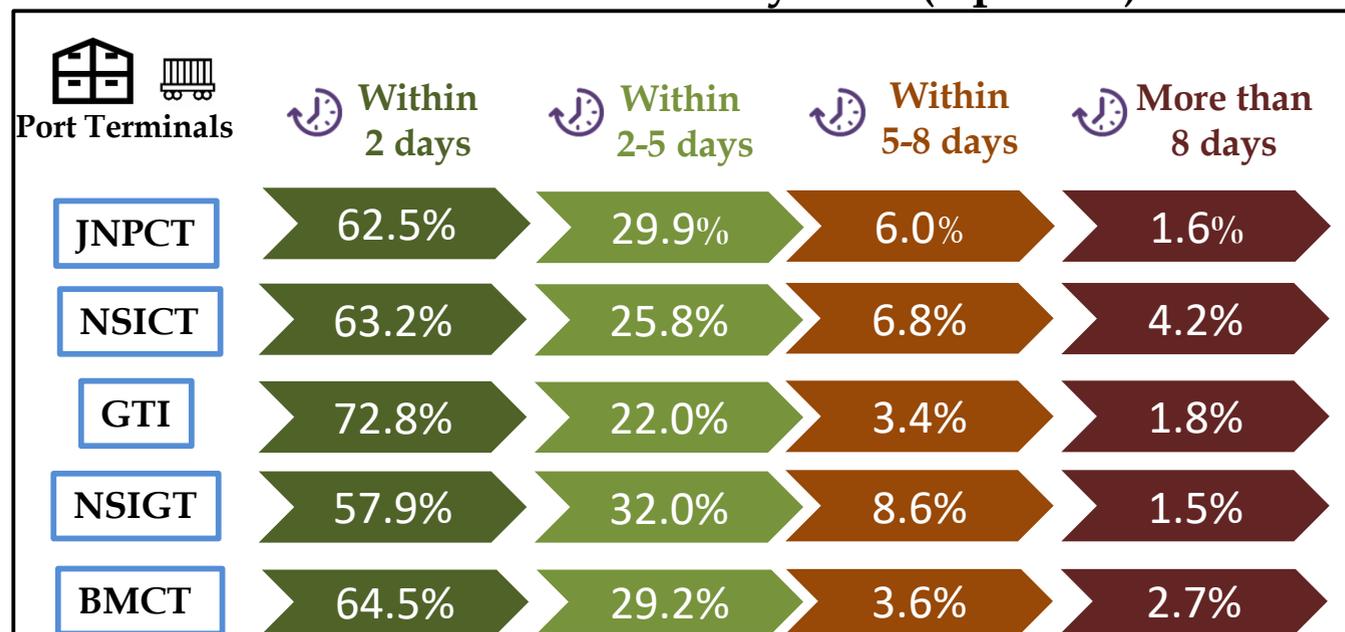
PORT IMPORT via TRAIN

(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	March'21 (in hrs)	April'21 (in hrs)
JNPCT	41.4	39.6
NSICT	40.9	35.2
GTI	30.9	30.6
NSIGT	55.9	42.2
BMCT	31.8	31.6

Container Handled: Day wise (April'21)



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	March'21 (in hrs)	April'21 (in hrs)
JNPCT	35.8	32.8
NSICT	20.0	19.1
GTI	16.3	14.8
NSIGT	17.6	16.3
BMCT	20.4	19.9

Container Handled: Day wise (April'21)



The below tables depict the detailed JNPT region port performance in the month of April'21

JNPCT		
Port Dwell time based on transit type		
April'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	33.2 hrs	34.2 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	32.0 hrs	39.6 hrs

GTI		
Port Dwell time based on transit type		
April'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	36.6 hrs	14.0 hrs
Port Dwell time based on transit type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	16.2 hrs	24.1 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

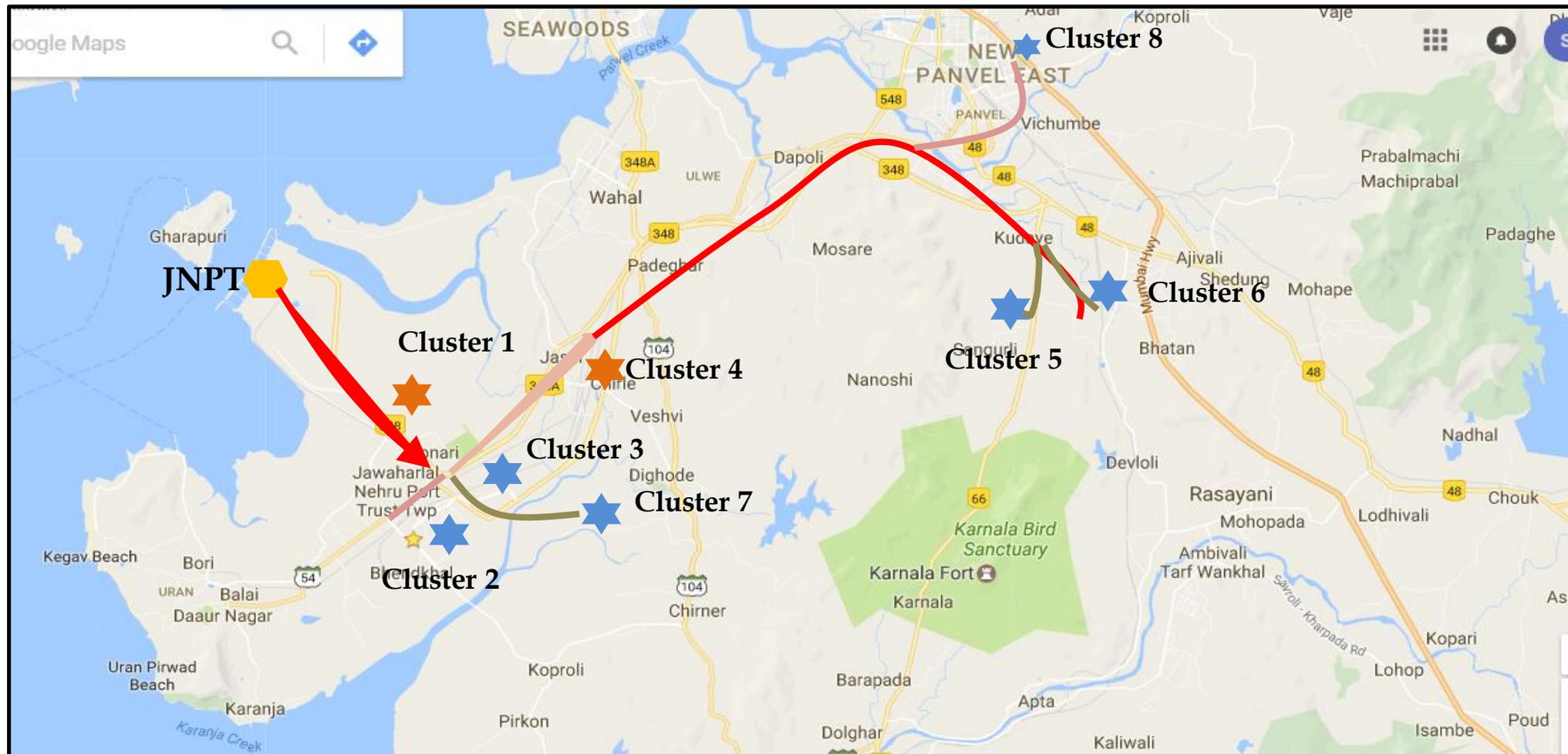
The below tables depict the detailed JNPT region port performance in the month of April'21

NSICT		
Port Dwell time based on transit type		
April'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	53.6 hrs	18.2 hrs
December		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	18.4 hrs	24.4 hrs

NSIGT		
Port Dwell time based on transit type		
April'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	46.6 hrs	15.0 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	18.1 hrs	26.6 hrs

BMCT		
Port Dwell time based on transit type		
April'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	34.9 hrs	18.0 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	19.7 hrs	30.4 hrs

The Below map indicate congestion around JNPT region in Import Cycle in month of April'21



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 4	Chirle area, JNPT road

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari 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
- 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

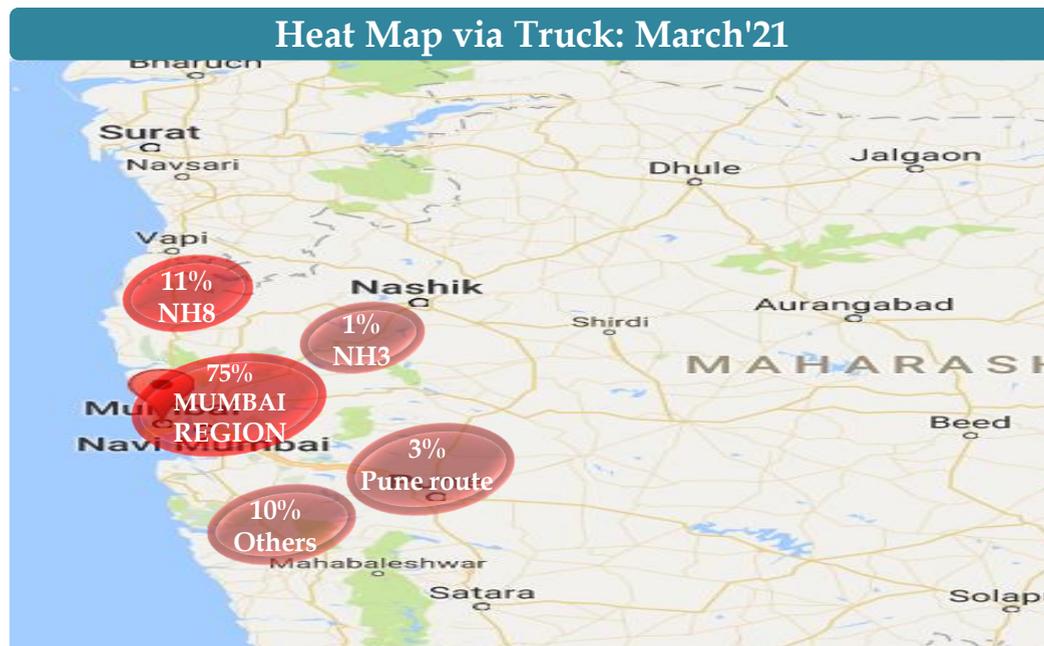
The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	April'21
Mumbai region	75%
NH3	1%
Pune	3%
NH8	11%
others	10%

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

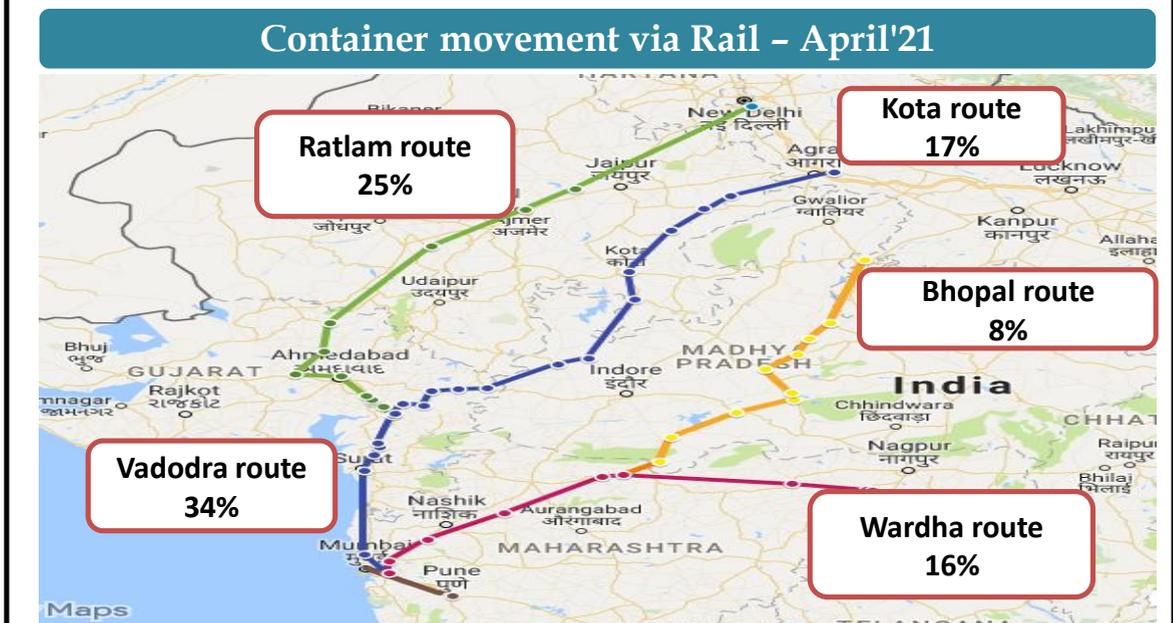


Train

VOLUME WISE CONTAINER MOVEMENT

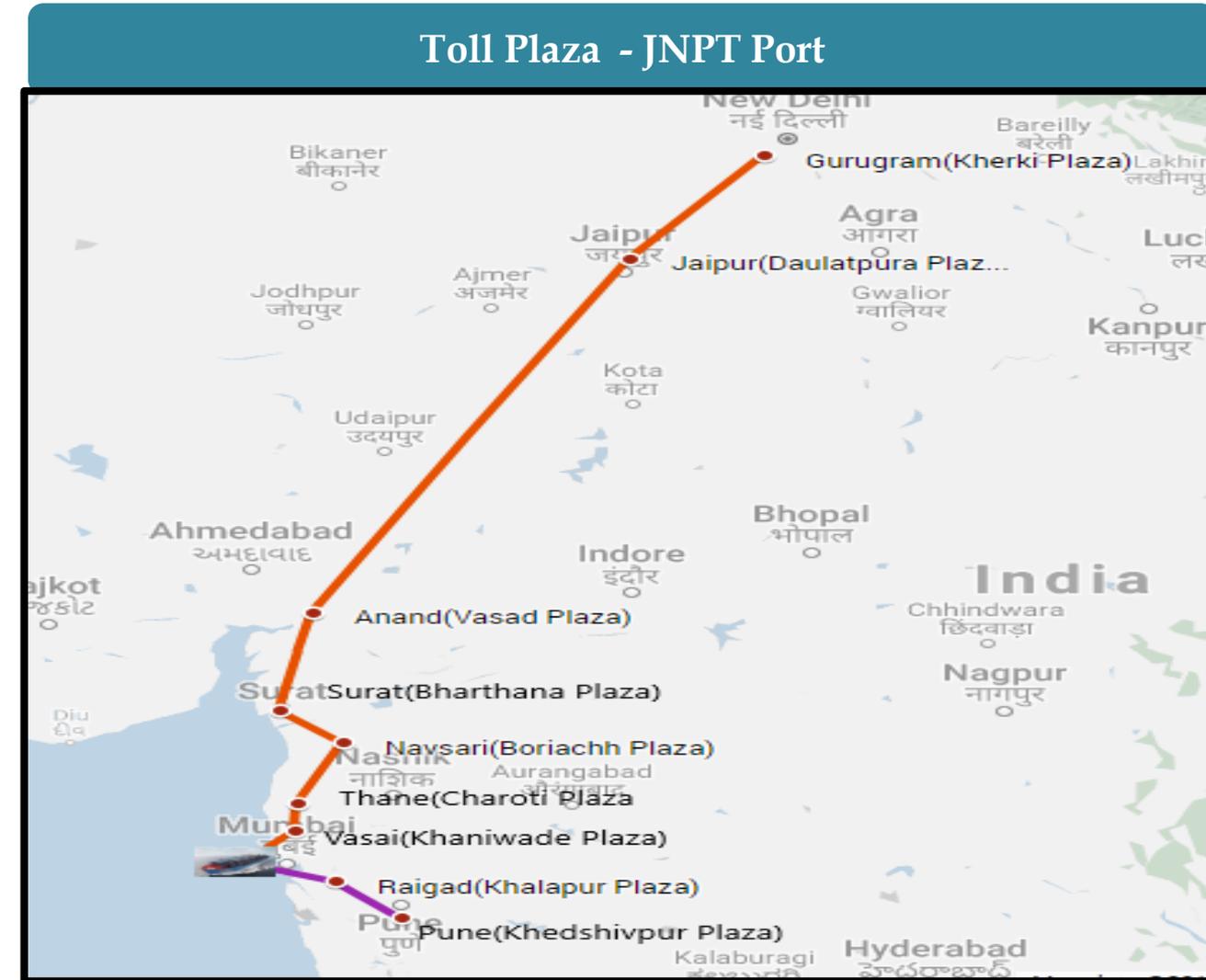
Region	April'21
Vadodra Route	34%
Ratlam Route	25%
Wardha Route	16%
Kota Route	17%
Bhopal Route	8%

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)	Mar'21 (in km/hrs)	Apr'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.4	15.8
	JNPT	Khalapur	60	11.8	7.4
	Khaniwade	Charoti	50	37.9	38.3
	Charoti	Boriach	126	28.7	27.7
	Boriach	Bharthan	142	33.0	34.2
	Bharthan	Vasad	60	38.8	40.0
	Khalalpur	Khedshivpur	105	30.6	32.1
	Daulatpura	Kherki	199	15.1	-



Export Cycle Analysis

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

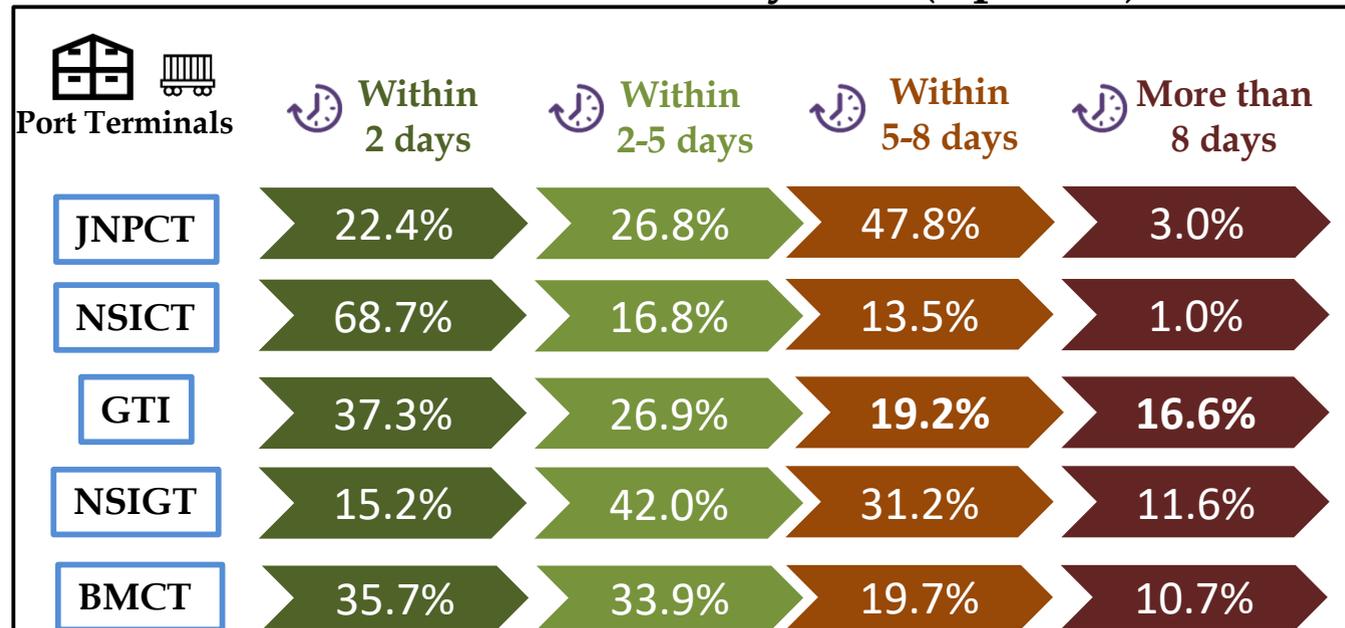
PORT EXPORT via TRAIN

(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	March'21 (in hrs)	April'21 (in hrs)
JNPCT	92.3	121.1
NSICT	21.1	16.7
GTI	78.7	78.4
NSIGT	108.2	109.3
BMCT	70.7	83.0

Container Handled: Day wise (April'21)



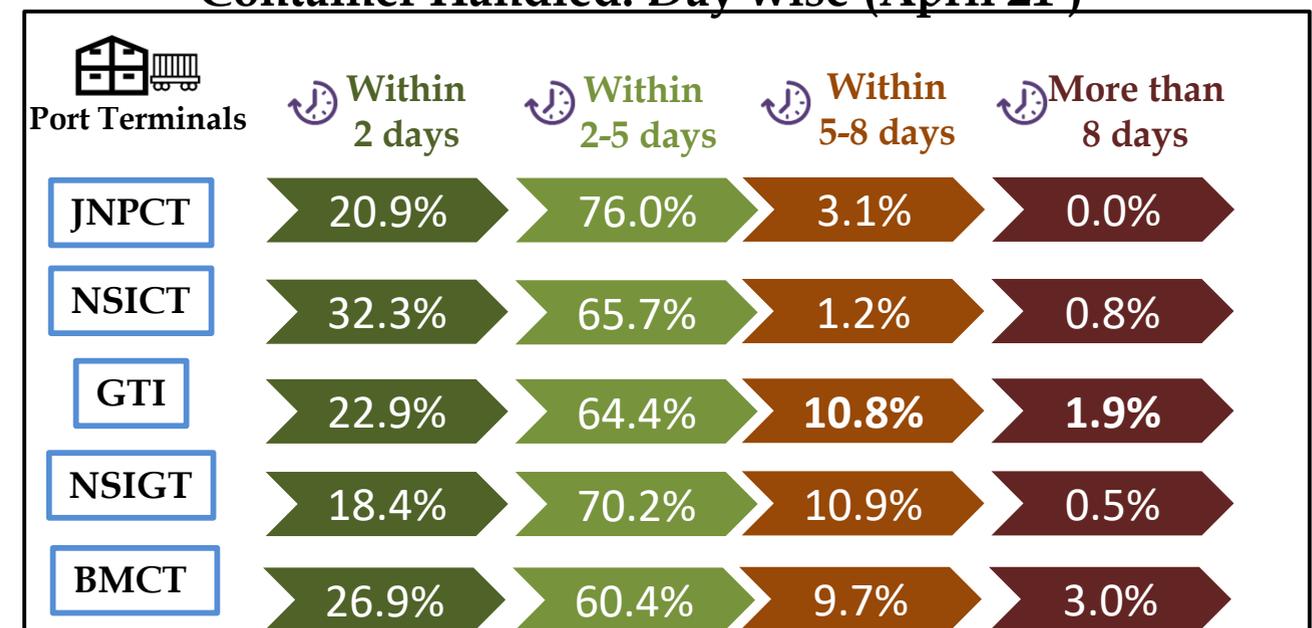
PORT EXPORT via TRUCK

(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	March'21 (in hrs)	April'21 (in hrs)
JNPCT	76.4	69.2
NSICT	72.8	66.1
GTI	71.2	77.1
NSIGT	84.9	82.8
BMCT	74.0	72.6

Container Handled: Day wise (April'21)



The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for April'21

JNPCT		
Port Dwell time based on transit type		
April'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	71.8 hrs	65.2 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	70.4 hrs	65.5 hrs

GTI		
Port Dwell time based on transit type		
April'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	79.8 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	71.2 hrs	69.7 hrs

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for April'21

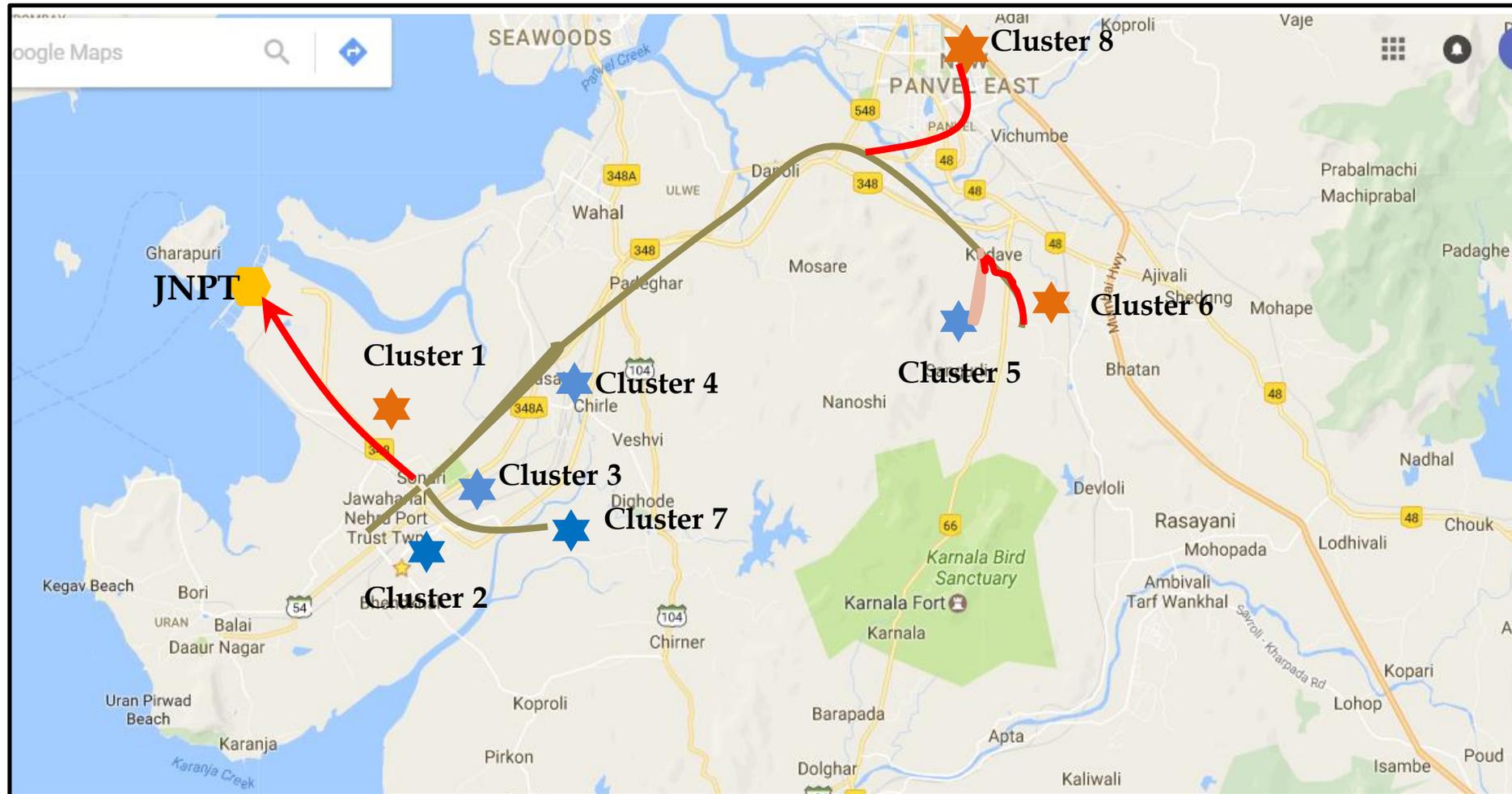
NSICT		
Port Dwell time based on transit type		
April'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	68.0 hrs	64.7 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	64.0 hrs	42.0 hrs

NSIGT		
Port Dwell time based on transit type		
April'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	87.4 hrs	76.1 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	83.2 hrs	61.3 hrs

BMCT		
Port Dwell time based on transit type		
April'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	71.9 hrs
Port Dwell time based on container type		
April'21	Laden Containers	Empty Containers
Dwell time (in hrs)	72.2 hrs	75.4 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of April'21



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 8	Taloja, Navi Mumbai

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 7	Patilpada area, Khopate JNPT 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

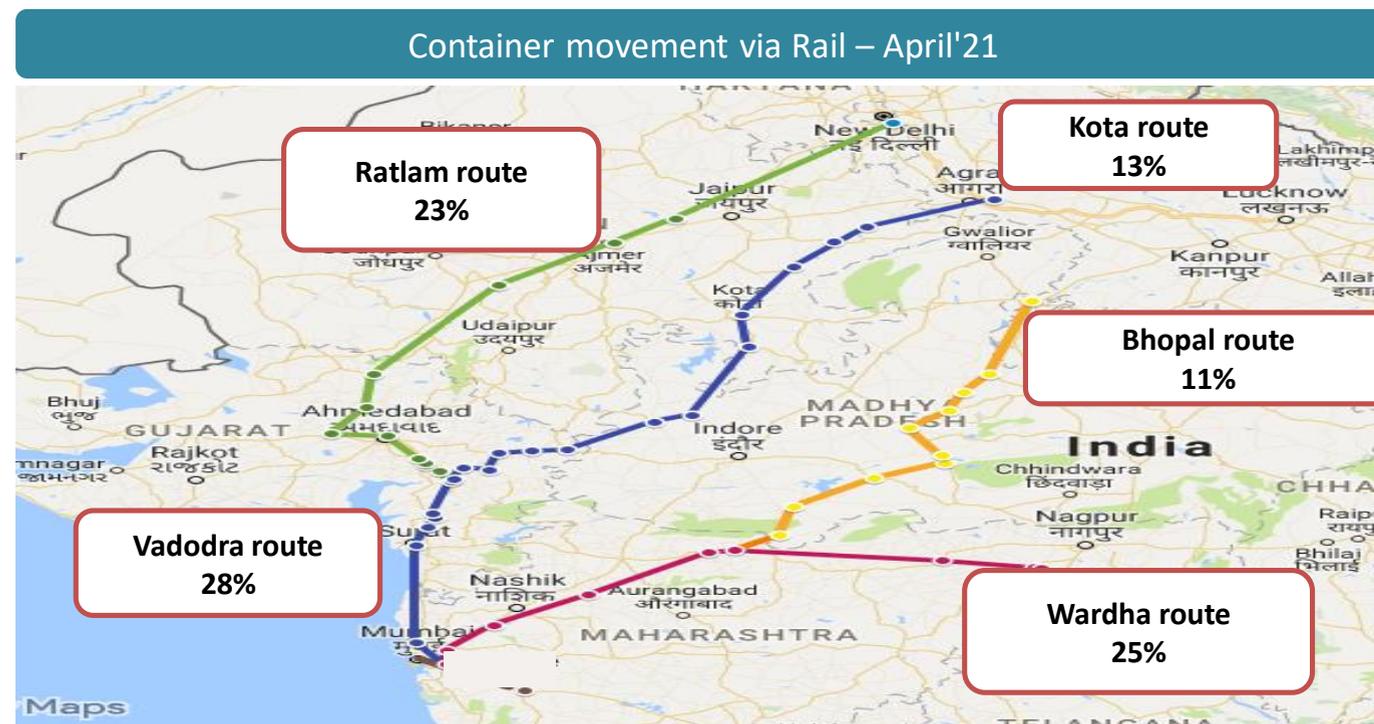
Congestion Level

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

JNPT Port	
Route	Percentage of Container Movement
Vadodra Route	28%
Ratlam Route	23%
Wardha Route	25%
Kota Route	13%
Bhopal Route	11%

The map shows the volume wise container movement through different railway routes in export cycle for April'21



CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

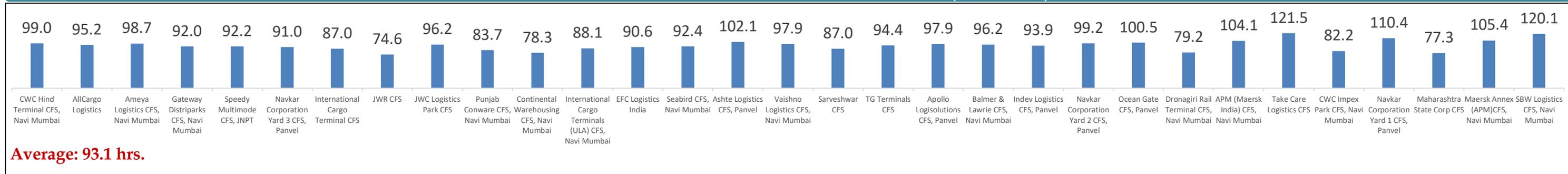
Below table and graphs show the dwell time of the respective CFSs for the month of April'21

CFS Dwell Time (in hrs.)

CFS	Mar'21 (in hrs)	Apr'21 (in hrs)
CWC Hind Terminal CFS, Navi Mumbai	100.61	98.96
AllCargo Logistics	84.67	95.25
Ameya Logistics CFS, Navi Mumbai	98.02	98.67
Gateway Distriparks CFS, Navi Mumbai	79.25	91.97
Speedy Multimode CFS, JNPT	89.13	92.24
Navkar Corporation Yard 3 CFS, Panvel	95.77	91.00
International Cargo Terminal CFS	85.64	86.99
JWR CFS	80.38	74.61
JWC Logistics Park CFS	80.69	96.25
Punjab Conware CFS, Navi Mumbai	85.95	83.72
Continental Warehousing CFS, Navi Mumbai	73.13	78.27
International Cargo Terminals (ULA) CFS, Navi Mumbai	79.64	88.13
EFC Logistics India	80.47	90.65
Seabird CFS, Navi Mumbai	91.48	92.39
Ashte Logistics CFS, Panvel	92.76	102.12
Vaishno Logistics CFS, Navi Mumbai	93.09	97.89

CFS	Mar'21 (in hrs)	Apr'21 (in hrs)
Sarveshwar CFS	88.01	86.97
TG Terminals CFS	79.92	94.40
Apollo Logisolutions CFS, Panvel	87.17	97.89
Balmer & Lawrie CFS, Navi Mumbai	79.60	96.23
Indev Logistics CFS, Panvel	96.62	93.91
Navkar Corporation Yard 2 CFS, Panvel	107.68	99.24
Ocean Gate CFS, Panvel	89.28	100.55
Dronagiri Rail Terminal CFS, Navi Mumbai	74.76	79.20
APM (Maersk India) CFS, Navi Mumbai	95.76	104.13
Take Care Logistics CFS	124.54	121.55
CWC Impex Park CFS, Navi Mumbai	85.30	82.21
Navkar Corporation Yard 1 CFS, Panvel	98.23	110.38
Maharashtra State Corp CFS	92.78	77.25
Maersk Annex (APM)CFS, Navi Mumbai	94.04	105.37
SBW Logistics CFS, Navi Mumbai	118.90	120.05

CFS - DWELL OVERVIEW - APRIL'21 (IN HRS)

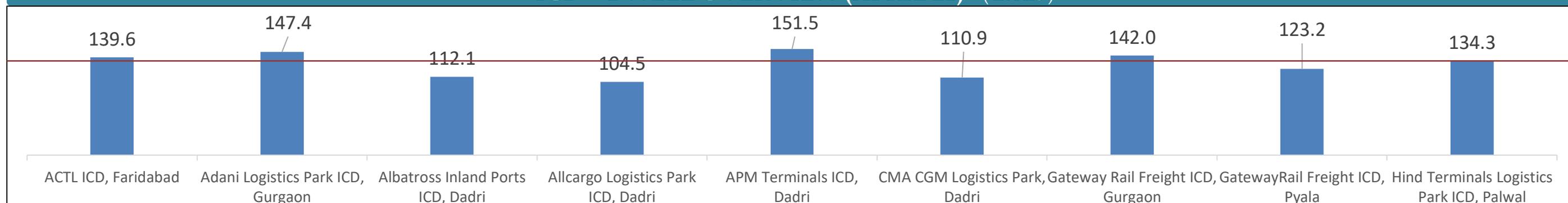


ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Mar'21 (in hrs)	Apr'21 (in hrs)
ACTL ICD, Faridabad	134.7	139.6
Adani Logistics Park ICD, Gurgaon	146.6	147.4
Albatross Inland Ports ICD, Dadri	103.9	112.1
Allcargo Logistics Park ICD, Dadri	100.7	104.5
APM Terminals ICD, Dadri	118.4	151.5
CMA CGM Logistics Park, Dadri	104.5	110.9
Gateway Rail Freight ICD, Gurgaon	130.5	142.0
GatewayRail Freight ICD, Pyala	149.0	123.2
Hind Terminals Logistics Park ICD, Palwal	161.3	134.3

ICD - DWELL OVERVIEW (APRIL'21) (In Hrs)



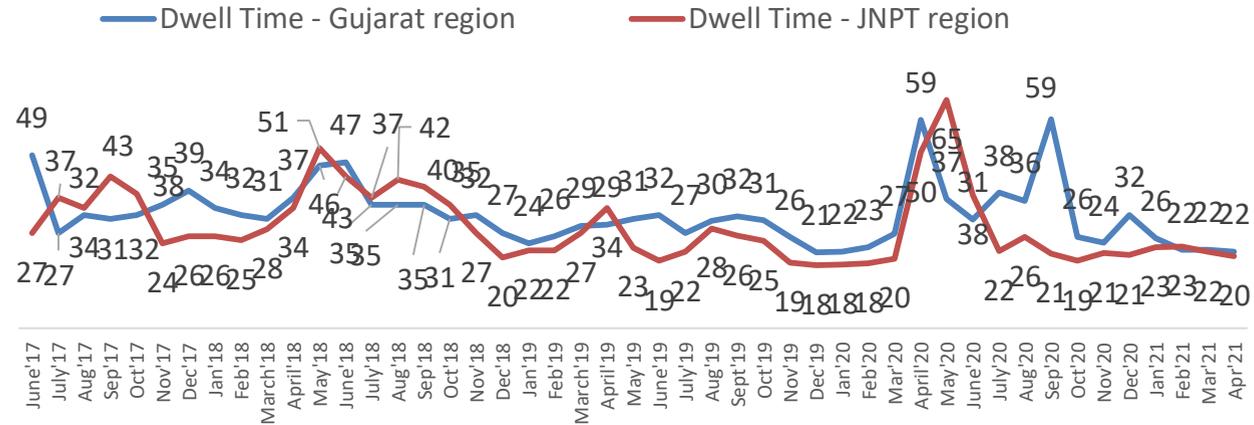
Avg. 135.7 hrs.

Trend Analysis

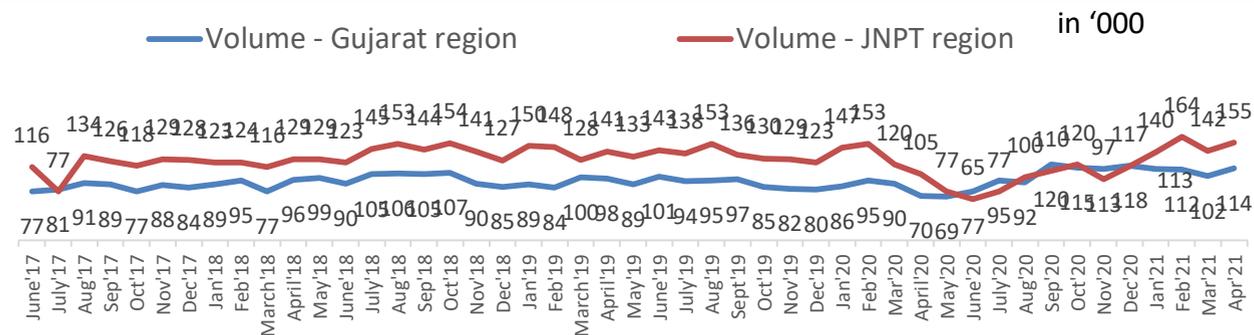
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until April'21

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



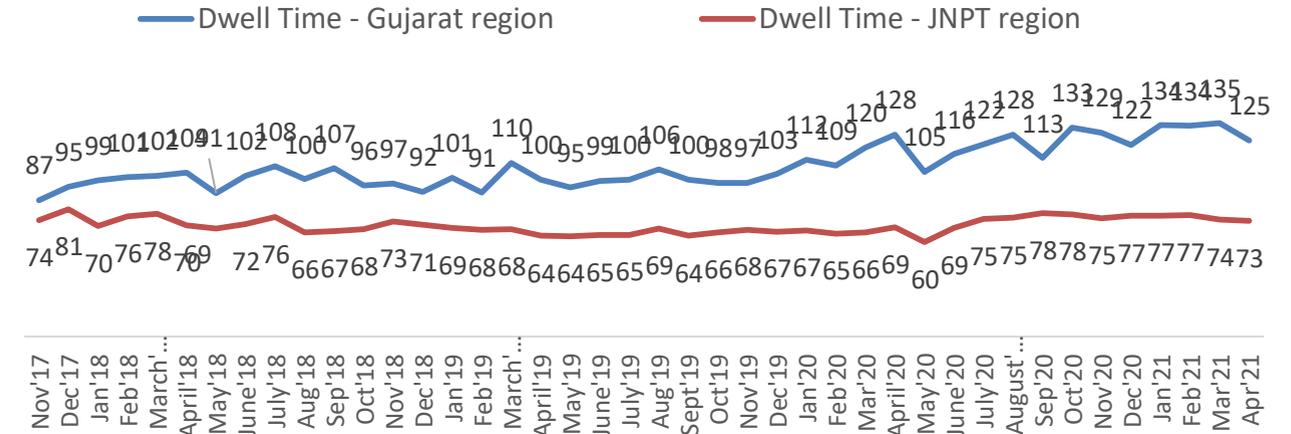
Volume – Gujarat Region Vs JNPT Region



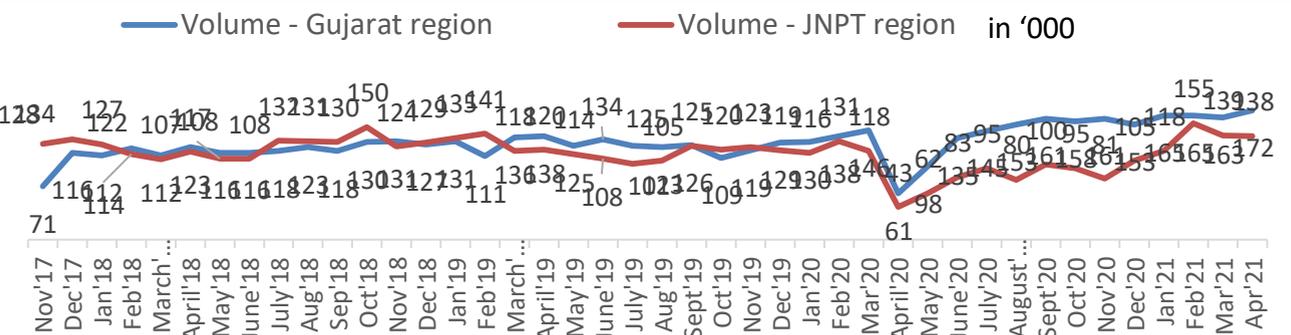
In Import cycle, for the month of April'21 APSEZ port has catered 36% less volume than JNPT Port, and has maintained 6% higher dwell time than JNPT Port.

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



Volume – Gujarat Region Vs JNPT Region

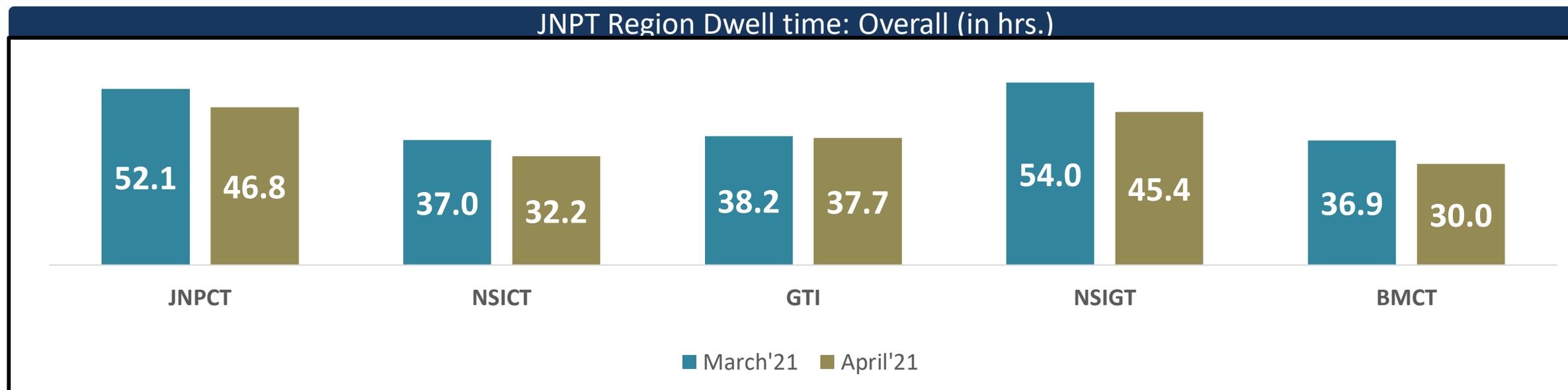


In Export cycle, for the month April'21 JNPT port catered 20% less volume than APSEZ Port, and has maintained 41% lower dwell time than APSEZ Port

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

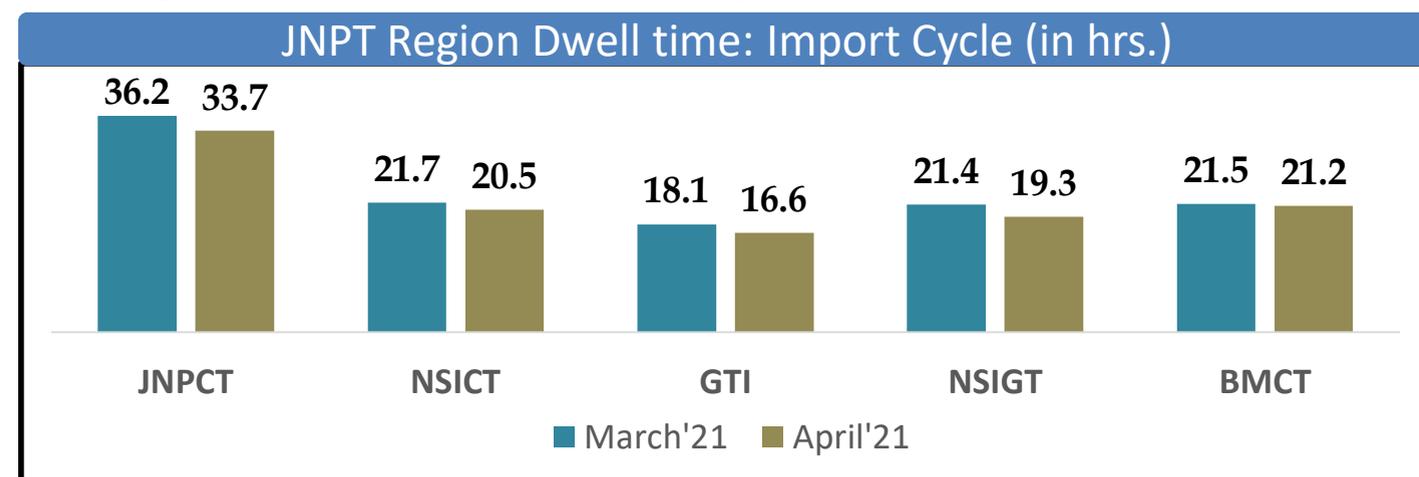


The overall JNPT region average dwell time for Apr'21 is 37.8 hrs as compared to 41.6 hrs in Mar'21

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of April'21

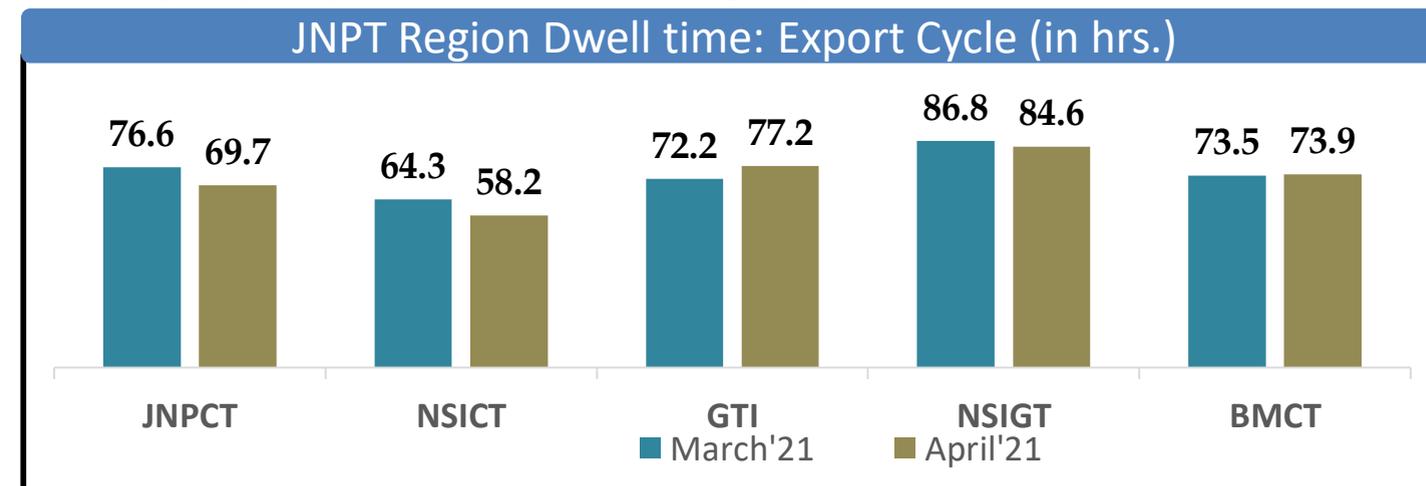
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for April'21 is 20.3 hrs.



JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for April'21 is 73.4 hrs.

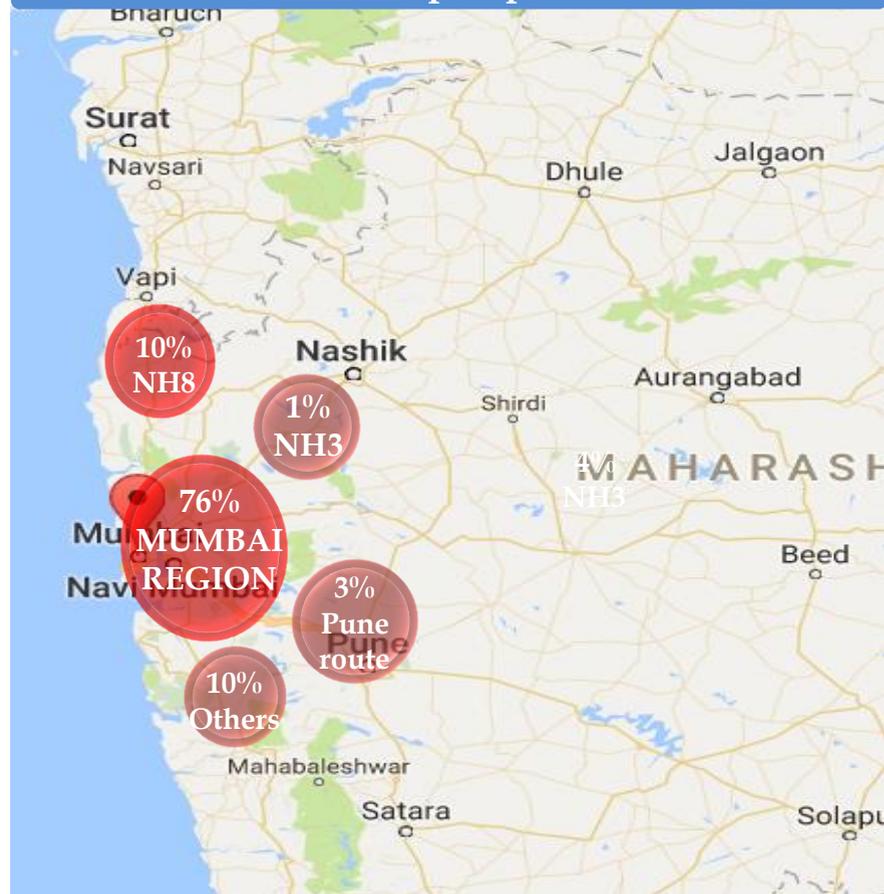


ANNEXURE

Container movement around JNPT Port terminal region via Truck

HEAT MAP : GTI Port Terminal

Heat Map : April'21

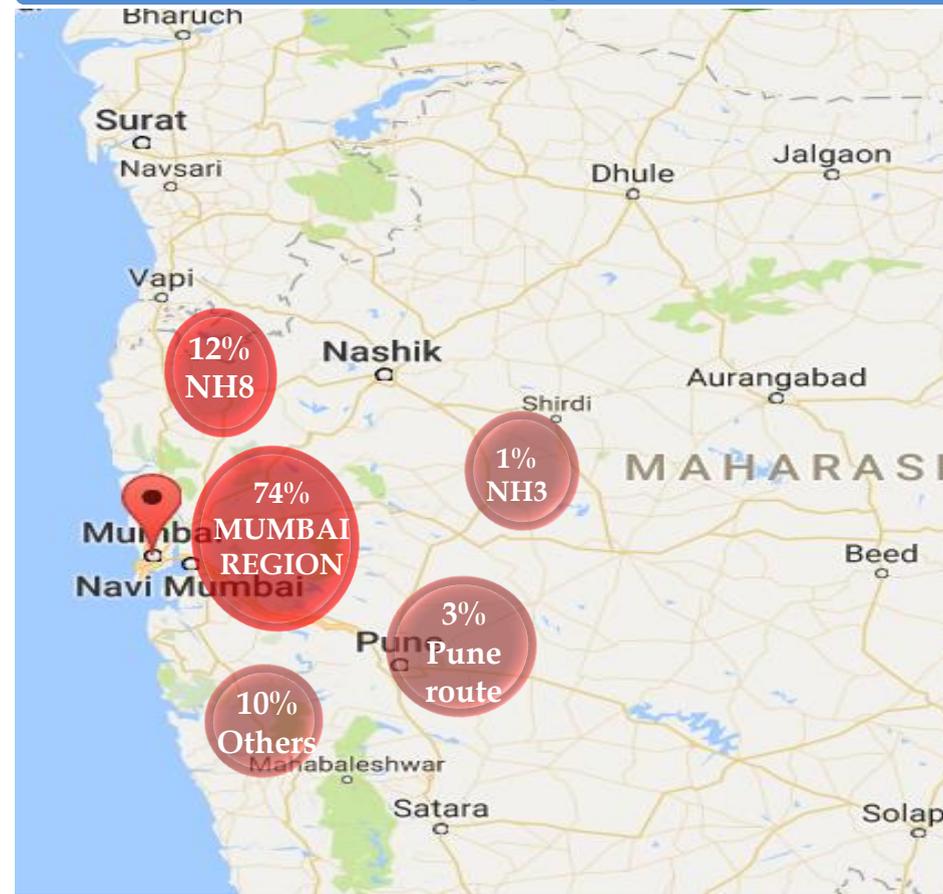


Region	Mar'21	Apr'21
Mumbai region	74%	76%
NH3	1%	1%
Pune	4%	3%
NH8	11%	10%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal

Heat Map : April'21

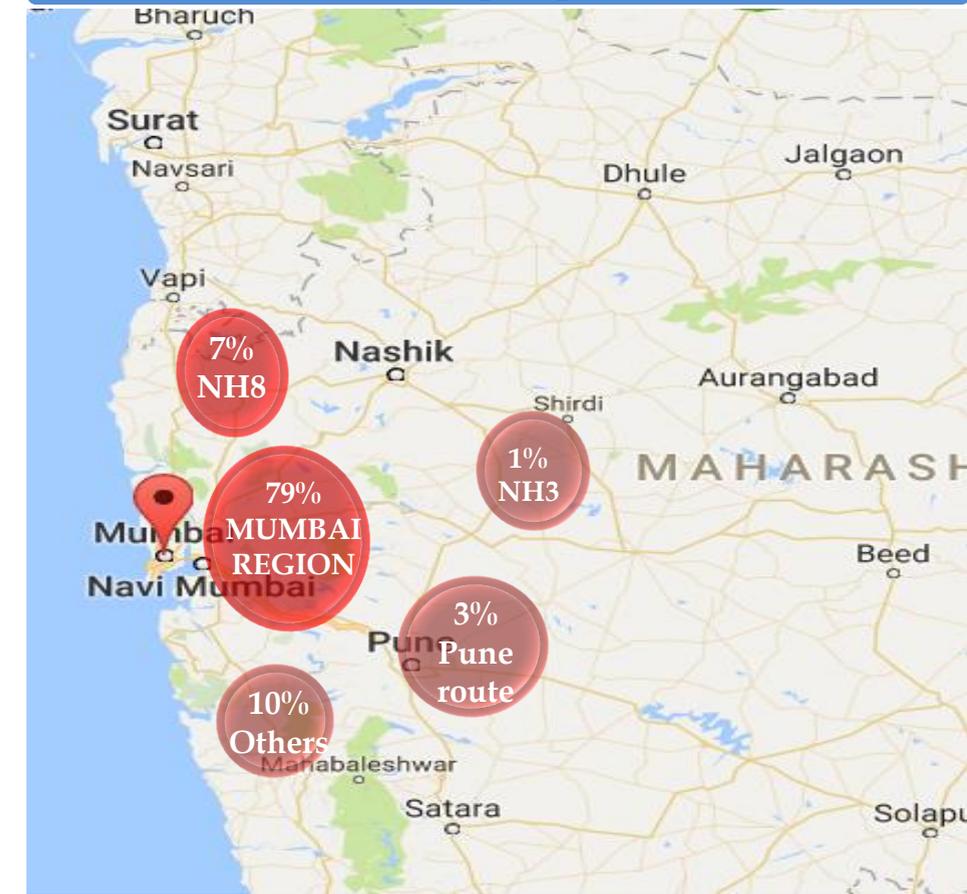


Region	Mar'21	Apr'21
Mumbai region	73%	74%
NH3	1%	1%
Pune	3%	3%
NH8	13%	12%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal

Heat Map : April'21



Region	Mar'21	Apr'21
Mumbai region	77%	79%
NH3	1%	1%
Pune	4%	3%
NH8	8%	7%
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	Mar'21	Apr'21
Mumbai region	77%	76%
NH3	1%	1%
Pune	3%	3%
NH8	9%	10%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Mar'21	Apr'21
Mumbai region	69%	68%
NH3	1%	1%
Pune	4%	5%
NH8	16%	15%
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 April'21					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.9	1.9	2.0	2.9	3.4
Punjab Conware CFS, Navi Mumbai	1.8	1.8	2.3	2.8	2.7
JWC Logistics Park CFS	3.0	3.1	3.6	3.8	4.0
CWC Hind Terminal CFS, Navi Mumbai	3.8	1.8	3.0	2.5	2.3
Dronogiri Rail Terminal CFS, Navi Mumbai	2.0	2.0	1.5	2.6	2.5
Navkar Corporation Yard 2 CFS, Panvel	5.7	7.3	5.5	5.7	5.4
Vaishno Logistics CFS, Navi Mumbai	2.5	2.5	2.3	2.7	3.2
Speedy Multimode CFS, JNPT	2.2	1.7	1.8	2.2	2.8
Balmer & Lawrie CFS, Navi Mumbai	3.9	2.5	2.8	4.3	3.3
Navkar Corporation Yard 3 CFS, Panvel	3.9	6.0	5.3	5.8	6.8
Ashte Logistics CFS, Panvel	3.0	2.8	3.3	3.2	4.1
Continental Warehousing CFS, Navi Mumbai	1.9	1.5	1.6	1.8	3.5
SBW Logistics CFS, Navi Mumbai	6.8	6.9	6.2	7.0	7.1
Maharashtra State Corp CFS	2.0	1.8	1.5	2.4	4.0
Internation Cargo Terminal CFS	3.3	2.4	2.1	2.6	2.7
Seabird CFS, Navi Mumbai	3.9	1.9	2.0	3.5	2.7
Apollo Logisolutions CFS, Panvel	4.5	4.8	3.9	4.0	3.8
Ameya Logistics CFS, Navi Mumbai	2.4	2.3	2.4	3.2	3.9
Transindia Logistics Park, Navi Mumbai	2.0	2.1	2.2	2.3	3.9
Ocean Gate CFS, Panvel	3.2	3.1	3.0	3.7	4.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9	2.3	2.3	3.3	3.2
Indev Logistics CFS, Panvel	3.4	3.6	2.9	2.6	3.4
CWC Dronagiri CFS, Navi Mumbai	2.3	1.7	2.0	2.5	2.9
APM (Maersk India) CFS, Navi Mumbai	1.4	1.9	1.4	1.4	2.1

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	Apr'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	1.0
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.9
Indev Logistics CFS, Panvel	3.5
Navkar Corporation Yard 3 CFS, Panvel	3.6
Seabird CFS, Navi Mumbai	1.3
Balmer & Lawrie CFS, Navi Mumbai	1.7
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	0.6
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	0.9
Navkar Corporation Yard 1 CFS, Panvel	4.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6
Maersk Annex (APM)CFS, Navi Mumbai	1.2
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	2.9
Navkar Corporation Yard 2 CFS, Panvel	3.5
Punjab Conware CFS, Navi Mumbai	1.5
Vaishno Logistics CFS, Navi Mumbai	1.8
JWC Logistics Park CFS	4.1
SBW Logistics CFS, Navi Mumbai	3.8
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	9.9

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	Apr'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.8
APM (Maersk India) CFS, Navi Mumbai	1.1
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	3.4
Indev Logistics CFS, Panvel	3.5
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	1.2
Balmer & Lawrie CFS, Navi Mumbai	1.3
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.2
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.1
Navkar Corporation Yard 1 CFS, Panvel	4.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6
Maersk Annex (APM)CFS, Navi Mumbai	1.5
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	3.6
Navkar Corporation Yard 2 CFS, Panvel	4.4
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.6
JWC Logistics Park CFS	6.0
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	2.7
Maharashtra State Corp CFS	1.0

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	Apr'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.1
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.4
Transindia Logistics Park, Navi Mumbai	5.0
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	6.6
Seabird CFS, Navi Mumbai	1.4
Balmer & Lawrie CFS, Navi Mumbai	1.4
Ashte Logistics CFS, Panvel	4.2
Continental Warehousing CFS, Navi Mumbai	0.8
CWC Hind Terminal CFS, Navi Mumbai	1.7
Dronogiri Rail Terminal CFS, Navi Mumbai	1.4
Navkar Corporation Yard 1 CFS, Panvel	5.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6
Maersk Annex (APM)CFS, Navi Mumbai	1.5
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	3.3
Navkar Corporation Yard 2 CFS, Panvel	6.1
Punjab Conware CFS, Navi Mumbai	2.5
Vaishno Logistics CFS, Navi Mumbai	3.0
JWC Logistics Park CFS	6.7
SBW Logistics CFS, Navi Mumbai	10.8
Ocean Gate CFS, Panvel	3.4
Maharashtra State Corp CFS	19.6

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	Apr'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.3
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.8
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	5.4
Seabird CFS, Navi Mumbai	1.2
Balmer & Lawrie CFS, Navi Mumbai	1.5
Ashte Logistics CFS, Panvel	3.3
Continental Warehousing CFS, Navi Mumbai	0.7
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.2
Navkar Corporation Yard 1 CFS, Panvel	5.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.5
Maersk Annex (APM)CFS, Navi Mumbai	1.2
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	3.3
Navkar Corporation Yard 2 CFS, Panvel	5.3
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	5.5
SBW Logistics CFS, Navi Mumbai	3.5
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	10.3

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	Apr'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	1.2
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	4.2
Seabird CFS, Navi Mumbai	1.4
Balmer & Lawrie CFS, Navi Mumbai	1.4
Ashte Logistics CFS, Panvel	3.5
Continental Warehousing CFS, Navi Mumbai	0.8
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.1
Navkar Corporation Yard 1 CFS, Panvel	4.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	1.7
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	5.3
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	1.9
JWC Logistics Park CFS	5.8
SBW Logistics CFS, Navi Mumbai	3.6
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	3.7

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 Apr'21				
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	1.0	1.7
Cluster 2	6	13	1.6	2.1
Cluster 3	6	11	1.4	1.9
Cluster 4	1	13	1.8	2.5
Cluster 5	2	25	3.6	3.1
Cluster 6	6	25	3.5	4.8
Cluster 7	4	12	2.1	2.1
Cluster 8	1	34	3.8	6.9

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Apr'21				
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	1.0	2.2
Cluster 2	6	13	1.6	3.1
Cluster 3	6	11	1.2	2.0
Cluster 4	1	13	2.6	2.5
Cluster 5	2	25	4.3	3.1
Cluster 6	6	25	3.8	3.9
Cluster 7	4	12	2.2	2.0
Cluster 8	1	34	3.7	6.8

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 Apr'21

NSIGT terminal for month of Apr'21

BMCT terminal for month of Apr'21

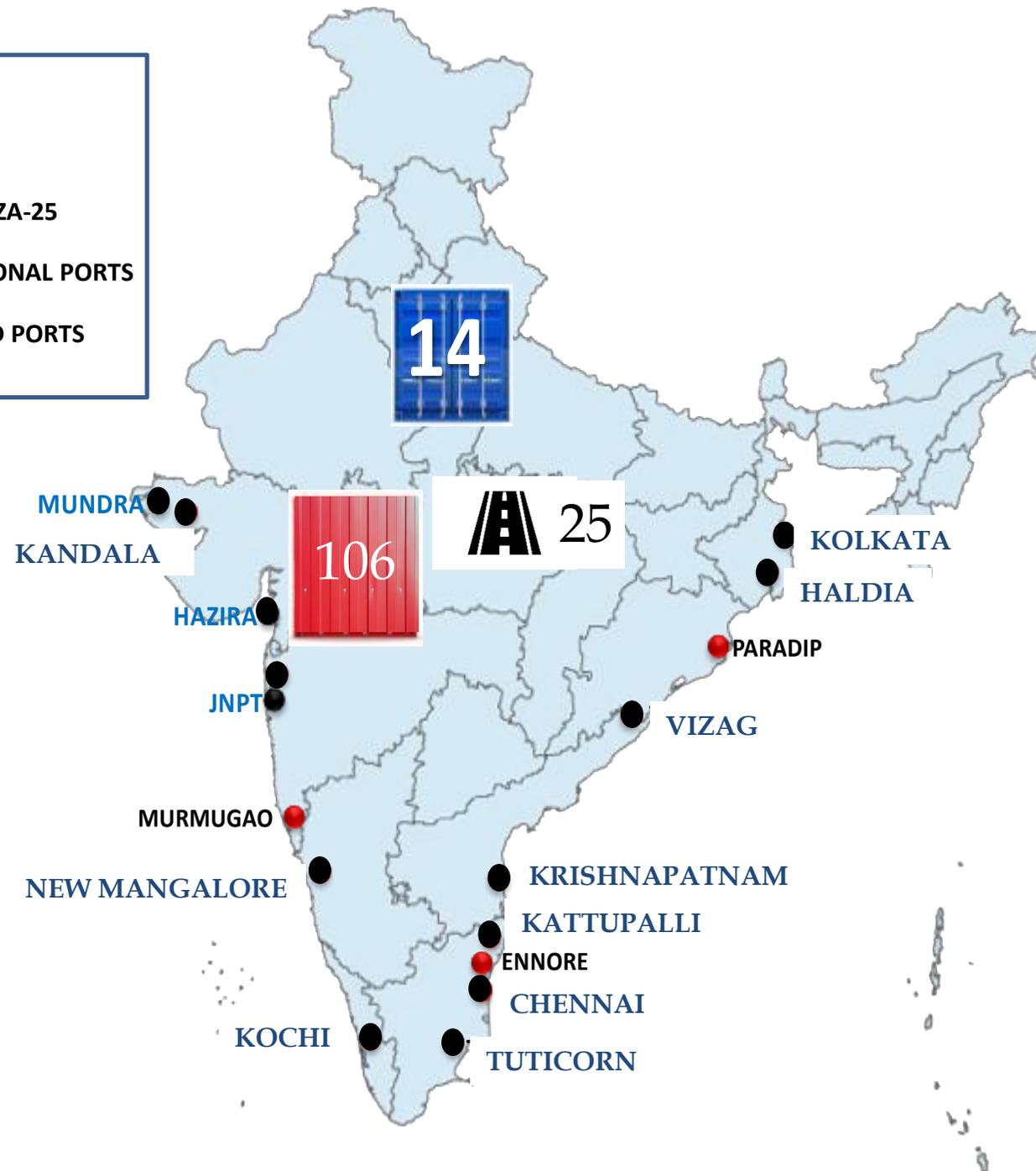
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.0	1.8
Cluster 2	6	13	1.6	2.2
Cluster 3	6	11	2.0	1.8
Cluster 4	1	13	3.0	0.0
Cluster 5	2	25	5.1	3.3
Cluster 6	6	25	4.8	3.9
Cluster 7	4	12	2.4	2.2
Cluster 8	1	34	10.8	6.2

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	1.0	2.2
Cluster 2	6	13	1.5	2.7
Cluster 3	6	11	2.0	2.7
Cluster 4	1	13	2.5	2.7
Cluster 5	2	25	4.2	3.7
Cluster 6	6	25	4.5	4.0
Cluster 7	4	12	1.9	2.3
Cluster 8	1	34	3.5	7.0

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	1.0	2.8
Cluster 2	6	13	1.7	3.0
Cluster 3	6	11	2.0	2.7
Cluster 4	1	13	1.9	3.2
Cluster 5	2	25	4.4	4.3
Cluster 6	6	25	4.0	4.1
Cluster 7	4	12	2.2	3.9
Cluster 8	1	34	3.6	7.1

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**

-  ICD- 14
-  CFS-106
-  TOLL PLAZA-25
-  OPERATIONAL PORTS
-  PLANNED PORTS



Below mentioned are all the CFS in the respective Clusters :

<p>Cluster 1 (JNPT Area)</p> <ul style="list-style-type: none"> Speedy Multimode CFS, JNPT 	<p>Cluster 3 Sonari area, JNPT road</p> <ul style="list-style-type: none"> 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 	<p>Cluster 6 (Salva apta rd area, Bangalore highway)</p> <ul style="list-style-type: none"> 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
<p>Cluster 2 (Bhendkhal area, Khopate road)</p> <ul style="list-style-type: none"> 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 	<p>Cluster 4 (Chirle area, JNPT road)</p> <ul style="list-style-type: none"> Vaishno Logistics CFS, Navi Mumbai 	<p>Cluster 7 (Patilpada area, Khopate JNPT road)</p> <ul style="list-style-type: none"> All Cargo Logistics CFS, Navi Mumbai Transindia Logistics Park, Navi Mumbai Ameya Logistics CFS, Navi Mumbai Continental Warehousing CFS, Navi Mumbai
	<p>Cluster 5 (Plaspa area, Coachi kanyakumari Highway)</p> <ul style="list-style-type: none"> JWC Logistics Park CFS Ocean Gate CFS, Panvel 	
	<p>Cluster 8 SBW</p>	

List of CFS name used in CFS Performance Index

1	CWC Hind Terminal CFS, Navi Mumbai
2	AllCargo Logistics
3	Saurashtra CFS, Mundra
4	Ameya Logistics CFS, Navi Mumbai
5	Adani CFS, Hazira
6	Gateway Distriparks CFS, Navi Mumbai
7	Speedy Multimode CFS, JNPT
8	Navkar Corporation Yard 3 CFS, Panvel
9	International Cargo Terminal CFS
10	JWR CFS
11	MICT CFS, Mundra
12	JWC Logistics Park CFS
13	Adani CFS Eximyard, Mundra
14	Punjab Conware CFS, Navi Mumbai
15	Continental Warehousing CFS, Navi Mumbai
16	TG Terminals CFS, Mundra
17	Ashutosh CFS, Mundra
18	CWC CFS, Mundra
19	International Cargo Terminals (ULA) CFS, Navi Mumbai
20	EFC Logistics India
21	Hind Terminals Pvt. Ltd. CFS, Mundra
22	Mundhra CFS, Mundra
23	Seabird CFS, Navi Mumbai
24	Seabird CFS, Mundra

25	Ashte Logistics CFS, Panvel
26	Vaishno Logistics CFS, Navi Mumbai
27	Sarveshwar CFS
28	Hind Terminal CFS, Hazira
29	TG Terminals CFS
30	Apollo Logisolutions CFS, Panvel
31	Balmer & Lawrie CFS, Navi Mumbai
32	Seabird CFS, Hazira
33	Honey Comb CFS, Mundra
34	Rishi CFS, Mundra
35	Indev Logistics CFS, Panvel
36	Navkar Corporation Yard 2 CFS, Panvel
37	Ocean Gate CFS, Panvel
38	Dronagiri Rail Terminal CFS, Navi Mumbai
39	Transworld CFS, Mundra
40	APM (Maersk India) CFS, Navi Mumbai
41	Take Care Logistics CFS
42	CWC Impex Park CFS, Navi Mumbai
43	Navkar Corporation Yard 1 CFS, Panvel
44	Maharashtra State Corp CFS
45	A V Joshi CFS
46	Maersk Annex (APM)CFS, Navi Mumbai
47	Empezar Logistics CFS
48	SBW Logistics CFS, Navi Mumbai



THANK YOU