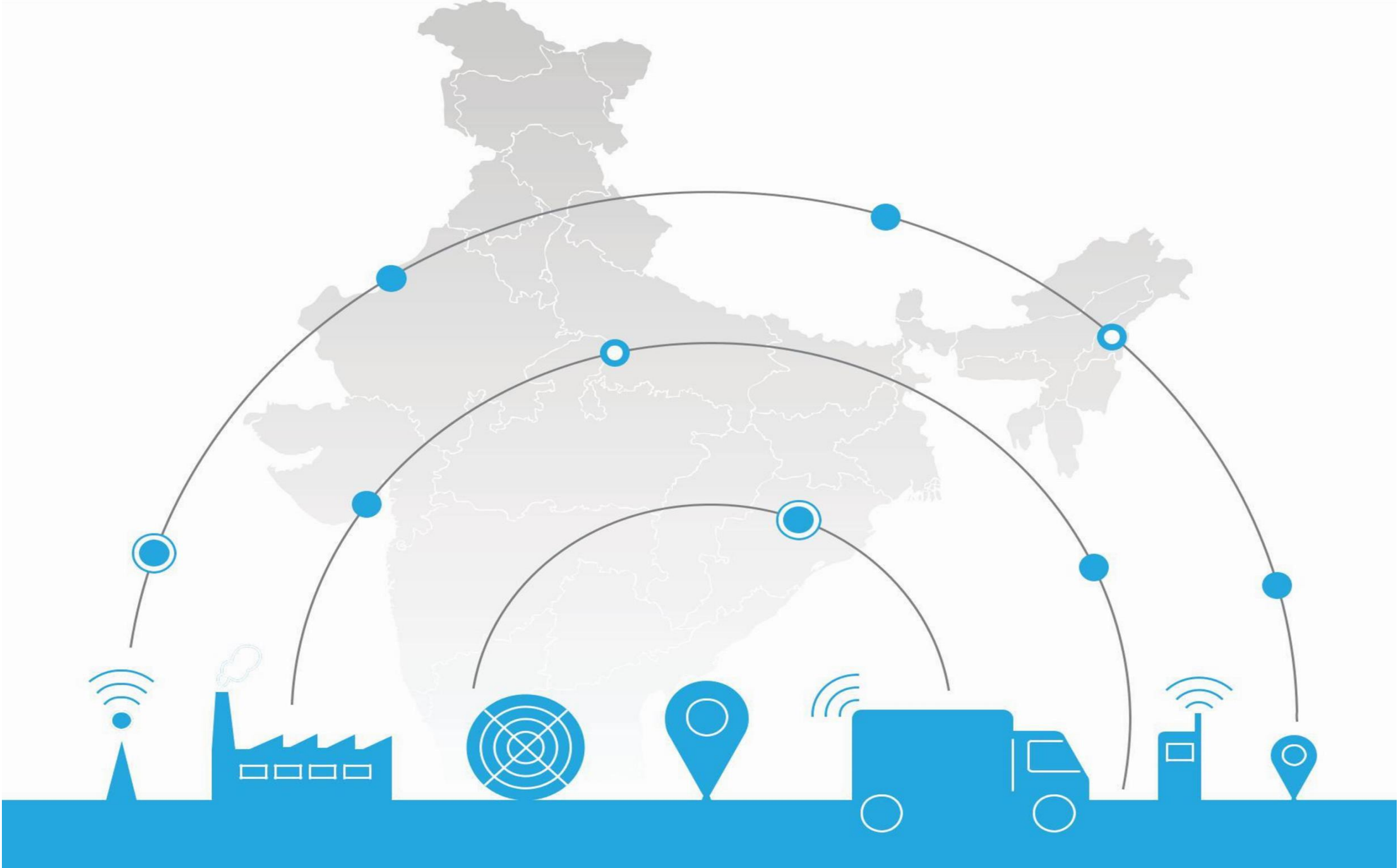


# Logistics Databank Analytics Report- JNPT – May'2021





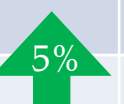
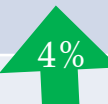
## Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Apr'21 (in hrs)	May'21 (in hrs)	Port	Apr'21 (in hrs)	May'21 (in hrs)
JNPCT	33.70	31.82	JNPCT	69.73	78.51
NSICT	20.52	19.67	NSICT	58.23	70.13
GTI	16.58	15.98	GTI	77.17	81.00
NSIGT	19.30	20.17	NSIGT	84.62	94.95
BMCT/PSA	21.17	18.00	BMCT/PSA	73.87	77.02

## Critical Incident Summary

### Jawaharlal Nehru Port Terminals

- Container handling performance has improved in Import Cycle and deteriorated 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
May'21	19.5 hrs 	81.6 hrs 	88.9 hrs 	130.9 hrs 
April'21	20.3 hrs	73.4 hrs	93.1 hrs	135.7 hrs

## Port Dwell Time

IMPORT

Mode	Apr'21 (in hrs)	May'21 (in hrs)
Overall	21.8	26.9
Truck	20.3	22.2
Train	41.0	66.0

EXPORT

Mode	Apr'21 (in hrs)	May'21 (in hrs)
Overall	95.7	104.1
Truck	92.5	101.9
Train	115.0	116.9

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Apr'21 (in hrs)	May'21 (in hrs)
CFS	93.8	93.0
ICD	135.7	130.9

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

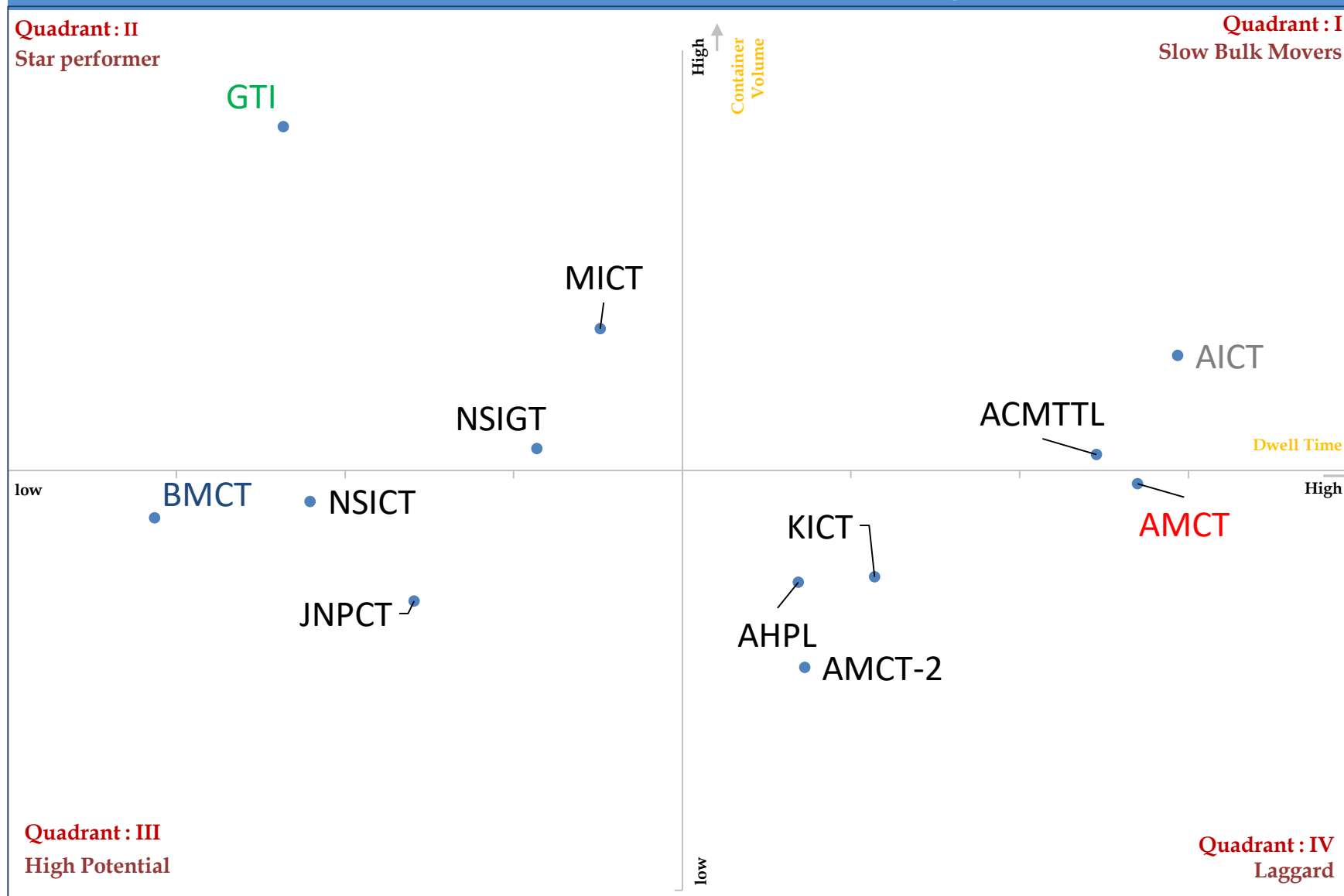
The marked entries showcase decrease in performance in comparison to Apr'21



## Performance Benchmarking - Port Terminals

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

### Port Terminal Performance Index - May'21



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

#### Top Performing Terminal

##### Gateway Terminals India (GTI)

Apr'21	May'21
37.7 Hrs	39.2 Hrs.

#### Low Performing Terminal

##### Adani Mundra Container Terminal (AMCT)

Apr'21	May'21
69.1 Hrs	103.3 Hrs

Note: The performance benchmarking is based on performance index



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

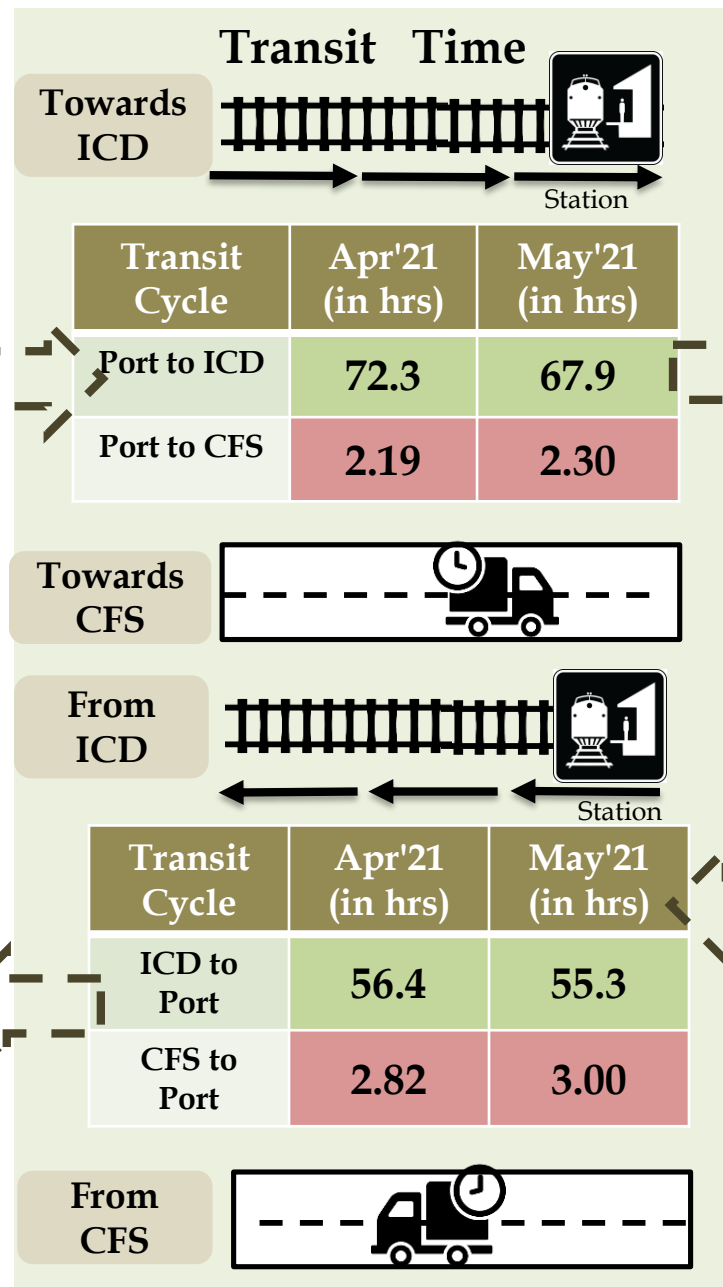
**Laggard :** consist of entities which have catered relatively lower container volume at higher dwell time

## Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	Apr'21 (in hrs)	May'21 (in hrs)
	Overall	20.3	19.5
	Truck	18.5	17.5
	Train	35.0	34.1

EXPORT	Mode	Apr'21 (in hrs)	May'21 (in hrs)
	Overall	73.4	81.6
	Truck	74.3	82.6
	Train	64.5	72.8



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

Entity	Apr'21 (in hrs)	May'21 (in hrs)
CFS	93.1	88.9
ICD	135.7	130.9

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

	Truck	Rail
Import	81%	19%
Export	77%	23%

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

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

## Container Lifecycle (Export Cycle)

# Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (May'21 - in hrs)			Compared to Apr'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	19.5	4% ↑
	Port Dwell Time for Truck Bound Containers	17.5	5% ↑
	Port Dwell time for Train Bound Containers	34.1	3% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	35.6	7% ↑
	Port Dwell time Containers bound for CFS	15.02	13% ↑
	Port Dwell for Empty Containers	31.7	14% ↓
	Port Dwell for Laden Containers	18.45	3% ↑
TRANSIT TIME	Port to ICD	67.9	6% ↑
	Port to CFS	2.3	5% ↓

EXPORT CYCLE DWELL TIME (May'21- in hrs)			Compared to Apr'21
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	81.6	11% ↓
	Port Dwell Time for Truck Bound Containers	82.6	11% ↓
	Port Dwell time for Train Bound Containers	72.8	11% ↓
	Port Dwell time Direct Port Entry (DPE) containers	85.05	12% ↓
	Port Dwell time Containers bound from CFS	83.5	14% ↓
	Port Dwell for Empty Containers	73.9	9% ↓
	Port Dwell for Laden Containers	81.2	12% ↓
TRANSIT TIME	ICD to Port	55.3	2% ↑
	CFS to Port	3.0	6% ↓

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

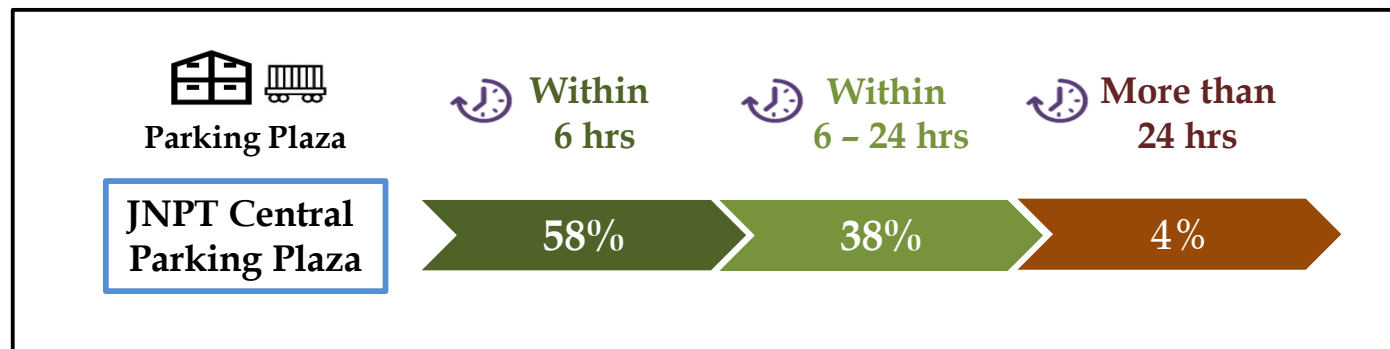
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle



## Parking Plaza Gate In - Gate Out

Mode	Apr'21 (in hrs)	May'21 (in hrs)
Overall Parking Plaza	5.7	5.2

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

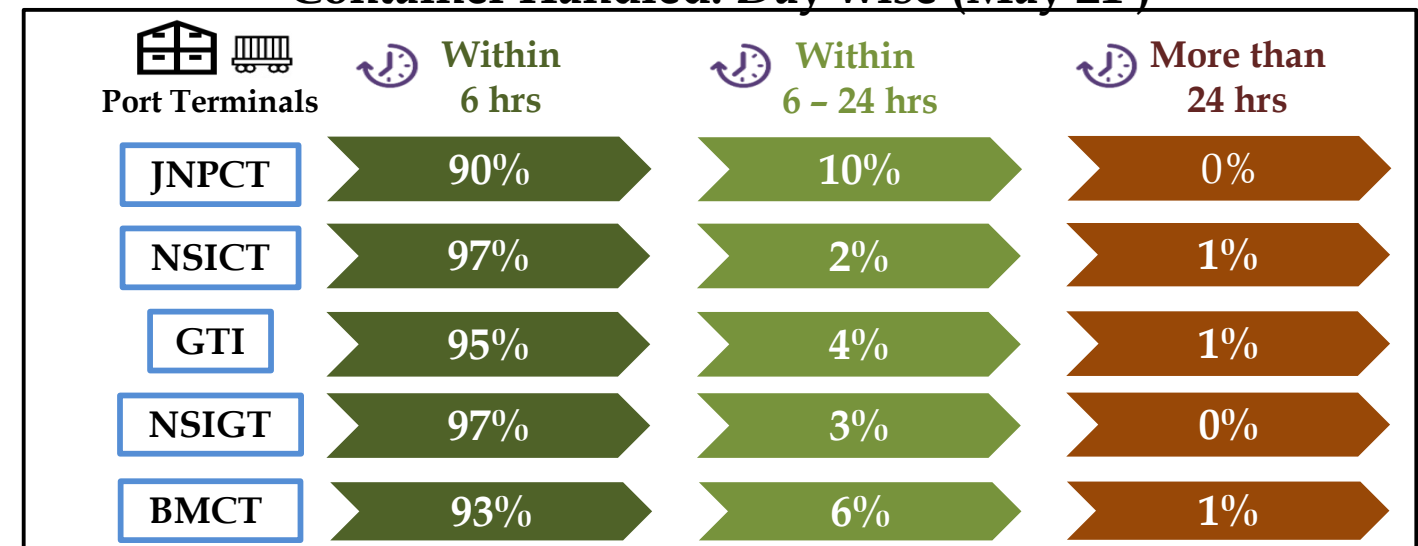


## Parking Plaza Gate Out - Terminal In

Mode	Apr'21 (in hrs)	May'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.5	1.1

Port	Apr'21 (in hrs)	May'21 (in hrs)
JNPCT	2.0	1.7
NSICT	1.4	0.6
GTI	1.2	1.1
NSIGT	1.9	0.9
BMCT	2.4	2.2

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





## Performance Benchmarking



### Top Performing CFS

Adani CFS Eximyard, Mundra	
Apr'21	May'21
60.7 hrs	63.0 hrs

### Low Performing CFS

Hind Terminal CFS, Hazira	
Apr'21	May'21
115.1 hrs.	131.5 hrs

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

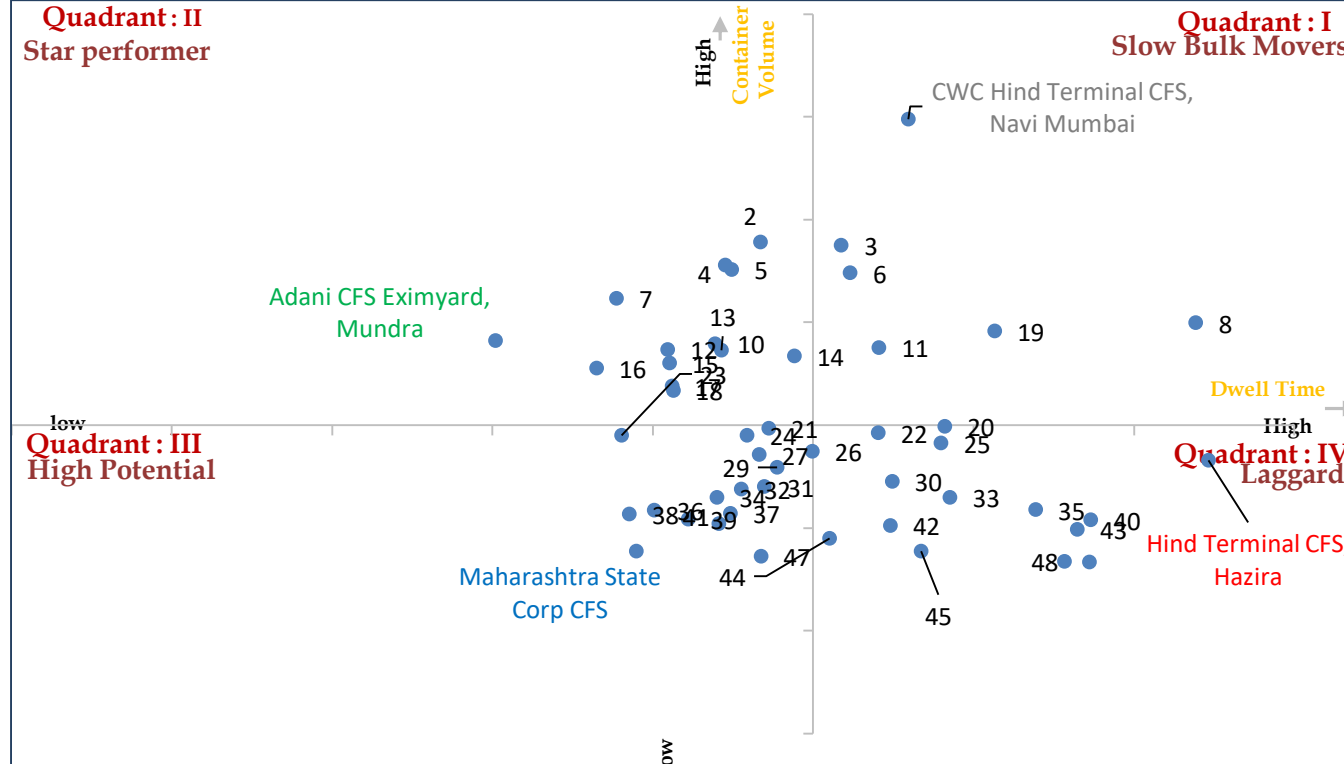
### Top Performing ICD

Albatross Inland Ports ICD, Dadri	
Apr'21	May'21
112.1 hrs	118.4 hrs

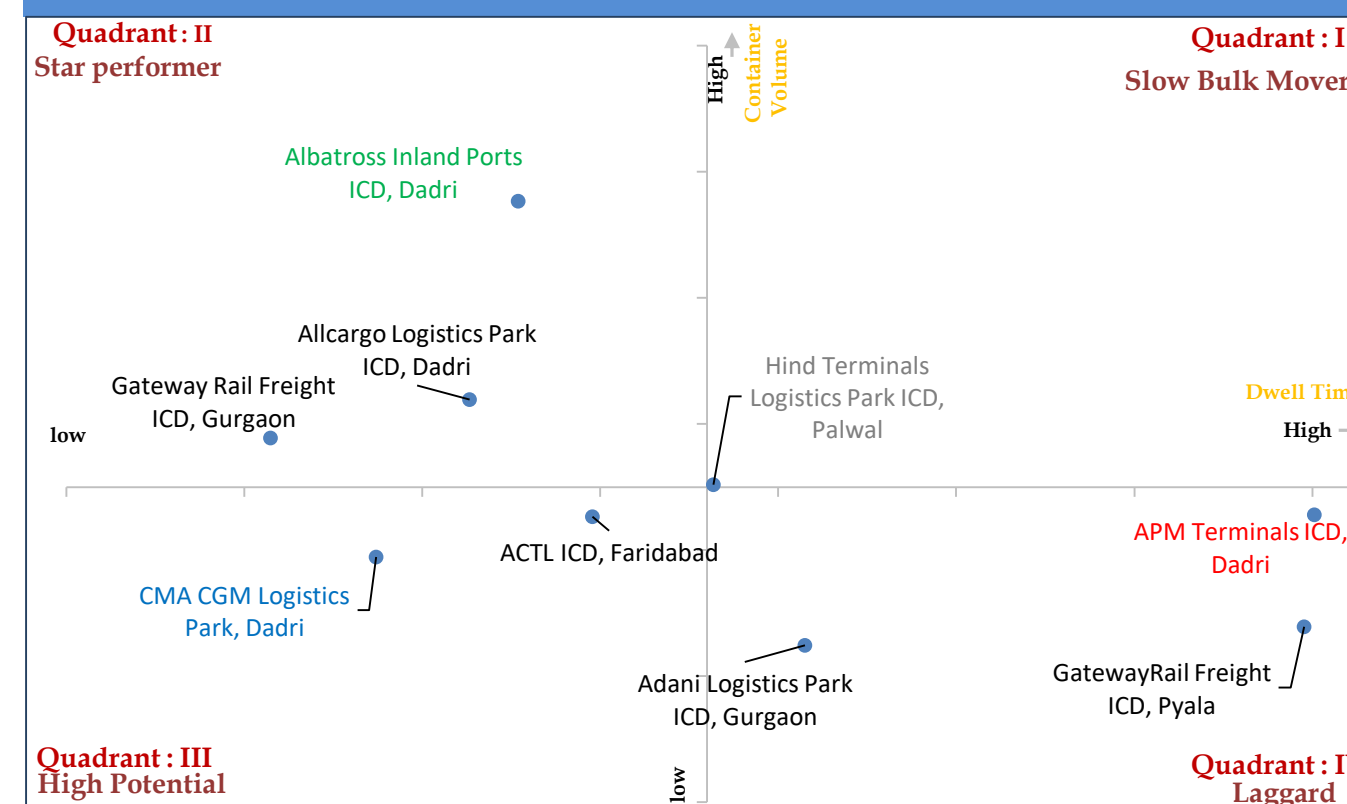
### Low Performing ICD

APM Terminals ICD, Dadri	
Apr'21	May'21
151.5 hrs	150.2 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

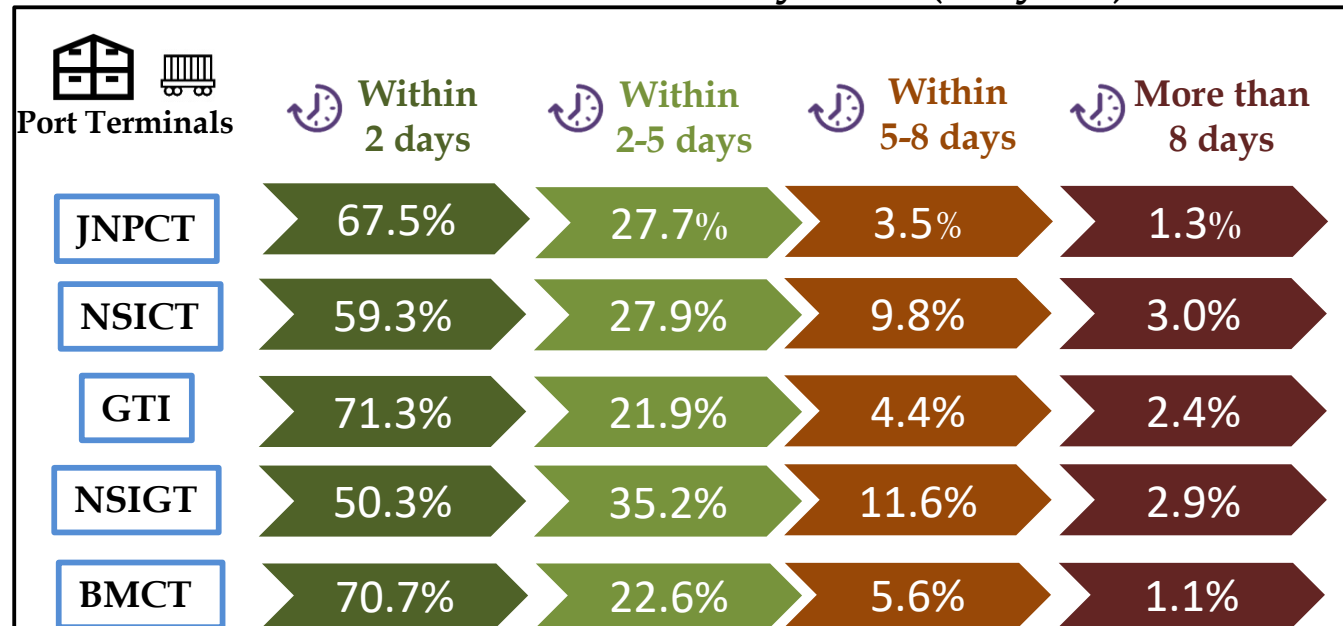
## PORT IMPORT via TRAIN

**(19% 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	April'21 (in hrs)	May'21 (in hrs)
JNPCT	39.6	33.0
NSICT	35.2	38.6
GTI	30.6	27.7
NSIGT	42.2	49.3
BMCT	31.6	30.2

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



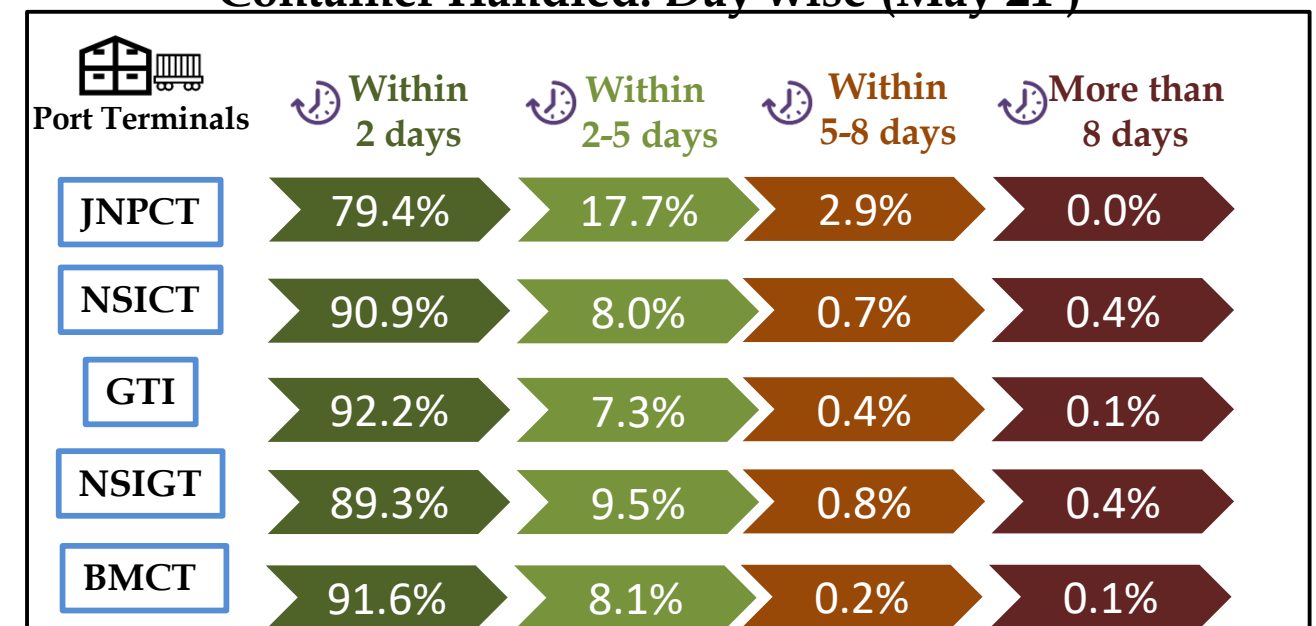
## PORT IMPORT via TRUCK

**(81% 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	April'21 (in hrs)	May'21 (in hrs)
JNPCT	32.8	31.7
NSICT	19.1	17.7
GTI	14.8	14.2
NSIGT	16.3	16.7
BMCT	19.9	16.7

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



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

<b>JNPCT</b>		
<b>Port Dwell time based on transit type</b>		
<b>May'21</b>	<b>Direct Port Delivery containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	30.3 hrs	29.5 hrs
<b>Port Dwell time based on container type</b>		
<b>May'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	30.3 hrs	37.4 hrs

<b>GTI</b>		
<b>Port Dwell time based on transit type</b>		
<b>May'21</b>	<b>Direct Port Delivery containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	34.5 hrs	12.9 hrs
<b>Port Dwell time based on container type</b>		
<b>May'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	16.3 hrs	28.5 hrs

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

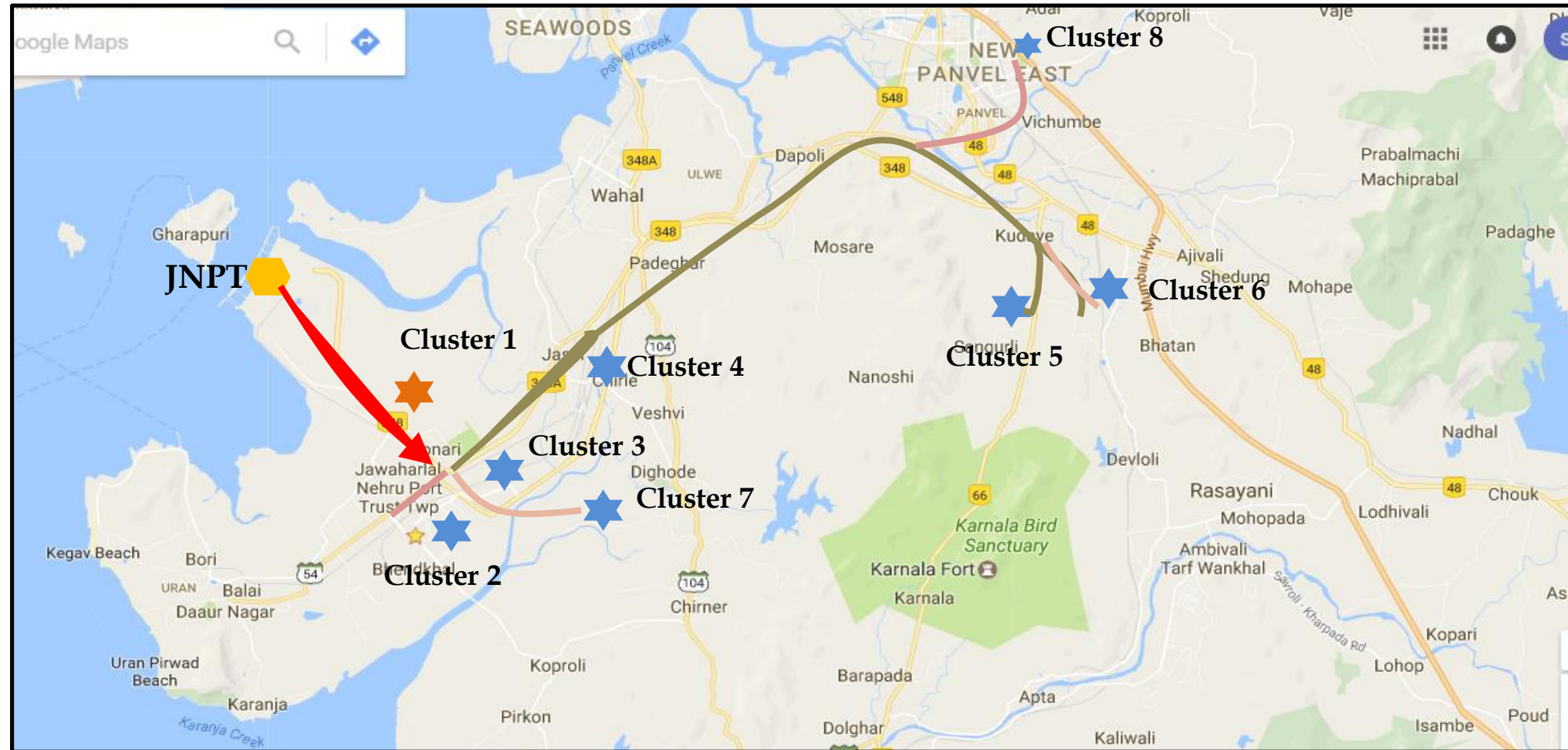
The below tables depict the detailed JNPT region port performance in the month of May'21

NSICT		
Port Dwell time based on transit type		
May'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	41.8 hrs	15.0 hrs
December		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	18.8 hrs	26.8 hrs

NSIGT		
Port Dwell time based on transit type		
May'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	52.8 hrs	13.8 hrs
Port Dwell time based on container type		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	18.1 hrs	33.8 hrs

BMCT		
Port Dwell time based on transit type		
May'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	28.1 hrs	15.0 hrs
Port Dwell time based on container type		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	16.6 hrs	30.7 hrs

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

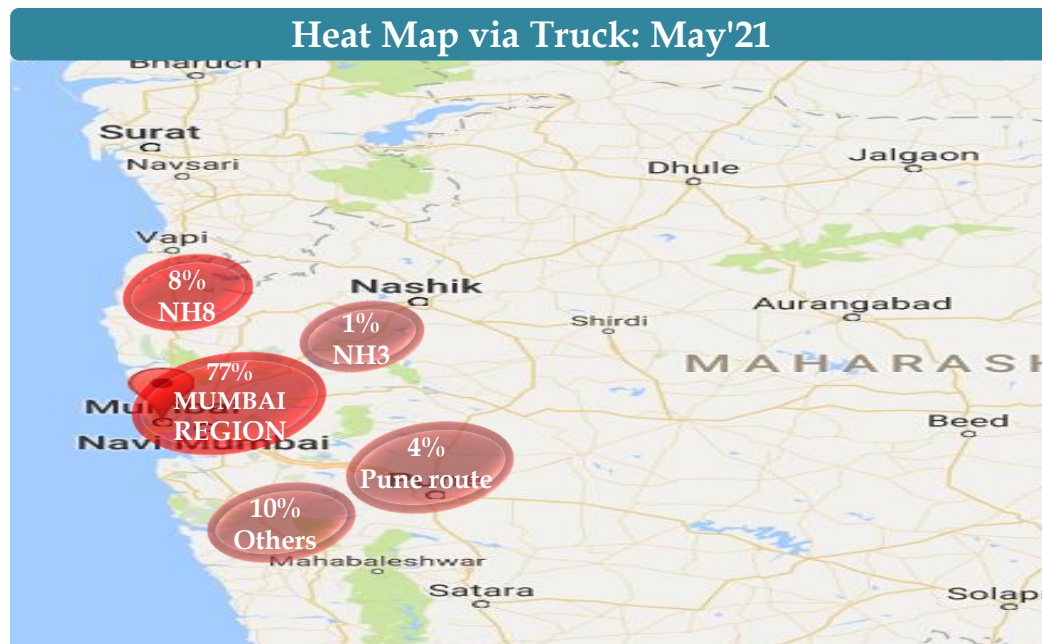
The below table and graphs depict the container movement across JNPT port region in Import cycle

## Truck

### HEAT MAP : OVERALL MUMBAI REGION

Region	May'21
Mumbai region	77%
NH3	1%
Pune	4%
NH8	8%
others	10%

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

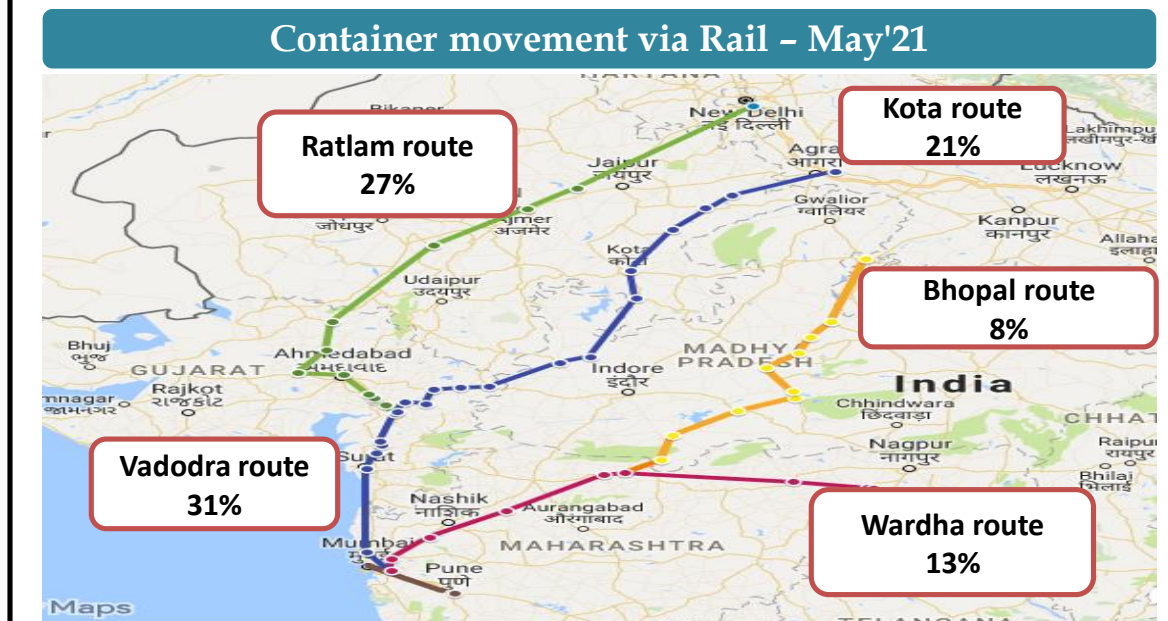


## Train

### VOLUME WISE CONTAINER MOVEMENT

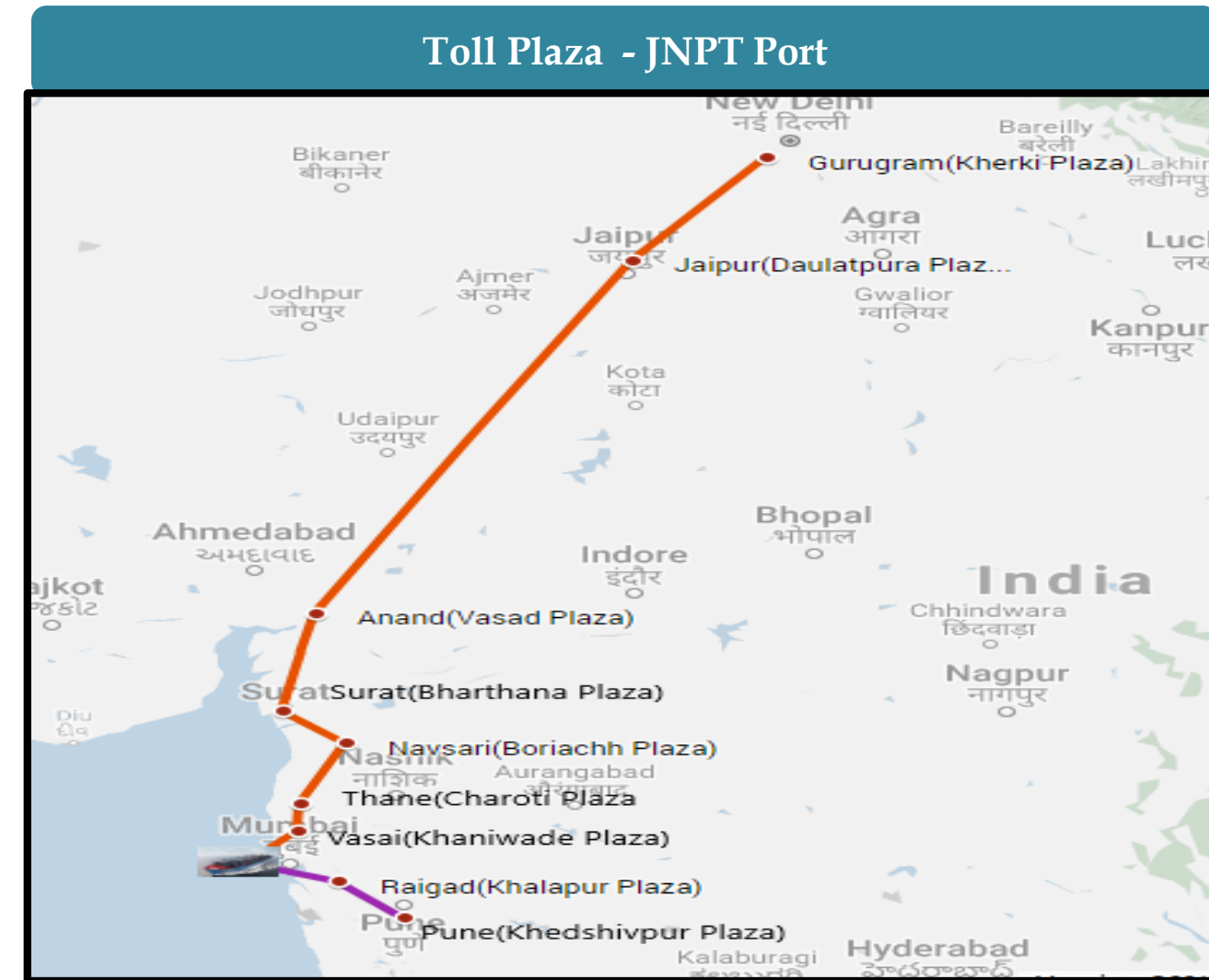
Region	May'21
Vadodra Route	31%
Ratlam Route	27%
Wardha Route	13%
Kota Route	21%
Bhopal Route	8%

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)	Apr'21 (in km/hrs)	May'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.8	16.5
	JNPT	Khalapur	60	7.4	11.1
	Khaniwade	Charoti	50	38.3	37.2
	Charoti	Boriach	126	27.7	29.7
	Boriach	Bharthan	142	34.2	33.4
	Bharthan	Vasad	60	40.0	39.5
	Khalalpur	Khedshivpur	105	32.1	38.1



# Export Cycle Analysis



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

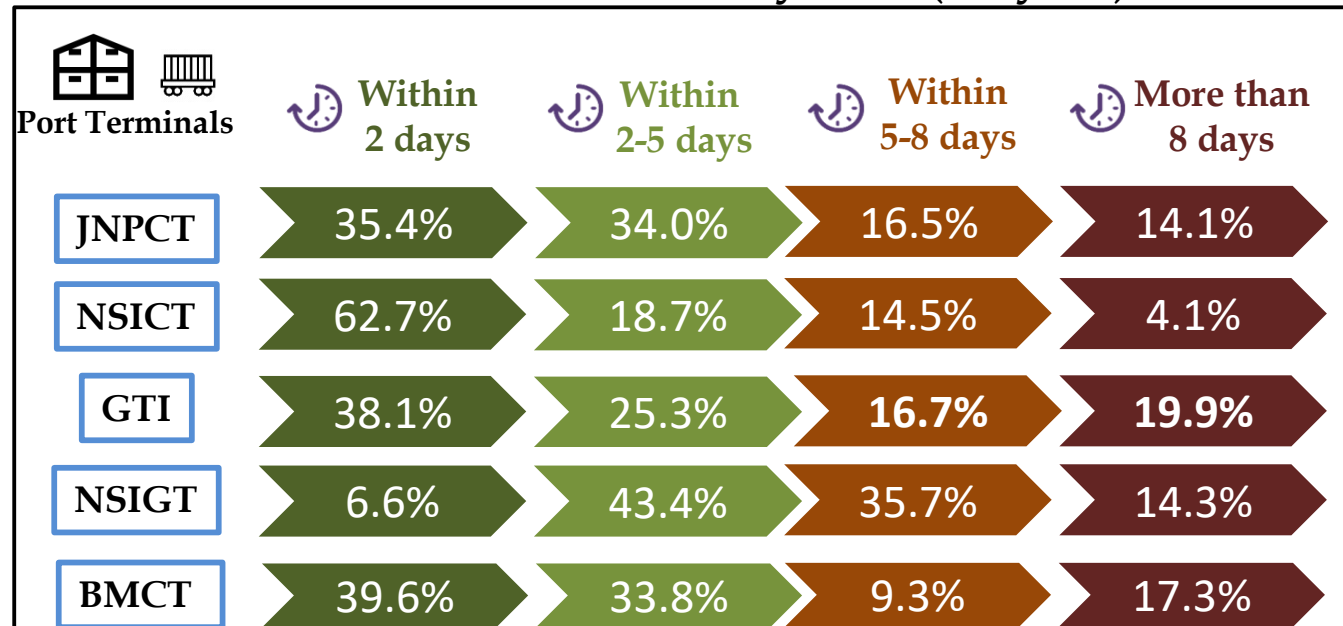
## PORT EXPORT via TRAIN

**(23% 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	April'21 (in hrs)	May'21 (in hrs)
JNPCT	121.1	66.1
NSICT	16.7	22.5
GTI	78.4	82.2
NSIGT	109.3	120.6
BMCT	83.0	69.1

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



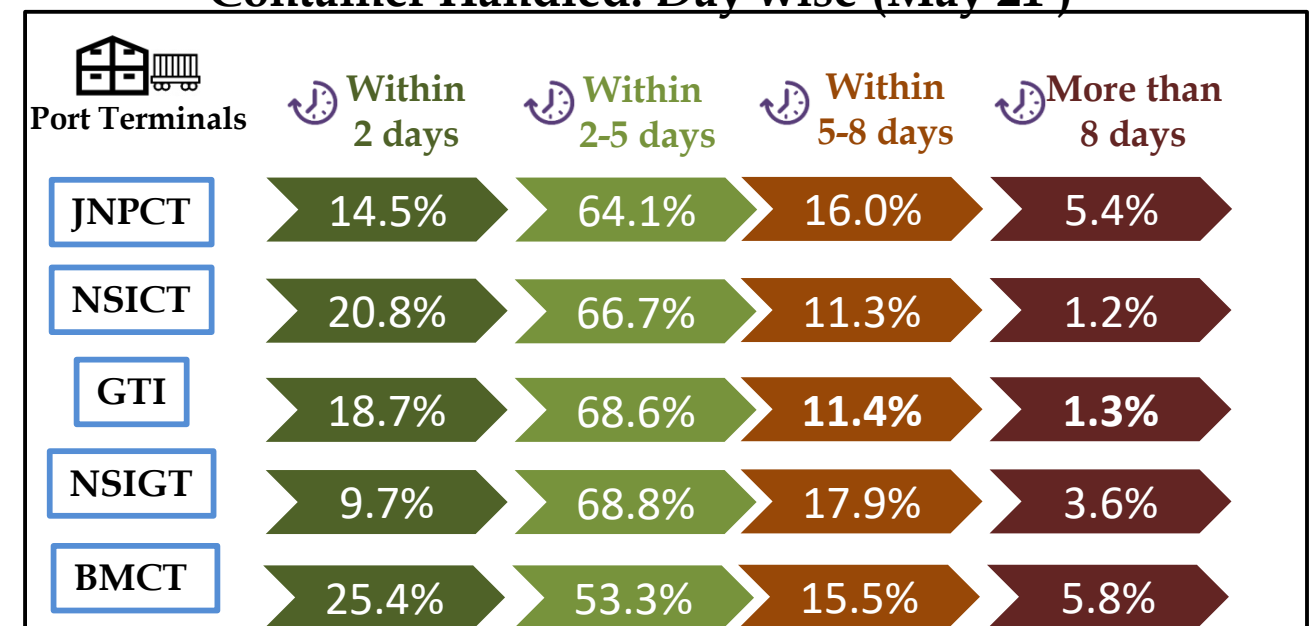
## PORT EXPORT via TRUCK

**(77% 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	April'21 (in hrs)	May'21 (in hrs)
JNPCT	69.2	78.6
NSICT	66.1	80.1
GTI	77.1	80.8
NSIGT	82.8	91.3
BMCT	72.6	78.6

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



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

<b>JNPCT</b>		
<b>Port Dwell time based on transit type</b>		
<b>May'21</b>	<b>Direct Port Exports containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	77.7 hrs	82.7 hrs
<b>Port Dwell time based on container type</b>		
<b>May'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	75.9 hrs	76.7 hrs

<b>GTI</b>		
<b>Port Dwell time based on transit type</b>		
<b>May'21</b>	<b>Direct Port Exports containers</b>	<b>Containers bound for CFS</b>
Dwell time (in hrs)	-	81.7 hrs
<b>Port Dwell time based on container type</b>		
<b>May'21</b>	<b>Laden Containers</b>	<b>Empty Containers</b>
Dwell time (in hrs)	73.4 hrs	70.1 hrs

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

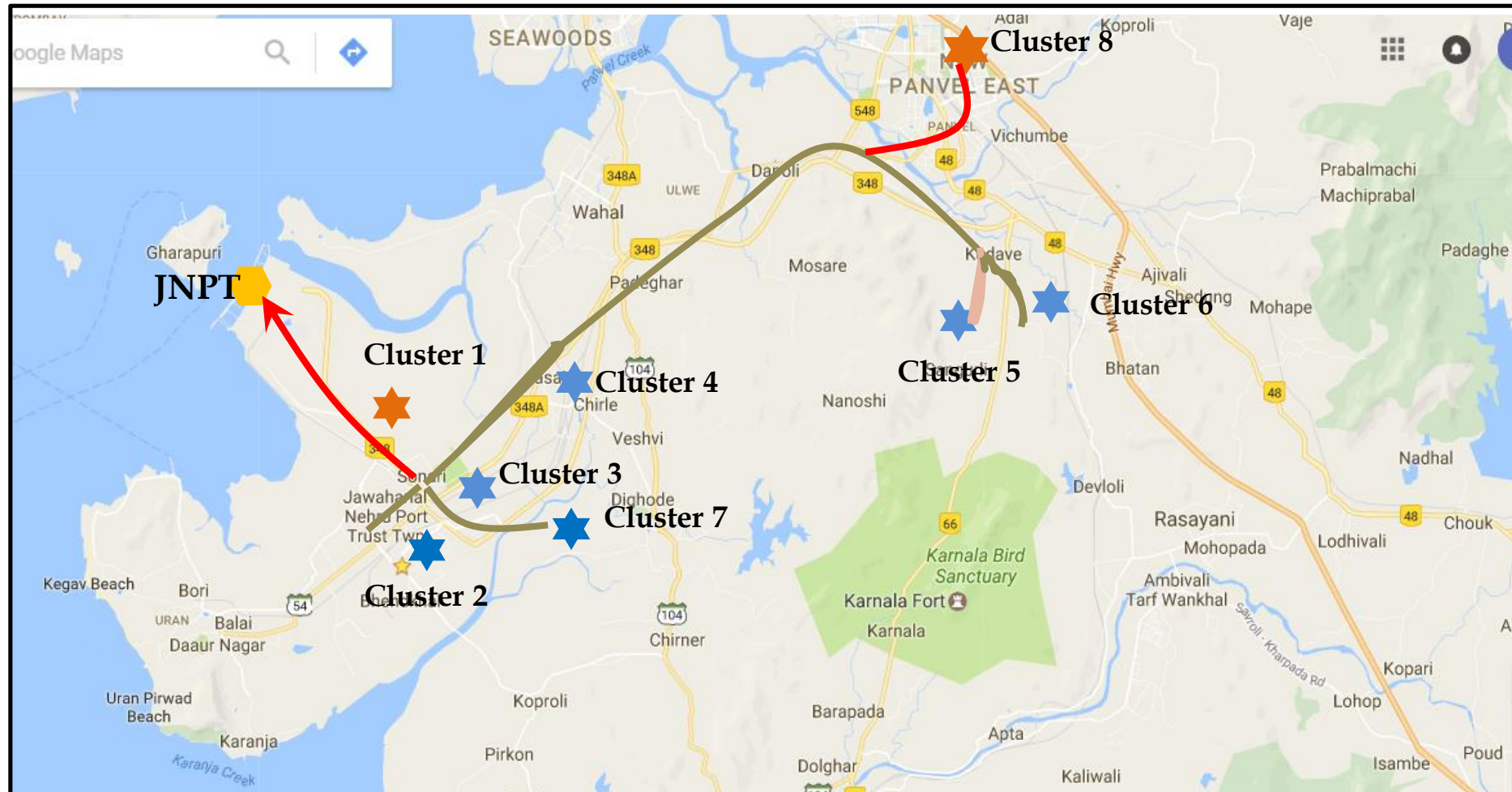
NSICT		
Port Dwell time based on transit type		
May'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	82.7 hrs	78.0 hrs
Port Dwell time based on container type		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	77.9 hrs	60.5 hrs

NSIGT		
Port Dwell time based on transit type		
May'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	96.4 hrs	93.5 hrs
Port Dwell time based on container type		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	96.4 hrs	67.6 hrs

BMCT		
Port Dwell time based on transit type		
May'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	73.9 hrs
Port Dwell time based on container type		
May'21	Laden Containers	Empty Containers
Dwell time (in hrs)	77.8 hrs	82.3 hrs

# JNPT Region: Congestion Analysis (Export Cycle)

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



## Clusters with bottleneck

CLUSTER 1	JNPT Area
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 6	Salva apta rd area, Bangalore 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**

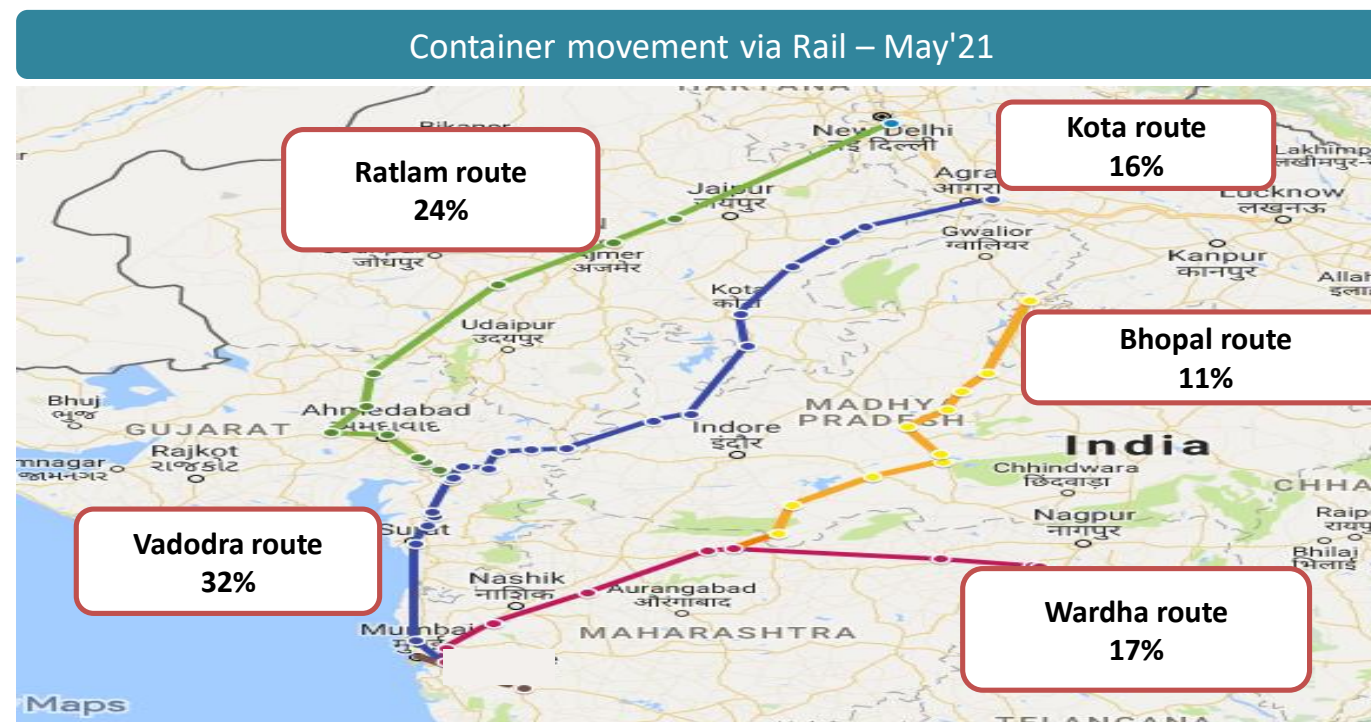
**Congestion Level**

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	32%
Ratlam Route	24%
Wardha Route	17%
Kota Route	16%
Bhopal Route	11%

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



# CFS and ICD Performance

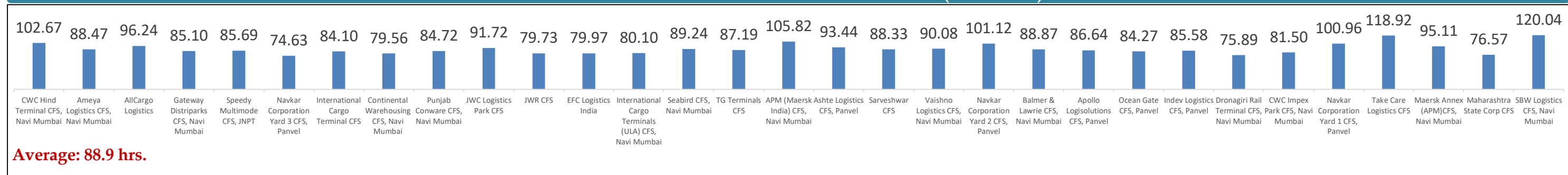
## JNPT region CFS : CFS DWELL TIME ANALYSIS

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

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

CFS	Apr'21 (in hrs)	May'21 (in hrs)	CFS	Apr'21 (in hrs)	May'21 (in hrs)
CWC Hind Terminal CFS, Navi Mumbai	98.96	102.67	Ashte Logistics CFS, Panvel	102.12	93.44
Ameya Logistics CFS, Navi Mumbai	98.67	88.47	Sarveshwar CFS	86.97	88.33
AllCargo Logistics	95.25	96.24	Vaishno Logistics CFS, Navi Mumbai	97.89	90.08
Gateway Distriparks CFS, Navi Mumbai	91.97	85.10	Navkar Corporation Yard 2 CFS, Panvel	99.24	101.12
Speedy Multimode CFS, JNPT	92.24	85.69	Balmer & Lawrie CFS, Navi Mumbai	96.23	88.87
Navkar Corporation Yard 3 CFS, Panvel	91.00	74.63	Apollo Logisolutions CFS, Panvel	97.89	86.64
International Cargo Terminal CFS	86.99	84.10	Ocean Gate CFS, Panvel	100.55	84.27
Continental Warehousing CFS, Navi Mumbai	78.27	79.56	Indev Logistics CFS, Panvel	93.91	85.58
Punjab Conware CFS, Navi Mumbai	83.72	84.72	Dronagiri Rail Terminal CFS, Navi Mumbai	79.20	75.89
JWC Logistics Park CFS	96.25	91.72	CWC Impex Park CFS, Navi Mumbai	82.21	81.50
JWR CFS	74.61	79.73	Navkar Corporation Yard 1 CFS, Panvel	110.38	100.96
EFC Logistics India	90.65	79.97	Take Care Logistics CFS	121.55	118.92
International Cargo Terminals (ULA) CFS, Navi Mumbai	88.13	80.10	Maersk Annex (APM)CFS, Navi Mumbai	105.37	95.11
Seabird CFS, Navi Mumbai	92.39	89.24	Maharashtra State Corp CFS	77.25	76.57
TG Terminals CFS	94.40	87.19	SBW Logistics CFS, Navi Mumbai	120.05	120.04
APM (Maersk India) CFS, Navi Mumbai	104.13	105.82			

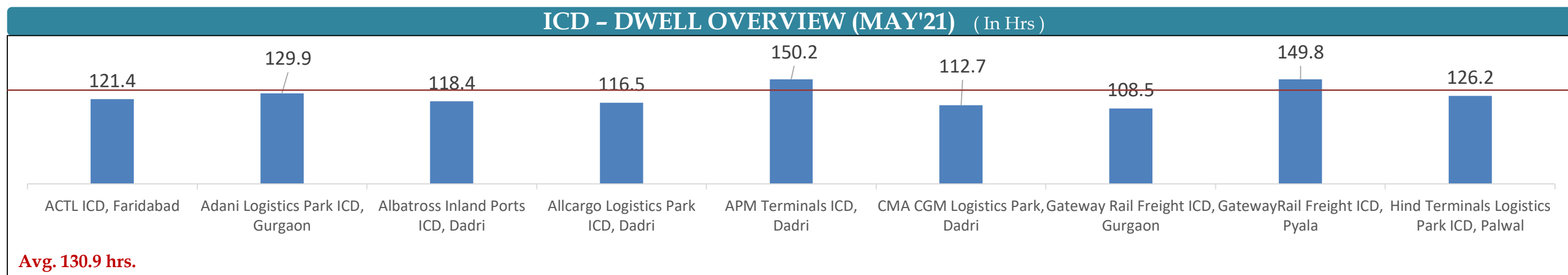
**CFS - DWELL OVERVIEW - MAY'21 (IN HRS)**



## ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Apr'21 (in hrs)	May'21 (in hrs)
ACTL ICD, Faridabad	139.6	121.4
Adani Logistics Park ICD, Gurgaon	147.4	129.9
Albatross Inland Ports ICD, Dadri	112.1	118.4
Allcargo Logistics Park ICD, Dadri	104.5	116.5
APM Terminals ICD, Dadri	151.5	150.2
CMA CGM Logistics Park, Dadri	110.9	112.7
Gateway Rail Freight ICD, Gurgaon	142.0	108.5
GatewayRail Freight ICD, Pyala	123.2	149.8
Hind Terminals Logistics Park ICD, Palwal	134.3	126.2



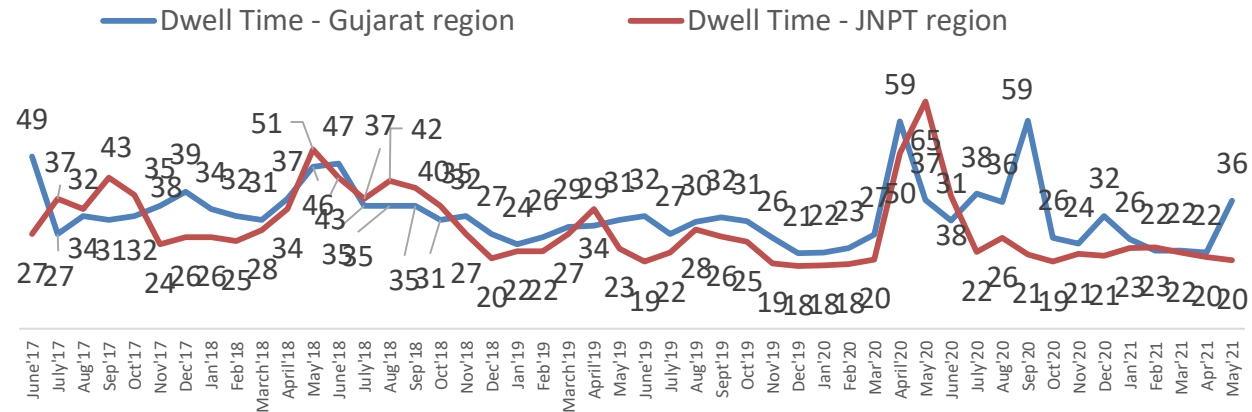


# Trend Analysis

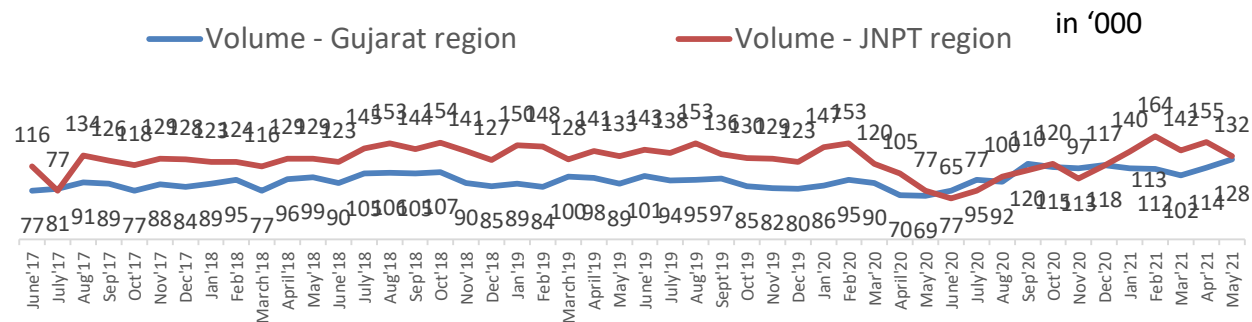
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until May'21

## Import Cycle

### Dwell Time – Gujarat Region Vs JNPT Region



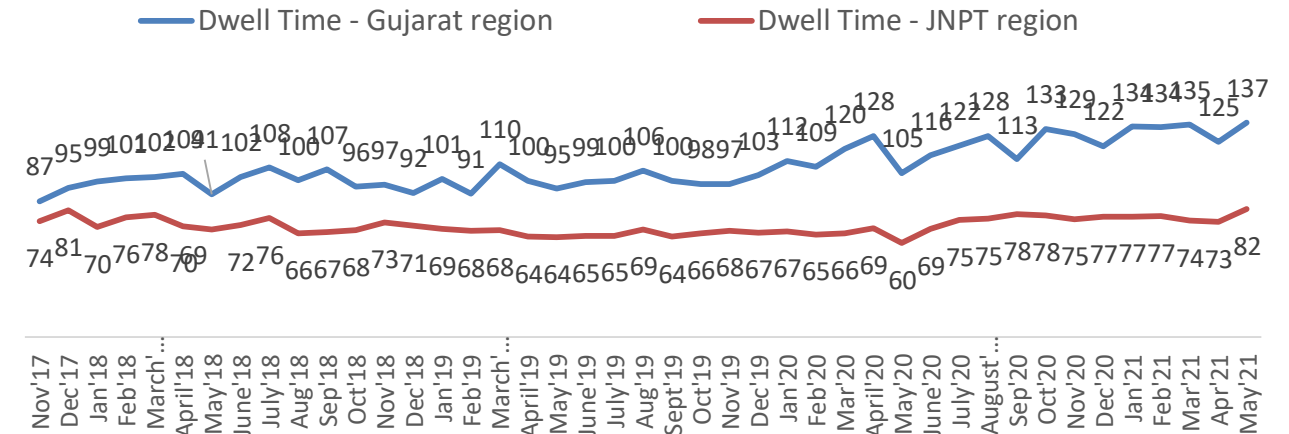
### Volume – Gujarat Region Vs JNPT Region



In Import cycle, for the month of May'21 APSEZ port has catered 4% less volume than JNPT Port, and has maintained 46% higher dwell time than JNPT Port.

## Export Cycle

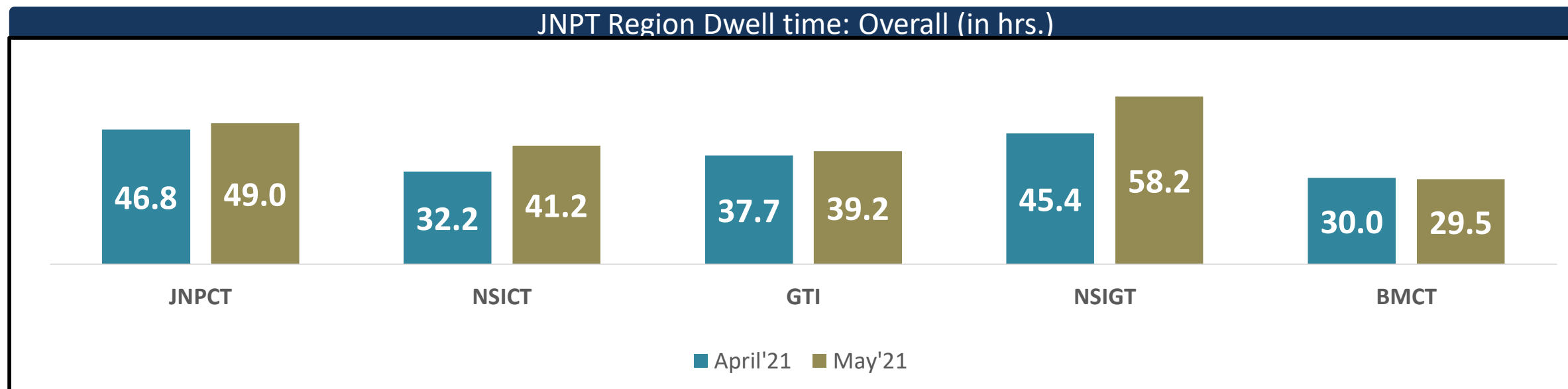
### Dwell Time – Gujarat Region Vs JNPT Region



In Export cycle, for the month May'21 JNPT port catered 14% less volume than APSEZ Port, and has maintained 40% lower dwell time than APSEZ Port

## 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



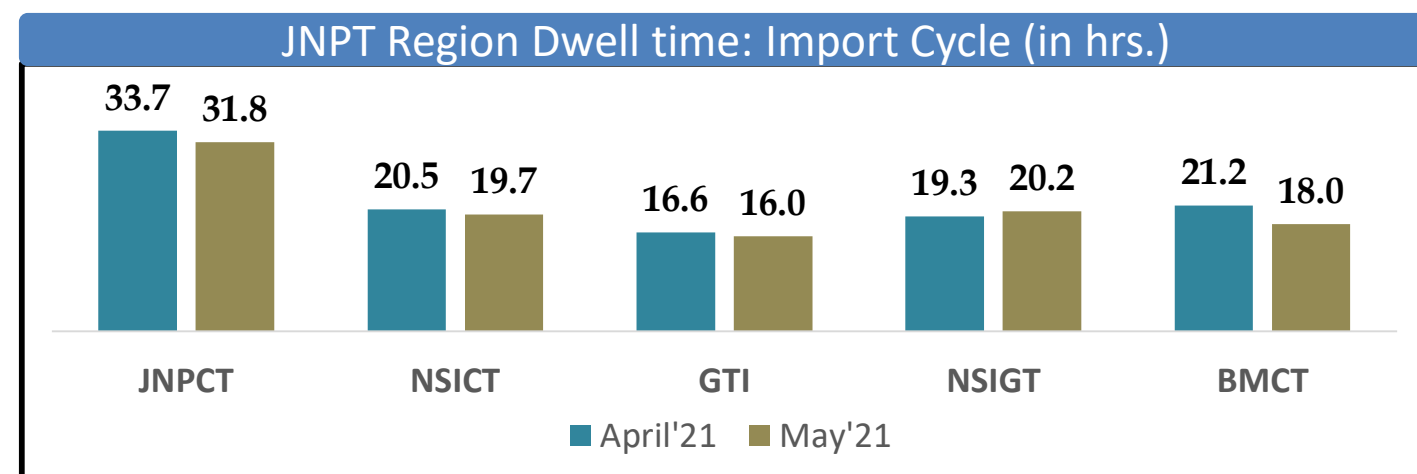
The overall JNPT region average dwell time for May'21 is 42.2 hrs as compared to 37.8 hrs in Apr'21

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



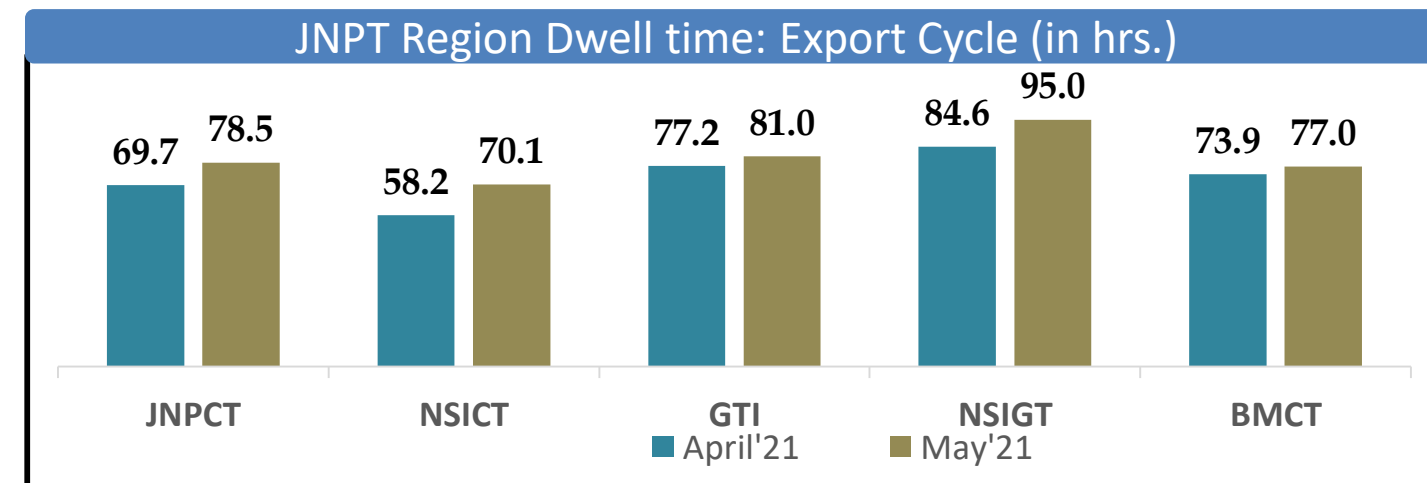
### JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for May'21 is 19.5 hrs.



### JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for May'21 is 81.6 hrs.

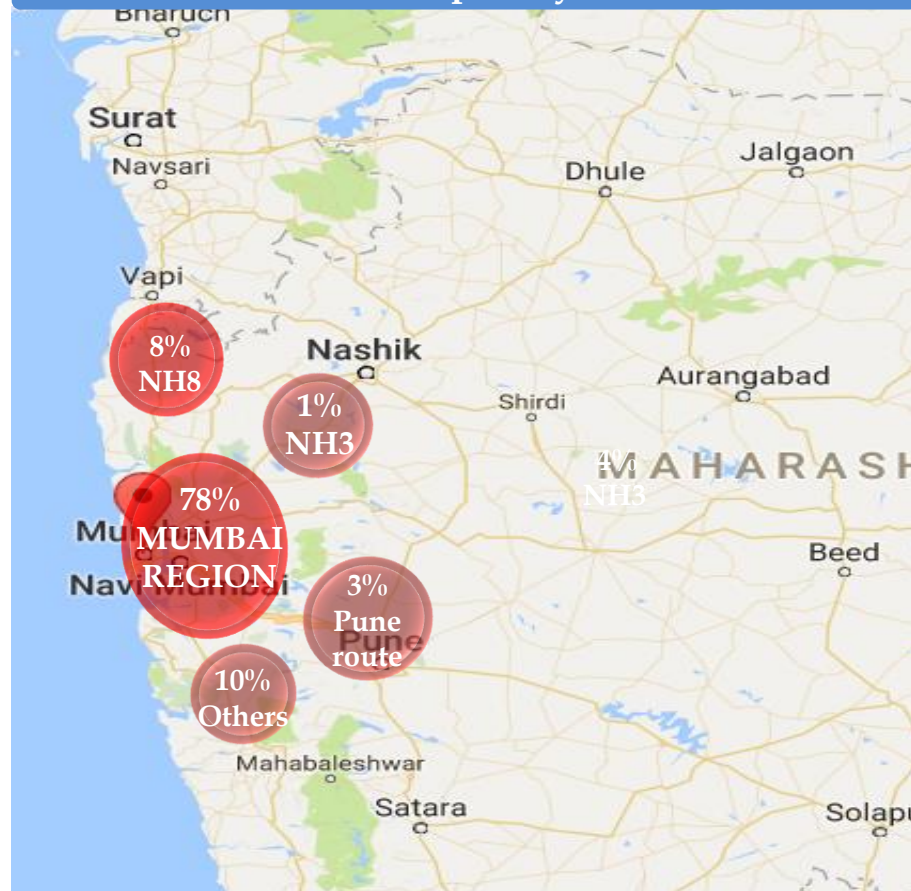


# ANNEXURE

# Container movement around JNPT Port terminal region via Truck

## HEAT MAP : GTI Port Terminal

Heat Map : May'21

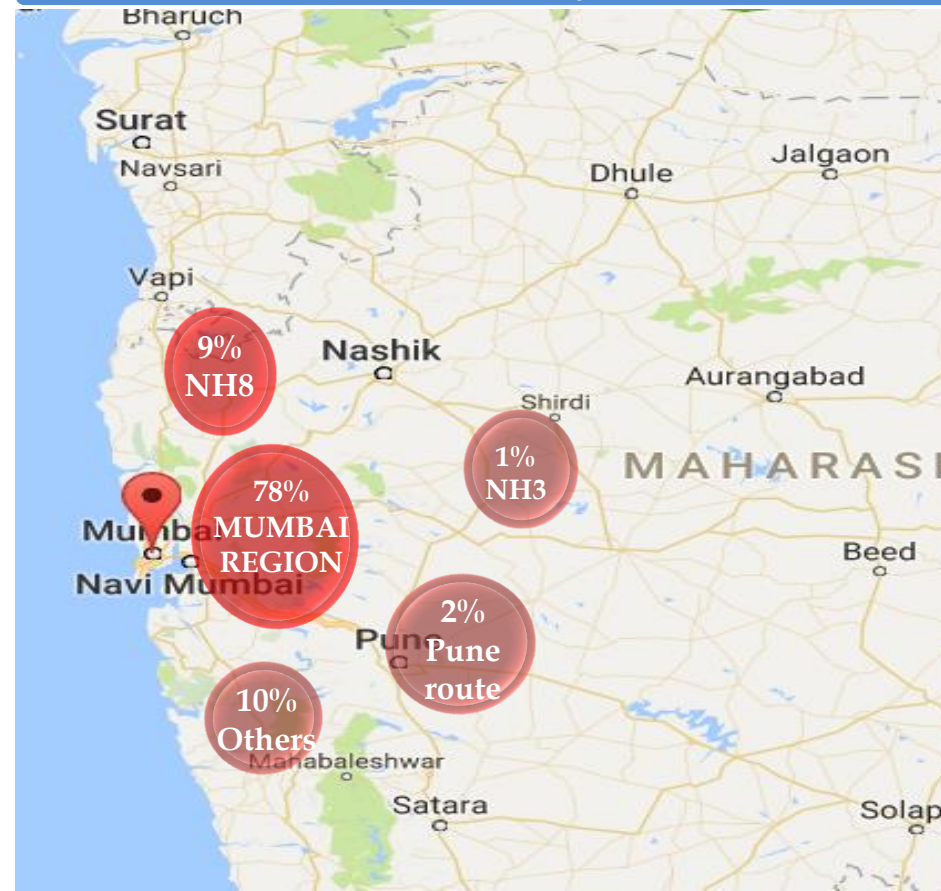


Region	Apr'21	May'21
Mumbai region	76%	78%
NH3	1%	1%
Pune	3%	3%
NH8	10%	8%
others	10%	10%

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

## HEAT MAP : JNPCT Port Terminal

Heat Map : May'21

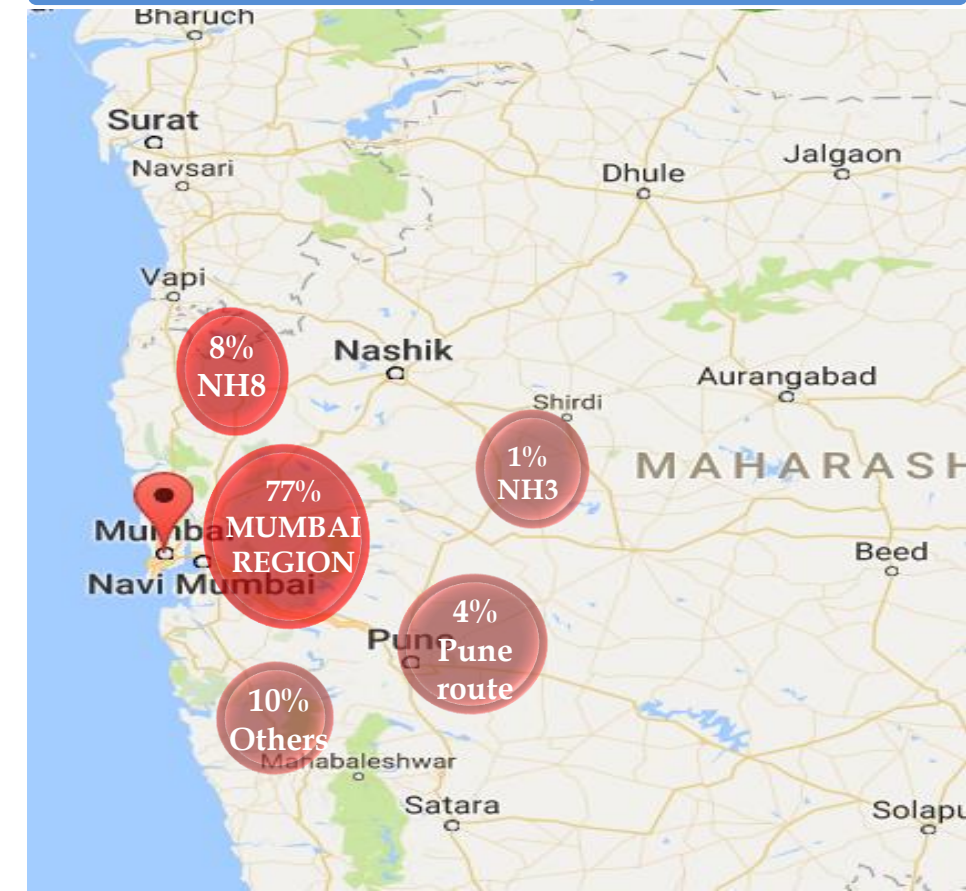


Region	Apr'21	May'21
Mumbai region	74%	78%
NH3	1%	1%
Pune	3%	2%
NH8	12%	9%
others	10%	10%

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

## HEAT MAP : NSICT Port Terminal

Heat Map : May'21

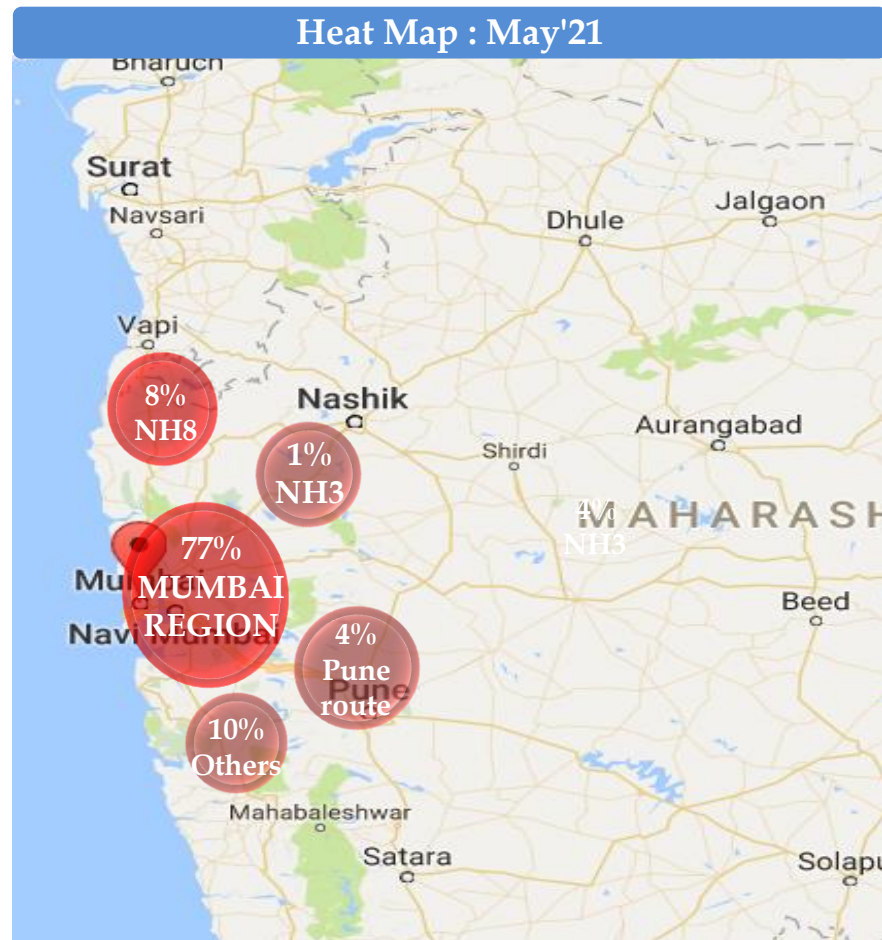


Region	Apr'21	May'21
Mumbai region	79%	77%
NH3	1%	1%
Pune	3%	4%
NH8	7%	8%
others	10%	10%

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

# Container movement around JNPT Port terminal region via Truck

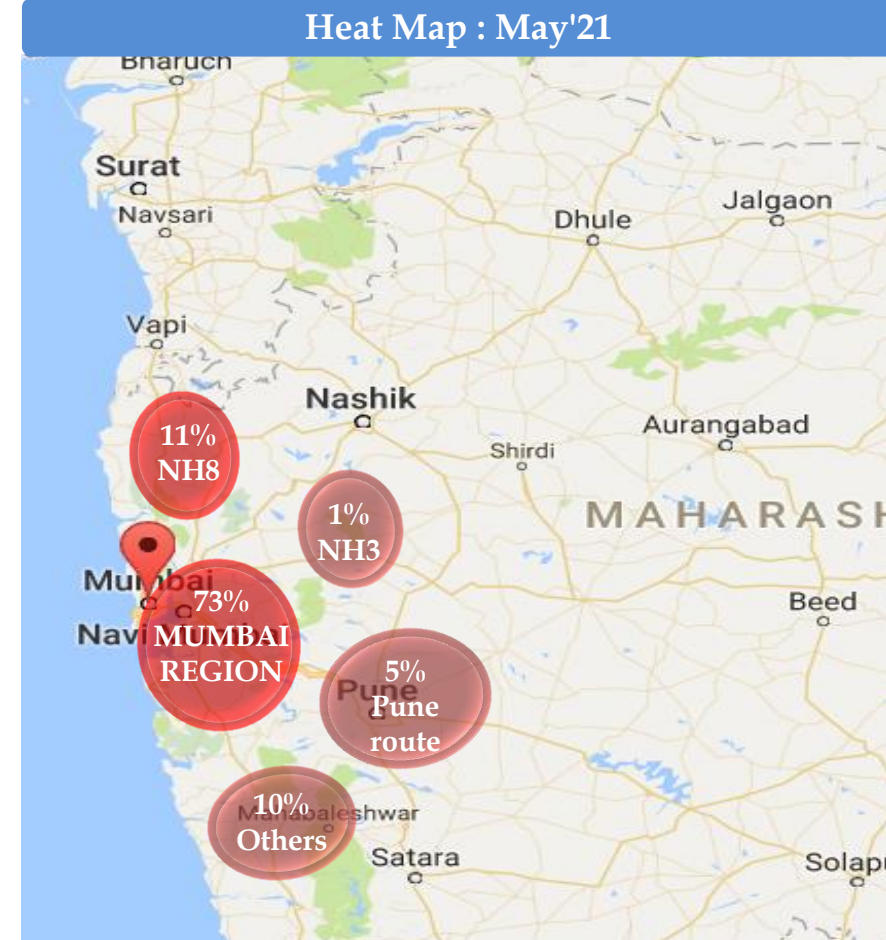
## HEAT MAP : NSIGT Port Terminal



Region	Apr'21	May'21
Mumbai region	76%	77%
NH3	1%	1%
Pune	3%	4%
NH8	10%	8%
others	10%	10%

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

## HEAT MAP : BMCT Port Terminal



Region	Apr'21	May'21
Mumbai region	68%	73%
NH3	1%	1%
Pune	5%	5%
NH8	15%	11%
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 May'21					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.2	2.1	2.0	2.1	2.2
Punjab Conware CFS, Navi Mumbai	2.1	2.6	2.3	2.5	2.9
JWC Logistics Park CFS	4.4	5.1	2.4	2.4	3.7
CWC Hind Terminal CFS, Navi Mumbai	2.3	2.4	1.5	2.4	2.2
Dronogiri Rail Terminal CFS, Navi Mumbai	2.1	2.1	2.3	2.0	2.3
Navkar Corporation Yard 2 CFS, Panvel	6.2	5.6	5.7	6.7	5.8
Vaishno Logistics CFS, Navi Mumbai	2.1	2.4	3.3	2.9	3.3
Speedy Multimode CFS, JNPT	1.9	2.2	1.8	2.2	2.4
Balmer & Lawrie CFS, Navi Mumbai	3.0	2.1	1.9	2.1	1.9
Navkar Corporation Yard 3 CFS, Panvel	4.9	4.7	3.6	4.6	5.3
Ashte Logistics CFS, Panvel	3.4	2.9	3.3	2.3	8.3
Continental Warehousing CFS, Navi Mumbai	1.3	1.9	2.8	1.8	1.5
SBW Logistics CFS, Navi Mumbai	12.2	5.4	7.0	8.1	4.7
Maharashtra State Corp CFS	2.3	2.0	1.5	2.2	3.4
Internation Cargo Terminal CFS	3.0	3.1	1.5	1.9	3.0
Seabird CFS, Navi Mumbai	4.3	1.9	1.7	2.9	1.6
Apollo Logisolutions CFS, Panvel	3.4	3.4	2.7	4.2	6.0
Ameya Logistics CFS, Navi Mumbai	2.4	2.6	2.0	2.6	2.4
Transindia Logistics Park, Navi Mumbai	5.1	2.6	1.8	2.2	3.2
Ocean Gate CFS, Panvel	3.5	2.5	4.3	2.4	3.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5	2.6	1.4	2.6	3.3
Indev Logistics CFS, Panvel	3.7	2.9	2.6	2.8	5.1
CWC Dronagiri CFS, Navi Mumbai	1.9	3.2	2.1	2.3	3.0
APM (Maersk India) CFS, Navi Mumbai	3.6	1.9	1.5	1.6	2.4

# CFS DELIVERY TIME ANALYSIS

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

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

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

CFS	May'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.1
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.4
Indev Logistics CFS, Panvel	3.1
Navkar Corporation Yard 3 CFS, Panvel	3.5
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	2.7
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	16.9
Navkar Corporation Yard 1 CFS, Panvel	3.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.7
Maersk Annex (APM)CFS, Navi Mumbai	1.9
Speedy Multimode CFS, JNPT	1.9
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	2.9
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	2.3
JWC Logistics Park CFS	4.1
SBW Logistics CFS, Navi Mumbai	4.0
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	20.7

## 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	May'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.1
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.3
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	1.8
Ashte Logistics CFS, Panvel	2.7
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	1.8
Navkar Corporation Yard 1 CFS, Panvel	3.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	2.2
Speedy Multimode CFS, JNPT	1.7
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	3.3
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	4.6
JWC Logistics Park CFS	4.1
SBW Logistics CFS, Navi Mumbai	3.4
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	37.5



# 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	May'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
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	3.4
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	2.3
Balmer & Lawrie CFS, Navi Mumbai	2.1
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	4.7
Navkar Corporation Yard 1 CFS, Panvel	4.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	2.2
Apollo Logisolutions CFS, Panvel	3.3
Navkar Corporation Yard 2 CFS, Panvel	4.1
Punjab Conware CFS, Navi Mumbai	2.6
Vaishno Logistics CFS, Navi Mumbai	4.2
JWC Logistics Park CFS	3.7
SBW Logistics CFS, Navi Mumbai	4.9
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	8.1

## 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	May'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.4
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.4
Indev Logistics CFS, Panvel	3.1
Navkar Corporation Yard 3 CFS, Panvel	3.8
Seabird CFS, Navi Mumbai	2.3
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	19.1
Navkar Corporation Yard 1 CFS, Panvel	4.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	2.3
Speedy Multimode CFS, JNPT	1.9
Apollo Logisolutions CFS, Panvel	4.0
Navkar Corporation Yard 2 CFS, Panvel	4.0
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	2.4
JWC Logistics Park CFS	4.9
SBW Logistics CFS, Navi Mumbai	6.6
Ocean Gate CFS, Panvel	2.8
Maharashtra State Corp CFS	5.8

## 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	May'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.3
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.5
Ameya Logistics CFS, Navi Mumbai	2.0
Transindia Logistics Park, Navi Mumbai	2.3
Indev Logistics CFS, Panvel	3.9
Navkar Corporation Yard 3 CFS, Panvel	3.5
Seabird CFS, Navi Mumbai	2.1
Balmer & Lawrie CFS, Navi Mumbai	1.6
Ashte Logistics CFS, Panvel	2.8
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	2.8
Navkar Corporation Yard 1 CFS, Panvel	3.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	2.9
Navkar Corporation Yard 2 CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	2.4
Vaishno Logistics CFS, Navi Mumbai	2.8
JWC Logistics Park CFS	5.1
SBW Logistics CFS, Navi Mumbai	3.1
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	1.8

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 May'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	2.2
Cluster 2	6	13	1.9	2.3
Cluster 3	6	11	9.8	2.1
Cluster 4	1	13	2.3	2.4
Cluster 5	2	25	3.5	3.8
Cluster 6	6	25	3.0	3.4
Cluster 7	4	12	2.1	2.6
Cluster 8	1	34	4.0	5.4

## CFS Cluster : JNPCT Terminal

JNPCT terminal for month of May'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	1.7	1.9
Cluster 2	6	13	1.8	2.7
Cluster 3	6	11	2.0	2.2
Cluster 4	1	13	4.6	2.1
Cluster 5	2	25	3.5	4.0
Cluster 6	6	25	3.6	3.7
Cluster 7	4	12	2.1	2.4
Cluster 8	1	34	3.4	12.2

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 May'21

### NSIGT terminal for month of May'21






### BMCT terminal for month of May'21

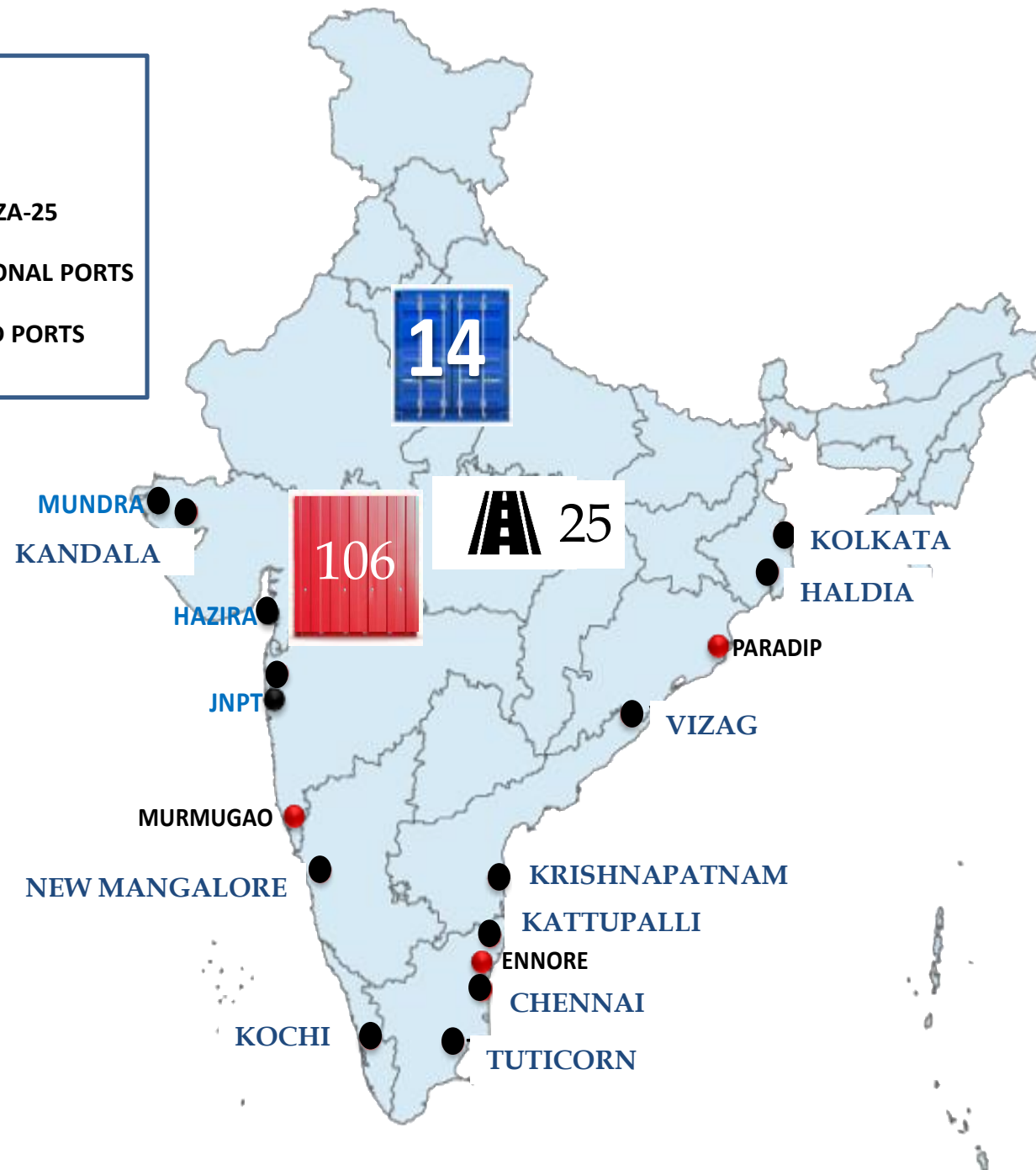
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.2	1.8
Cluster 2	6	13	1.9	1.5
Cluster 3	6	11	3.7	2.0
Cluster 4	1	13	4.2	0.0
Cluster 5	2	25	3.5	3.4
Cluster 6	6	25	3.7	3.3
Cluster 7	4	12	2.0	2.0
Cluster 8	1	34	4.9	7.0

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	1.9	2.2
Cluster 2	6	13	1.9	2.1
Cluster 3	6	11	2.0	2.3
Cluster 4	1	13	2.4	2.9
Cluster 5	2	25	3.9	2.4
Cluster 6	6	25	3.9	4.2
Cluster 7	4	12	1.9	2.2
Cluster 8	1	34	6.6	8.1

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.0	2.4
Cluster 2	6	13	1.9	2.3
Cluster 3	6	11	2.0	2.6
Cluster 4	1	13	2.8	3.3
Cluster 5	2	25	4.0	3.8
Cluster 6	6	25	3.3	5.8
Cluster 7	4	12	2.0	2.4
Cluster 8	1	34	3.1	4.7

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

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



**THANK YOU**