

## Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Jan'21 (in hrs)	Feb'21 (in hrs)	Port	Jan'21 (in hrs)	Feb'21 (in hrs)
JNPCT	28.3	32.32	JNPCT	75.4	79.48
NSICT	22.2	25.93	NSICT	64.9	63.05
GTI	20.1	19.87	GTI	74.5	75.28
NSIGT	21.5	21.92	NSIGT	88.5	93.27
BMCT/PSA	23.3	21.20	BMCT/PSA	79.6	77.20

## Critical Incident Summary

### Jawaharlal Nehru Port Terminals

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
February'21	23.1 hrs	77.2 hrs	90.4 hrs	129.4 hrs
January'21	22.9 hrs	76.8 hrs	90.6 hrs	127.8 hrs

## Port Dwell Time

IMPORT

Mode	Jan'21 (in hrs)	Feb'21 (in hrs)
Overall	24.5	23.2
Truck	22.1	21.3
Train	64.6	35.2

EXPORT

Mode	Jan'21 (in hrs)	Feb'21 (in hrs)
Overall	103.2	99.0
Truck	100.4	96.3
Train	118.1	108.9

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Jan'21 (in hrs)	Feb'21 (in hrs)
CFS	92.1	91.8
ICD	127.8	129.4

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

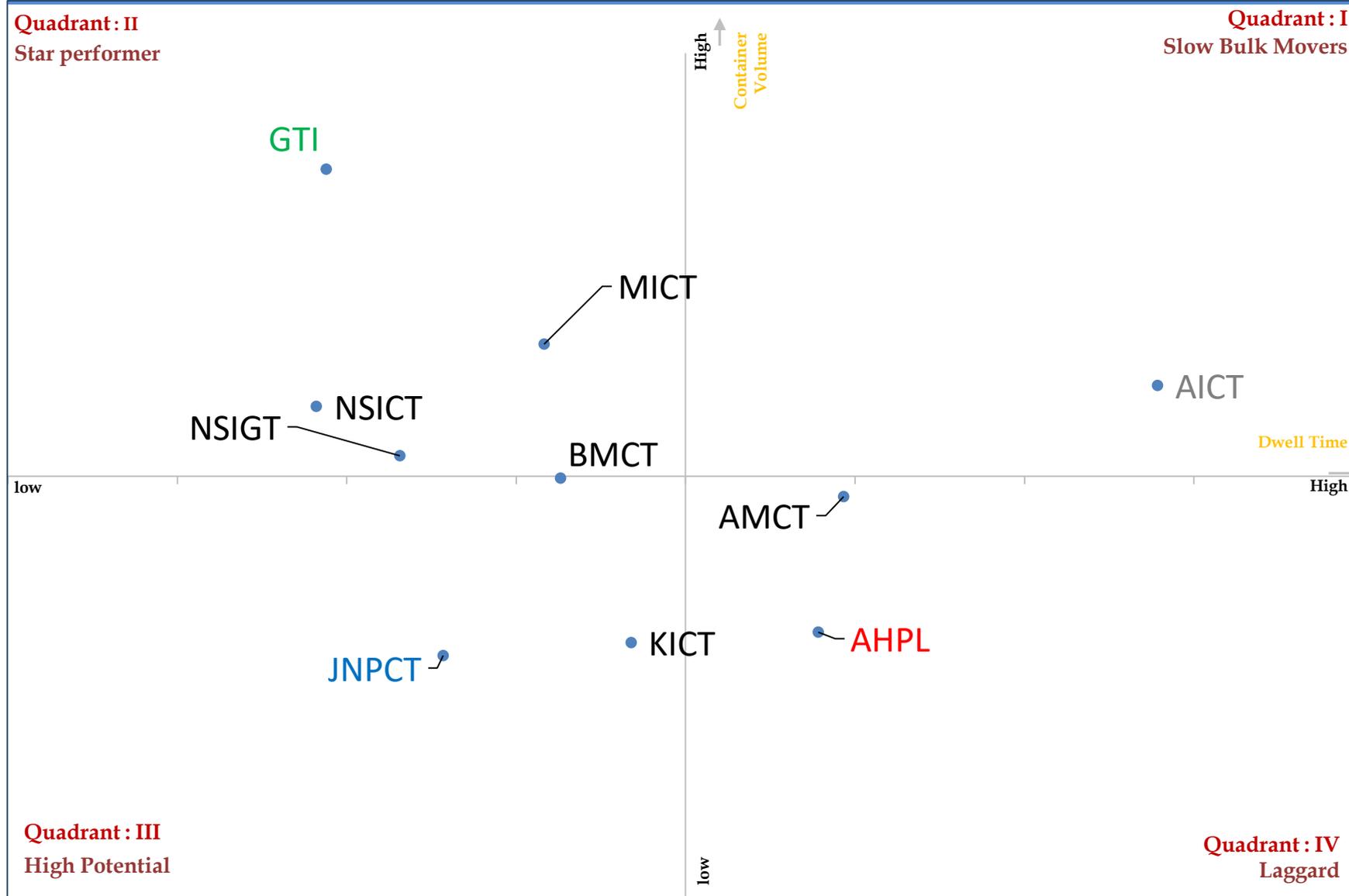
The marked entries showcase decrease in performance in comparison to Jan'21



## Performance Benchmarking - Port Terminals

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

### Port Terminal Performance Index - Feb'21



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

#### Top Performing Terminal

##### Gateway Terminals India (GTI)

Jan'21	Feb'21
37.0 Hrs	39.5 Hrs.

#### Low Performing Terminal

##### Adani Hazira Port Limited (AHPL)

Jan'21	Feb'21
64.8 Hrs	72.0 Hrs

Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Jan'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)

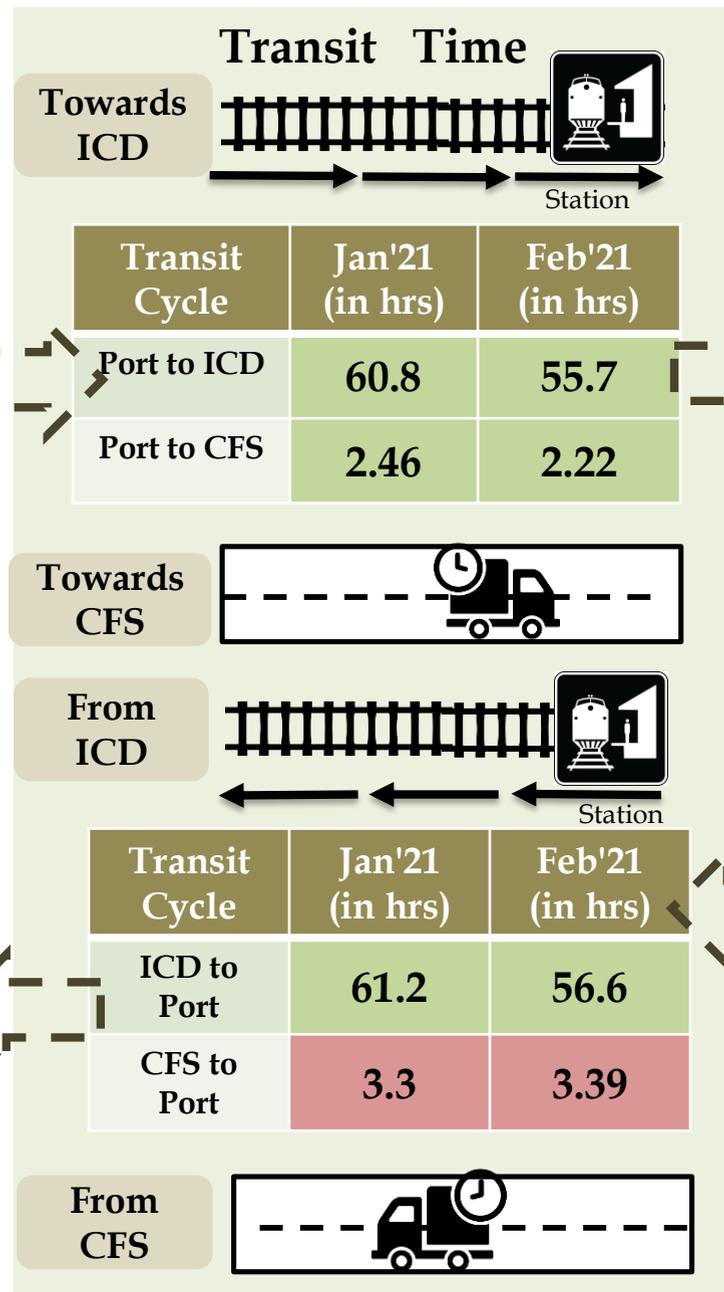
**IMPORT**

### Port Dwell Time

Mode	Jan'21 (in hrs)	Feb'21 (in hrs)
Overall	22.9	23.1
Truck	19.6	21.6
Train	52.7	32.1

**EXPORT**

Mode	Jan'21 (in hrs)	Feb'21 (in hrs)
Overall	76.8	77.2
Truck	76.5	77.8
Train	79.5	71.6



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

Entity	Jan'21 (in hrs)	Feb'21 (in hrs)
CFS	90.6	90.4
ICD	127.8	129.4

### Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	82%	18%
Export	77%	23%

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

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

## Container Lifecycle (Export Cycle)

# Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Feb'21 - in hrs)			Compared to Jan'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	23.02	1% ↓
	Port Dwell Time for Truck Bound Containers	21.6	10% ↓
	Port Dwell time for Train Bound Containers	32.1	39% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	43.9	14% ↓
	Port Dwell time Containers bound for CFS	18.4	3% ↓
	Port Dwell for Empty Containers	33.3	34% ↓
	Port Dwell for Laden Containers	20.8	8% ↑
TRANSIT TIME	Port to ICD	55.7	8% ↑
	Port to CFS	2.22	10% ↑

EXPORT CYCLE DWELL TIME (Feb'21- in hrs)			Compared to Jan'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	77.2	1% ↓
	Port Dwell Time for Truck Bound Containers	77.8	2% ↓
	Port Dwell time for Train Bound Containers	71.6	10% ↑
	Port Dwell time Direct Port Entry (DPE) containers	86.6	7% ↓
	Port Dwell time Containers bound from CFS	76.5	3% ↓
	Port Dwell for Empty Containers	69.1	2% ↑
	Port Dwell for Laden Containers	78.5	1% ↑
TRANSIT TIME	ICD to Port	56.6	8% ↑
	CFS to Port	3.4	3% ↓

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

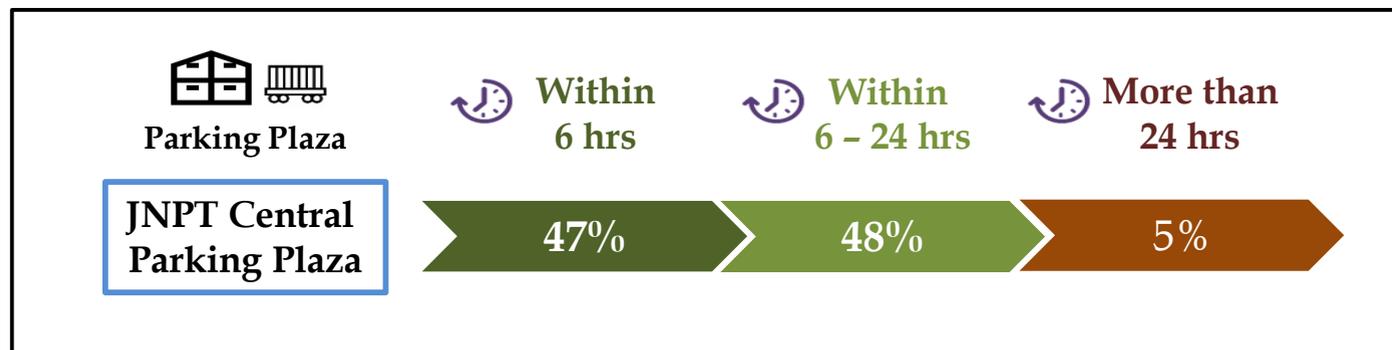
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



## Parking Plaza Gate In - Gate Out

Mode	Jan'21 (in hrs)	Feb'21
Overall Parking Plaza	6.4	6.3

## Container Handled: Day wise (Feb'21)



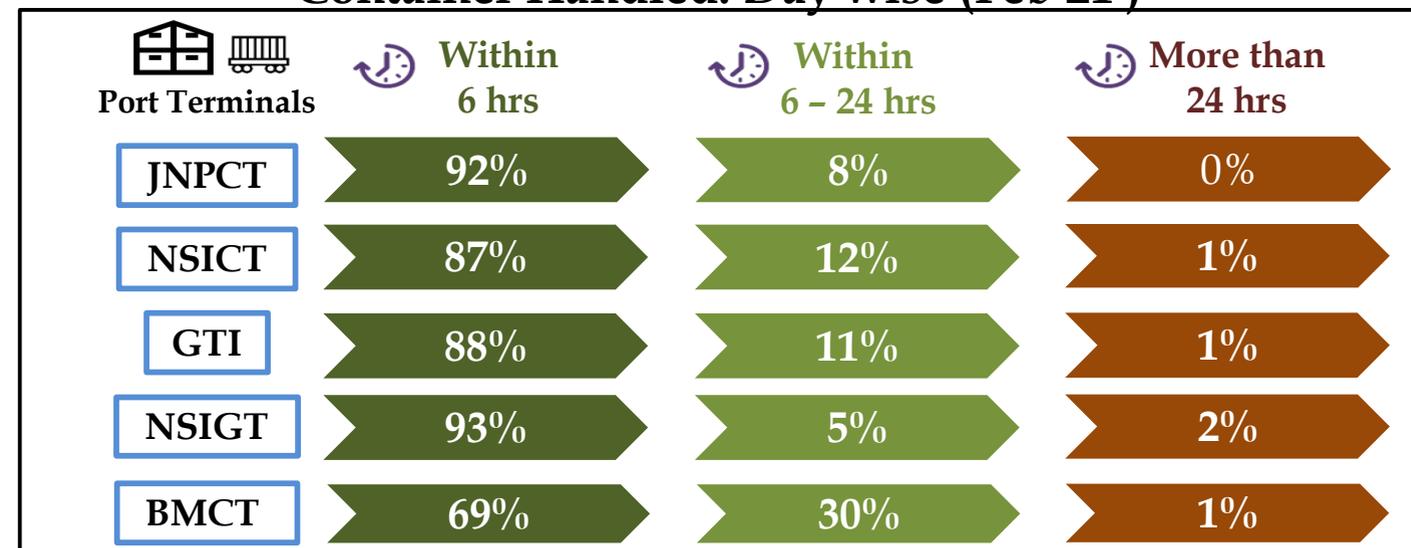
## Parking Plaza Gate Out - Terminal In

Mode	Jan'21 (in hrs)	Feb'21 (in hrs)
Overall Parking Plaza to JNPT Port	2.1	2.0

Port	Jan'21 (in hrs)	Feb'21 (in hrs)
JNPCT	2.0	1.3
NSICT	2.3	1.7
GTI	1.1	2.0
NSIGT	1.7	1.2
BMCT	3.9	4.2

## Container Handled: Day wise (Feb'21)





## Performance Benchmarking



### Top Performing CFS

AllCargo Logistics	
Jan'21	Feb'21
90.5 hrs	86.6 hrs

### Low Performing CFS

CWC CFS, Gandhidham	
Jan'21	Feb'21
128.1 hrs.	154.3 hrs

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

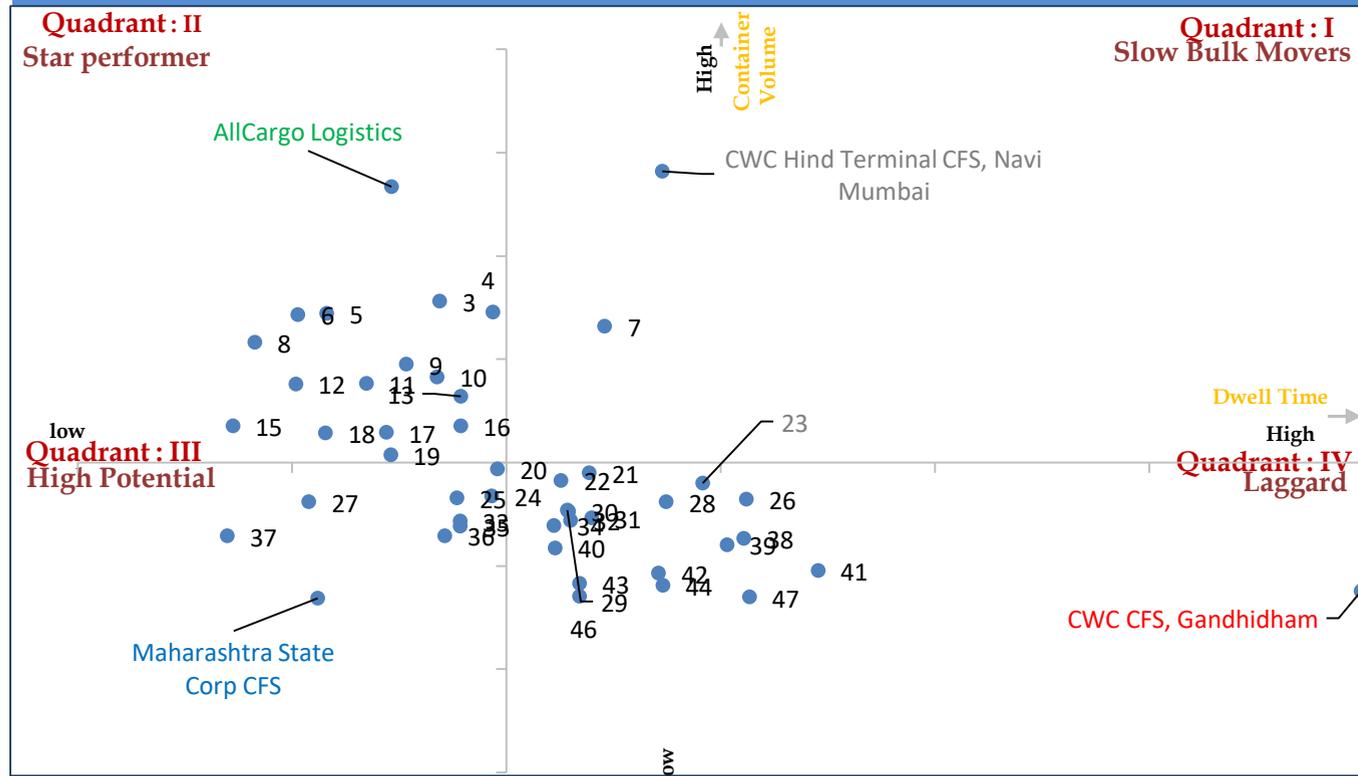
### Top Performing ICD

Albatross Inland Ports ICD, Dadri	
Jan'21	Feb'21
126.9 hrs	119.6 hrs

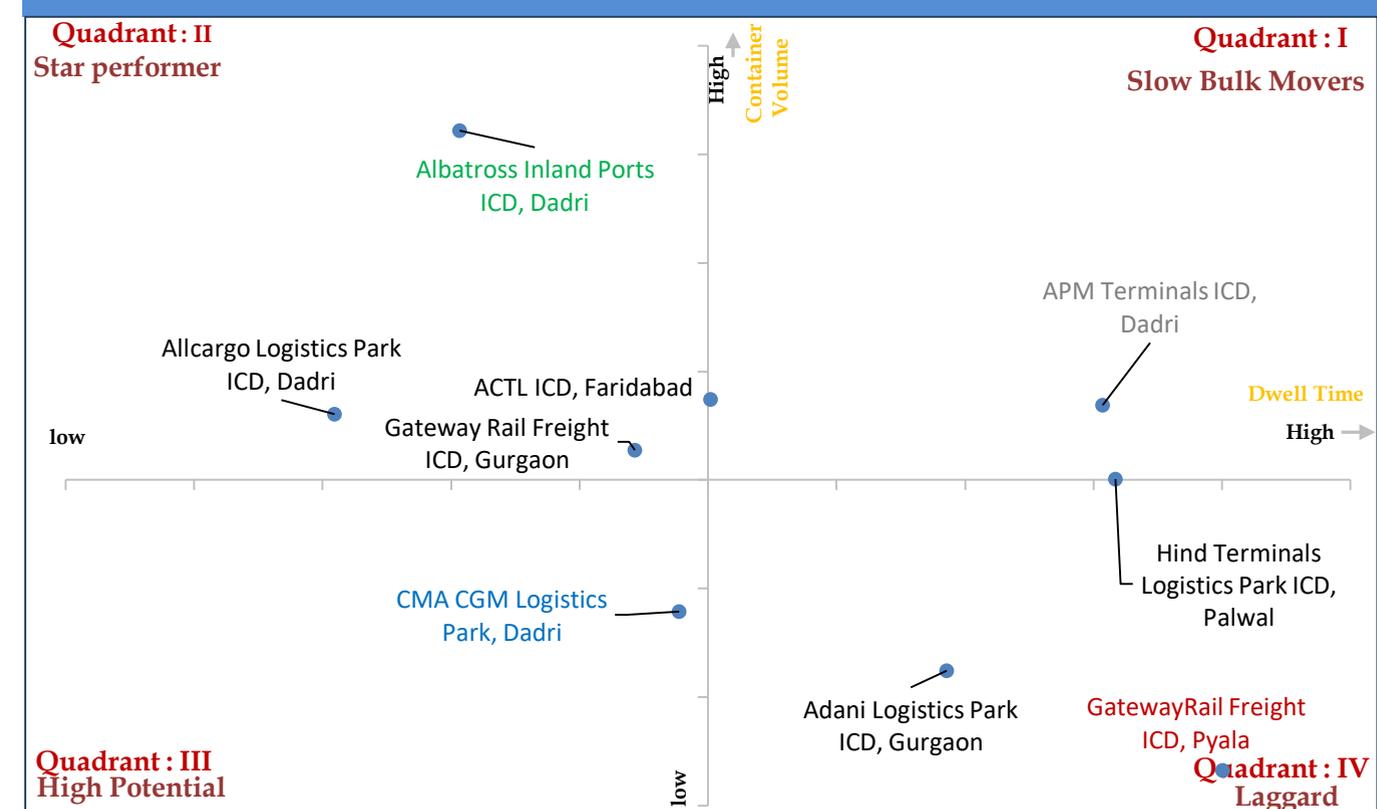
### Low Performing ICD

GatewayRail Freight ICD, Pyala	
Jan'21	Feb'21
163.6 hrs	154.6 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

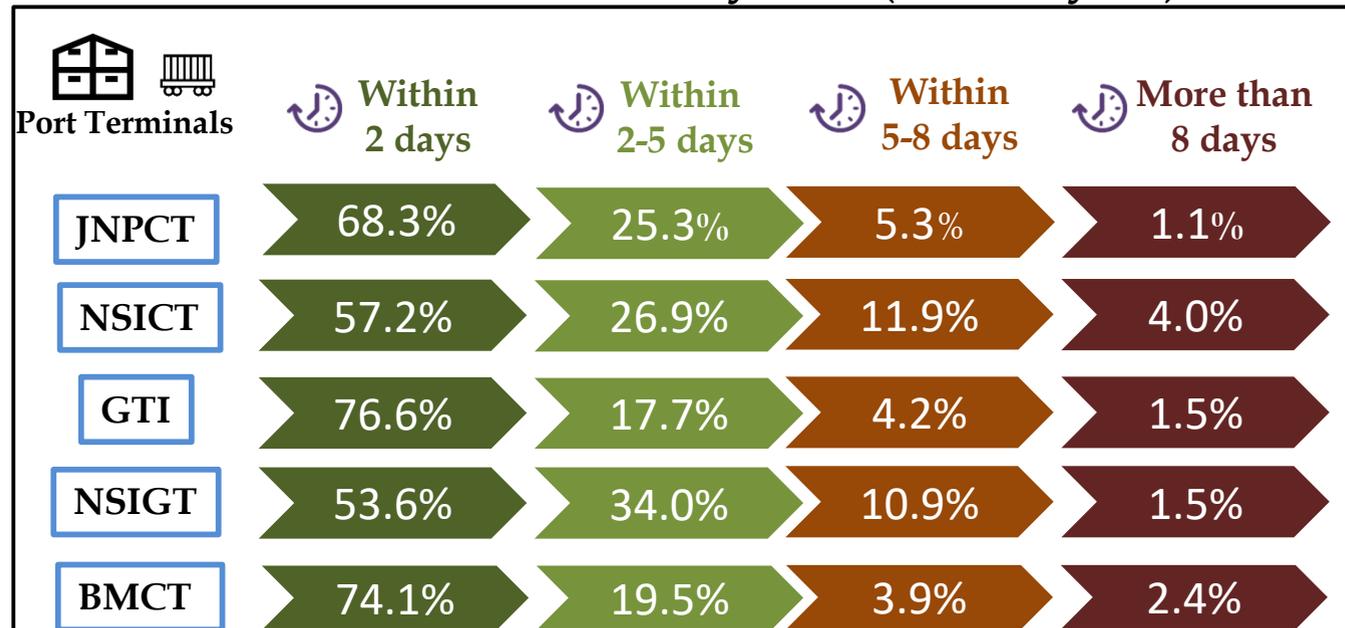
## PORT IMPORT via TRAIN

**(6% 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	January'21 (in hrs)	February'21 (in hrs)
JNPCT	43.0	34.1
NSICT	44.5	41.1
GTI	43.0	26.5
NSIGT	63.5	46.6
BMCT	62.2	20.4

### Container Handled: Day wise (February'21 )



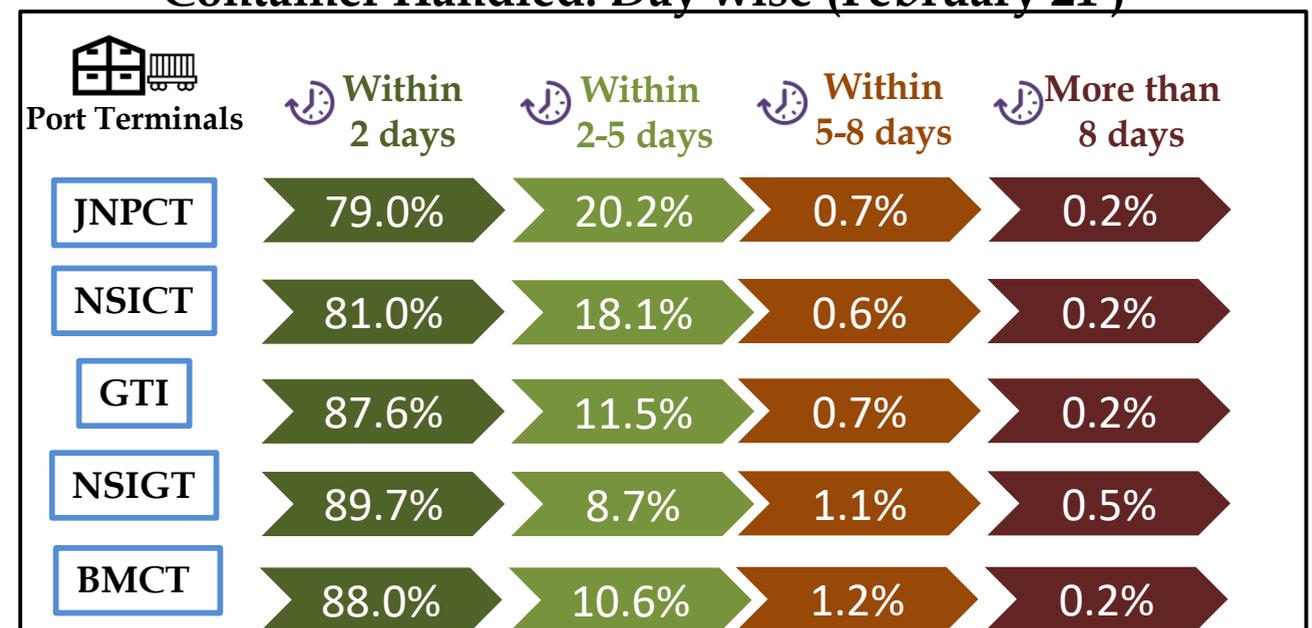
## PORT IMPORT via TRUCK

**(94% 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	January'21 (in hrs)	February'21 (in hrs)
JNPCT	27.0	32.1
NSICT	19.4	24.3
GTI	15.8	18.4
NSIGT	16.7	18.2
BMCT	19.8	21.3

### Container Handled: Day wise (February'21 )



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

<b>JNPCT</b>		
<b>Port Dwell time based on transit type</b>		
<b>February'21</b>	<b>Direct Port Delivery containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	43.2 hrs	31.3 hrs
<b>Port Dwell time based on container type</b>		
<b>February'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	31.7 hrs	37.5 hrs

<b>GTI</b>		
<b>Port Dwell time based on transit type</b>		
<b>February'21</b>	<b>Direct Port Delivery containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	42.5 hrs	16.0 hrs
<b>Port Dwell time based on transit type</b>		
<b>February'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	18.6 hrs	31.4 hrs

# JNPT Port Terminal: Dwell Time Performance (Import Cycle)

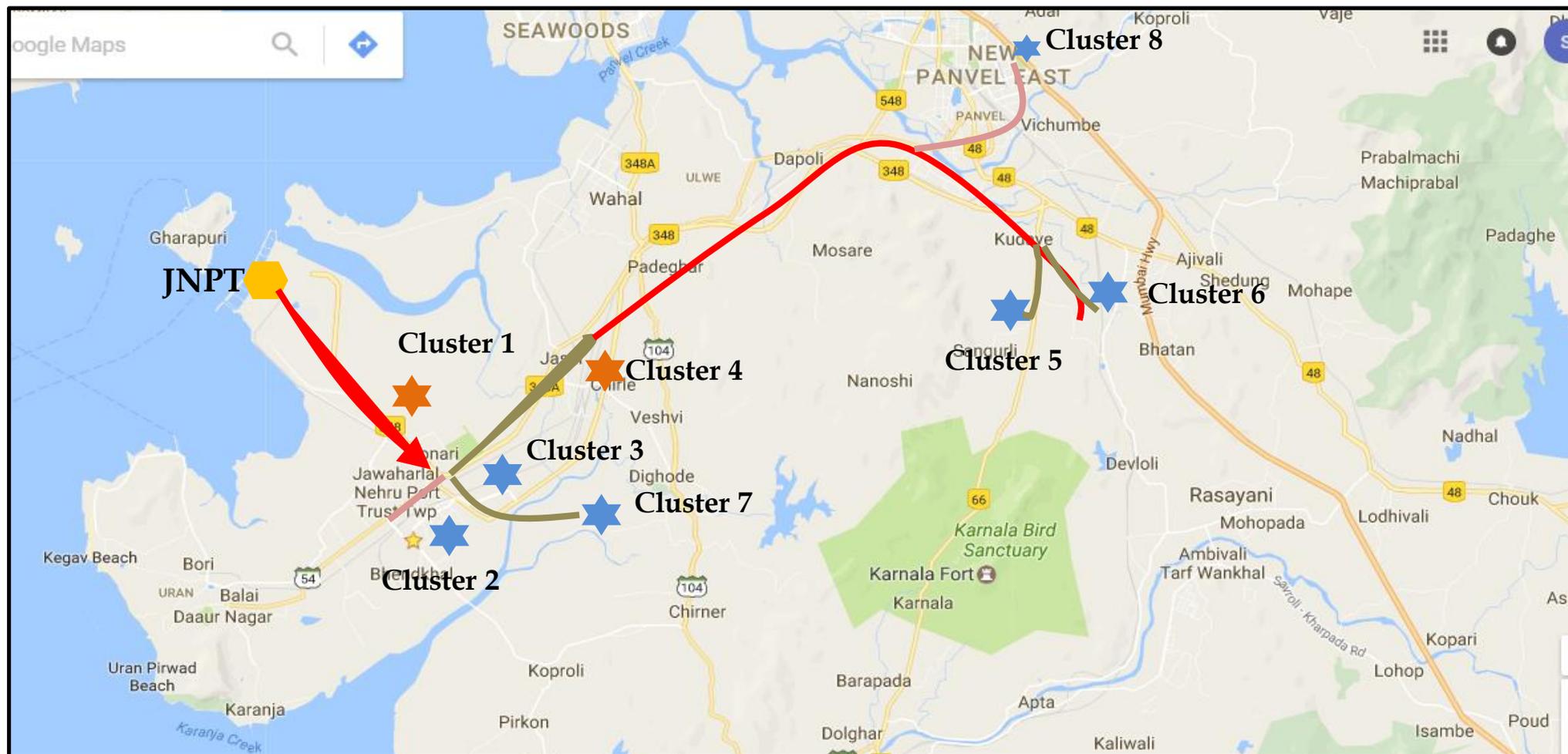
The below tables depict the detailed JNPT region port performance in the month of February'21

NSICT		
Port Dwell time based on transit type		
February'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	53.3 hrs	17.8 hrs
December		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	20.9 hrs	37.4 hrs

NSIGT		
Port Dwell time based on transit type		
January'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	63.3 hrs	15.1 hrs
Port Dwell time based on container type		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	19.7 hrs	27.6 hrs

BMCT		
Port Dwell time based on transit type		
January'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	37.7 hrs	19.4 hrs
Port Dwell time based on container type		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	19.1 hrs	37.8 hrs

The Below map indicate congestion around JNPT region in Import Cycle in month of February'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 (Red line)
- Medium Congestion (Brown line)
- Low Congestion (Grey 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

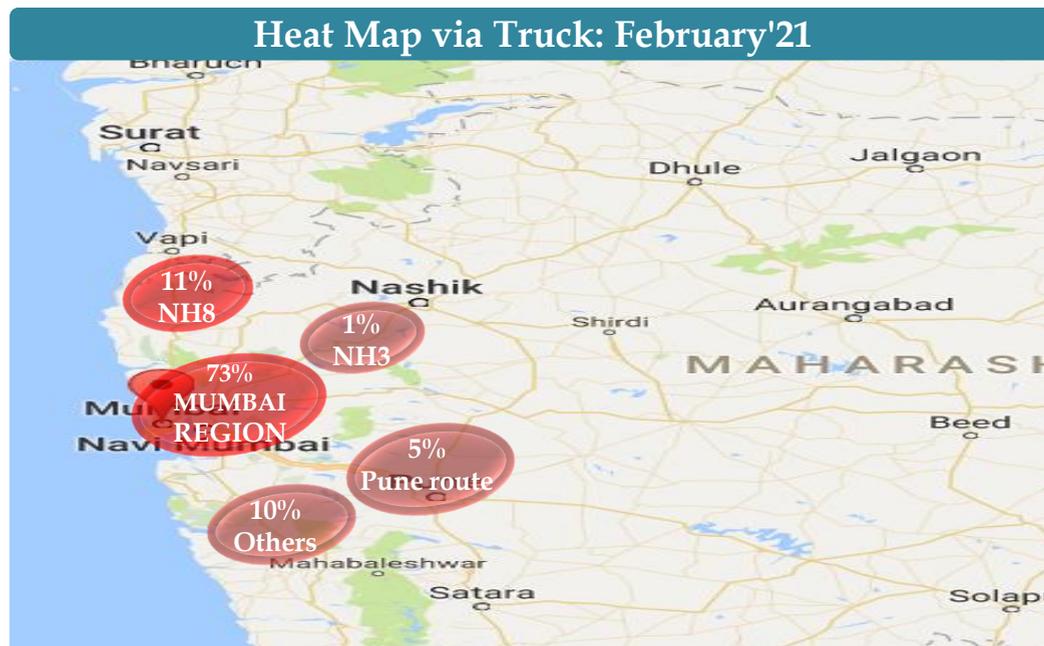
The below table and graphs depict the container movement across JNPT port region in Import cycle

## Truck

### HEAT MAP : OVERALL MUMBAI REGION

Region	February'21
Mumbai region	73%
NH3	1%
Pune	5%
NH8	11%
others	10%

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

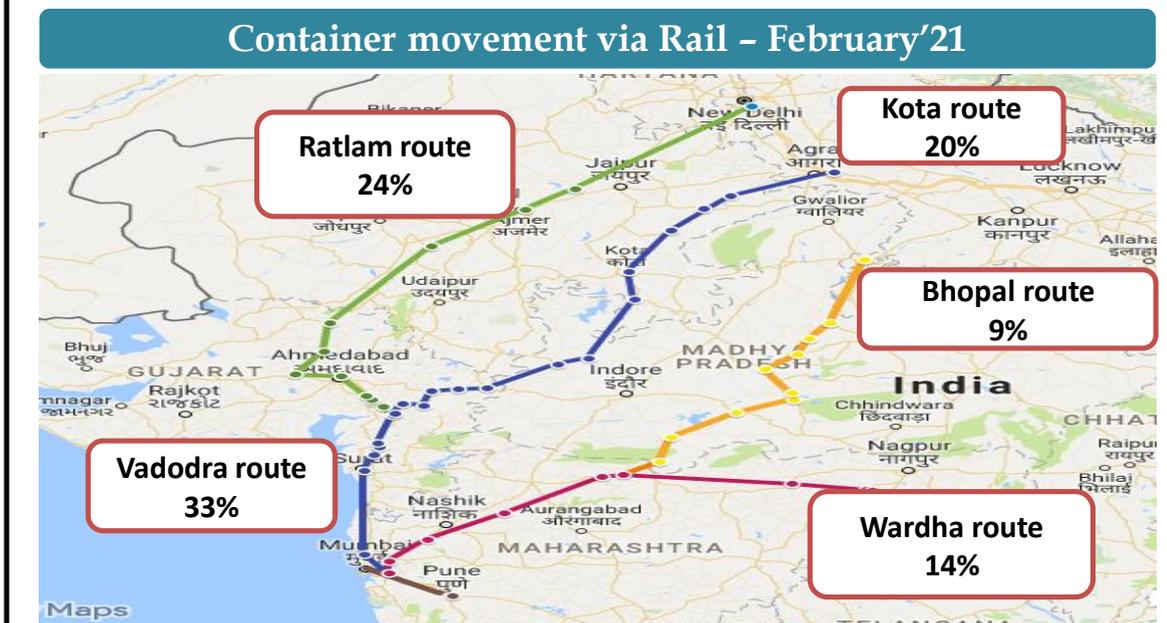


## Train

### VOLUME WISE CONTAINER MOVEMENT

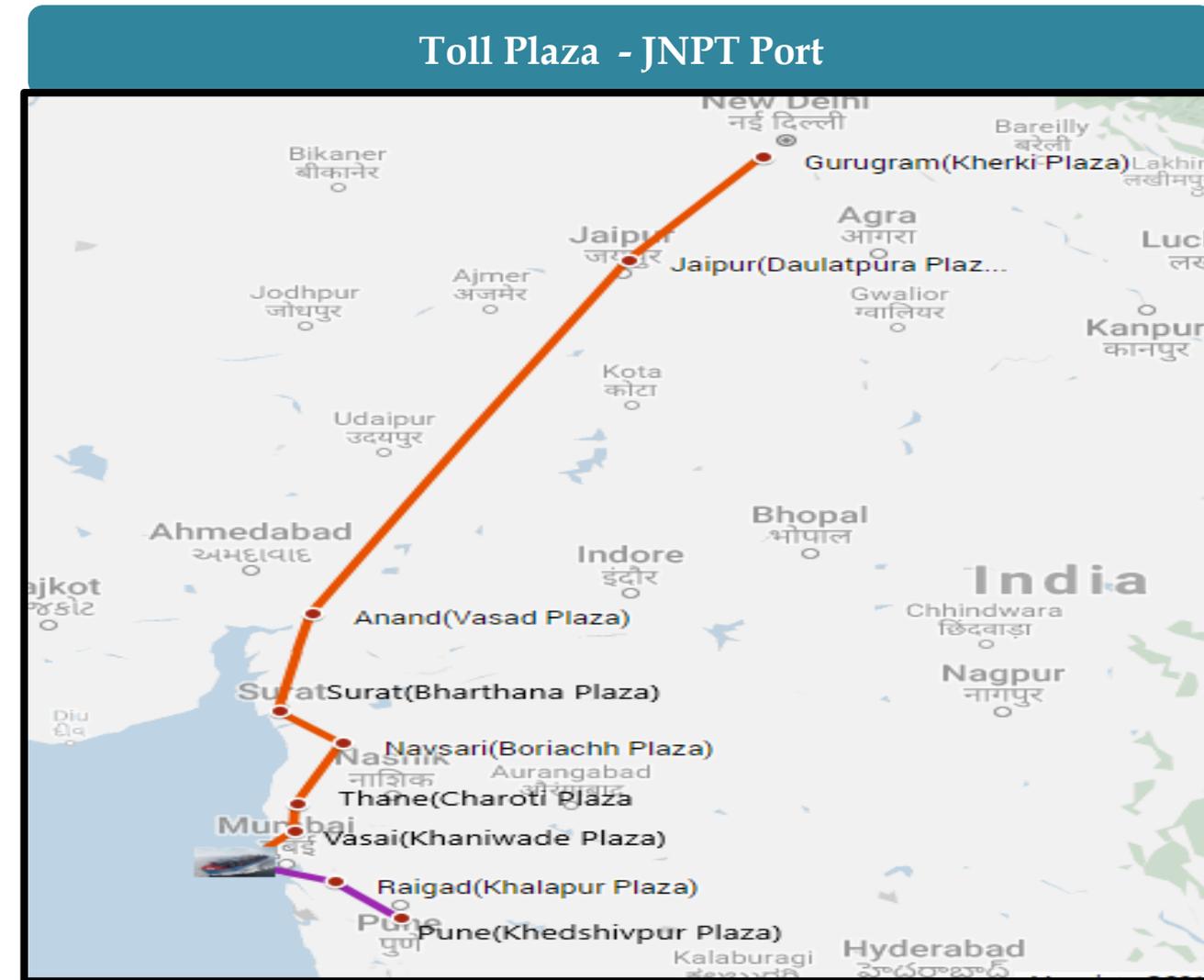
Region	February'21
Vadodra Route	33%
Ratlam Route	24%
Wardha Route	14%
Kota Route	20%
Bhopal Route	9%

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)	Jan'21 (in km/hrs)	Feb'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	14.3	14.7
	JNPT	Khalapur	60	13.3	7.8
	Khaniwade	Charoti	50	36.8	37.2
	Charoti	Boriach	126	29.4	29.6
	Boriach	Bharthan	142	32.1	33.0
	Bharthan	Vasad	60	39.3	38.8
	Khalalpur	Khedshivpur	105	35.3	33.8
	Daulatpura	Kherki	199	8.8	16.6



# Export Cycle Analysis

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

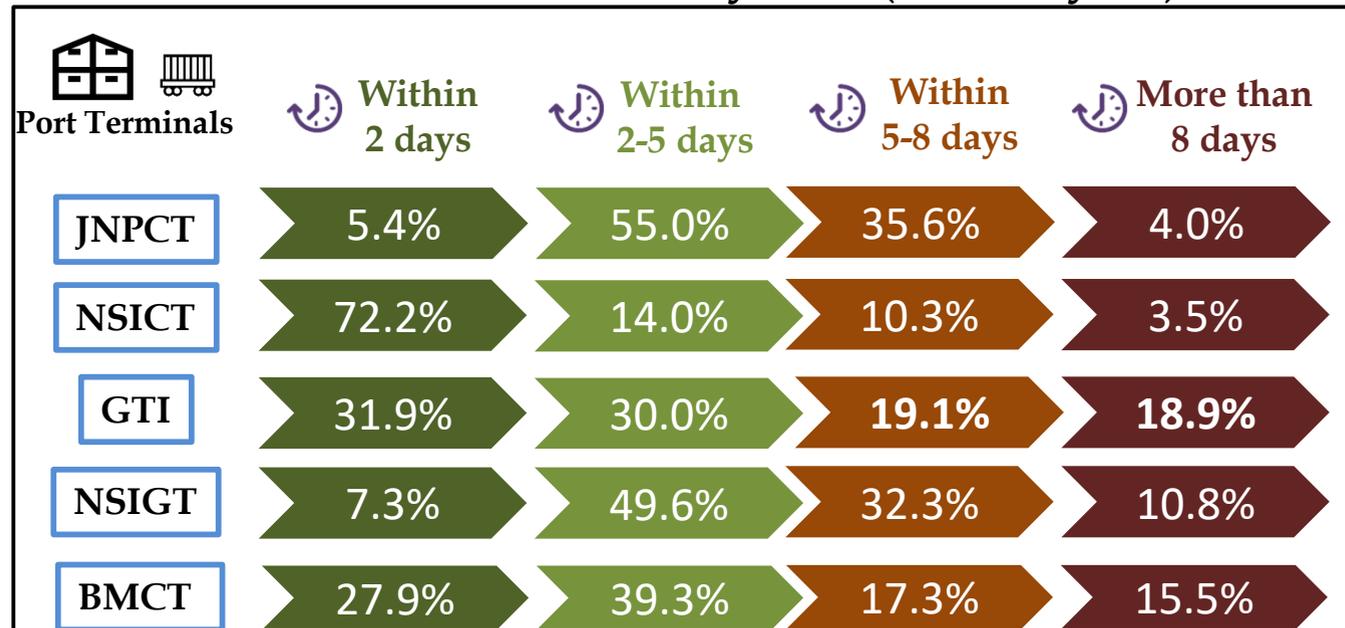
## PORT EXPORT via TRAIN

**(26% 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	January'21 (in hrs)	February'21 (in hrs)
JNPCT	131.1	107.82
NSICT	13.9	16.27
GTI	105.3	87.78
NSIGT	119.4	108.55
BMCT	89.6	81.57

### Container Handled: Day wise (February'21 )



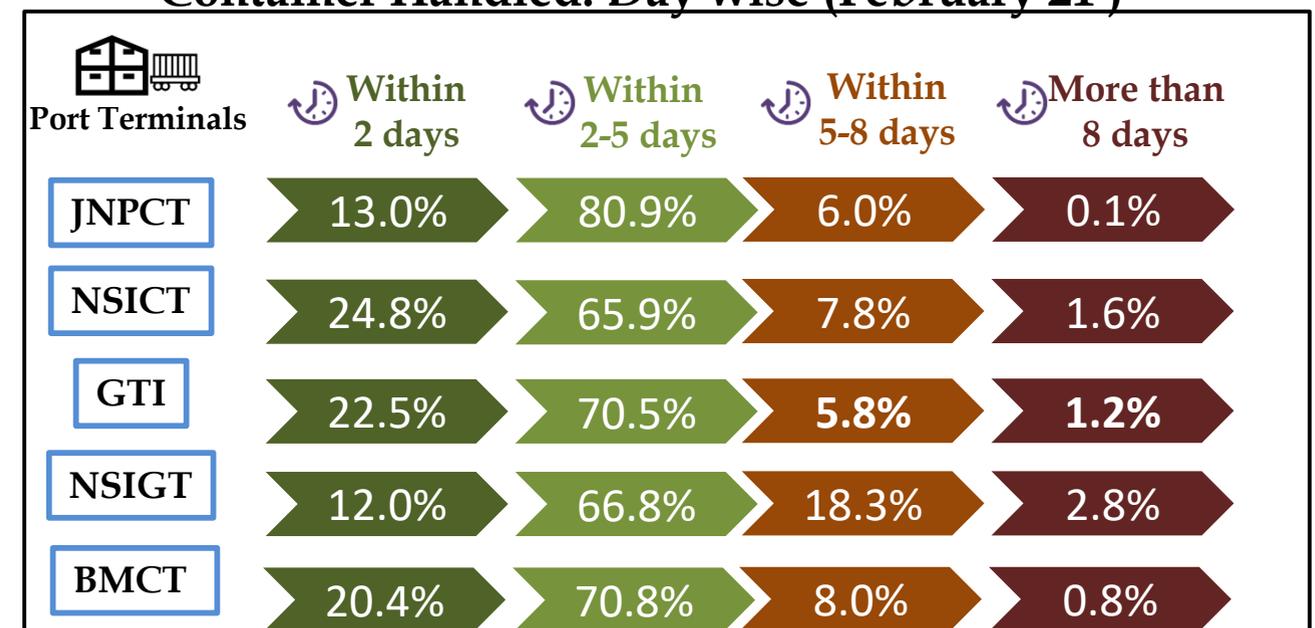
## PORT EXPORT via TRUCK

**(74% 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	January'21 (in hrs)	February'21 (in hrs)
JNPCT	74.9	78.98
NSICT	73.7	73.15
GTI	67.6	73.30
NSIGT	85.3	91.28
BMCT	77.1	76.68

### Container Handled: Day wise (February'21 )



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

<b>JNPCT</b>		
<b>Port Dwell time based on transit type</b>		
<b>February'21</b>	<b>Direct Port Exports containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	83.6 hrs	76.2 hrs
<b>Port Dwell time based on container type</b>		
<b>February'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	82.0 hrs	77.3 hrs

<b>GTI</b>		
<b>Port Dwell time based on transit type</b>		
<b>February'21</b>	<b>Direct Port Exports containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	85.2 hrs	74.9 hrs
<b>Port Dwell time based on container type</b>		
<b>February'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	71.5 hrs	62.6 hrs

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

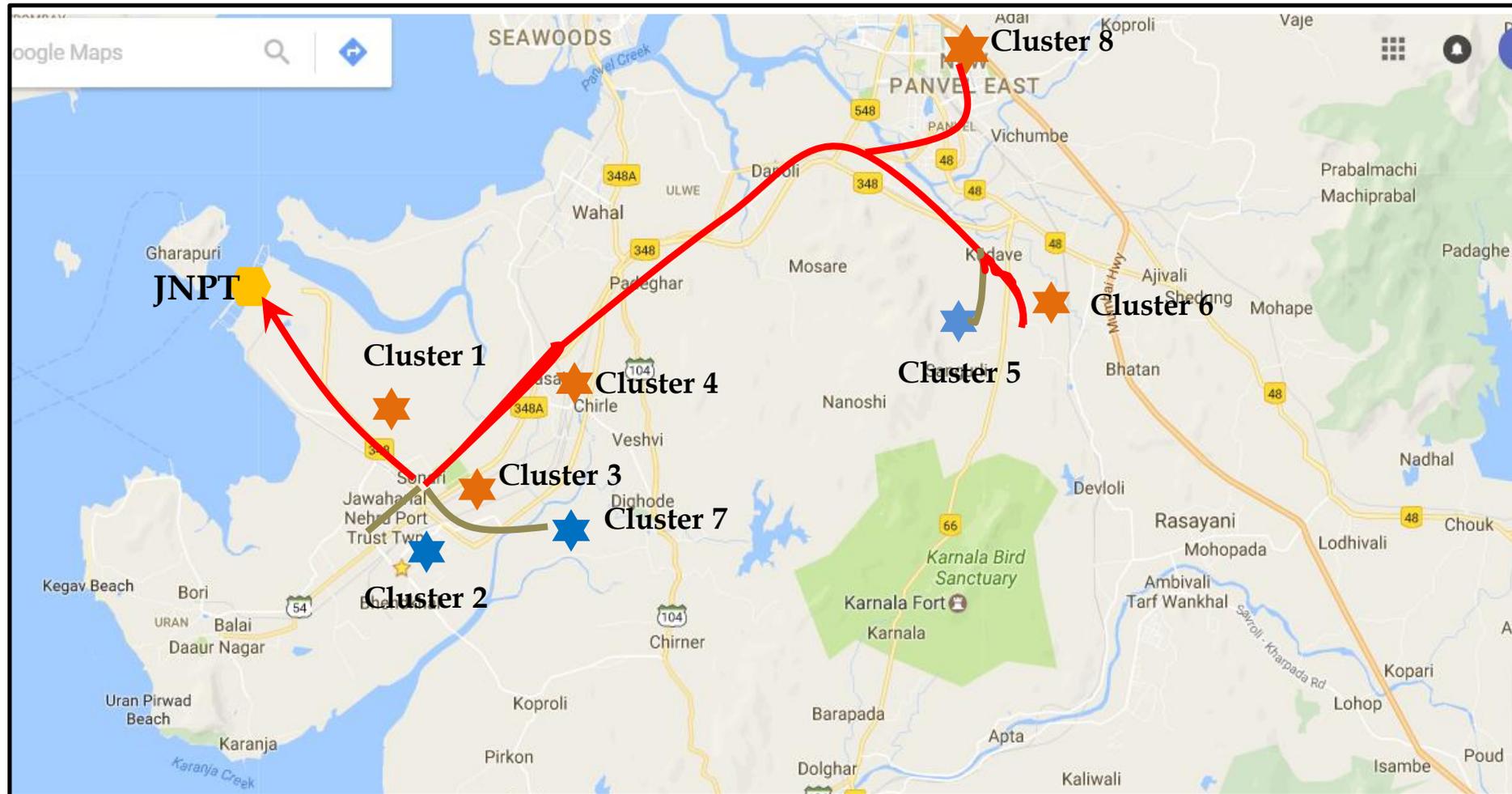
NSICT		
Port Dwell time based on transit type		
February'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	76.8 hrs	70.2 hrs
Port Dwell time based on container type		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	72.0 hrs	46.8 hrs

NSIGT		
Port Dwell time based on transit type		
February'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	97.1 hrs	89.7 hrs
Port Dwell time based on container type		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	92.5 hrs	56.9 hrs

BMCT		
Port Dwell time based on transit type		
February'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	72.3 hrs
Port Dwell time based on container type		
February'21	Laden Containers	Empty Containers
Dwell time (in hrs)	75.8 hrs	75.2 hrs

# JNPT Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 8	Taloja, Navi Mumbai
Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 5	Plaspa area, Coach Kanyakumari Highway
CLUSTER 7	Patilpada area, Khopate JNPT road

**Legends**

- High Congestion (Red line)
- Medium Congestion (Brown line)
- Low Congestion (Light Brown 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]

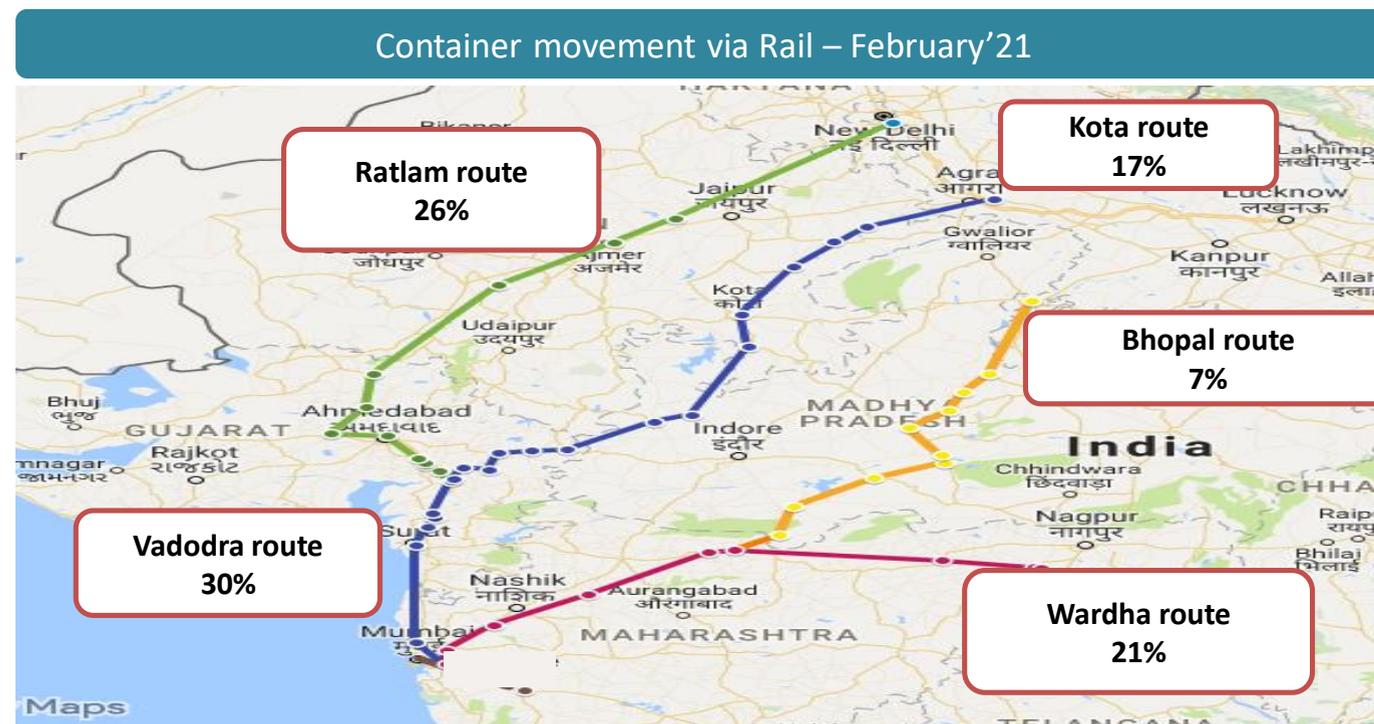
**BMCT Terminal**

**Congestion Level**  
Export Cycle :- [Brown 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	26%
Wardha Route	21%
Kota Route	17%
Bhopal Route	7%

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



# CFS and ICD Performance

## JNPT region CFS : CFS DWELL TIME ANALYSIS

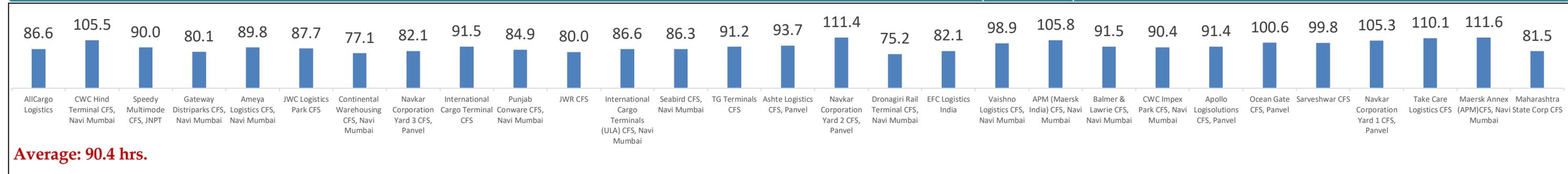
Below table and graphs show the dwell time of the respective CFSs for the month of February'21

**CFS Dwell Time (in hrs.)**

CFS	Jan'21 (in hrs)	Feb'21 (in hrs)
AllCargo Logistics	90.5	86.6
CWC Hind Terminal CFS, Navi Mumbai	95.9	105.5
Speedy Multimode CFS, JNPT	86.5	90.0
Gateway Distriparks CFS, Navi Mumbai	89.1	80.1
Ameya Logistics CFS, Navi Mumbai	94.9	89.8
JWC Logistics Park CFS	89.5	87.7
Continental Warehousing CFS, Navi Mumbai	82.1	77.1
Navkar Corporation Yard 3 CFS, Panvel	83.6	82.1
International Cargo Terminal CFS	91.9	91.5
Punjab Conware CFS, Navi Mumbai	83.0	84.9
JWR CFS	79.9	80.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	90.6	86.6
Seabird CFS, Navi Mumbai	100.1	86.3
TG Terminals CFS	95.9	91.2
Ashte Logistics CFS, Panvel	93.0	93.7

CFS	Jan'21 (in hrs)	Feb'21 (in hrs)
Navkar Corporation Yard 2 CFS, Panvel	98.7	111.4
Dronagiri Rail Terminal CFS, Navi Mumbai	44.0	75.2
EFC Logistics India	81.1	82.1
Vaishno Logistics CFS, Navi Mumbai	109.8	98.9
APM (Maersk India) CFS, Navi Mumbai	94.9	105.8
Balmer & Lawrie CFS, Navi Mumbai	89.7	91.5
CWC Impex Park CFS, Navi Mumbai	91.0	90.4
Apollo Logisolutions CFS, Panvel	91.3	91.4
Ocean Gate CFS, Panvel	99.9	100.6
Sarveshwar CFS	108.4	99.8
Navkar Corporation Yard 1 CFS, Panvel	109.5	105.3
Take Care Logistics CFS	126.8	110.1
Maersk Annex (APM)CFS, Navi Mumbai	111.9	111.6
Maharashtra State Corp CFS	74.9	81.5

**CFS - DWELL OVERVIEW - FEBRUARY'21 ( IN HRS)**

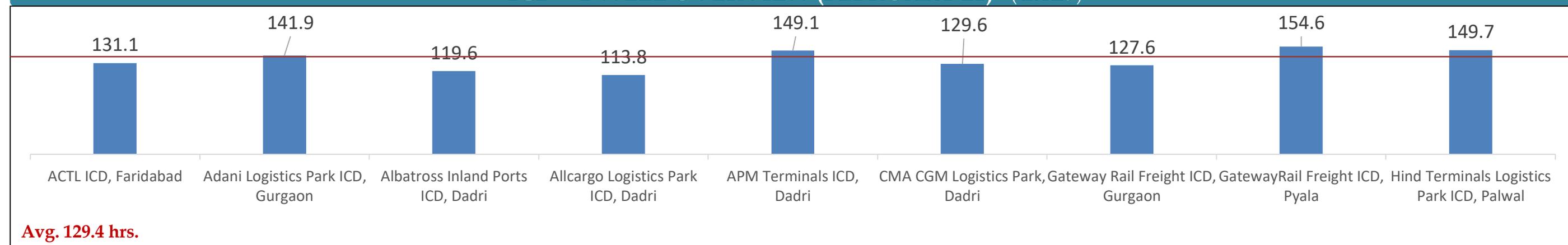


## ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Jan'21 (in hrs)	Feb'21 (in hrs)
ACTL ICD, Faridabad	118.1	131.1
Adani Logistics Park ICD, Gurgaon	123.1	141.9
Albatross Inland Ports ICD, Dadri	126.9	119.6
Allcargo Logistics Park ICD, Dadri	117.2	113.8
APM Terminals ICD, Dadri	140.4	149.1
CMA CGM Logistics Park, Dadri	119.7	129.6
Gateway Rail Freight ICD, Gurgaon	110.0	127.6
GatewayRail Freight ICD, Pyala	163.6	154.6
Hind Terminals Logistics Park ICD, Palwal	125.0	149.7

### ICD - DWELL OVERVIEW (FEBRUARY'21) (In Hrs)

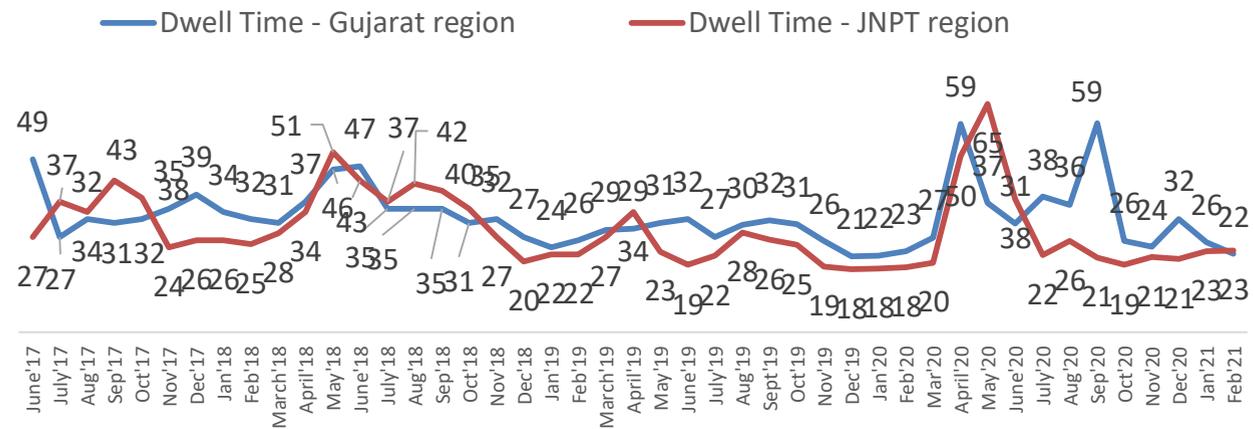


# Trend Analysis

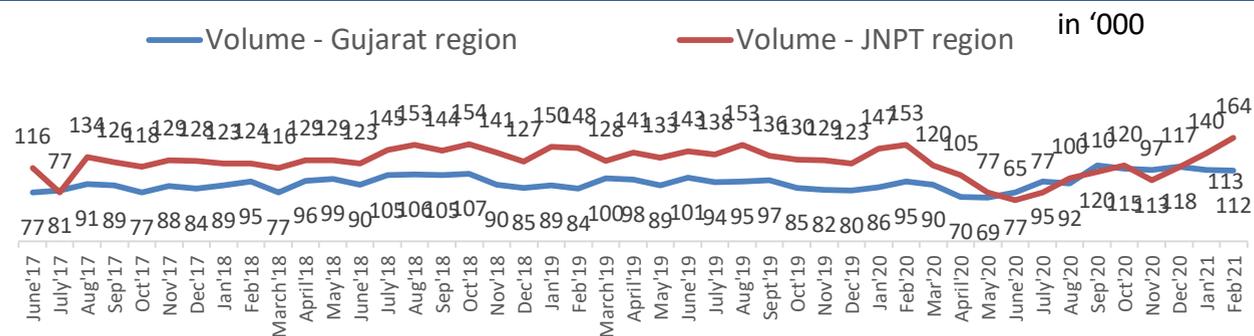
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until February'21

## Import Cycle

### Dwell Time – Gujarat Region Vs JNPT Region



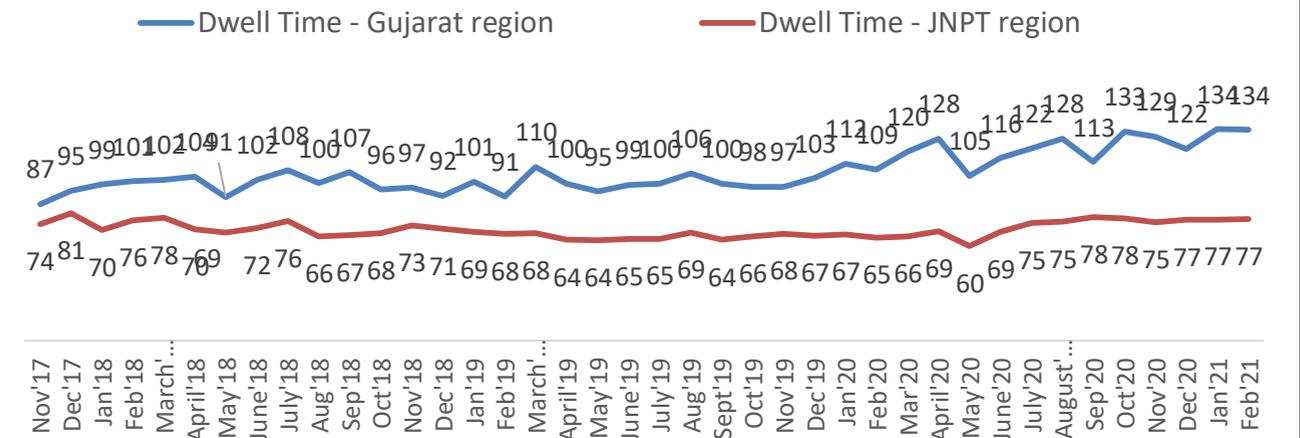
### Volume – Gujarat Region Vs JNPT Region



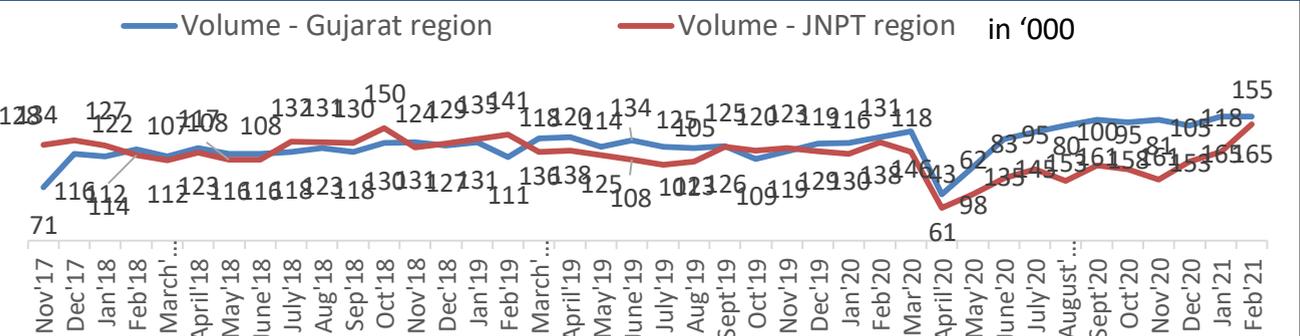
In Import cycle, for the month of February'21 APSEZ port has catered 46% less volume than JNPT Port, and has maintained 5% lower dwell time than JNPT Port.

## Export Cycle

### Dwell Time – Gujarat Region Vs JNPT Region



### Volume – Gujarat Region Vs JNPT Region

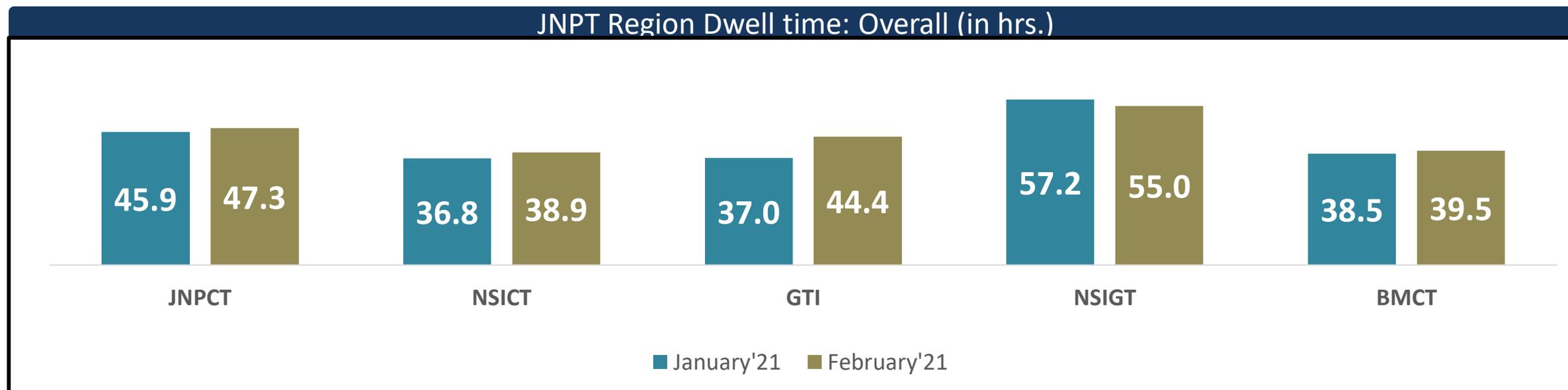


In Export cycle, for the month February'21 JNPT port catered 6% less volume than APSEZ Port, and has maintained 42% lower dwell time than APSEZ Port

# 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

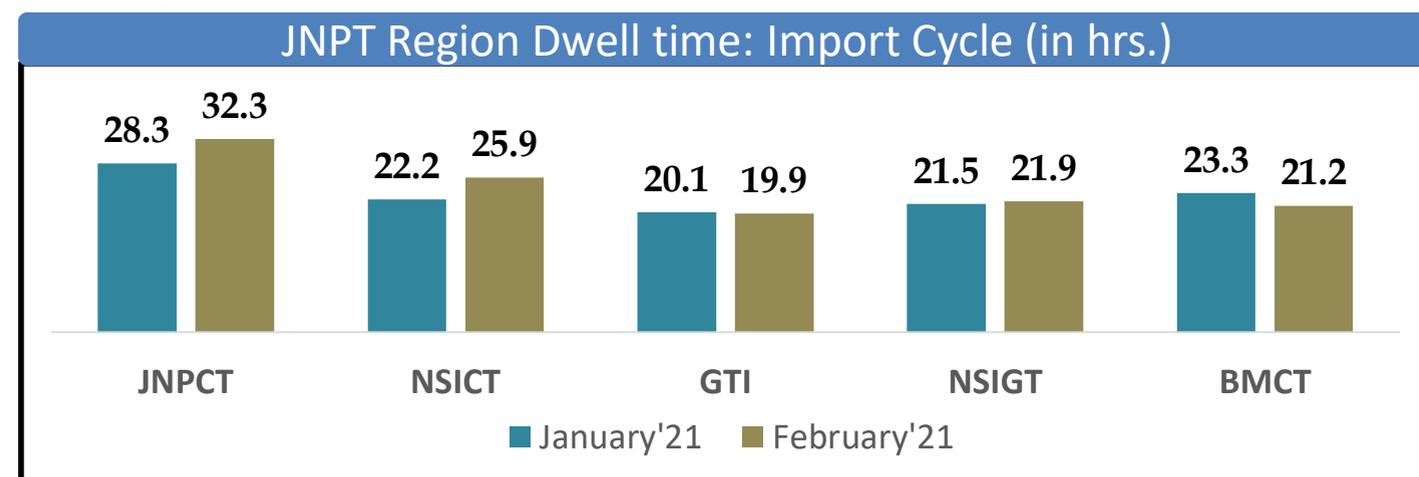


The overall JNPT region average dwell time for Feb'21 is 44.2 hrs as compared to 42.1 hrs in Jan'21

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

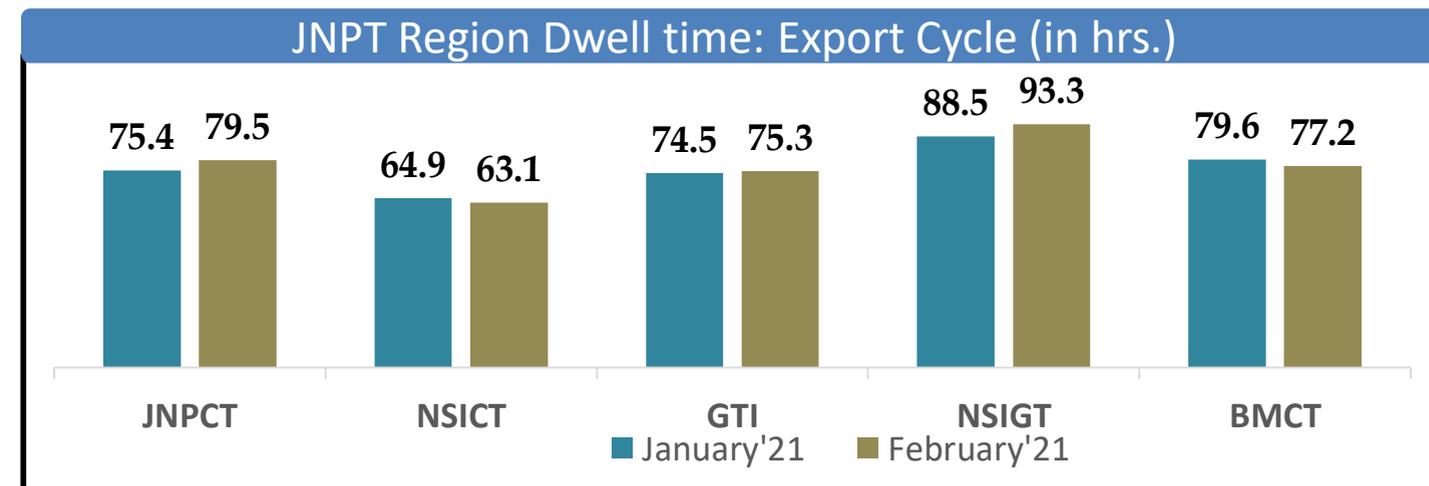
### JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for February'21 is 24.2 hrs.



### JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for February'21 is 77.7 hrs.



# ANNEXURE

# Container movement around JNPT Port terminal region via Truck

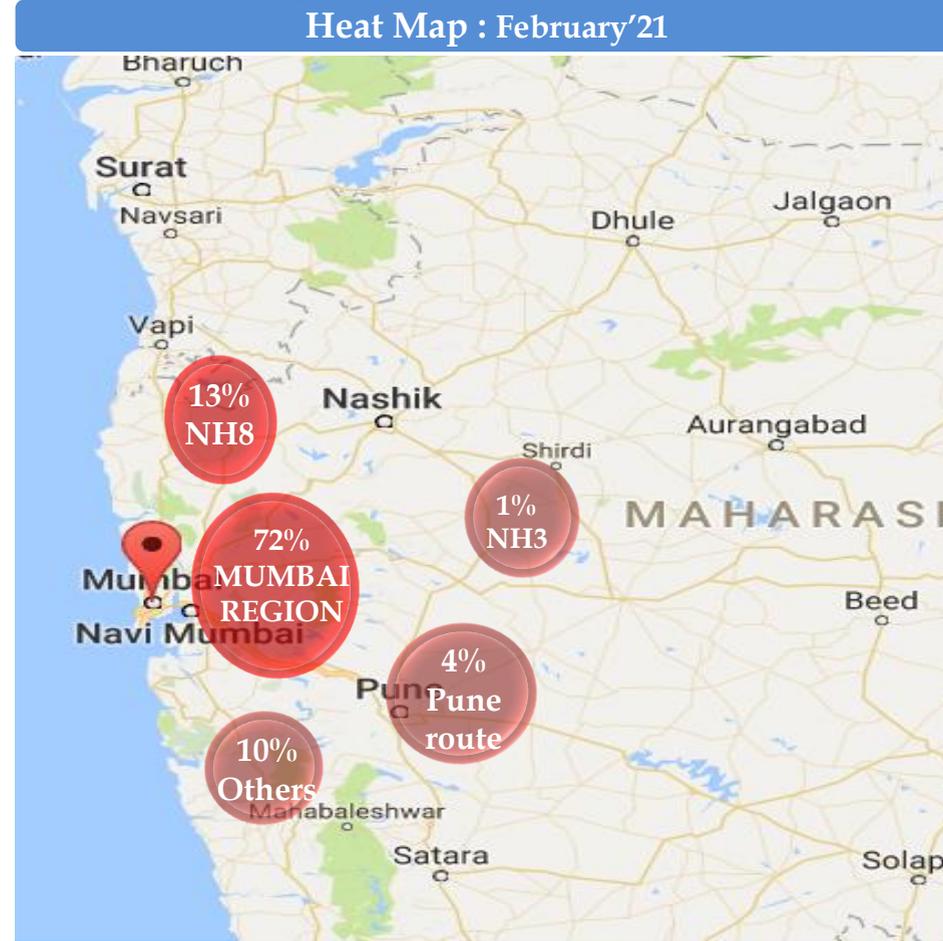
## HEAT MAP : GTI Port Terminal



Region	Jan'21	Feb'21
Mumbai region	23%	72%
NH3	5%	1%
Pune	23%	5%
NH8	39%	12%
others	10%	10%

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

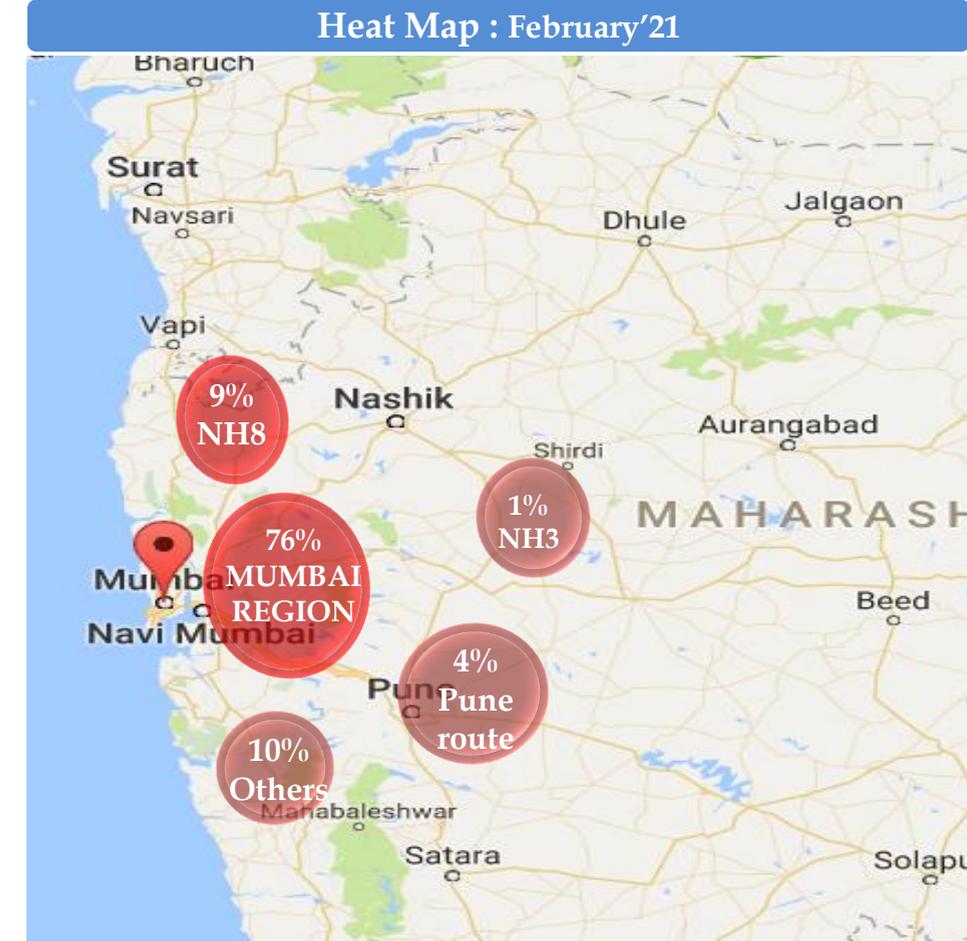
## HEAT MAP : JNPCT Port Terminal



Region	Jan'21	Feb'21
Mumbai region	51%	72%
NH3	4%	1%
Pune	10%	4%
NH8	25%	13%
others	10%	10%

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

## HEAT MAP : NSICT Port Terminal



Region	Jan'21	Feb'21
Mumbai region	62%	76%
NH3	2%	1%
Pune	10%	4%
NH8	16%	9%
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	Jan'21	Feb'21
Mumbai region	54%	75%
NH3	3%	1%
Pune	13%	5%
NH8	20%	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	Jan'21	Feb'21
Mumbai region	54%	71%
NH3	2%	1%
Pune	9%	5%
NH8	25%	13%
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 February'21					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.6	4.3	2.2	2.2	5.1
Punjab Conware CFS, Navi Mumbai	1.9	3.7	2.6	1.9	4.5
JWC Logistics Park CFS	3.0	3.3	3.3	1.9	7.3
CWC Hind Terminal CFS, Navi Mumbai	2.5	3.7	2.4	1.8	5.1
Dronogiri Rail Terminal CFS, Navi Mumbai	2.4	3.7	2.4	2.2	3.9
Navkar Corporation Yard 2 CFS, Panvel	6.3	5.0	6.0	3.9	8.4
Vaishno Logistics CFS, Navi Mumbai	1.9	4.4	4.4	3.4	4.8
Speedy Multimode CFS, JNPT	2.1	2.8	2.7	1.9	4.1
Balmer & Lawrie CFS, Navi Mumbai	1.9	7.1	1.5	3.1	2.4
Navkar Corporation Yard 3 CFS, Panvel	5.0	6.6	4.6	4.2	8.2
Ashte Logistics CFS, Panvel	2.8	4.2	2.8	2.8	7.8
Continental Warehousing CFS, Navi Mumbai	2.0	2.8	2.4	1.8	3.6
SBW Logistics CFS, Navi Mumbai	8.2	9.1	9.2	10.0	8.8
Maharashtra State Corp CFS	2.2	3.0	2.1	2.0	5.3
Internation Cargo Terminal CFS	3.0	2.9	1.8	2.0	4.0
Seabird CFS, Navi Mumbai	9.1	2.2	3.0	1.5	6.4
Apollo Logisolutions CFS, Panvel	5.9	5.8	5.0	3.6	7.5
Ameya Logistics CFS, Navi Mumbai	2.1	3.5	2.6	2.2	5.7
Transindia Logistics Park, Navi Mumbai	3.4	3.8	2.5	2.1	5.2
Ocean Gate CFS, Panvel	3.6	2.4	3.4	2.0	6.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5	2.7	3.1	2.3	9.5
Indev Logistics CFS, Panvel	3.6	4.5	3.0	4.1	3.2
CWC Dronagiri CFS, Navi Mumbai	1.8	2.9	2.9	2.9	4.1
APM (Maersk India) CFS, Navi Mumbai	1.9	2.3	2.6	1.8	4.0

# 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	Feb'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.1
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	3.9
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	2.8
Balmer & Lawrie CFS, Navi Mumbai	2.4
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	5.5
Navkar Corporation Yard 1 CFS, Panvel	4.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	1.9
Apollo Logisolutions CFS, Panvel	3.4
Navkar Corporation Yard 2 CFS, Panvel	4.4
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	4.0
JWC Logistics Park CFS	4.4
SBW Logistics CFS, Navi Mumbai	3.2
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	2.4

## 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	Feb'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.6
APM (Maersk India) CFS, Navi Mumbai	1.5
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	2.9
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	5.6
Seabird CFS, Navi Mumbai	3.6
Balmer & Lawrie CFS, Navi Mumbai	2.1
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	26.8
Navkar Corporation Yard 1 CFS, Panvel	3.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.1
Maersk Annex (APM)CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	3.4
Navkar Corporation Yard 2 CFS, Panvel	4.6
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	3.5
JWC Logistics Park CFS	4.9
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	1.9

# 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	Feb'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.8
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	2.9
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	6.4
Seabird CFS, Navi Mumbai	3.0
Balmer & Lawrie CFS, Navi Mumbai	2.4
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.2
Dronogiri Rail Terminal CFS, Navi Mumbai	22.8
Navkar Corporation Yard 1 CFS, Panvel	6.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.2
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	5.6
Navkar Corporation Yard 2 CFS, Panvel	7.2
Punjab Conware CFS, Navi Mumbai	3.0
Vaishno Logistics CFS, Navi Mumbai	3.2
JWC Logistics Park CFS	4.6
SBW Logistics CFS, Navi Mumbai	4.9
Ocean Gate CFS, Panvel	3.4
Maharashtra State Corp CFS	25.9

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

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

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

CFS	Feb'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.3
Transindia Logistics Park, Navi Mumbai	2.3
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	5.0
Seabird CFS, Navi Mumbai	3.0
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	18.9
Navkar Corporation Yard 1 CFS, Panvel	6.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.3
Maersk Annex (APM)CFS, Navi Mumbai	1.7
Speedy Multimode CFS, JNPT	2.8
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	6.1
Punjab Conware CFS, Navi Mumbai	2.8
Vaishno Logistics CFS, Navi Mumbai	4.9
JWC Logistics Park CFS	3.7
SBW Logistics CFS, Navi Mumbai	3.4
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	11.6

## 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	Feb'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.5
Indev Logistics CFS, Panvel	4.8
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	3.3
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.1
Dronogiri Rail Terminal CFS, Navi Mumbai	1.9
Navkar Corporation Yard 1 CFS, Panvel	4.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	2.2
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	5.4
Punjab Conware CFS, Navi Mumbai	2.2
Vaishno Logistics CFS, Navi Mumbai	4.1
JWC Logistics Park CFS	5.1
SBW Logistics CFS, Navi Mumbai	4.9
Ocean Gate CFS, Panvel	3.7
Maharashtra State Corp CFS	30.1

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 Feb'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	1.9	2.8
Cluster 2	6	13	1.9	3.3
Cluster 3	6	11	2.6	3.4
Cluster 4	1	13	4.0	4.4
Cluster 5	2	25	3.8	2.9
Cluster 6	6	25	3.9	5.0
Cluster 7	4	12	2.2	3.5
Cluster 8	1	34	3.2	9.1

## CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Feb'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	2.1
Cluster 2	6	13	2.1	2.5
Cluster 3	6	11	2.8	2.3
Cluster 4	1	13	3.5	1.9
Cluster 5	2	25	4.0	3.3
Cluster 6	6	25	3.8	5.0
Cluster 7	4	12	2.2	2.1
Cluster 8	1	34	3.7	8.2

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 Feb'21

NSIGT terminal for month of Feb'21

BMCT terminal for month of Feb'21

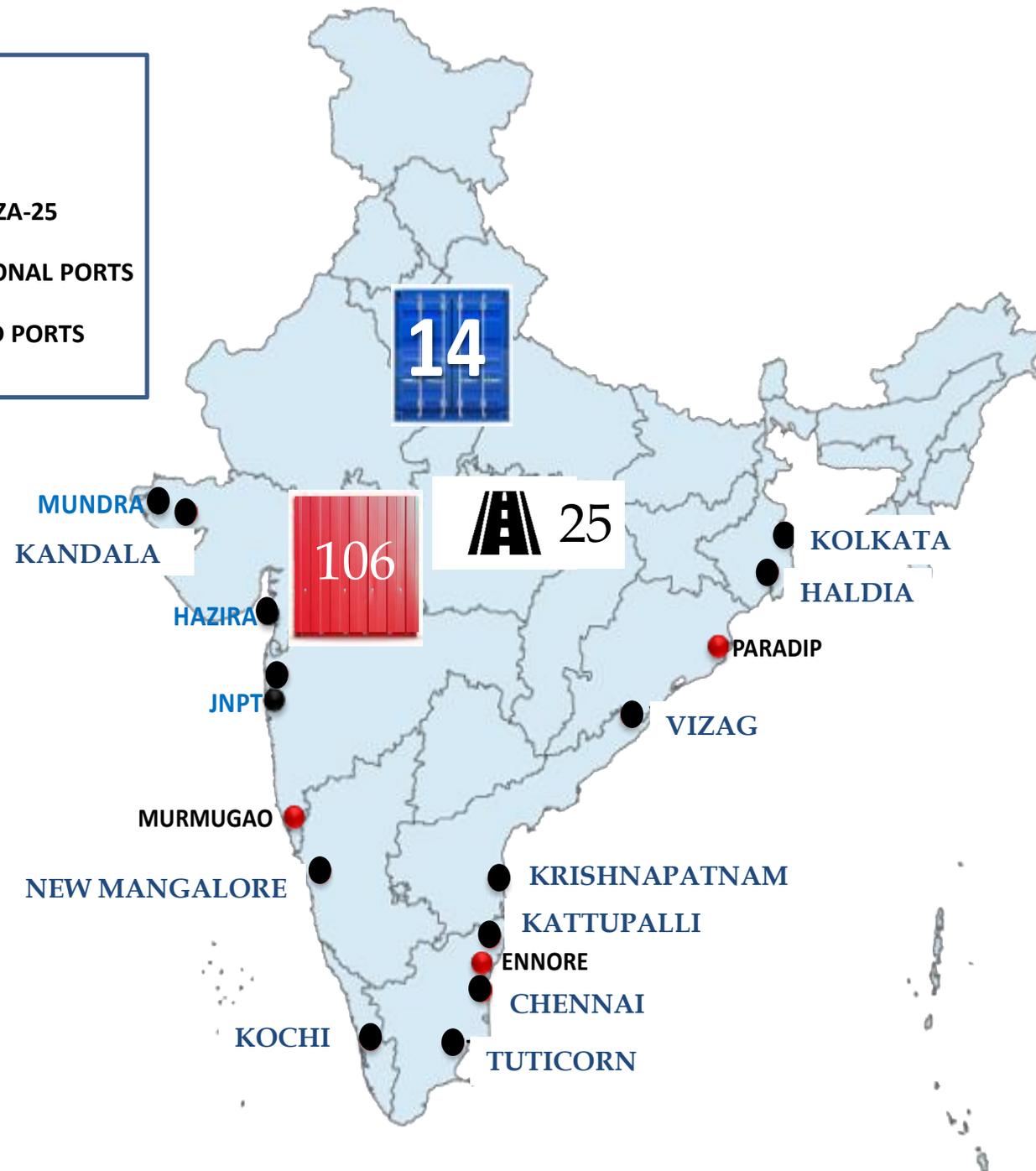
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.1	2.7
Cluster 2	6	13	2.2	2.3
Cluster 3	6	11	12.9	2.5
Cluster 4	1	13	3.2	0.0
Cluster 5	2	25	4.0	3.4
Cluster 6	6	25	5.9	4.6
Cluster 7	4	12	2.2	2.5
Cluster 8	1	34	4.9	9.2

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.8	1.9
Cluster 2	6	13	2.0	2.1
Cluster 3	6	11	2.0	2.0
Cluster 4	1	13	4.9	3.4
Cluster 5	2	25	3.4	2.0
Cluster 6	6	25	4.5	3.9
Cluster 7	4	12	2.3	2.1
Cluster 8	1	34	3.4	10.0

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	2.2	4.1
Cluster 2	6	13	2.0	4.6
Cluster 3	6	11	2.0	4.9
Cluster 4	1	13	4.1	4.8
Cluster 5	2	25	4.4	7.0
Cluster 6	6	25	4.4	7.8
Cluster 7	4	12	2.1	5.2
Cluster 8	1	34	4.9	8.8

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**

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



Below mentioned are all the CFS in the respective Clusters :

<p><b>Cluster 1</b> (JNPT Area)</p> <ul style="list-style-type: none"> <li>Speedy Multimode CFS, JNPT</li> </ul>	<p><b>Cluster 3</b> Sonari area, JNPT road</p> <ul style="list-style-type: none"> <li>Punjab Conware CFS, Navi Mumbai</li> <li>Dronogiri Rail Terminal CFS, Navi Mumbai</li> <li>CWC Impex Park CFS, Navi Mumbai</li> <li>CWC Dronagiri CFS, Navi Mumbai</li> <li>Maharashtra State Corp CFS</li> <li>Seabird CFS, Navi Mumbai</li> </ul>	<p><b>Cluster 6</b> (Salva apta rd area, Bangalore highway)</p> <ul style="list-style-type: none"> <li>Ashte Logistics CFS, Panvel</li> <li>Apollo Logisolutions CFS, Panvel</li> <li>Indev Logistics CFS, Panvel</li> <li>Navkar Corporation Yrd 1 CFS, Panvel</li> <li>Navkar Corporation Yard 2 CFS, Panvel</li> <li>Navkar Corporation Yard 3 CFS, Panvel</li> </ul>
<p><b>Cluster 2</b> (Bhendkhal area, Khopate road)</p> <ul style="list-style-type: none"> <li>APM (Maersk India) CFS, Navi Mumbai</li> <li>Maersk Annex (APM) CFS, Navi Mumbai</li> <li>Balmer &amp; Lawrie CFS, Navi Mumbai</li> <li>CWC Hind Terminal CFS, Navi Mumbai</li> <li>International Cargo Terminals (ULA) CFS, Navi Mumbai &amp; Infrastructure Private Limited</li> <li>Gateway Distriparks CFS, Navi Mumbai</li> <li>International Cargo Terminal CFS</li> </ul>	<p><b>Cluster 4</b> (Chirle area, JNPT road)</p> <ul style="list-style-type: none"> <li>Vaishno Logistics CFS, Navi Mumbai</li> </ul>	<p><b>Cluster 7</b> (Patilpada area, Khopate JNPT road)</p> <ul style="list-style-type: none"> <li>All Cargo Logistics CFS, Navi Mumbai</li> <li>Transindia Logistics Park, Navi Mumbai</li> <li>Ameya Logistics CFS, Navi Mumbai</li> <li>Continental Warehousing CFS, Navi Mumbai</li> </ul>
	<p><b>Cluster 5</b> (Plaspa area, Coachi kanyakumari Highway)</p> <ul style="list-style-type: none"> <li>JWC Logistics Park CFS</li> <li>Ocean Gate CFS, Panvel</li> </ul>	
	<p><b>Cluster 8</b> SBW</p>	

## List of CFS name used in CFS Performance Index

1	AllCargo Logistics	16	Navkar Corporation Yard 2 CFS, Panvel
2	CWC Hind Terminal CFS, Navi Mumbai	17	Dronagiri Rail Terminal CFS, Navi Mumbai
3	Speedy Multimode CFS, JNPT	18	EFC Logistics India
4	Gateway Distriparks CFS, Navi Mumbai	19	Vaishno Logistics CFS, Navi Mumbai
5	Ameya Logistics CFS, Navi Mumbai	20	APM (Maersk India) CFS, Navi Mumbai
6	JWC Logistics Park CFS	21	Balmer & Lawrie CFS, Navi Mumbai
7	Continental Warehousing CFS, Navi Mumbai	22	CWC Impex Park CFS, Navi Mumbai
8	Navkar Corporation Yard 3 CFS, Panvel	23	Apollo Logisolutions CFS, Panvel
9	International Cargo Terminal CFS	24	Ocean Gate CFS, Panvel
10	Punjab Conware CFS, Navi Mumbai	25	Sarveshwar CFS
11	JWR CFS	26	Navkar Corporation Yard 1 CFS, Panvel
12	International Cargo Terminals (ULA) CFS, Navi Mumbai	27	Take Care Logistics CFS
13	Seabird CFS, Navi Mumbai	28	Maersk Annex (APM)CFS, Navi Mumbai
14	TG Terminals CFS	29	Maharashtra State Corp CFS
15	Ashte Logistics CFS, Panvel		



**THANK YOU**