



Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	May'21 (in hrs)	Jun'21 (in hrs)	Port	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	31.82	32.83	JNPCT	78.51	82.55
NSICT	19.67	19.70	NSICT	70.13	64.02
GTI	15.98	16.63	GTI	81.00	77.47
NSIGT	20.17	22.12	NSIGT	94.95	98.40
BMCT/PSA	18.00	18.08	BMCT/PSA	77.02	74.26

Critical Incident Summary

Jawaharlal Nehru Port Terminals

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Jun'21	20.4 hrs	79.7 hrs	85.5 hrs	128.7 hrs
May'21	19.5 hrs	81.6 hrs	88.9 hrs	130.9 hrs

Port Dwell Time

IMPORT

Mode	May'21 (in hrs)	Jun'21 (in hrs)
Overall	26.9	25.9
Truck	22.2	20.8
Train	66.0	68.0

EXPORT

Mode	May'21 (in hrs)	Jun'21 (in hrs)
Overall	104.1	98.0
Truck	101.9	95.4
Train	116.9	111.7

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	May'21 (in hrs)	Jun'21 (in hrs)
CFS	93.0	92.0
ICD	130.9	128.7

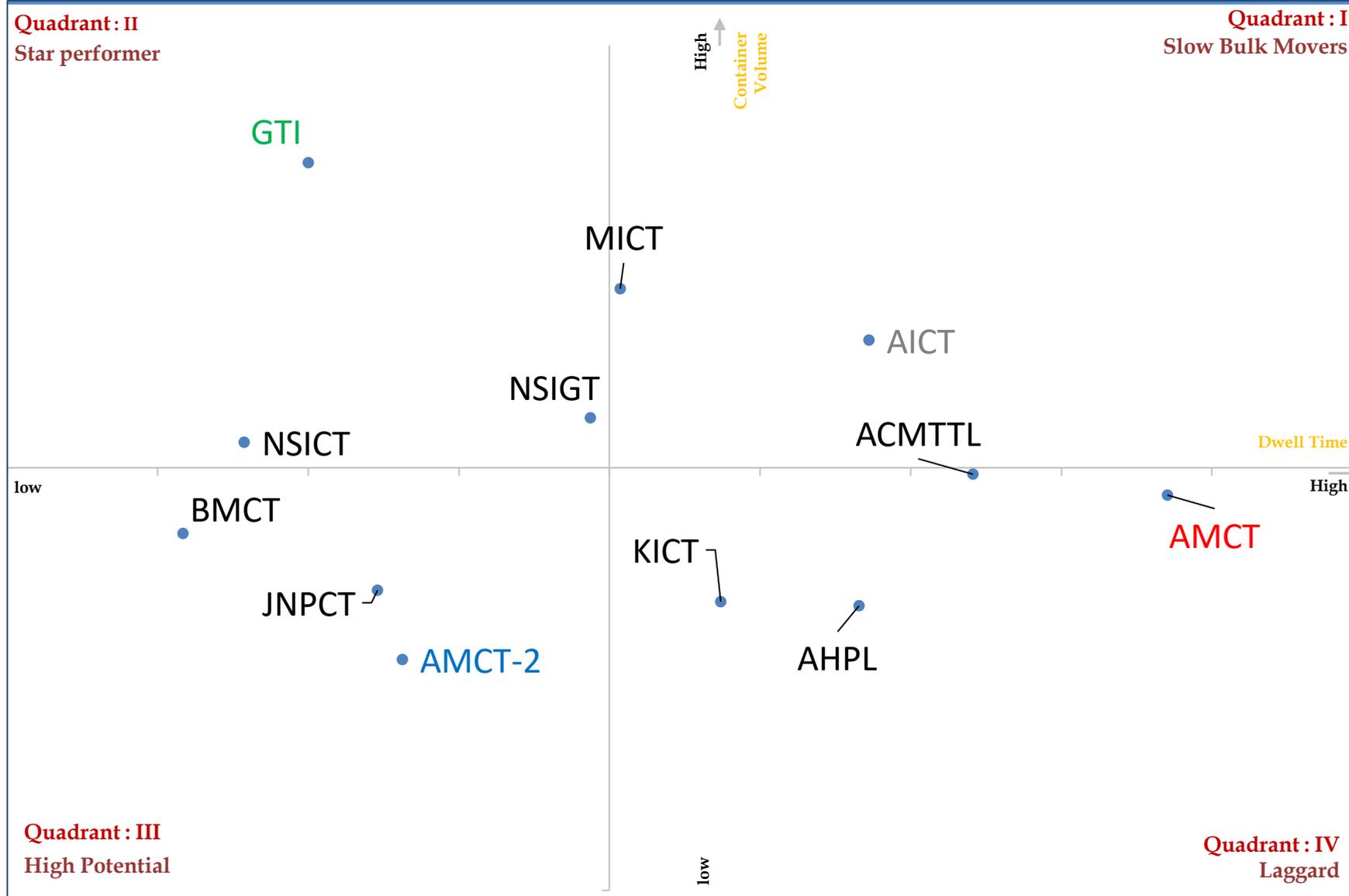
- The marked entries showcase increase in performance in comparison to May'21
- The marked entries showcase decrease in performance in comparison to May'21



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Jun'21



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

Top Performing Terminal

Gateway Terminals India (GTI)

May'21	Jun'21
39.2 Hrs	43.9 Hrs.

Low Performing Terminal

Adani Mundra Container Terminal (AMCT)

May'21	Jun'21
103.3 Hrs	108.3 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'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

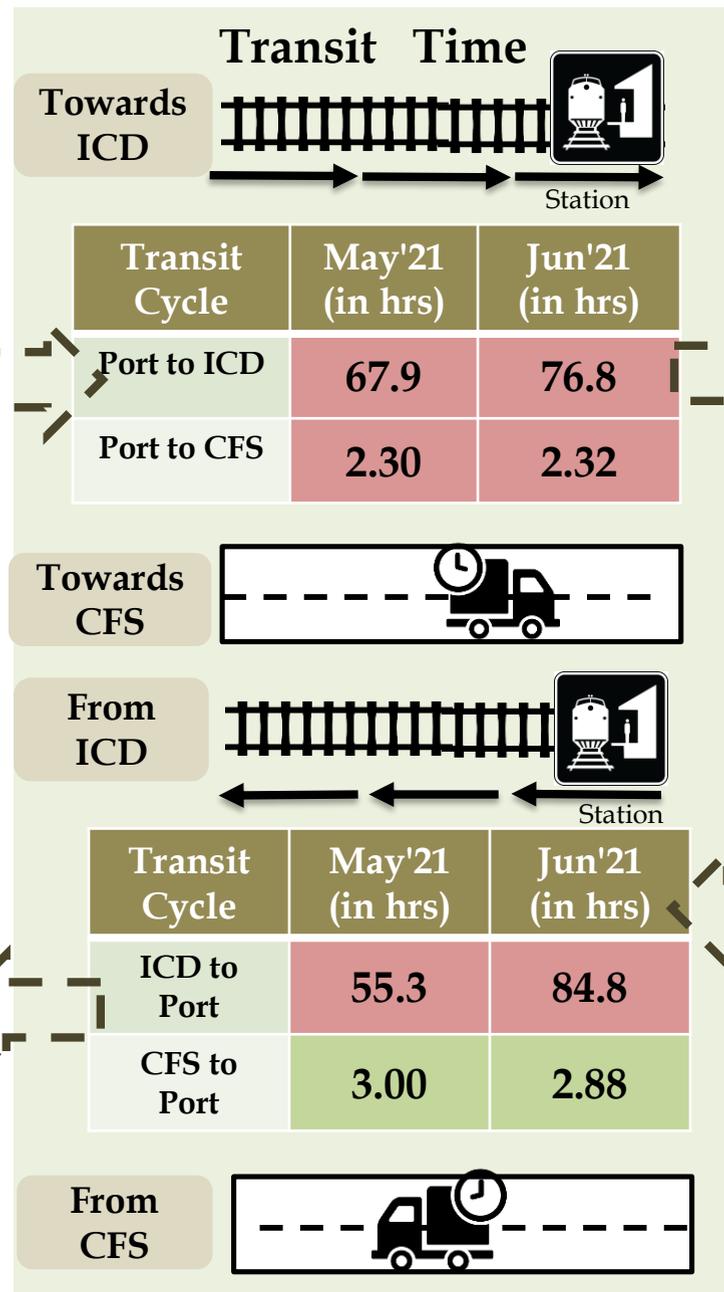
High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

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

Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	May'21 (in hrs)	Jun'21 (in hrs)
	Overall	19.5	20.4
	Truck	17.50	17.45
	Train	34.1	50.9

EXPORT	Mode	May'21 (in hrs)	Jun'21 (in hrs)
	Overall	81.6	79.7
	Truck	82.6	80.4
	Train	72.8	75.5



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

Entity	May'21 (in hrs)	Jun'21 (in hrs)
CFS	88.9	85.5
ICD	130.9	128.7

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	80%	20%
Export	75%	25%

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

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

Container Lifecycle (Export Cycle)

%IMPORT CYCLE DWELL TIME (Jun'21 - in hrs)			Compared to May'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.4	5% ↓
	Port Dwell Time for Truck Bound Containers	17.45	1% ↑
	Port Dwell time for Train Bound Containers	50.9	49% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	35.3	1% ↑
	Port Dwell time Containers bound for CFS	16.5	10% ↓
	Port Dwell for Empty Containers	29.9	6% ↑
	Port Dwell for Laden Containers	19.1	4% ↓
TRANSIT TIME	Port to ICD	76.8	13% ↓
	Port to CFS	2.32	1% ↓

EXPORT CYCLE DWELL TIME (Jun'21- in hrs)			Compared to May'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	79.7	2% ↑
	Port Dwell Time for Truck Bound Containers	80.4	3% ↑
	Port Dwell time for Train Bound Containers	75.5	4% ↓
	Port Dwell time Direct Port Entry (DPE) containers	87.7	3% ↓
	Port Dwell time Containers bound from CFS	80.3	4% ↑
	Port Dwell for Empty Containers	72.6	2% ↑
	Port Dwell for Laden Containers	79.7	2% ↓
TRANSIT TIME	ICD to Port	84.8	53% ↓
	CFS to Port	2.88	4% ↑

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

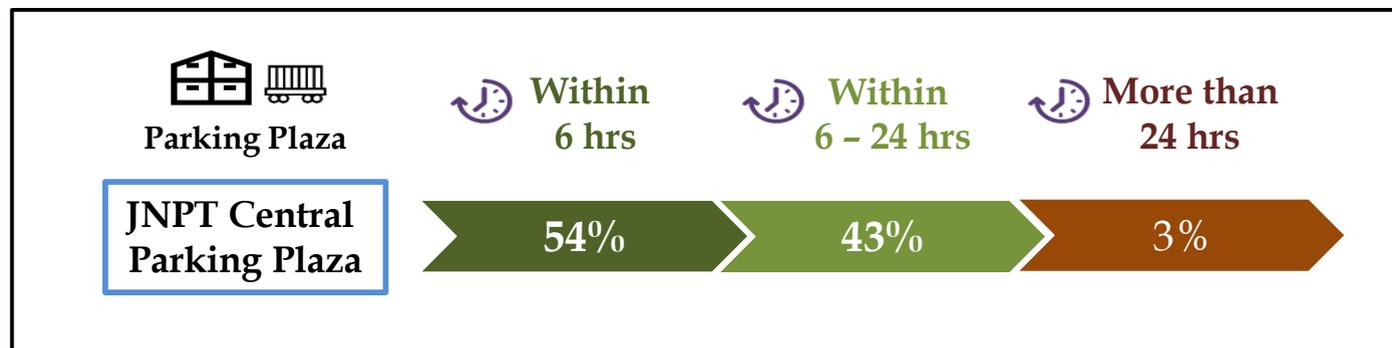
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	May'21 (in hrs)	Jun'21 (in hrs)
Overall Parking Plaza	5.2	5.6

Container Handled: Day wise (Jun'21)



Parking Plaza Gate Out - Terminal In

Mode	May'21 (in hrs)	Jun'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.10	1.09

Port	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	1.7	1.3
NSICT	0.6	0.8
GTI	1.1	0.9
NSIGT	0.9	1.0
BMCT	2.2	2.3

Container Handled: Day wise (Jun'21)





Performance Benchmarking



Top Performing CFS

AllCargo Logistics	
May'21	Jun'21
96.2 hrs	83.2 hrs ↑

Low Performing CFS

A V Joshi CFS	
May'21	Jun'21
88.5 hrs.	129.3 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'21

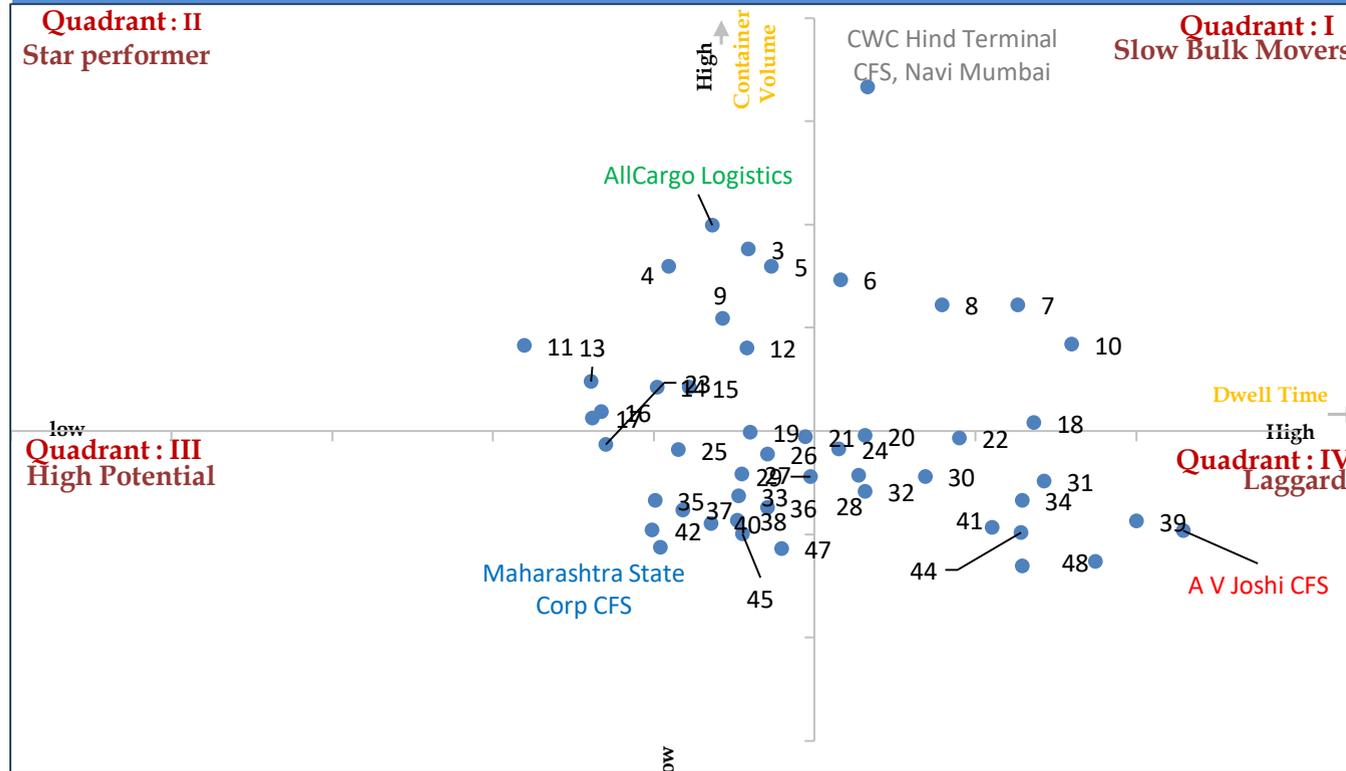
Top Performing ICD

Gateway Rail Freight ICD, Gurgaon	
May'21	Jun'21
108.5 hrs	96.1 hrs ↑

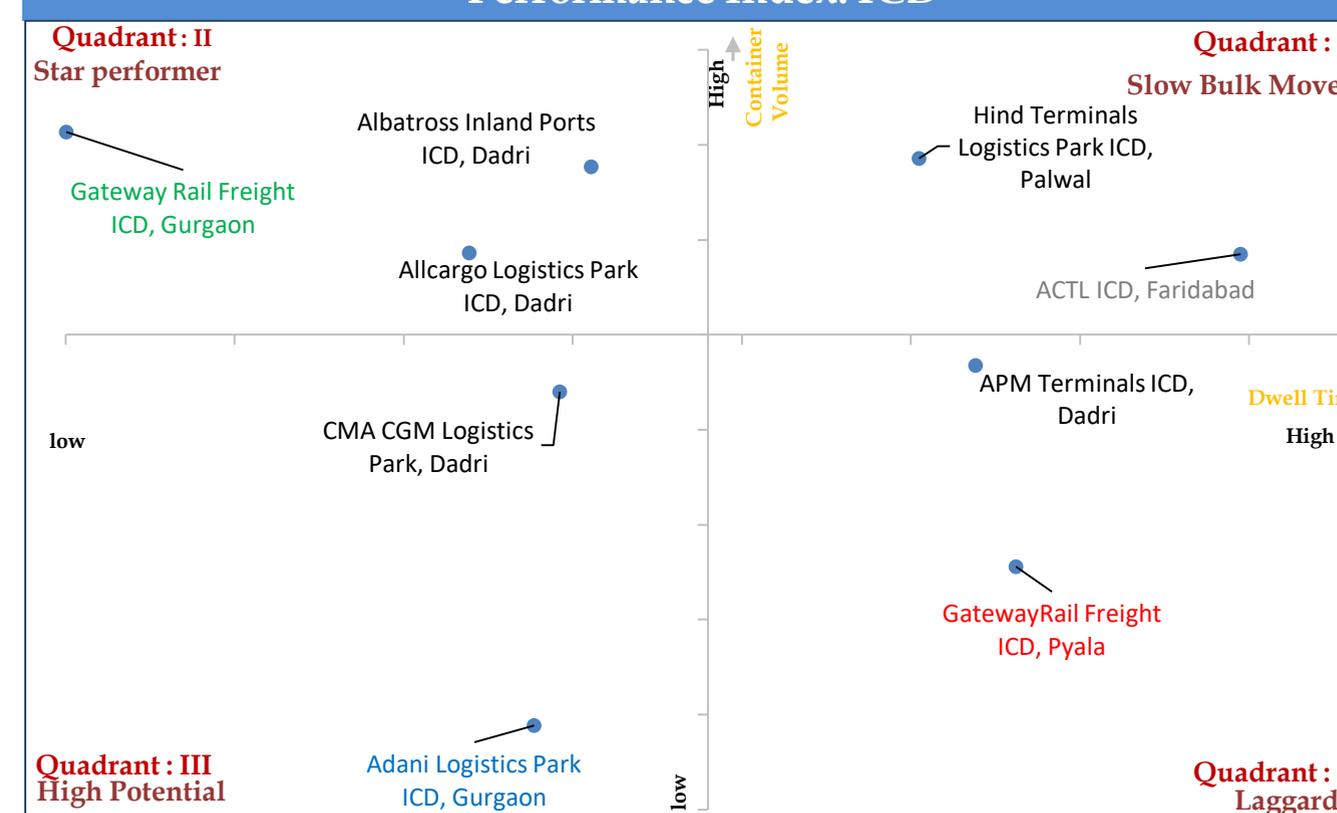
Low Performing ICD

Gateway Rail Freight ICD, Pyala	
May'21	Jun'21
149.8 hrs	136.8 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

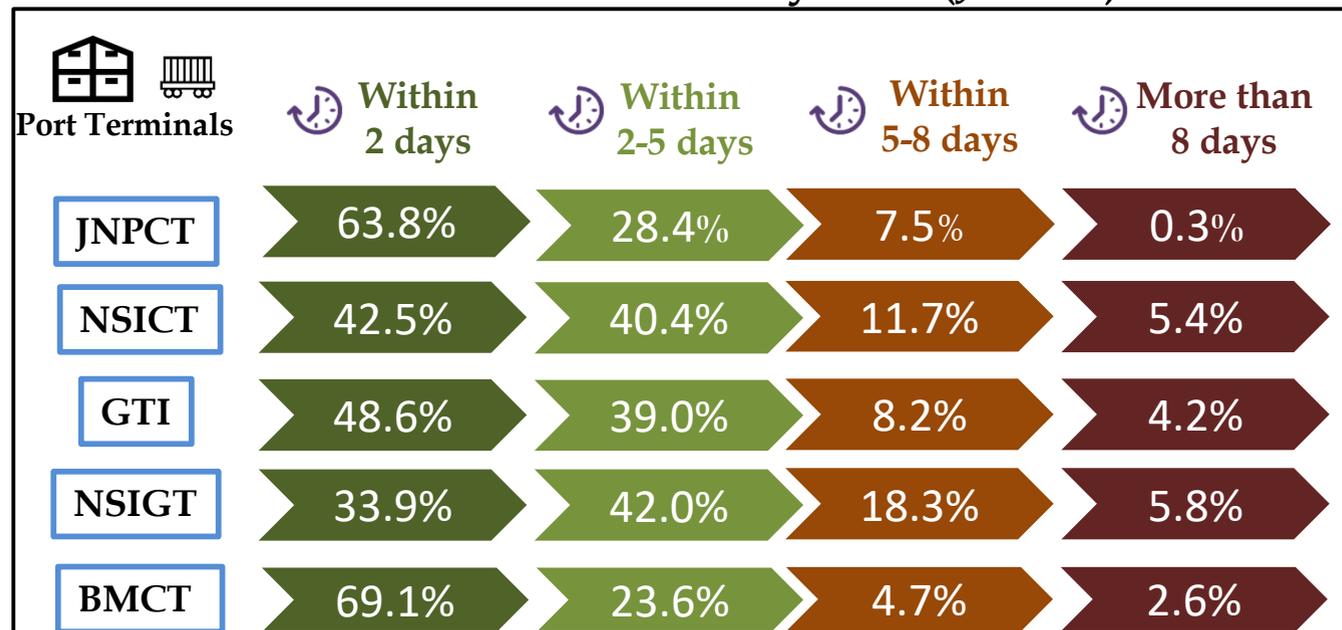
PORT IMPORT via TRAIN

(20% 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	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	33.0	39.3
NSICT	38.6	59.9
GTI	27.7	50.9
NSIGT	49.3	74.2
BMCT	30.2	31.7

Container Handled: Day wise (Jun'21)



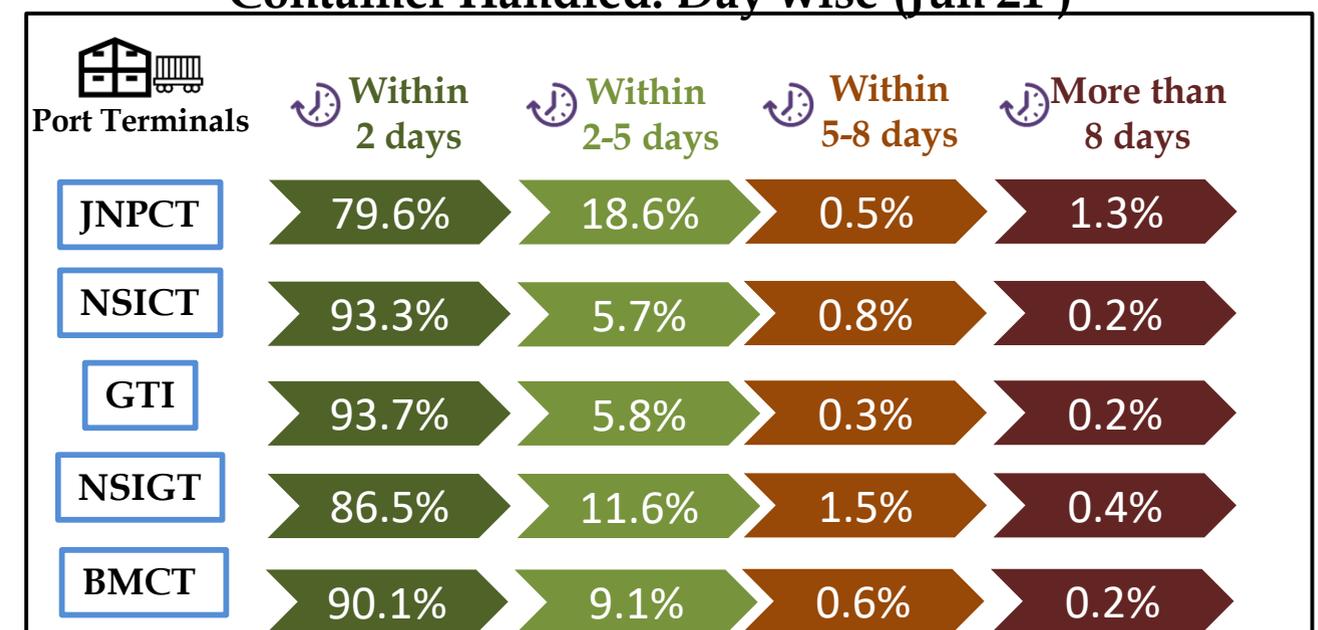
PORT IMPORT via TRUCK

(80% 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	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	31.7	31.9
NSICT	17.7	17.2
GTI	14.2	13.3
NSIGT	16.7	18.1
BMCT	16.7	16.8

Container Handled: Day wise (Jun'21)



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

JNPCT		
Port Dwell time based on transit type		
Jun'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.5 hrs	30.4 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	30.2 hrs	42.6 hrs

GTI		
Port Dwell time based on transit type		
Jun'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.3 hrs	12.9 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	16.5 hrs	24.2 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

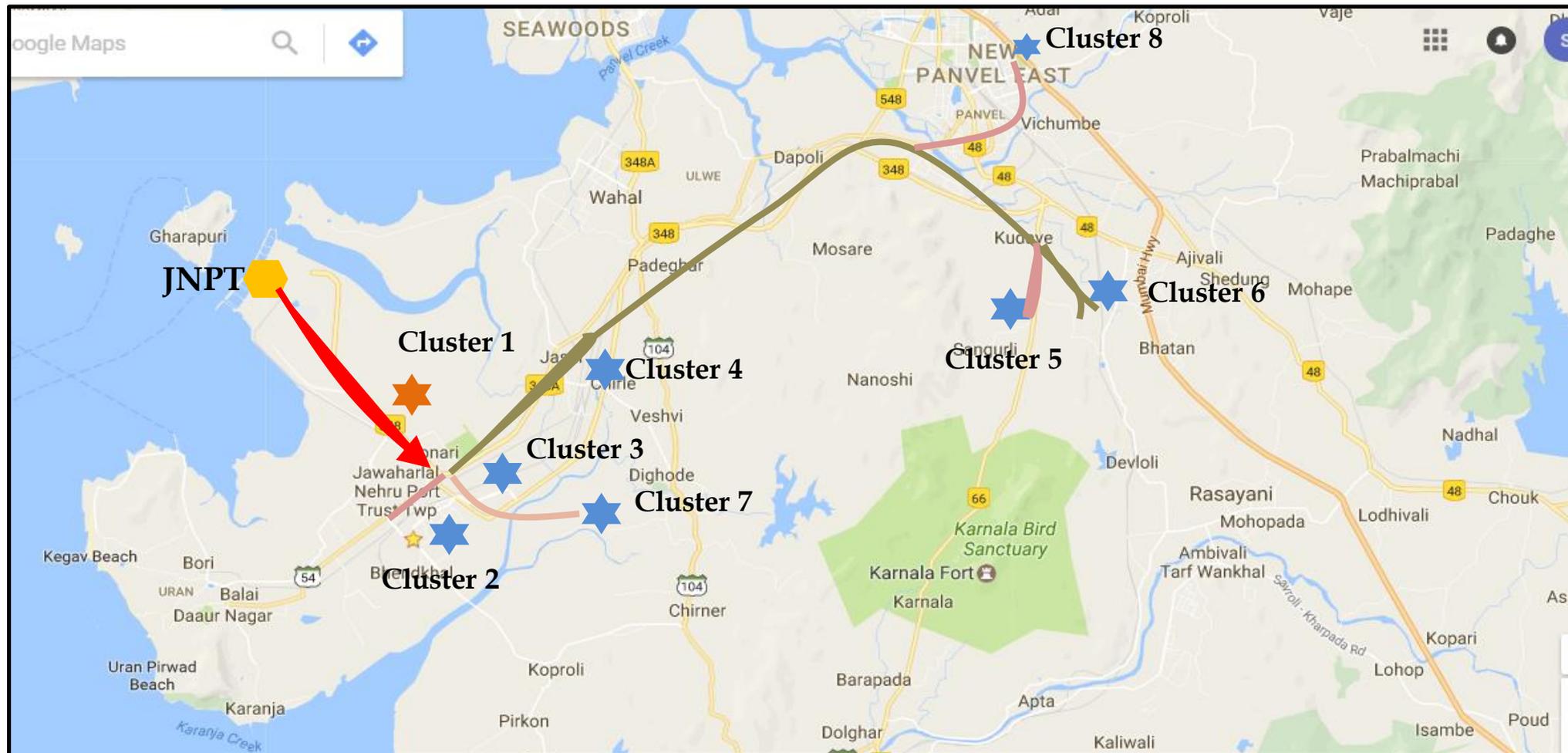
NSICT		
Port Dwell time based on transit type		
Jun'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	56.7 hrs	16.8 hrs
December		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	18.3 hrs	23.4 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	55.0 hrs	17.8 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	19.9 hrs	32.4 hrs

BMCT		
Port Dwell time based on transit type		
Jun'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	26.6 hrs	15.8 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	16.4 hrs	32.1 hrs

JNPT Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1 JNPT Area

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
- █ 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

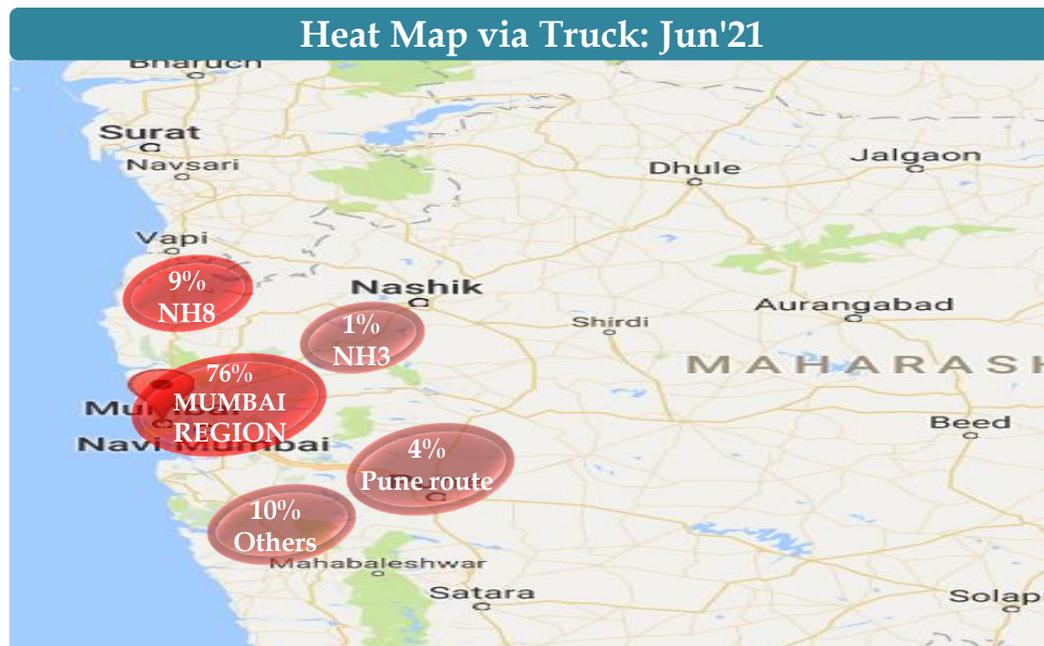
The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Jun'21
Mumbai region	76%
NH3	1%
Pune	4%
NH8	9%
others	10%

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

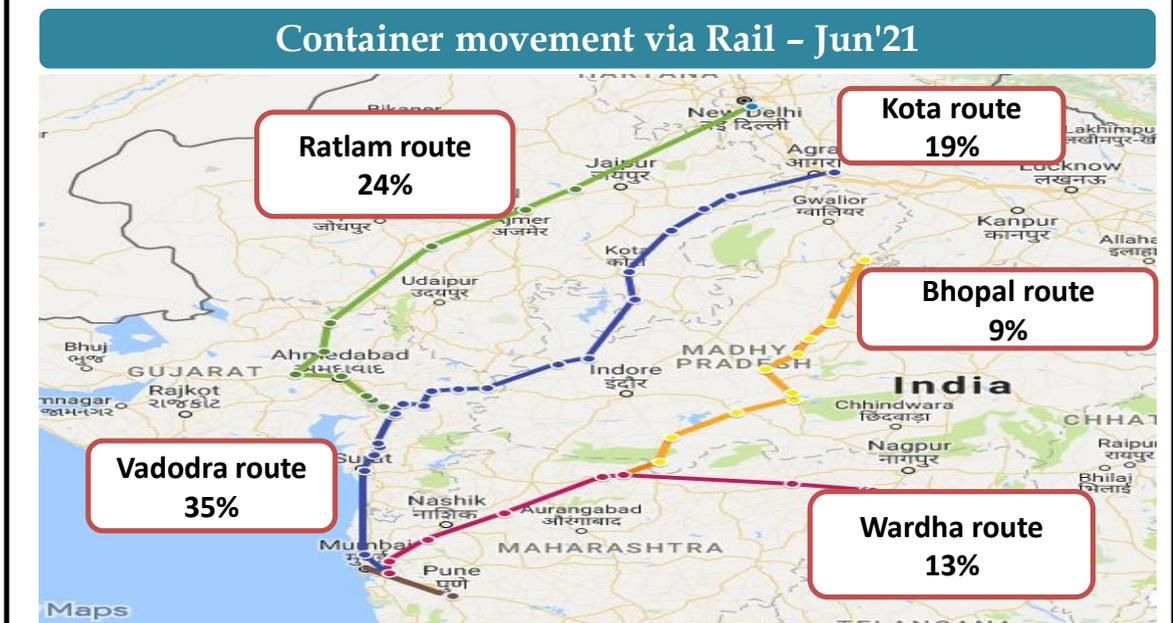


Train

VOLUME WISE CONTAINER MOVEMENT

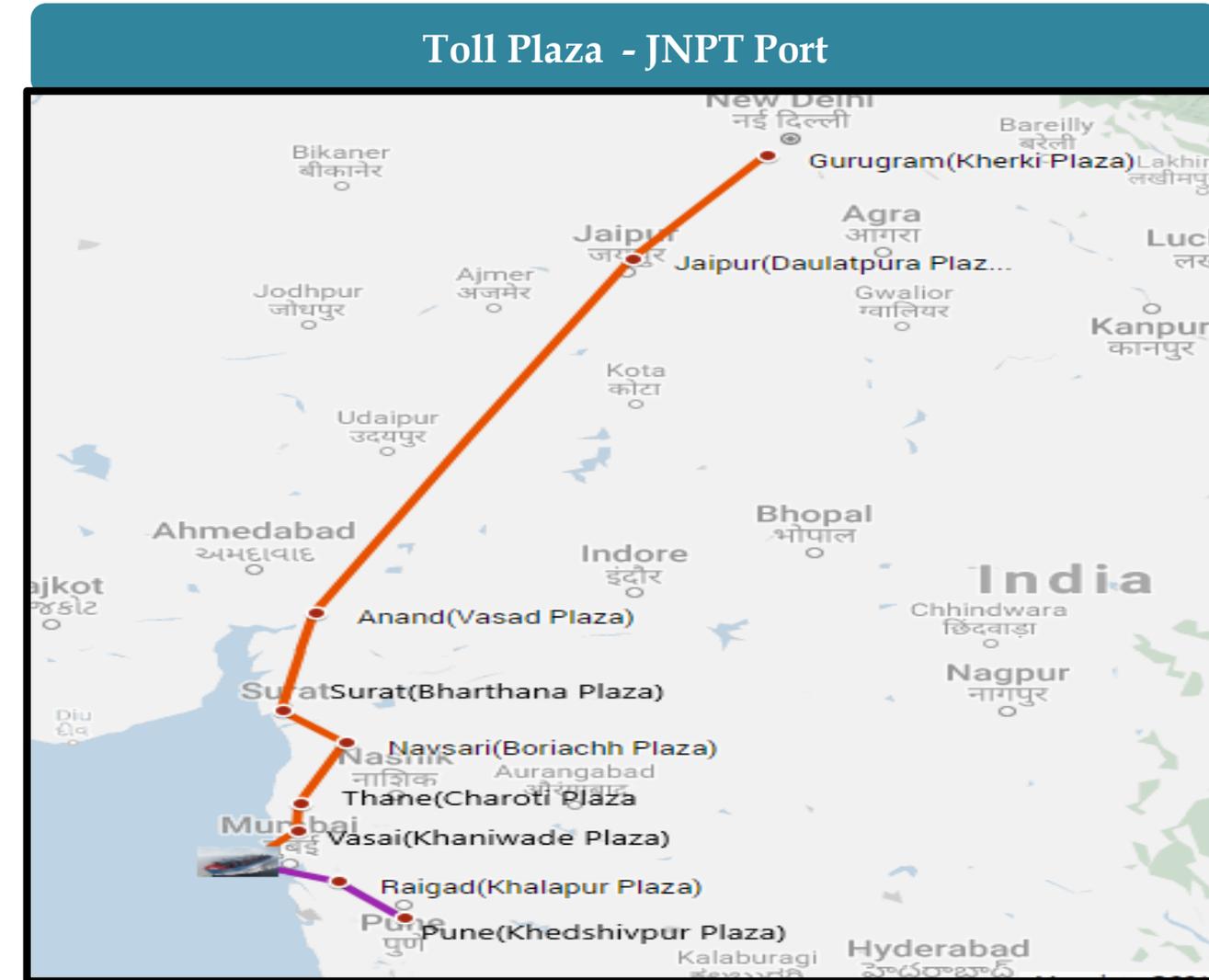
Region	Jun'21
Vadodra Route	35%
Ratlam Route	24%
Wardha Route	13%
Kota Route	19%
Bhopal Route	9%

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'21 (in km/hrs)	Jun'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	16.5	13.8
	JNPT	Khalapur	60	11.1	14.5
	Khaniwade	Charoti	50	37.2	35.5
	Charoti	Boriach	126	29.7	27.3
	Boriach	Bharthan	142	33.4	33.2
	Bharthan	Vasad	60	39.5	34.4
	Khalalpur	Khedshivpur	105	38.1	36.1



Export Cycle Analysis

JNPT Region: Dwell Time Performance (Export Cycle)

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

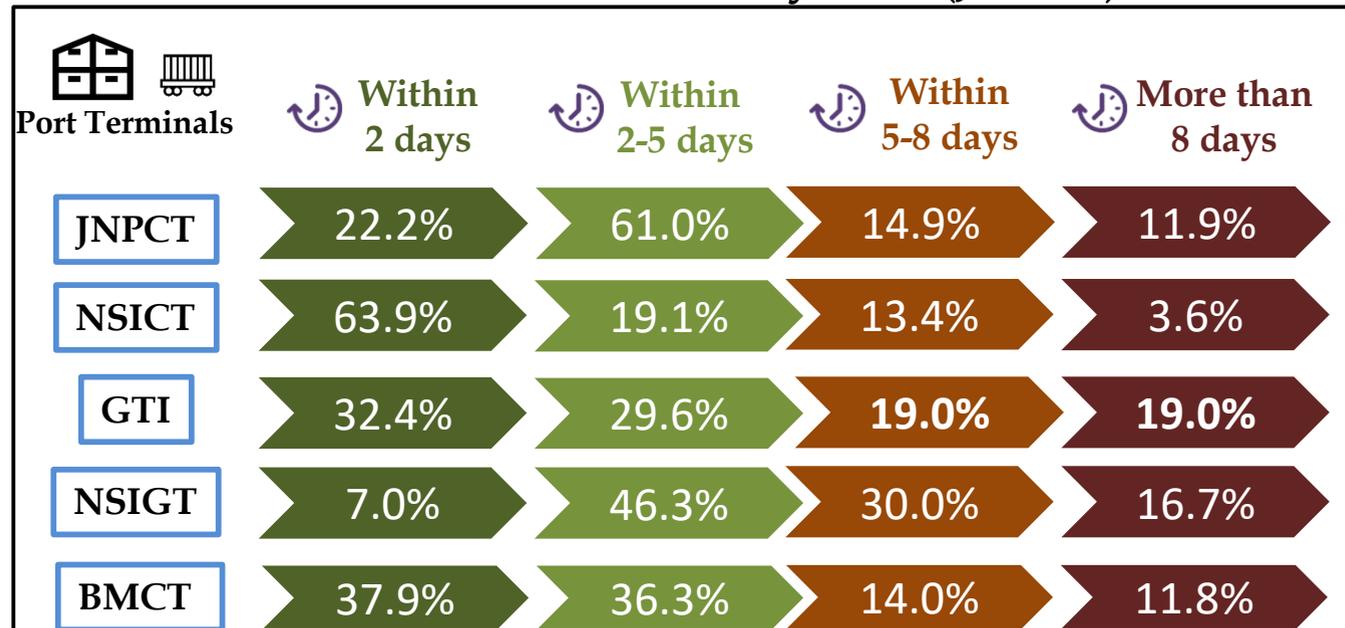
PORT EXPORT via TRAIN

(25% 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	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	66.1	87.5
NSICT	22.5	27.2
GTI	82.2	87.1
NSIGT	120.6	114.8
BMCT	69.1	67.0

Container Handled: Day wise (Jun'21)



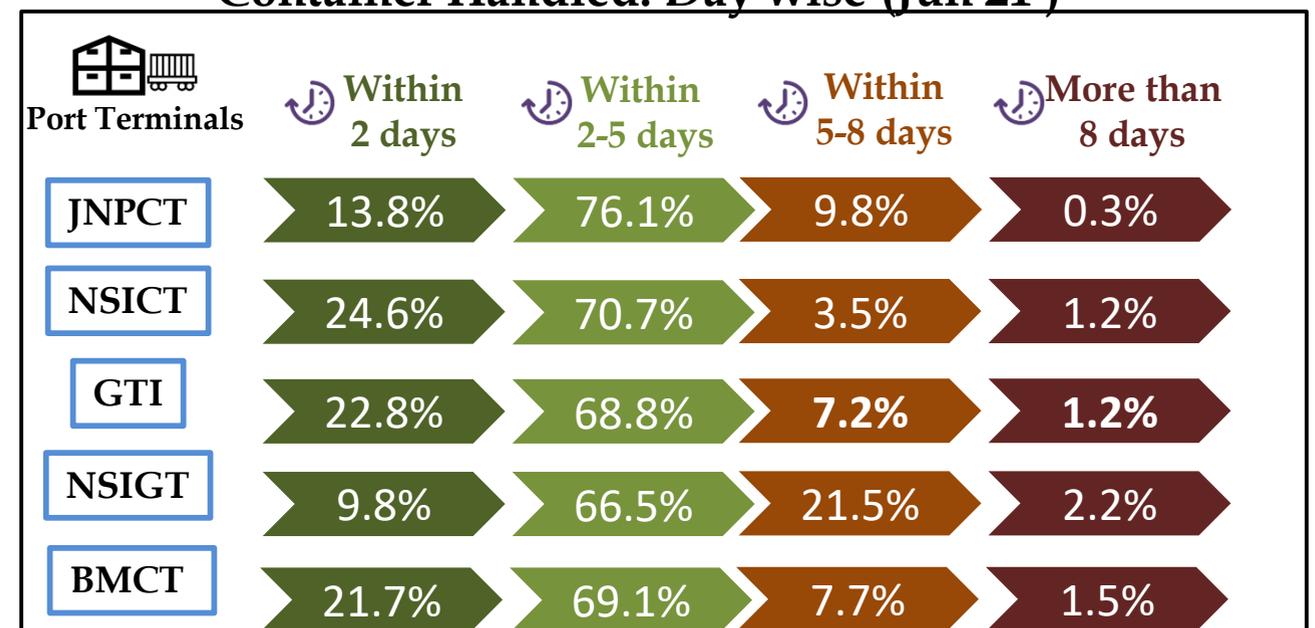
PORT EXPORT via TRUCK

(75% 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	May'21 (in hrs)	Jun'21 (in hrs)
JNPCT	78.6	82.5
NSICT	80.1	71.9
GTI	80.8	75.9
NSIGT	91.3	96.4
BMCT	78.6	75.9

Container Handled: Day wise (Jun'21)



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

JNPCT		
Port Dwell time based on transit type		
Jun'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	84.8 hrs	76.3 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	77.8 hrs	92.0 hrs

GTI		
Port Dwell time based on transit type		
Jun'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	78.5 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	72.0 hrs	71.0 hrs

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

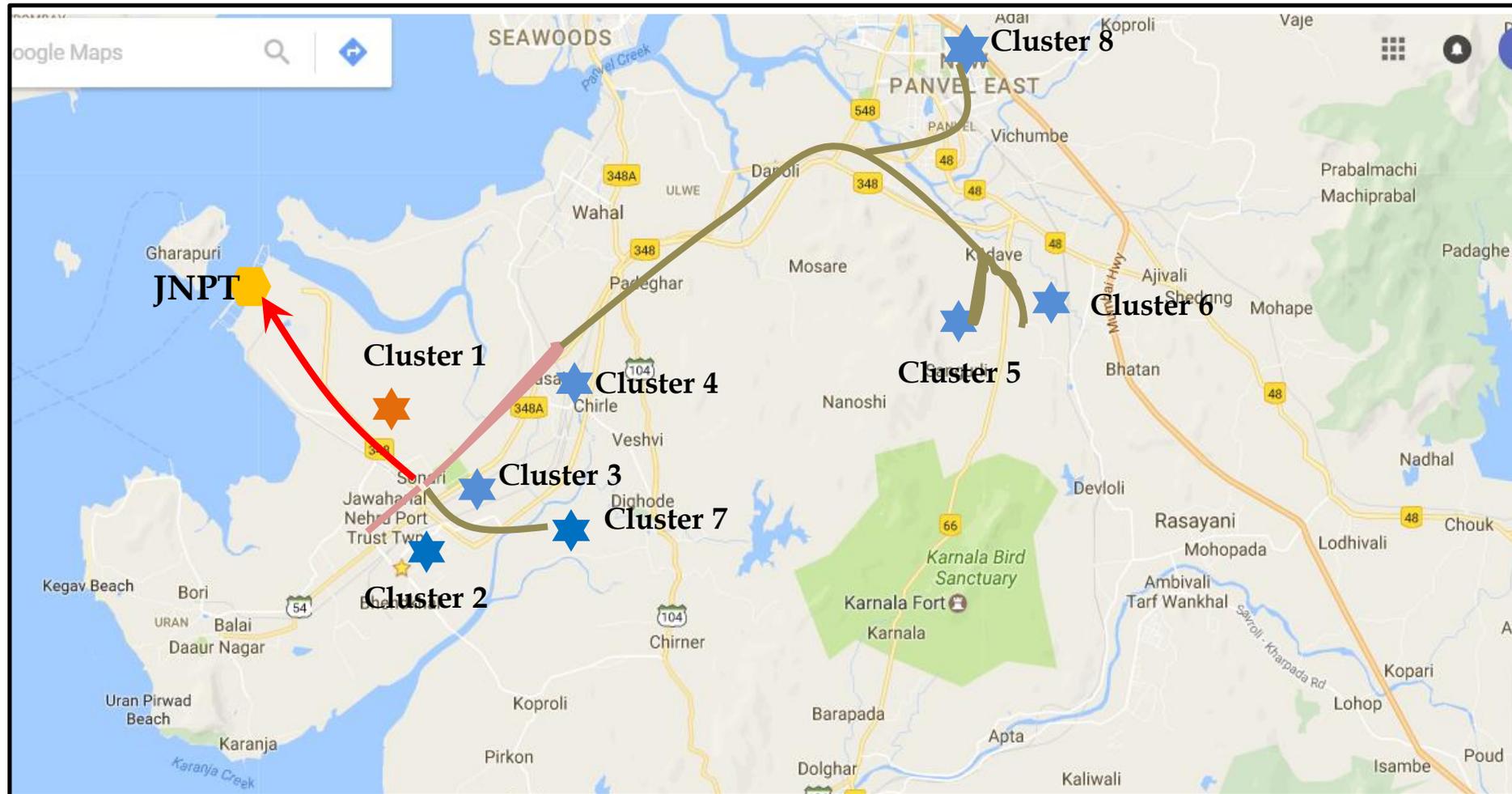
NSICT		
Port Dwell time based on transit type		
Jun'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	75.6 hrs	73.1 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	71.9 hrs	48.9 hrs

NSIGT		
Port Dwell time based on transit type		
Jun'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	98.0 hrs	95.4 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	96.9 hrs	60.4 hrs

BMCT		
Port Dwell time based on transit type		
Jun'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	74.0 hrs
Port Dwell time based on container type		
Jun'21	Laden Containers	Empty Containers
Dwell time (in hrs)	80.8 hrs	69.3 hrs

JNPT Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck	
CLUSTER 1	JNPT Area
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
- 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 :-

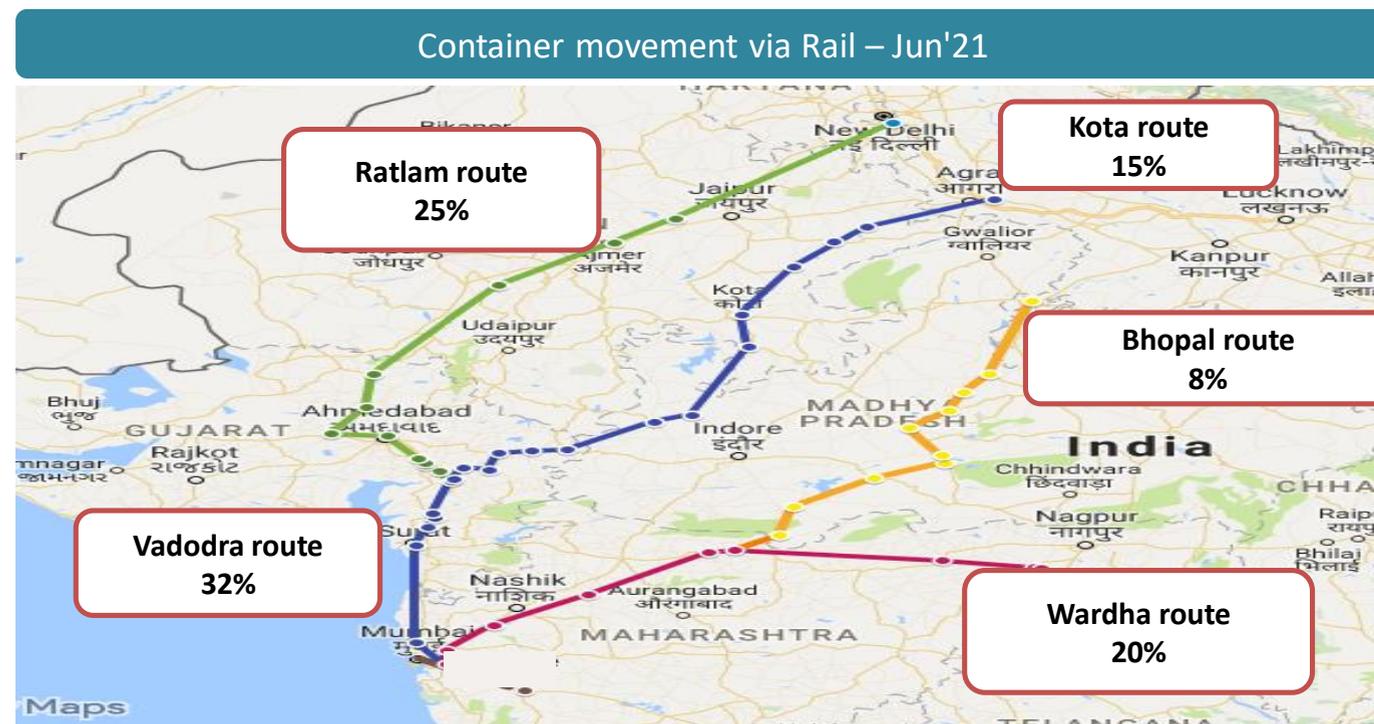
BMCT Terminal

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	32%
Ratlam Route	25%
Wardha Route	20%
Kota Route	15%
Bhopal Route	8%

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



CFS and ICD Performance

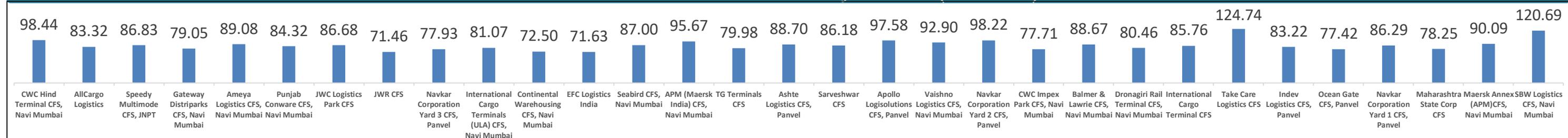
JNPT region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs.)

CFS	May'21 (in hrs)	Jun'21 (in hrs)	CFS	May'21 (in hrs)	Jun'21 (in hrs)
CWC Hind Terminal CFS, Navi Mumbai	102.67	98.44	Sarveshwar CFS	88.33	86.18
AllCargo Logistics	96.24	83.32	Apollo Logisolutions CFS, Panvel	86.64	97.58
Speedy Multimode CFS, JNPT	85.69	86.83	Vaishno Logistics CFS, Navi Mumbai	90.08	92.90
Gateway Distriparks CFS, Navi Mumbai	85.10	79.05	Navkar Corporation Yard 2 CFS, Panvel	101.12	98.22
Ameya Logistics CFS, Navi Mumbai	88.47	89.08	CWC Impex Park CFS, Navi Mumbai	81.50	77.71
Punjab Conware CFS, Navi Mumbai	84.72	84.32	Balmer & Lawrie CFS, Navi Mumbai	88.87	88.67
JWC Logistics Park CFS	91.72	86.68	Dronagiri Rail Terminal CFS, Navi Mumbai	75.89	80.46
JWR CFS	79.73	71.46	International Cargo Terminal CFS	84.10	85.76
Navkar Corporation Yard 3 CFS, Panvel	74.63	77.93	Take Care Logistics CFS	118.92	124.74
International Cargo Terminals (ULA) CFS, Navi Mumbai	80.10	81.07	Indev Logistics CFS, Panvel	85.58	83.22
Continental Warehousing CFS, Navi Mumbai	79.56	72.50	Ocean Gate CFS, Panvel	84.27	77.42
EFC Logistics India	79.97	71.63	Navkar Corporation Yard 1 CFS, Panvel	100.96	86.29
Seabird CFS, Navi Mumbai	89.24	87.00	Maharashtra State Corp CFS	76.57	78.25
APM (Maersk India) CFS, Navi Mumbai	105.82	95.67	Maersk Annex (APM)CFS, Navi Mumbai	95.11	90.09
TG Terminals CFS	87.19	79.98	SBW Logistics CFS, Navi Mumbai	120.04	120.69
Ashte Logistics CFS, Panvel	93.44	88.70			

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

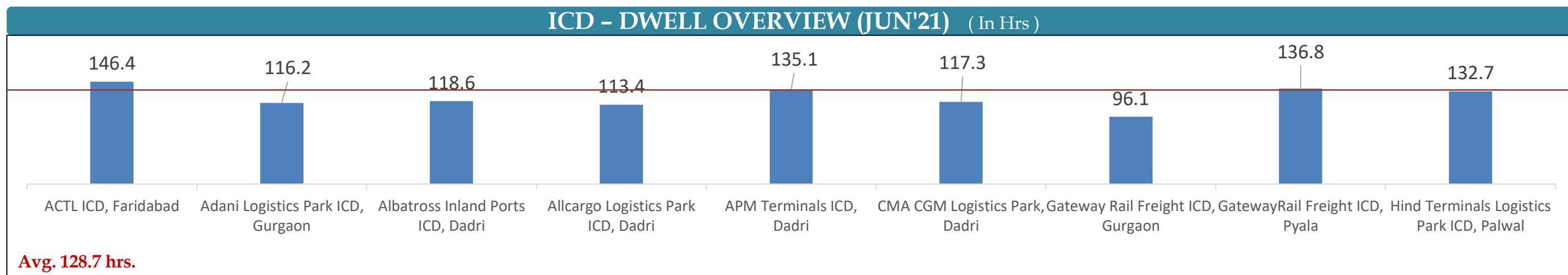


Average: 85.5 hrs.

ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	May'21 (in hrs)	Jun'21 (in hrs)
ACTL ICD, Faridabad	121.4	146.4
Adani Logistics Park ICD, Gurgaon	129.9	116.2
Albatross Inland Ports ICD, Dadri	118.4	118.6
Allcargo Logistics Park ICD, Dadri	116.5	113.4
APM Terminals ICD, Dadri	150.2	135.1
CMA CGM Logistics Park, Dadri	112.7	117.3
Gateway Rail Freight ICD, Gurgaon	108.5	96.1
GatewayRail Freight ICD, Pyala	149.8	136.8
Hind Terminals Logistics Park ICD, Palwal	126.2	132.7

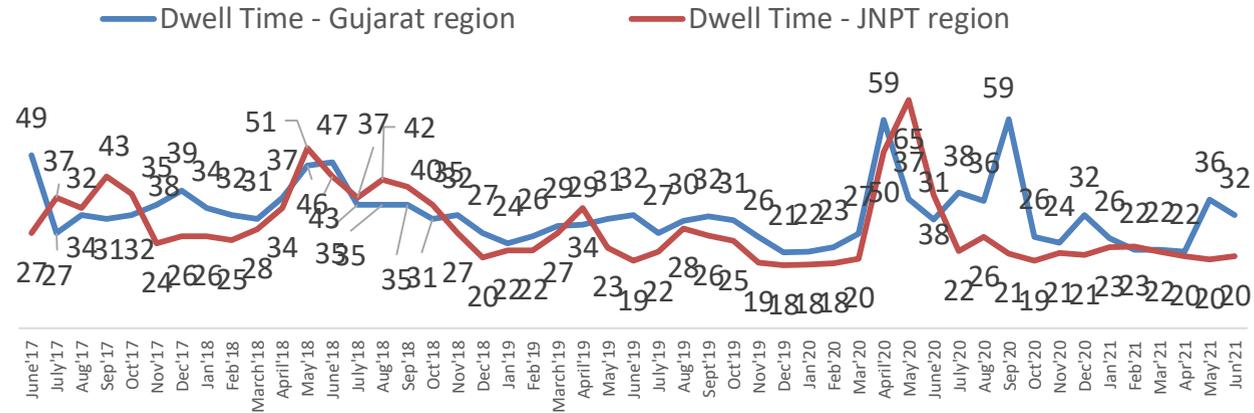


Trend Analysis

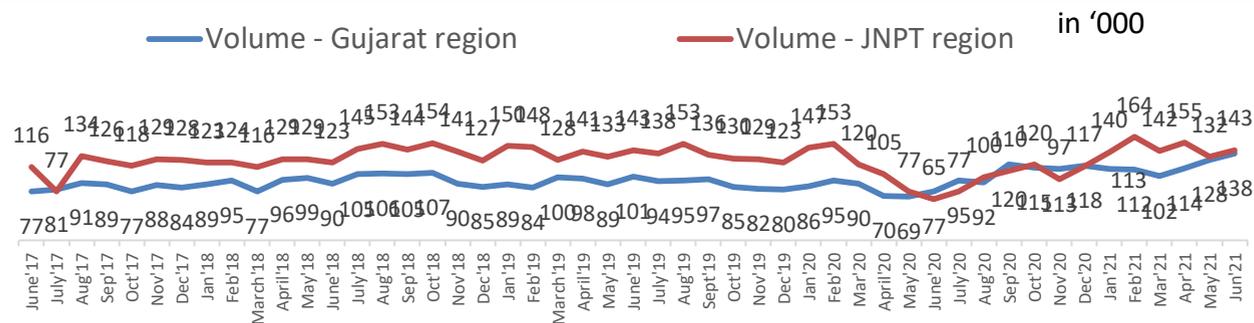
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until Jun'21

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



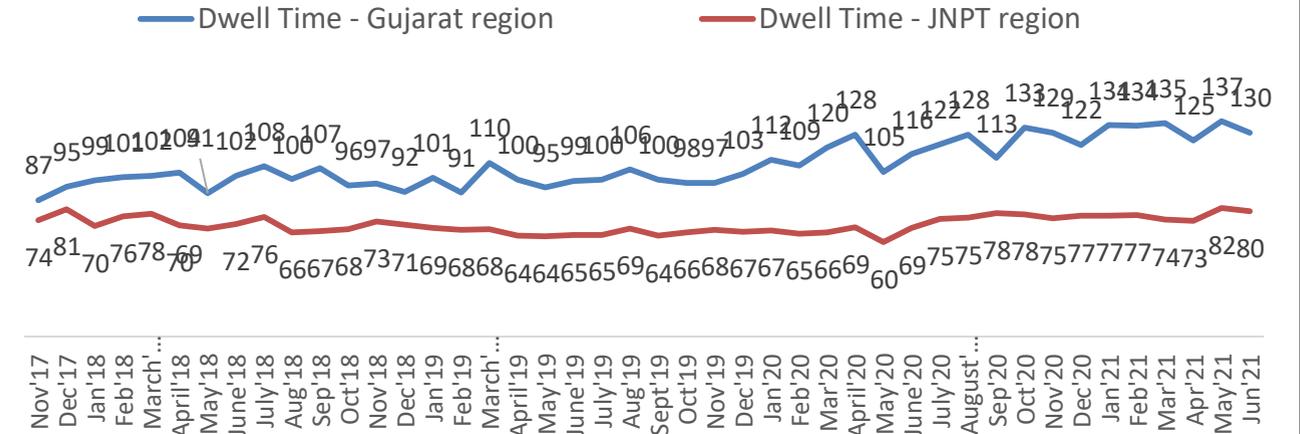
Volume – Gujarat Region Vs JNPT Region



In Import cycle, for the month of Jun'21 APSEZ port has catered 3% less volume than JNPT Port, and has maintained 36% higher dwell time than JNPT Port.

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region

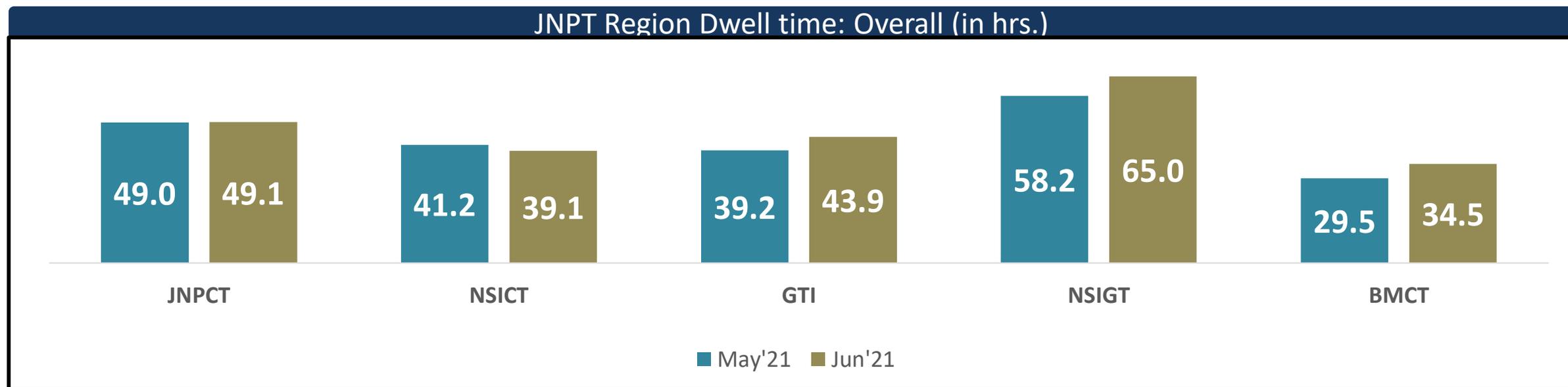


In Export cycle, for the month Jun'21 JNPT port catered 8% less volume than APSEZ Port, and has maintained 39% lower dwell time than APSEZ Port.

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



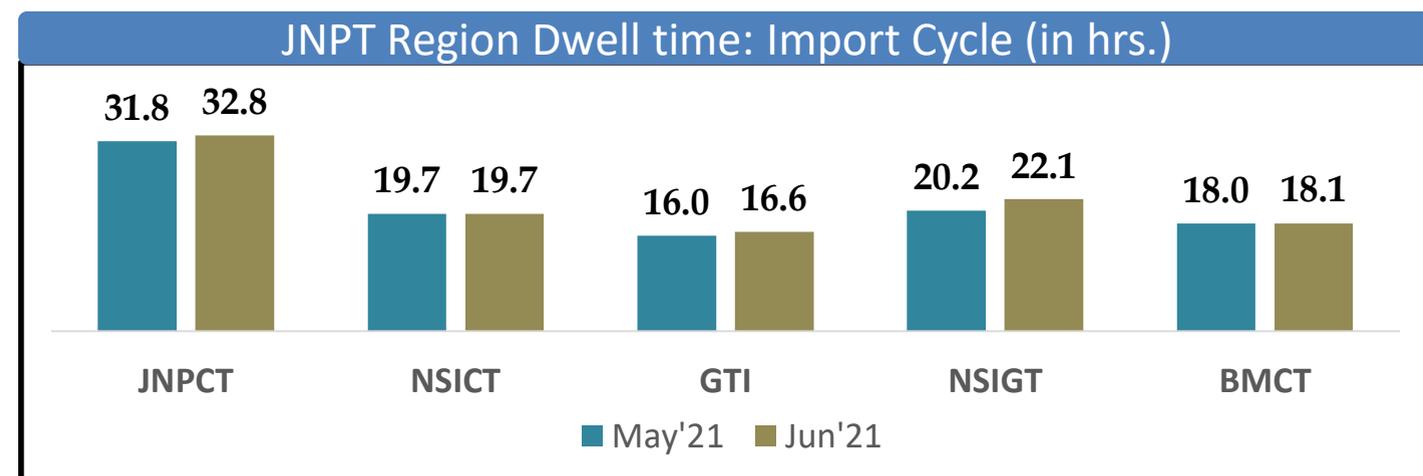
The overall JNPT region average dwell time for Jun'21 is 45.8 hrs as compared to 42.2 hrs in May'21

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



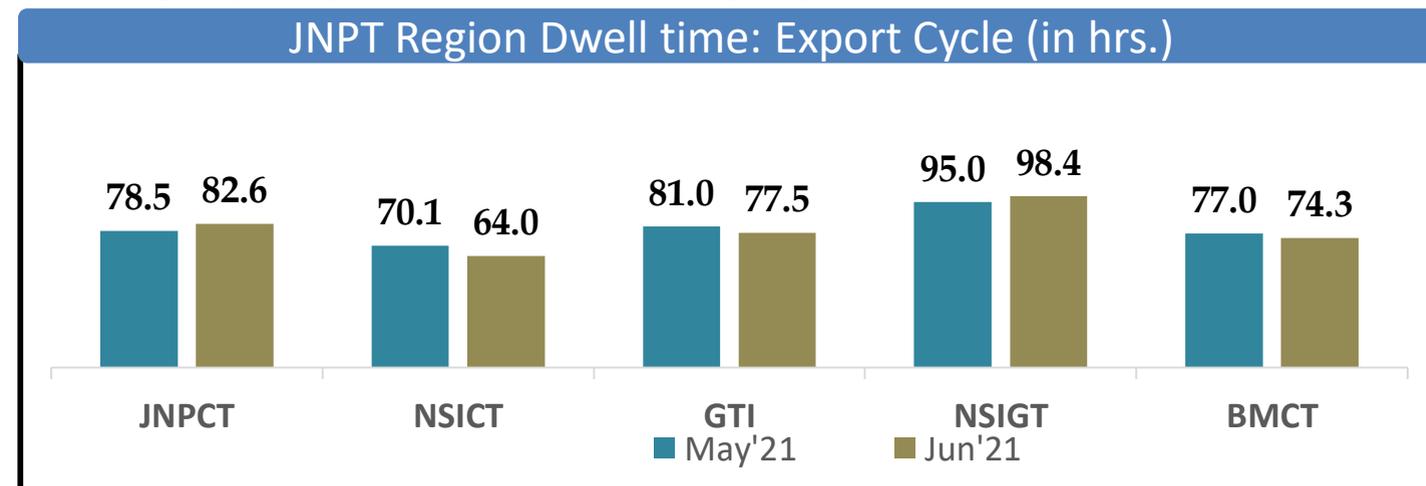
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Jun'21 is 20.4 hrs.



JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for Jun'21 is 79.7 hrs.



ANNEXURE

Container movement around JNPT Port terminal region via Truck

HEAT MAP : GTI Port Terminal

Heat Map : Jun'21

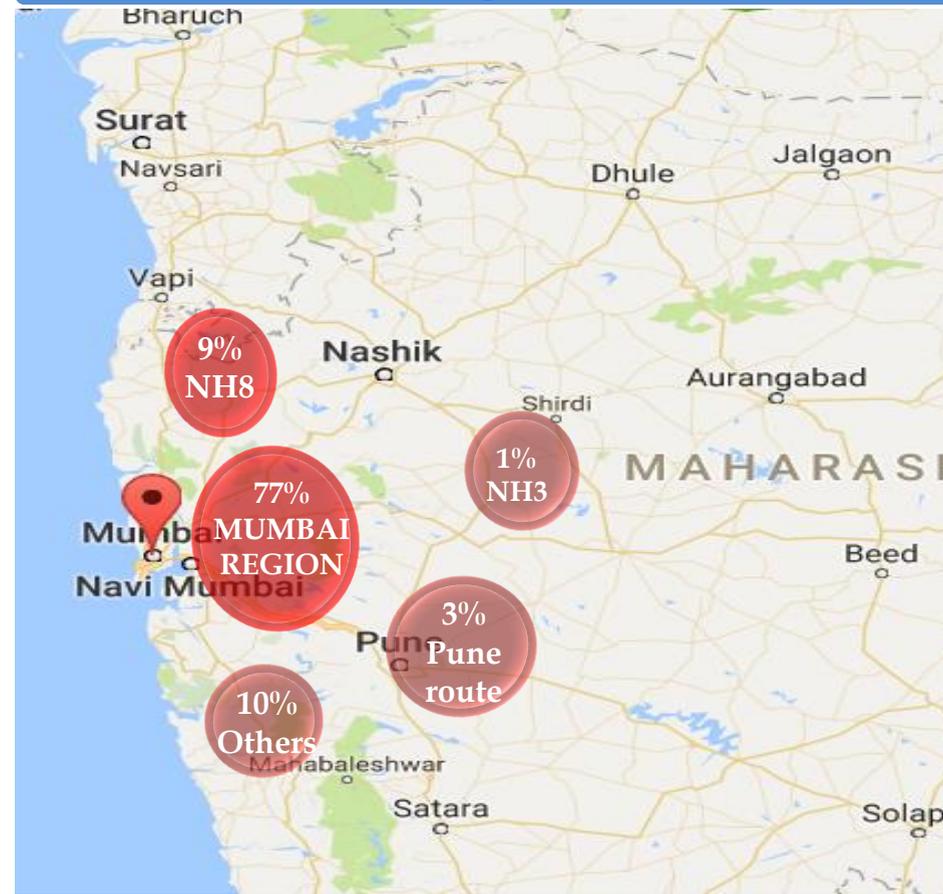


Region	May'21	Jun'21
Mumbai region	78%	63%
NH3	1%	1%
Pune	3%	9%
NH8	8%	17%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal

Heat Map : Jun'21

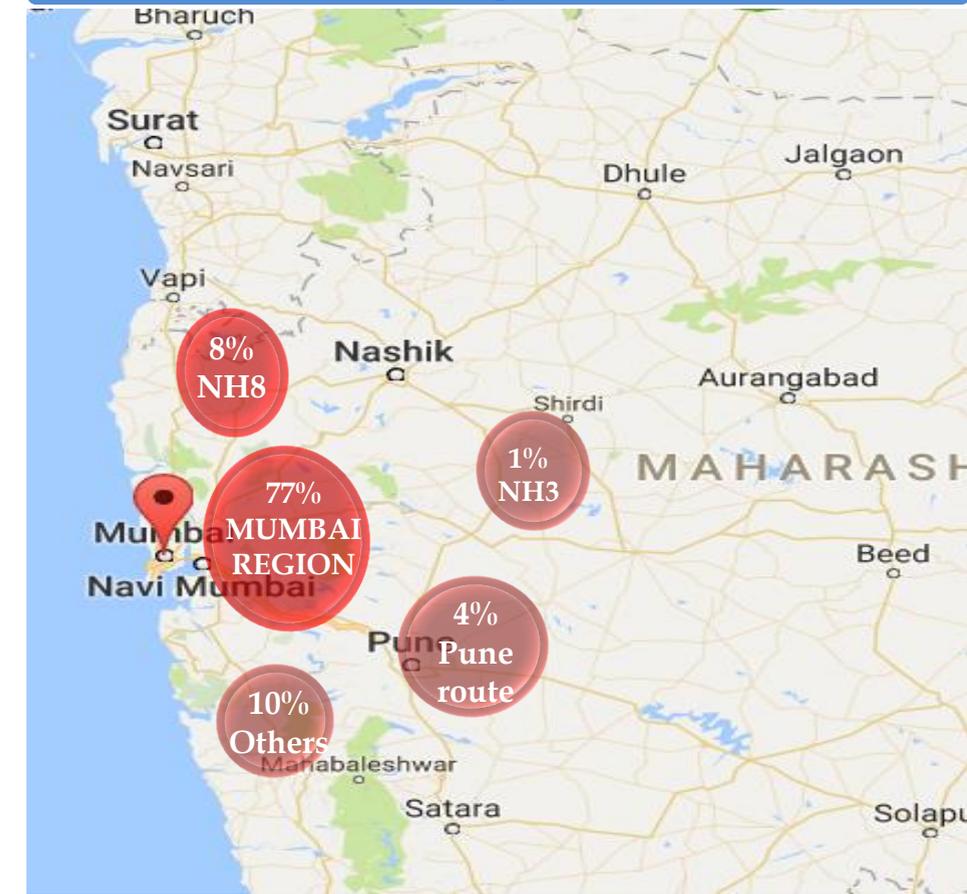


Region	May'21	Jun'21
Mumbai region	78%	77%
NH3	1%	1%
Pune	2%	3%
NH8	9%	9%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal

Heat Map : Jun'21



Region	May'21	Jun'21
Mumbai region	77%	77%
NH3	1%	1%
Pune	4%	4%
NH8	8%	8%
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	May'21	Jun'21
Mumbai region	77%	76%
NH3	1%	1%
Pune	4%	4%
NH8	8%	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	May'21	Jun'21
Mumbai region	73%	81%
NH3	1%	1%
Pune	5%	3%
NH8	11%	5%
others	10%	10%

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

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

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

For Jun'21					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.9	2.1	2.1	2.5	3.4
Punjab Conware CFS, Navi Mumbai	2.4	2.1	2.2	2.1	2.7
JWC Logistics Park CFS	3.4	4.1	3.1	3.4	3.4
CWC Hind Terminal CFS, Navi Mumbai	2.6	1.5	1.8	2.1	2.6
Dronogiri Rail Terminal CFS, Navi Mumbai	3.1	1.9	1.7	2.6	2.8
Navkar Corporation Yard 2 CFS, Panvel	5.5	6.4	6.0	4.6	4.7
Vaishno Logistics CFS, Navi Mumbai	3.1	2.6	2.4	3.2	2.6
Speedy Multimode CFS, JNPT	2.8	2.0	1.9	2.3	2.6
Balmer & Lawrie CFS, Navi Mumbai	2.9	2.8	1.9	1.8	2.6
Navkar Corporation Yard 3 CFS, Panvel	6.1	5.7	4.9	4.9	5.6
Ashte Logistics CFS, Panvel	3.9	2.5	3.1	3.1	3.9
Continental Warehousing CFS, Navi Mumbai	1.8	1.6	1.6	2.0	2.2
SBW Logistics CFS, Navi Mumbai	4.8	5.7	9.8	3.8	5.3
Maharashtra State Corp CFS	1.8	1.7	2.1	2.8	3.0
Internation Cargo Terminal CFS	3.0	2.4	1.9	2.1	3.1
Seabird CFS, Navi Mumbai	2.7	1.7	7.3	2.3	4.8
Apollo Logisolutions CFS, Panvel	3.1	3.1	3.4	2.7	3.3
Ameya Logistics CFS, Navi Mumbai	3.3	3.2	2.3	3.3	3.2
Transindia Logistics Park, Navi Mumbai	2.2	2.1	2.1	2.3	2.5
Ocean Gate CFS, Panvel	4.5	3.4	3.0	2.4	4.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4	2.4	2.4	2.5	3.9
Indev Logistics CFS, Panvel	3.2	3.4	2.5	3.3	5.0
CWC Dronagiri CFS, Navi Mumbai	1.7	1.9	3.4	3.5	1.8
APM (Maersk India) CFS, Navi Mumbai	2.2	1.6	2.0	2.1	2.2

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'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.3
APM (Maersk India) CFS, Navi Mumbai	1.6
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	2.0
Transindia Logistics Park, Navi Mumbai	2.3
Indev Logistics CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	4.2
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	4.7
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	6.8
Navkar Corporation Yard 1 CFS, Panvel	3.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	3.6
Navkar Corporation Yard 2 CFS, Panvel	3.9
Punjab Conware CFS, Navi Mumbai	2.2
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	3.7
SBW Logistics CFS, Navi Mumbai	3.6
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	1.5

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'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	1.9
APM (Maersk India) CFS, Navi Mumbai	1.5
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	1.9
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	1.8
Balmer & Lawrie CFS, Navi Mumbai	1.7
Ashte Logistics CFS, Panvel	2.5
Continental Warehousing CFS, Navi Mumbai	1.4
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.7
Navkar Corporation Yard 1 CFS, Panvel	4.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	3.3
Navkar Corporation Yard 2 CFS, Panvel	3.2
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.2
JWC Logistics Park CFS	2.4
SBW Logistics CFS, Navi Mumbai	4.0
Ocean Gate CFS, Panvel	2.4
Maharashtra State Corp CFS	-

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'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.2
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.5
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	2.1
Indev Logistics CFS, Panvel	3.1
Navkar Corporation Yard 3 CFS, Panvel	4.9
Seabird CFS, Navi Mumbai	2.1
Balmer & Lawrie CFS, Navi Mumbai	1.6
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	25.5
Navkar Corporation Yard 1 CFS, Panvel	5.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	5.0
Punjab Conware CFS, Navi Mumbai	2.2
Vaishno Logistics CFS, Navi Mumbai	2.1
JWC Logistics Park CFS	3.5
SBW Logistics CFS, Navi Mumbai	4.1
Ocean Gate CFS, Panvel	3.7
Maharashtra State Corp CFS	18.4

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'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.5
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.0
Indev Logistics CFS, Panvel	3.4
Navkar Corporation Yard 3 CFS, Panvel	4.4
Seabird CFS, Navi Mumbai	1.9
Balmer & Lawrie CFS, Navi Mumbai	2.2
Ashte Logistics CFS, Panvel	2.7
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	12.4
Navkar Corporation Yard 1 CFS, Panvel	3.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.7
Maersk Annex (APM)CFS, Navi Mumbai	4.7
Speedy Multimode CFS, JNPT	2.2
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	4.8
Punjab Conware CFS, Navi Mumbai	2.7
Vaishno Logistics CFS, Navi Mumbai	2.7
JWC Logistics Park CFS	3.1
SBW Logistics CFS, Navi Mumbai	1.7
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	1.4

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'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	1.5
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.1
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	4.4
Seabird CFS, Navi Mumbai	2.1
Balmer & Lawrie CFS, Navi Mumbai	1.6
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	15.5
Navkar Corporation Yard 1 CFS, Panvel	4.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	2.3
Apollo Logisolutions CFS, Panvel	3.4
Navkar Corporation Yard 2 CFS, Panvel	3.6
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	2.7
JWC Logistics Park CFS	3.1
SBW Logistics CFS, Navi Mumbai	3.1
Ocean Gate CFS, Panvel	3.2
Maharashtra State Corp CFS	9.9

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'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	2.1	2.0
Cluster 2	6	13	1.8	2.2
Cluster 3	6	11	2.3	1.8
Cluster 4	1	13	2.5	2.6
Cluster 5	2	25	3.3	3.7
Cluster 6	6	25	3.7	3.4
Cluster 7	4	12	2.0	2.1
Cluster 8	1	34	3.6	5.7

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Jun'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	1.8	2.8
Cluster 2	6	13	1.7	2.7
Cluster 3	6	11	1.7	2.6
Cluster 4	1	13	2.2	3.1
Cluster 5	2	25	2.4	3.9
Cluster 6	6	25	3.5	3.9
Cluster 7	4	12	1.9	2.2
Cluster 8	1	34	4.0	4.8

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 Jun'21

NSIGT terminal for month of Jun'21

BMCT terminal for month of Jun'21

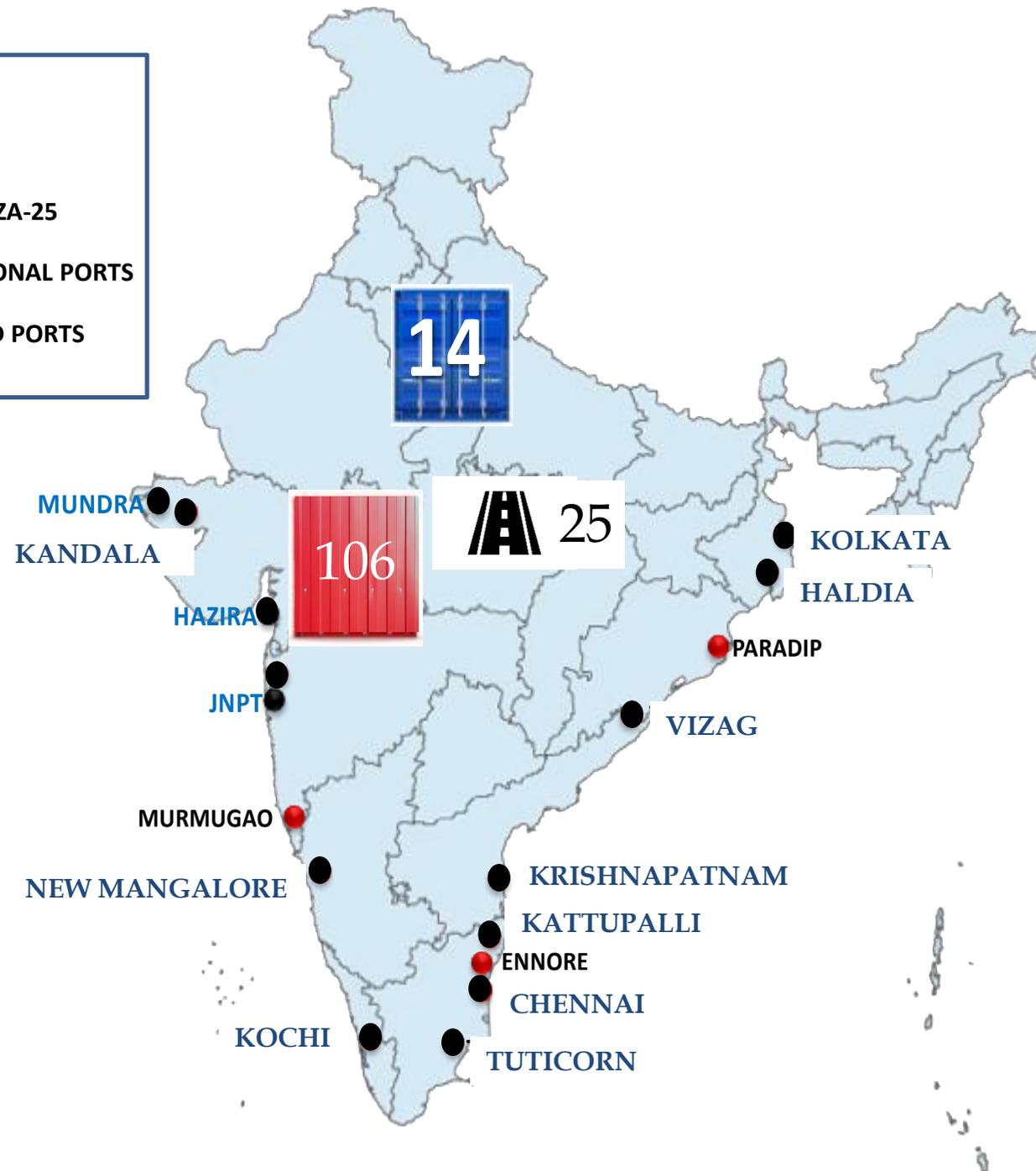
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.1	1.9
Cluster 2	6	13	1.8	2.0
Cluster 3	6	11	10.3	2.1
Cluster 4	1	13	2.1	0.0
Cluster 5	2	25	3.6	3.1
Cluster 6	6	25	4.2	3.4
Cluster 7	4	12	2.1	2.1
Cluster 8	1	34	4.1	9.8

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.2	2.3
Cluster 2	6	13	1.9	2.1
Cluster 3	6	11	2.0	2.4
Cluster 4	1	13	2.7	3.2
Cluster 5	2	25	3.0	2.9
Cluster 6	6	25	3.7	3.3
Cluster 7	4	12	1.9	2.3
Cluster 8	1	34	1.7	3.8

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.3	2.6
Cluster 2	6	13	1.8	2.9
Cluster 3	6	11	2.0	2.9
Cluster 4	1	13	2.7	2.6
Cluster 5	2	25	3.1	3.9
Cluster 6	6	25	3.7	4.7
Cluster 7	4	12	1.9	2.5
Cluster 8	1	34	3.1	5.3

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

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

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



THANK YOU