Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	39.67	43.47
NSICT	21.65	28.37
GTI	19.38	22.15
NSIGT	21.67	28.77
BMCT/PSA	22.10	26.45

Export Cycle		
Port	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	77.05	67.37
NSICT	55.05	52.23
GTI	83.52	80.03
NSIGT	89.17	94.80
BMCT/PSA	64.85	59.23

Critical Incident Summary

Jawaharlal Nehru Port Terminals

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

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time	ICD
Dec'21	27.0 hrs	72.3 hrs	86.2 hrs	119.9 hrs
	19%	7%	1%	1%
Nov'21	22.7 hrs	77.8 hrs	86.9 hrs	118.8 hrs

Container Transportation Performance - Western Corridor

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Port Dwell Time

IMPORT

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall	26.0	28.2
Truck	20.2	22.6
Train	75.9	68.2

EXPORT

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall	93.9	91.2
Truck	88.1	85.3
Train	125.1	130.0

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

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

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

Entity	Nov'21 (in hrs)	Dec'21 (in hrs)
CFS	89.0	86.4
ICD	118.8	119.9

Port Performance Benchmarking & Performance Index - Western Corridor

Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index – Dec'21

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High | Container Volume

GTI

AICT

NSICT   BMCT   MICT

NSIGT

Dwell Time

AMCT   High

low

AMCT-2   ACMTTL

AHPL   KICT

JNPCT

Quadrant : III
High Potential

Quadrant : IV
Laggard

low
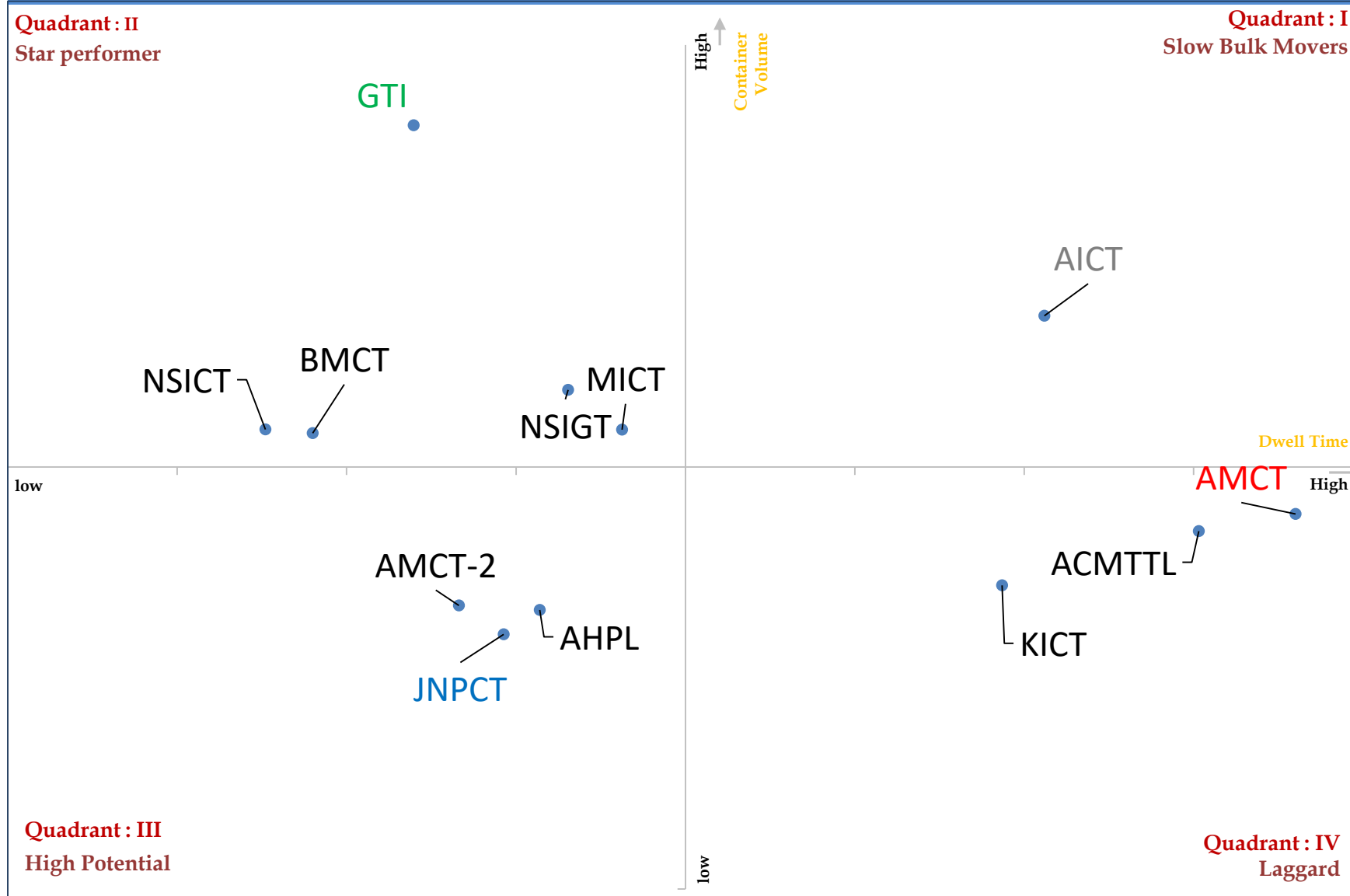
Performance benchmarking for Port Terminals covered under LDB project for Dec'21

Top Performing Terminal	
Gateway Terminals India (GTI)	
Nov'21	Dec'21
44.2 Hrs	48.1 Hrs.

Low Performing Terminal	
Adani Mundra Container Terminal (AMCT)	
Nov'21	Dec'21
85.8 Hrs	98.1 Hrs

Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Nov'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
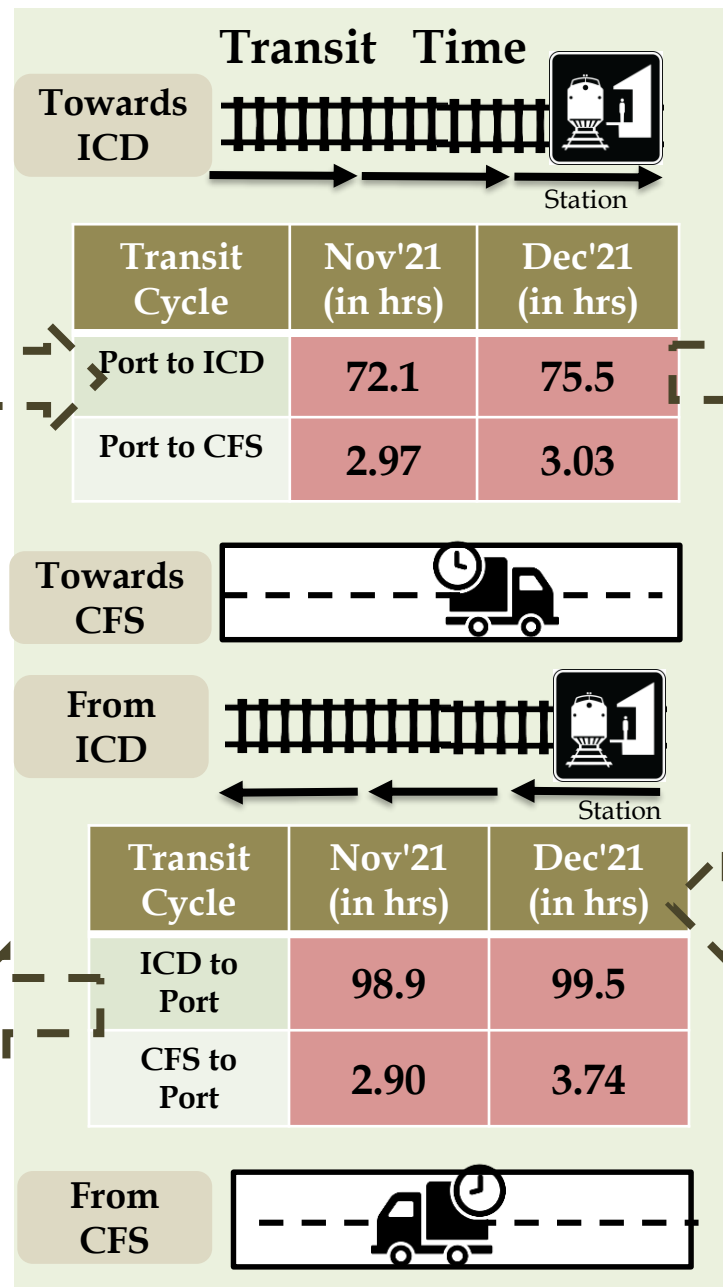
Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle)

Port Dwell Time

IMPORT

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall	22.7	27.0
Truck	19.6	23.9
Train	52.2	53.5

EXPORT

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall	77.8	72.3
Truck	77.0	71.8
Train	84.1	78.1

Transit Time

Towards ICD — Station

Transit Cycle	Nov'21 (in hrs)	Dec'21 (in hrs)
Port to ICD	72.1	75.5
Port to CFS	2.97	3.03

Towards CFS

From ICD — Station

Transit Cycle	Nov'21 (in hrs)	Dec'21 (in hrs)
ICD to Port	98.9	99.5
CFS to Port	2.90	3.74

From CFS

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

ICD   CFS

Entity	Nov'21 (in hrs)	Dec'21 (in hrs)
CFS	86.9	86.2
ICD	118.8	119.9

Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	83%	17%
Export	80%	20%

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

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

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Dec'21 – in hrs)			Compared to Nov'21	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	27.0	19%	⬇
	Port Dwell Time for Truck Bound Containers	23.9	22%	⬇
	Port Dwell time for Train Bound Containers	53.5	2%	⬇
	Port Dwell time Direct Port Delivery (DPD) containers	43.5	8%	⬇
	Port Dwell time Containers bound for CFS	20.6	17%	⬇
	Port Dwell for Empty Containers	34.6	31%	⬇
	Port Dwell for Laden Containers	25.4	17%	⬇
TRANSIT TIME	Port to ICD	75.5	5%	⬇
	Port to CFS	3.03	2%	⬇

EXPORT CYCLE DWELL TIME (Dec'21– in hrs)			Compared to Nov'21	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	72.3	7%	⬆
	Port Dwell Time for Truck Bound Containers	71.8	7%	⬆
	Port Dwell time for Train Bound Containers	78.1	7%	⬆
	Port Dwell time Direct Port Entry (DPE) containers	82.4	2%	⬇
	Port Dwell time Containers bound from CFS	69.7	10%	⬆
	Port Dwell for Empty Containers	60.0	15%	⬆
	Port Dwell for Laden Containers	76.6	4%	⬆
TRANSIT TIME	ICD to Port	99.5	1%	⬇
	CFS to Port	3.74	29%	⬇

⬆⬇ The arrows depict increase/decrease in performance of the stakeholders in comparison to Nov'21

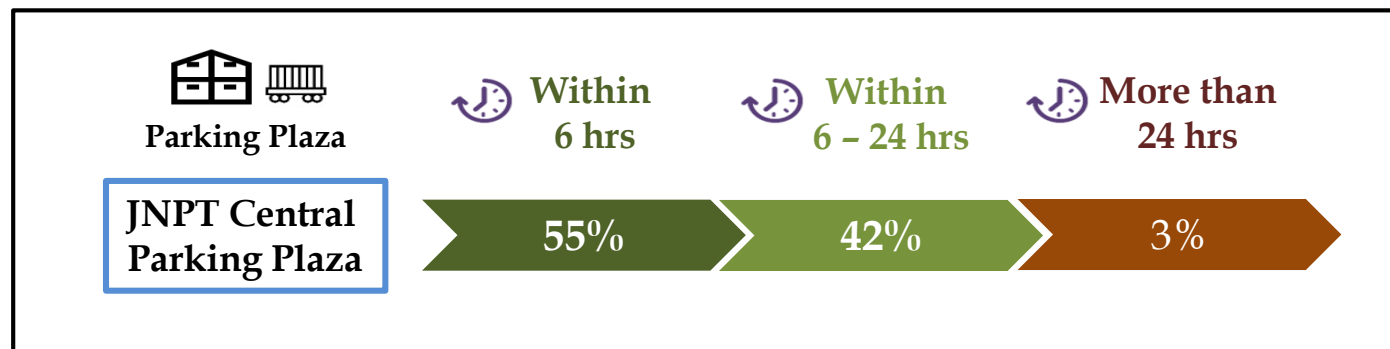# JNPT Region: Parking Plaza Dwell Time Analysis

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	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall Parking Plaza	5.67	5.51

Parking Plaza Gate Out – Terminal In

Mode	Nov'21 (in hrs)	Dec'21 (in hrs)
Overall Parking Plaza to JNPT Port	1.17	1.68

Port	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	1.7	1.1
NSICT	1.0	1.2
GTI	1.1	1.4
NSIGT	1.0	1.8
BMCT	2.6	4.0

Container Handled: Day wise (Dec'21)

Parking Plaza

	Within 6 hrs	Within 6 – 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	55%	42%	3%

Container Handled: Day wise (Dec'21)

Port Terminals

	Within 6 hrs	Within 6 – 24 hrs	More than 24 hrs
JNPCT	94%	5%	1%
NSICT	94%	5%	1%
GTI	95%	4%	1%
NSIGT	92%	7%	1%
BMCT	79%	20%	1%

CFS | **Performance Benchmarking** | **ICD**

CFS
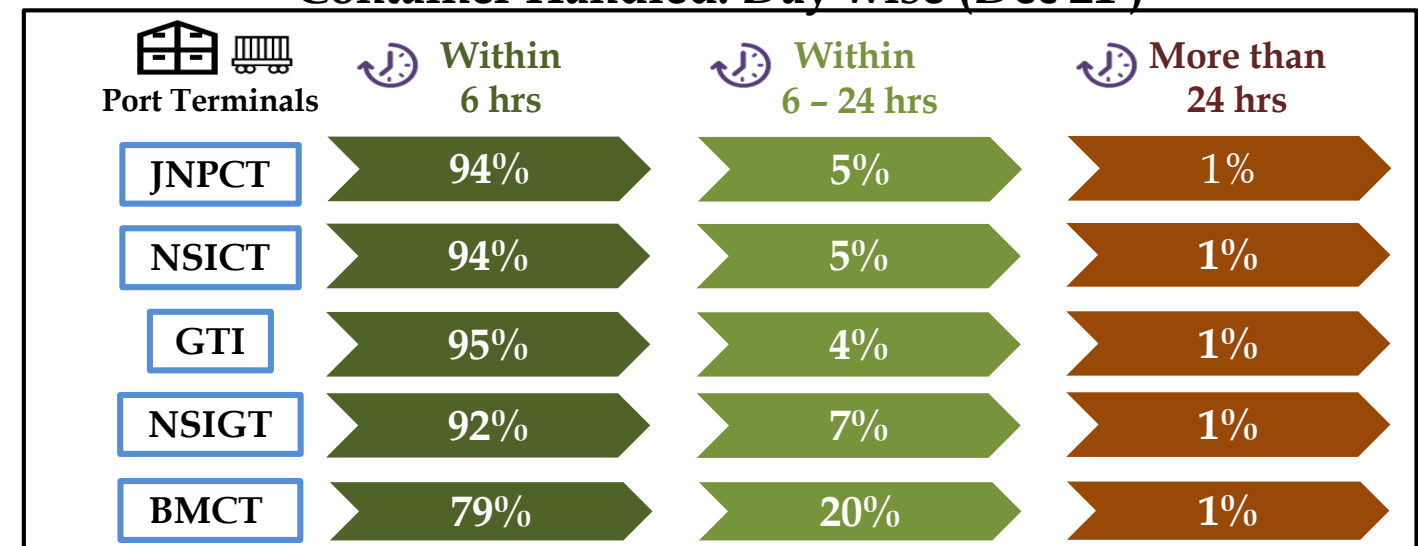
Top Performing CFS	
Adani CFS Eximyard, Mundra	
Nov'21	Dec'21 ⬆
69.1 hrs	62.3 hrs

Low Performing CFS	
Take Care Logistics CFS	
Nov'21	Dec'21 ⬇
115.7 hrs	120.9 hrs

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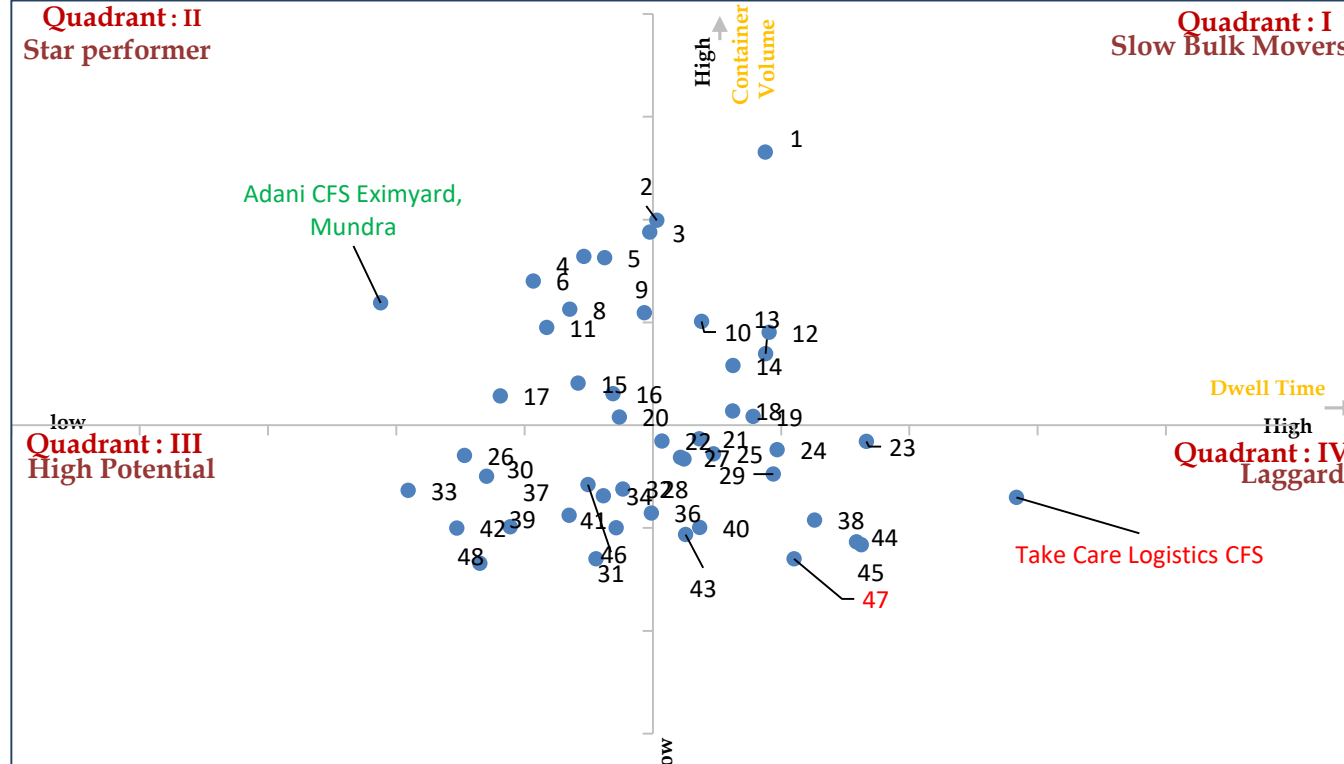⬆⬇ The arrows depict increase/decrease in overall performance of the stakeholders as compared to Nov'21

ICD

Top Performing ICD	
Navkar ICD, Tumb	
Nov'21	Dec'21 ⬆
119.8 hrs	107.0 hrs

Low Performing ICD	
Adani Logistics Park ICD, Gurgaon	
Nov'21	Dec'21 ⬇
135.4 hrs	145.5 hrs

Performance Index: Western Corridor CFS

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High Container Volume

Adani CFS Eximyard, Mundra

Dwell Time — High

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

Take Care Logistics CFS
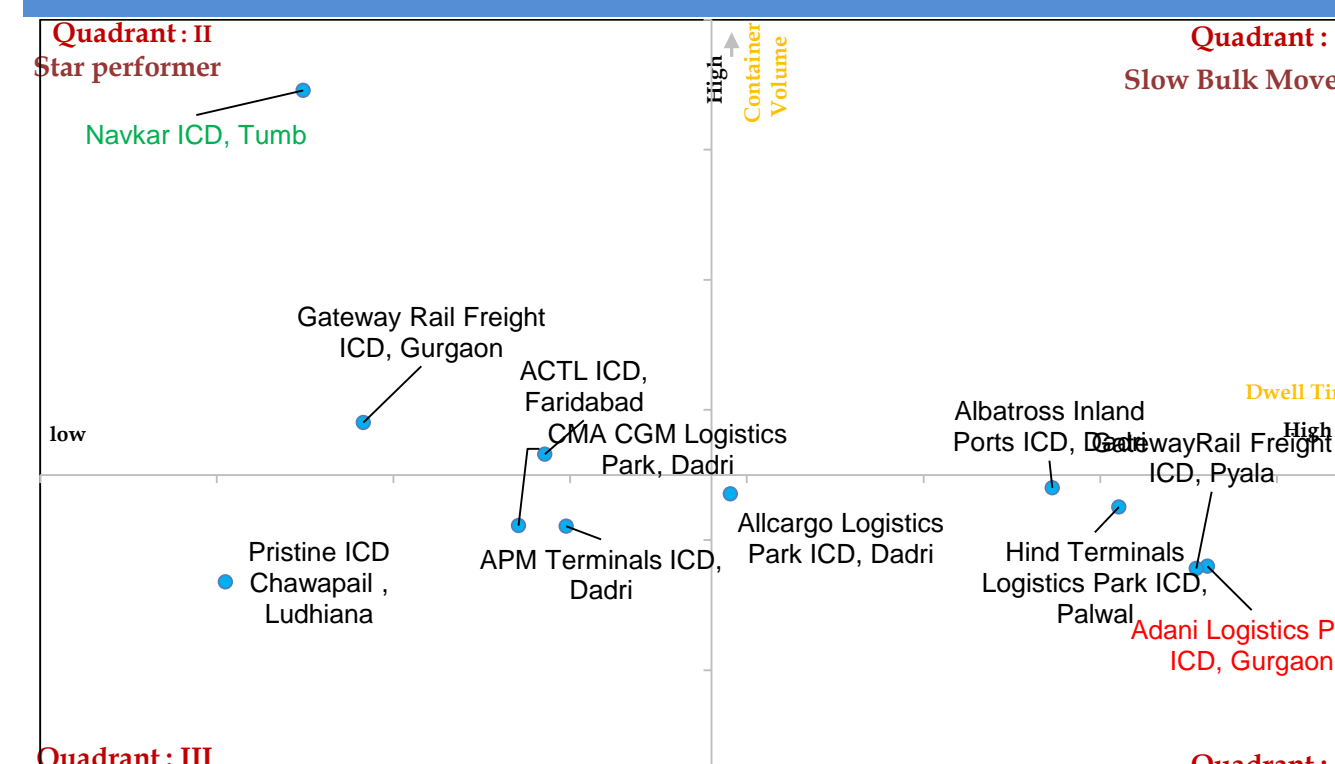
Kindly refer to Annexure section for the names of CFS

Performance Index: ICD

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High Container Volume

Navkar ICD, Tumb

Gateway Rail Freight ICD, Gurgaon

ACTL ICD, Faridabad

CMA CGM Logistics Park, Dadri

low

Albatross Inland Ports ICD, Dadri

Gateway Rail Freight ICD, Pyala

Dwell Time — High

Pristine ICD Chawapail, Ludhiana

APM Terminals ICD, Dadri

Allcargo Logistics Park ICD, Dadri

Hind Terminals Logistics Park ICD, Palwal

Adani Logistics Park ICD, Gurgaon

Quadrant : III
High Potential

Quadrant : IV
Laggard

Import Cycle Analysis

The below tables depict the port dwell time performance at JNPT port for truck and train bound containers in import cycle
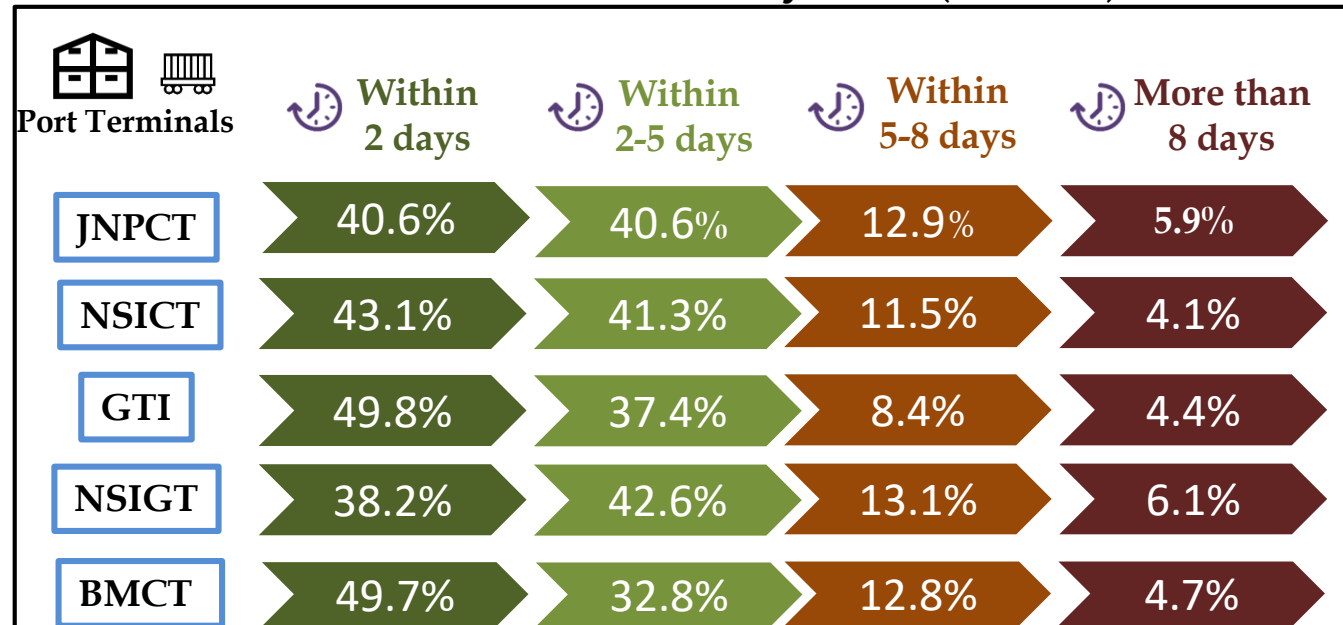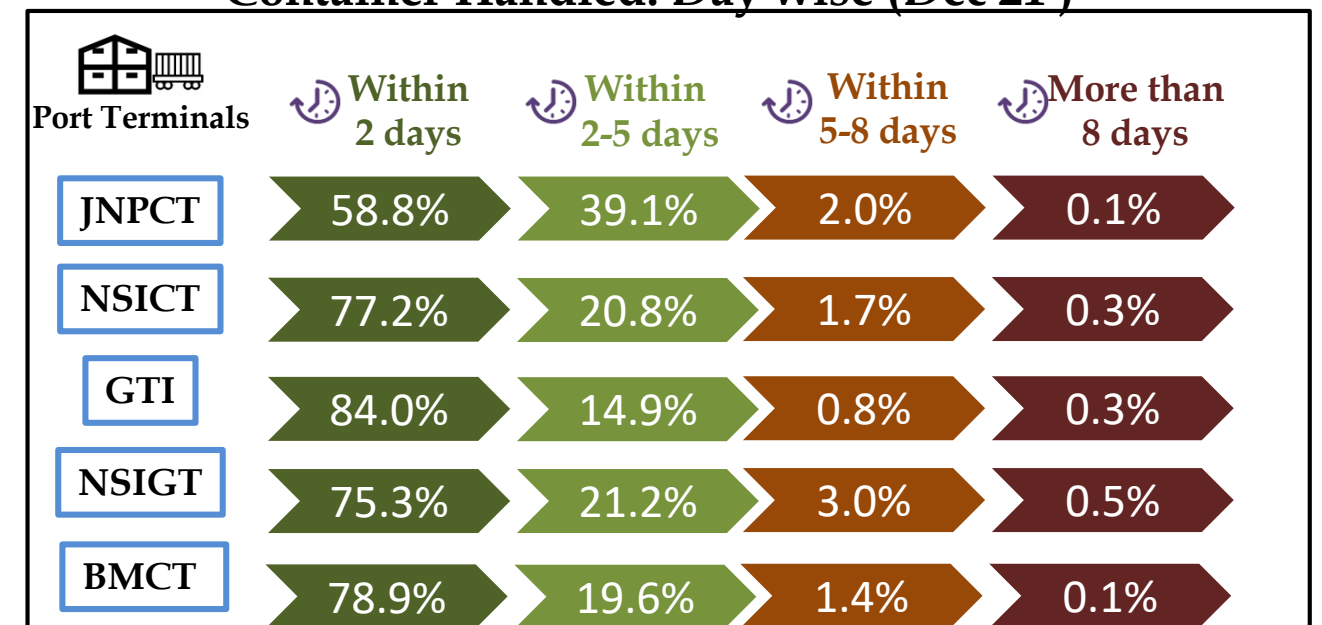
PORT IMPORT via TRAIN
(17% of total import volume at JNPT Port)

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	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	48.6	54.9
NSICT	66.8	57.3
GTI	44.7	48.3
NSIGT	61.0	62.1
BMCT	49.5	48.3

Container Handled: Day wise (Dec'21)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	40.6%	40.6%	12.9%	5.9%
NSICT	43.1%	41.3%	11.5%	4.1%
GTI	49.8%	37.4%	8.4%	4.4%
NSIGT	38.2%	42.6%	13.1%	6.1%
BMCT	49.7%	32.8%	12.8%	4.7%

PORT IMPORT via TRUCK
(83% 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	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	38.8	42.5
NSICT	18.7	25.6
GTI	17.2	19.3
NSIGT	16.9	24.0
BMCT	20.6	23.9

Container Handled: Day wise (Dec'21)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	58.8%	39.1%	2.0%	0.1%
NSICT	77.2%	20.8%	1.7%	0.3%
GTI	84.0%	14.9%	0.8%	0.3%
NSIGT	75.3%	21.2%	3.0%	0.5%
BMCT	78.9%	19.6%	1.4%	0.1%

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

JNPCT

Port Dwell time based on transit type

Dec'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	55.8 hrs	43.5 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	43.5 hrs	43.4 hrs

GTI

Port Dwell time based on transit type

Dec'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	37.7 hrs	16.6 hrs

Port Dwell time based on transit type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	20.6 hrs	37.1 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

NSICT

Port Dwell time based on transit type

Dec'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	64.0 hrs	22.3 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	26.7 hrs	35.6 hrs

NSIGT

Port Dwell time based on transit type

Dec'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	48.0 hrs	20.5 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	27.9 hrs	30.5 hrs

BMCT

Port Dwell time based on transit type

Dec'21	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	43.9 hrs	22.2 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	25.4 hrs	33.3 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of Dec'21
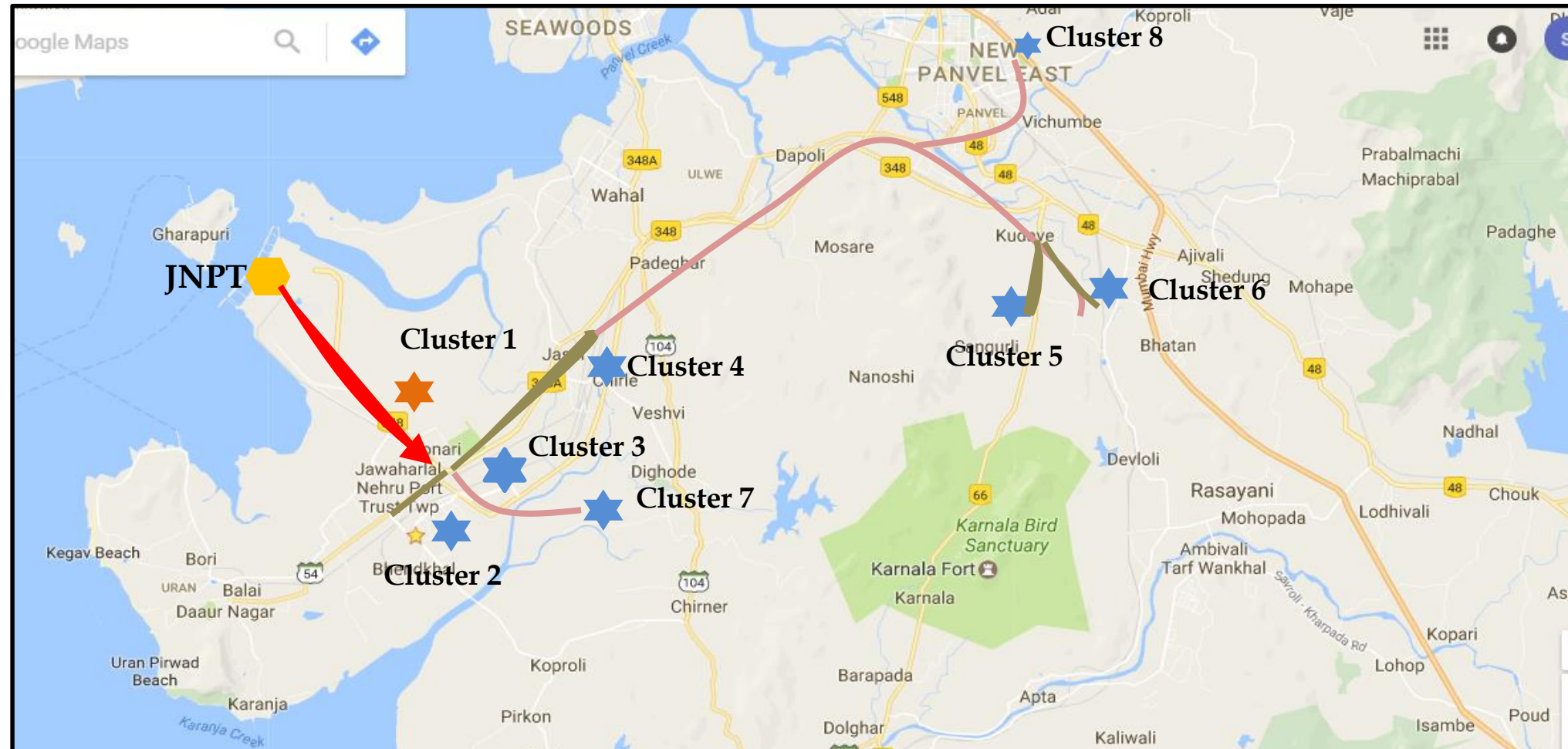
Clusters with bottleneck	
CLUSTER 1	JNPT Area

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

JNPT Region Import Cycle: Container Movement

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Dec'21
Mumbai region	74%
NH3	1%
Pune	5%
NH8	10%
others	10%

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

Heat Map via Truck: Dec'21
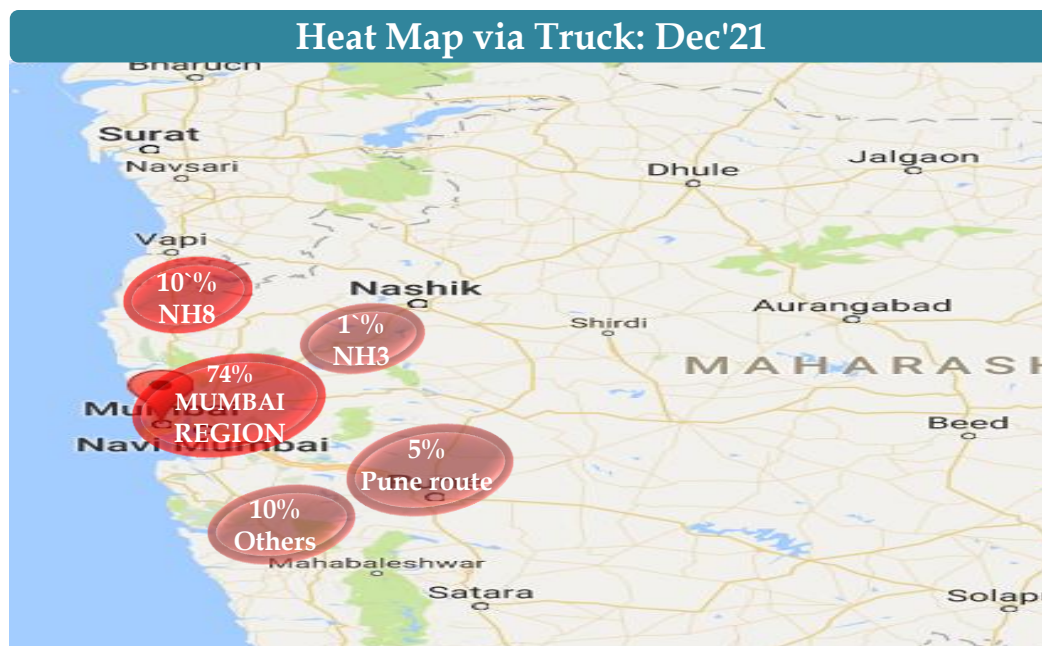
Train
VOLUME WISE CONTAINER MOVEMENT

Region	Dec'21
Vadodra Route	36%
Ratlam Route	22%
Wardha Route	19%
Kota Route	16%
Bhopal Route	7%

The map shows the volume wise container movement through different railway routes in import cycle

Container movement via Rail – Dec'21

Western Corridor Toll Plaza Analysis
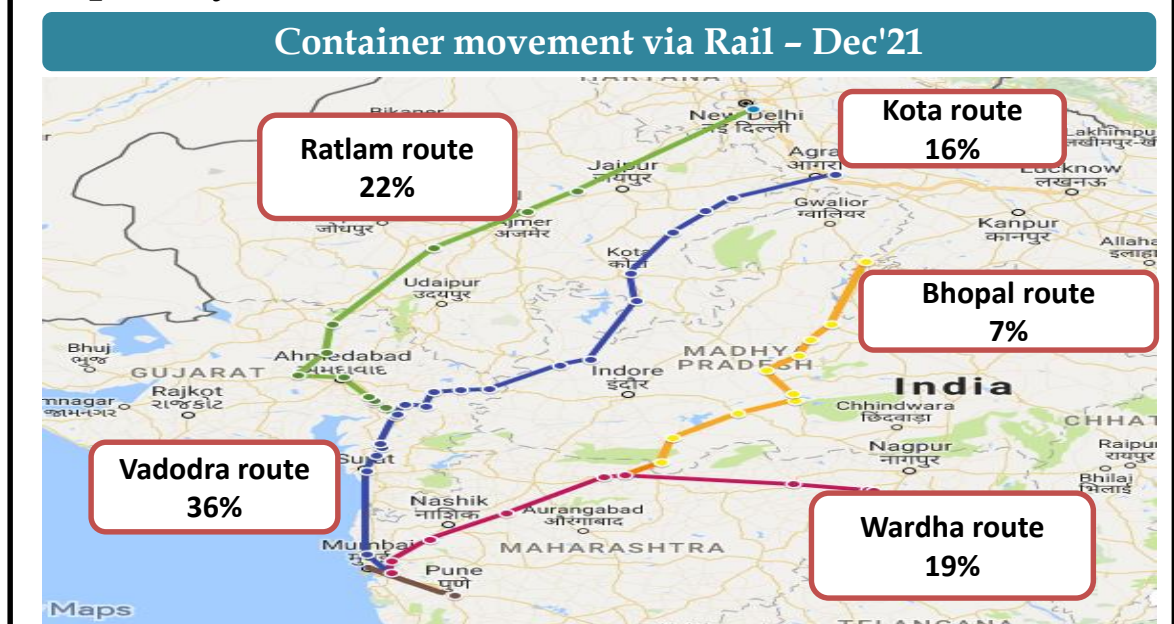
Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Nov'21 (in km/hrs)	Dec'21 (in km/hrs)
JNPT	JNPT	Khaniwade	94	13.9	-
	JNPT	Khalapur	60	13.7	12.0
	Khaniwade	Charoti	50	36.5	37.0
	Charoti	Boriach	126	29.1	29.5
	Boriach	Bharthan	142	32.7	30.3
	Bharthan	Vasad	60	37.7	38.0
	Khalalpur	Khedshivpur	105	34.0	33.5
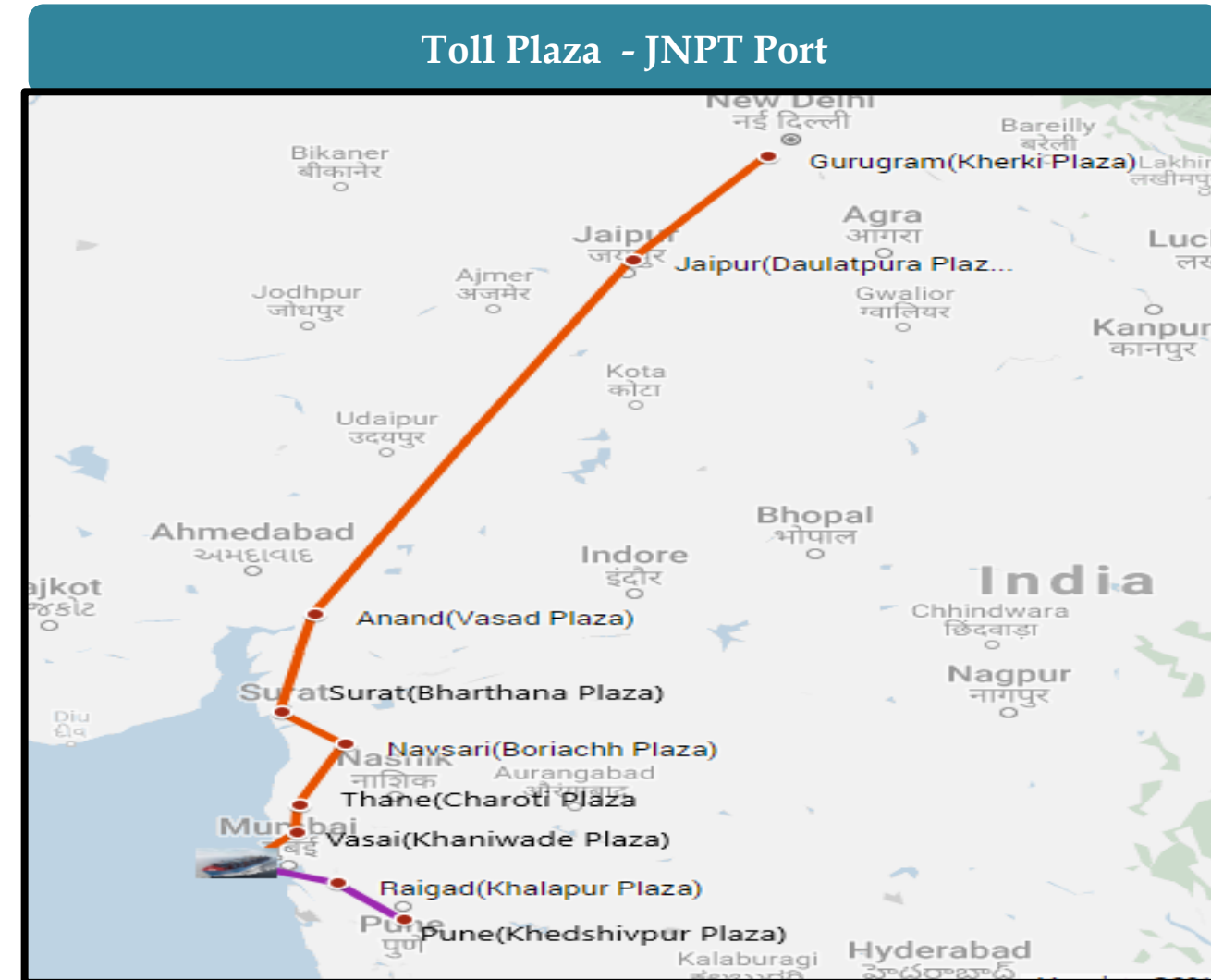
Toll Plaza - JNPT Port

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
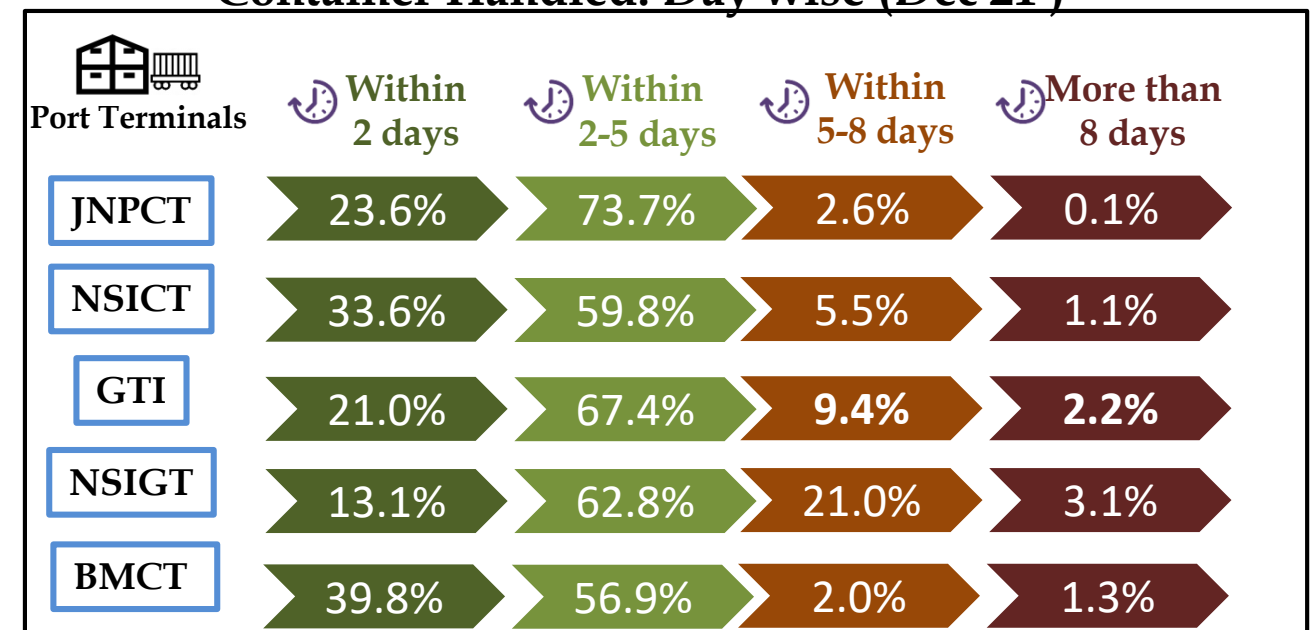
PORT EXPORT via TRAIN
(20% of total export volume at JNPT Port)

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	Nov'21 (in hrs)	Dec'21 (in hrs)
NSICT	10.0	14.7
GTI	131.3	129.3
NSIGT	105.8	110.7
BMCT	83.0	73.3

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

Container Handled: Day wise (Dec'21)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
NSICT	74.9%	16.7%	7.8%	0.6%
GTI	9.5%	35.8%	29.9%	24.8%
NSIGT	9.7%	45.8%	30.2%	14.3%
BMCT	33.6%	38.8%	18.6%	9.0%
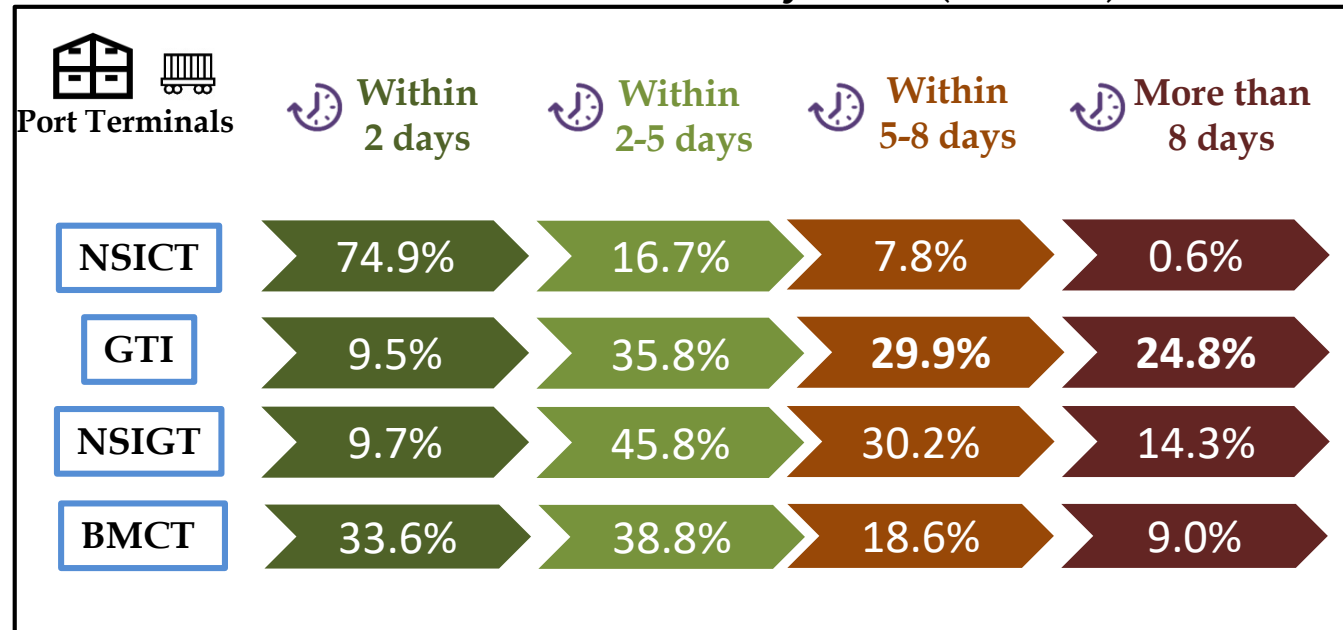
PORT EXPORT via TRUCK
(80% of total export volume at JNPT Port)

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	Nov'21 (in hrs)	Dec'21 (in hrs)
JNPCT	76.6	67.3
NSICT	66.0	62.2
GTI	78.3	75.1
NSIGT	86.5	92.9
BMCT	63.3	57.3

Container Handled: Day wise (Dec'21)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	23.6%	73.7%	2.6%	0.1%
NSICT	33.6%	59.8%	5.5%	1.1%
GTI	21.0%	67.4%	9.4%	2.2%
NSIGT	13.1%	62.8%	21.0%	3.1%
BMCT	39.8%	56.9%	2.0%	1.3%

JNPT Region: Dwell Time Performance (Export Cycle)

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

JNPCT

Port Dwell time based on transit type

Dec'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	68.7 hrs	63.8 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	65.3 hrs	71.8 hrs

GTI

Port Dwell time based on transit type

Dec'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	84.4 hrs	71.5 hrs

Port Dwell time based on container type

Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	85.7 hrs	66.3 hrs

JNPT Region: Dwell Time Performance (Export Cycle)

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

NSICT

Port Dwell time based on transit type		
Dec'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	70.1 hrs	58.1 hrs

Port Dwell time based on container type		
Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	52.4 hrs	51.2 hrs

NSIGT

Port Dwell time based on transit type		
Dec'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	97.3 hrs	94.1 hrs

Port Dwell time based on container type		
Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	94.9 hrs	75.1 hrs

BMCT

Port Dwell time based on transit type		
Dec'21	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	57.6 hrs

Port Dwell time based on container type		
Dec'21	Laden Containers	Empty Containers
Dwell time (in hrs)	64.8 hrs	49.6 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of Dec'21
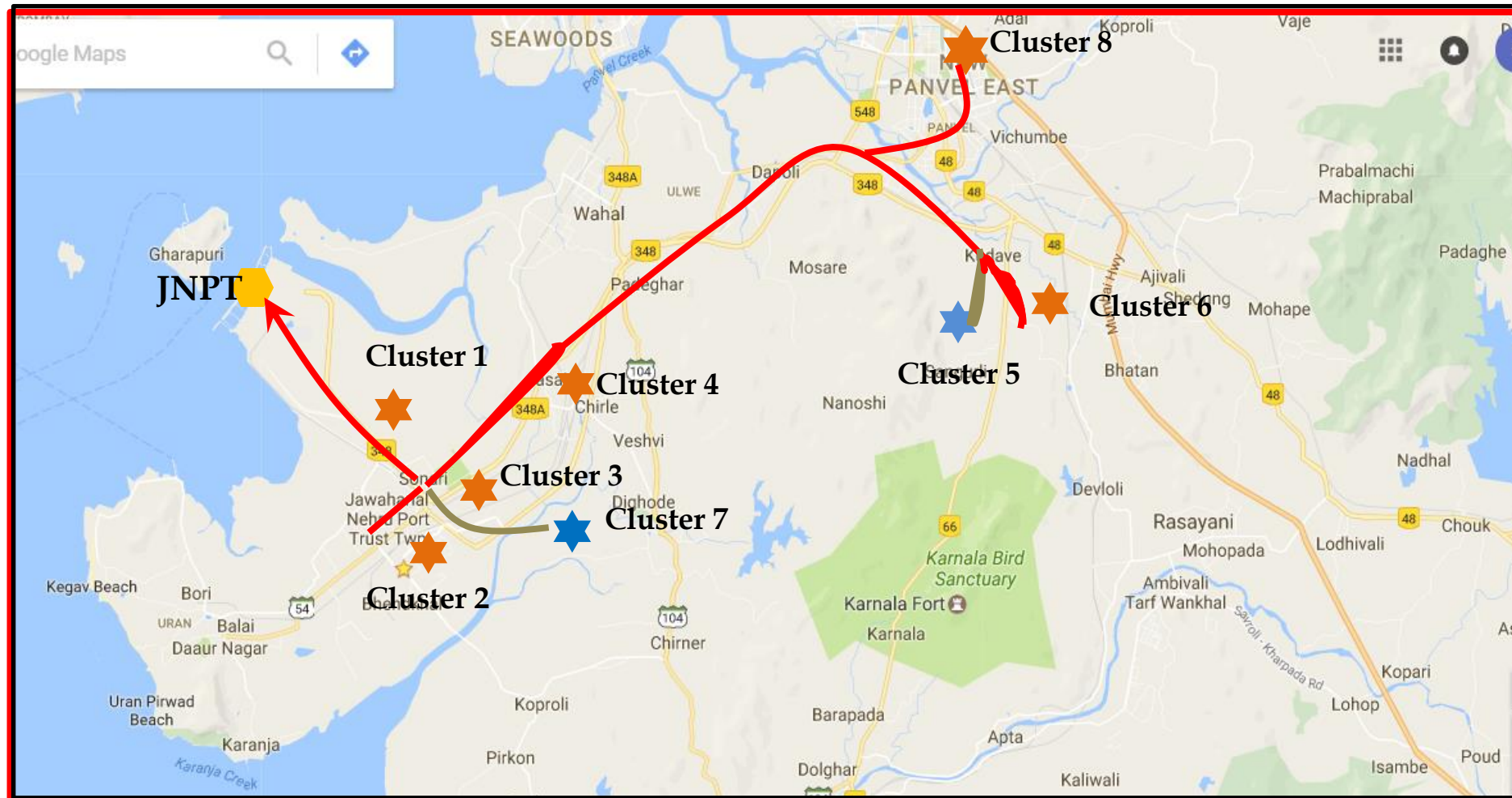
Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 8	Taloja, Navi Mumbai

Clusters without bottleneck

CLUSTER 5	Plaspa area, Coach Kanyakumari Highway
CLUSTER 7	Patilpada area, Khopate JNPT road

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

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 :-

JNPT Region: Container Movement via Train

JNPT Port	
Route	**Percentage of Container Movement**
Vadodra Route	29%
Ratlam Route	22%
Wardha Route	21%
Kota Route	14%
Bhopal Route	14%

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

Container movement via Rail – Dec'21
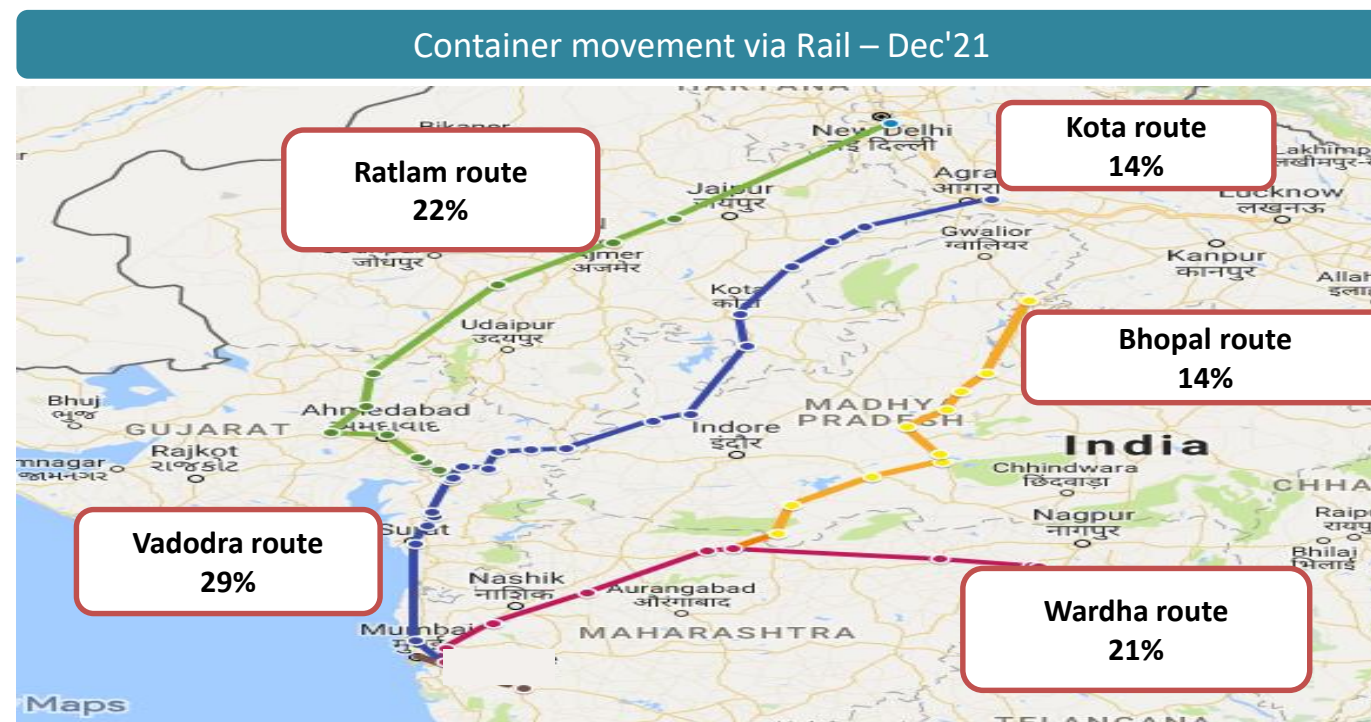
CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs.)

CFS	Nov'21 (in hrs)	Dec'21 (in hrs)
CWC Hind Terminal CFS, Navi Mumbai	93.8	97.7
AllCargo Logistics	82.8	87.8
Speedy Multimode CFS, JNPT	76.6	81.0
Gateway Distriparks CFS, Navi Mumbai	83.6	82.9
Continental Warehousing CFS, Navi Mumbai	74.1	76.4
JWC Logistics Park CFS	83.8	79.7
Navkar Corporation Yard 3 CFS, Panvel	91.2	86.6
Ameya Logistics CFS, Navi Mumbai	104.3	91.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	79.0	77.6
EFC Logistics India	78.2	80.5
International Cargo Terminal CFS	92.5	83.7
JWR CFS	77.3	73.3
Ashte Logistics CFS, Panvel	102.0	94.7
Sarveshwar CFS	105.4	96.6
Apollo Logisolutions CFS, Panvel	86.1	107.0

CFS	Nov'21 (in hrs)	Dec'21 (in hrs)
Navkar Corporation Yard 2 CFS, Panvel	111.0	98.8
Punjab Conware CFS, Navi Mumbai	70.3	70.1
Seabird CFS, Navi Mumbai	90.1	89.9
Indev Logistics CFS, Panvel	82.7	81.4
Vaishno Logistics CFS, Navi Mumbai	85.0	84.6
Balmer & Lawrie CFS, Navi Mumbai	87.7	82.8
Take Care Logistics CFS	115.7	120.9
TG Terminals CFS	87.8	79.7
Maersk Annex (APM)CFS, Navi Mumbai	89.8	102.3
Dronagiri Rail Terminal CFS, Navi Mumbai	72.2	74.2
Ocean Gate CFS, Panvel	88.2	91.7
APM (Maersk India) CFS, Navi Mumbai	101.1	90.4
Navkar Corporation Yard 1 CFS, Panvel	93.0	106.6
Maharashtra State Corp CFS	78.2	71.5

CFS – DWELL OVERVIEW – DEC'21 (IN HRS)
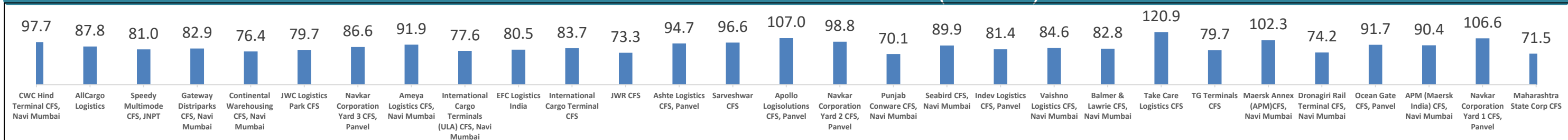
Average: 86.2 hrs.

ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Nov'21 (in hrs)	Dec'21 (in hrs)
ACTL ICD, Faridabad	135.9	117.3
Adani Logistics Park ICD, Gurgaon	135.4	145.5
Albatross Inland Ports ICD, Dadri	117.3	138.9
Allcargo Logistics Park ICD, Dadri	106.7	125.2
APM Terminals ICD, Dadri	134.0	118.2
CMA CGM Logistics Park, Dadri	104.9	116.2
Gateway Rail Freight ICD, Gurgaon	97.9	109.6
GatewayRail Freight ICD, Pyala	136.0	145.1
Hind Terminals Logistics Park ICD, Palwal	129.3	141.8
Navkar ICD, Tumb	119.8	107.0
Pristine ICD Chawapail	118.7	103.7

ICD – DWELL OVERVIEW (DEC'21)   (In Hrs)

Avg. 119.9 hrs.
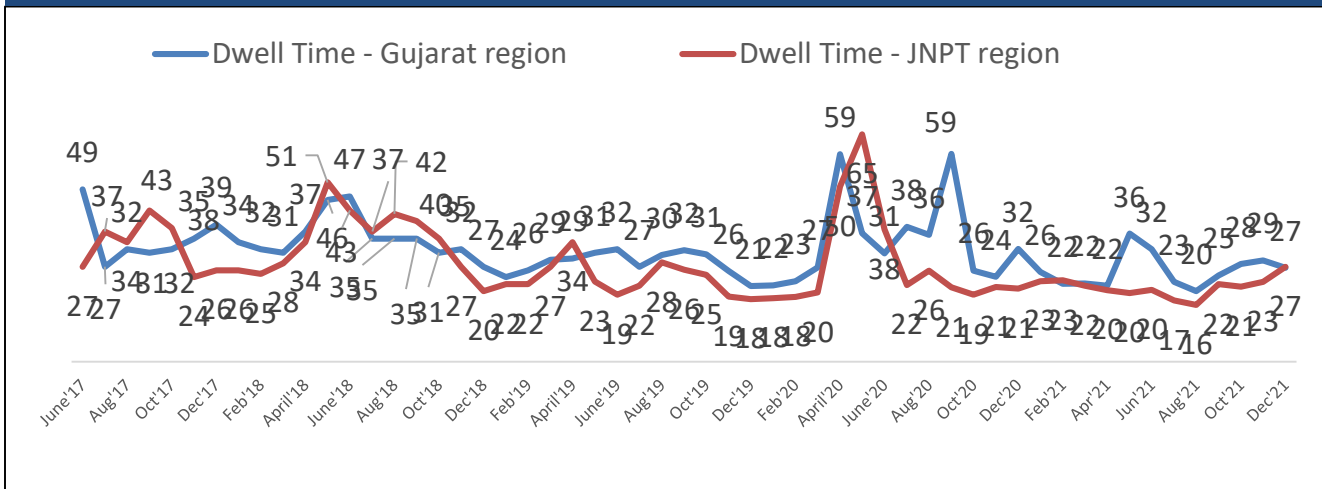
Trend Analysis
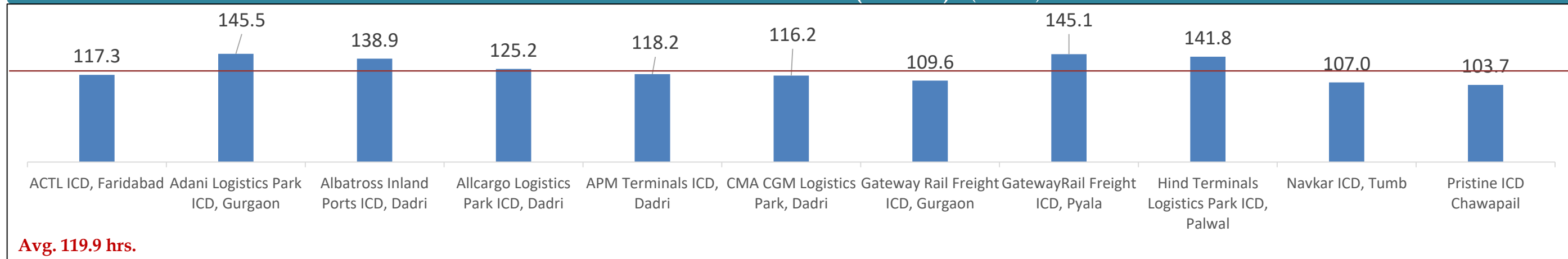
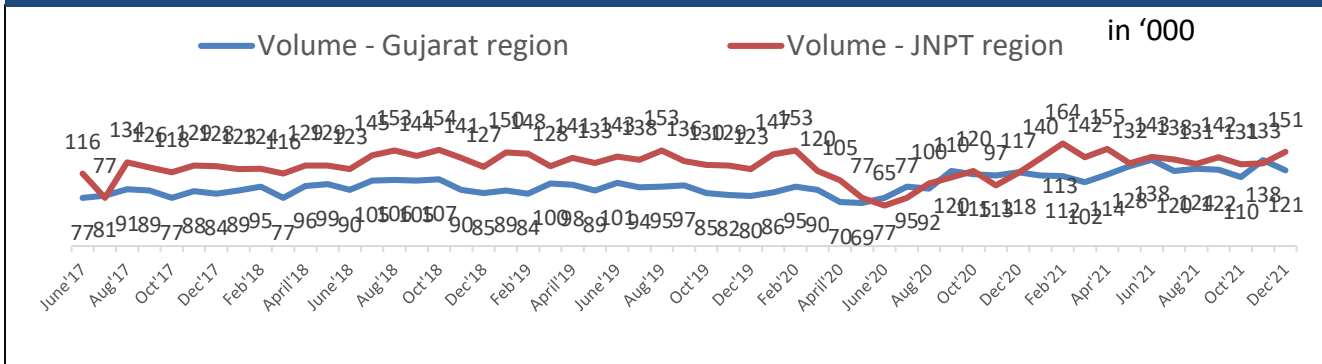# Western Corridor Port – Yearly Analysis

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

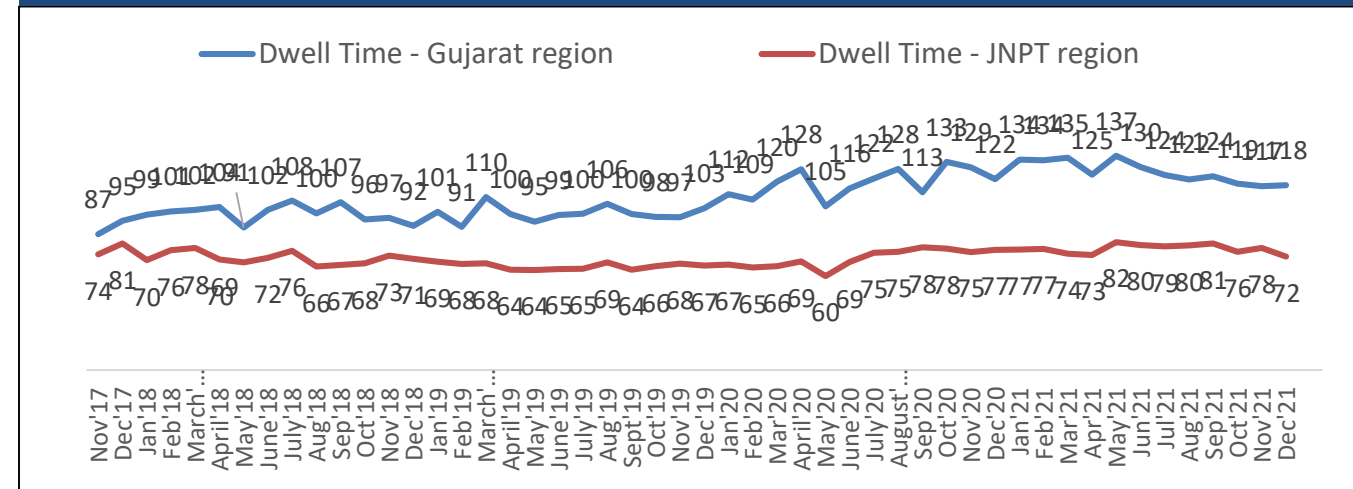## Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region

Volume – Gujarat Region Vs JNPT Region

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region

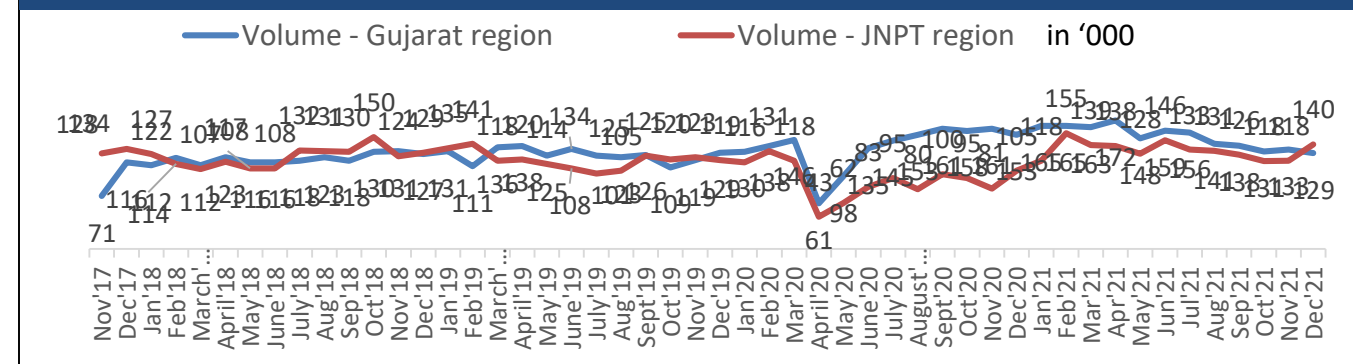### **Volume** – Gujarat Region Vs JNPT Region

In Import cycle, for the month of Dec'21 APSEZ port has catered 24% **less volume** than JNPT Port, and has maintained 1% **lower dwell time** than JNPT Port.
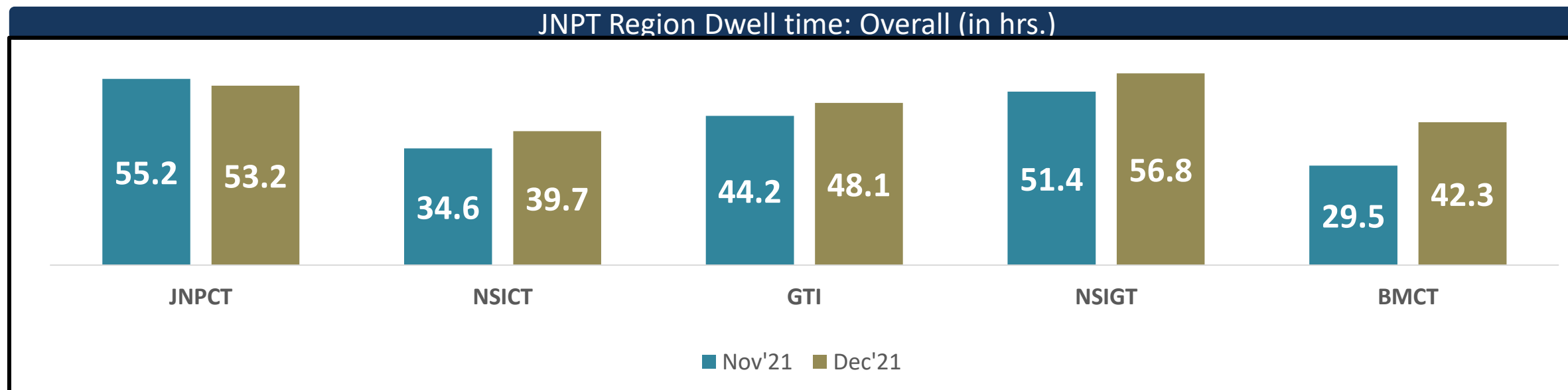
In Export cycle, for the month Dec'21 JNPT port catered 9% **more volume** than APSEZ Port, and has maintained 39% **lower dwell time** than APSEZ Port

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
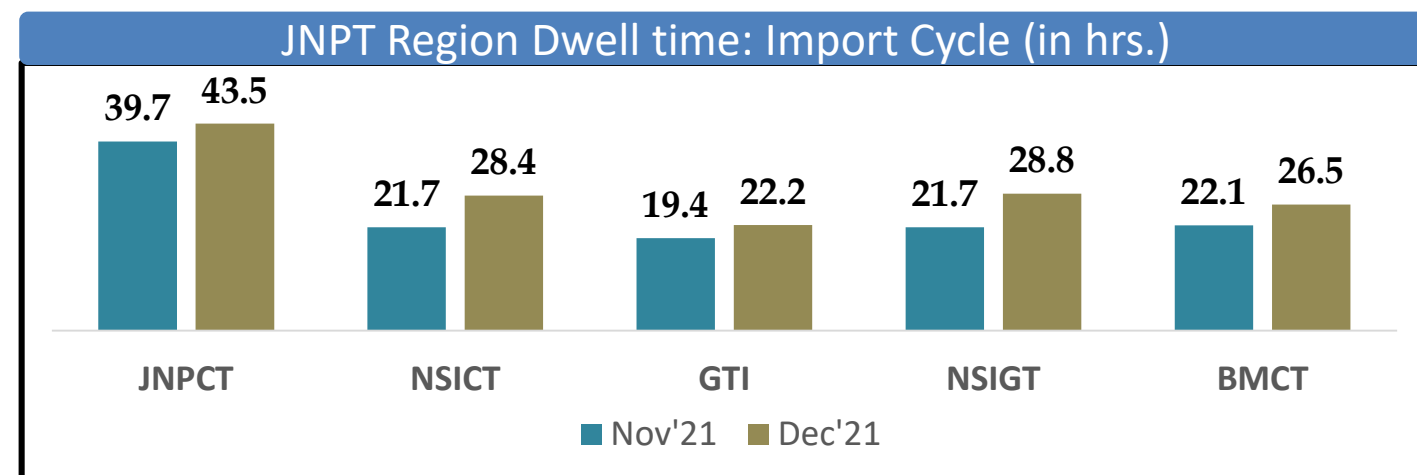
JNPT Region Dwell time: Overall (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Nov'21	55.2	34.6	44.2	51.4	29.5
Dec'21	53.2	39.7	48.1	56.8	42.3

The overall JNPT region average dwell time for Dec'21 **is 46.9 hrs** as compared to **44.6 hrs in Nov'21**

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Dec'21
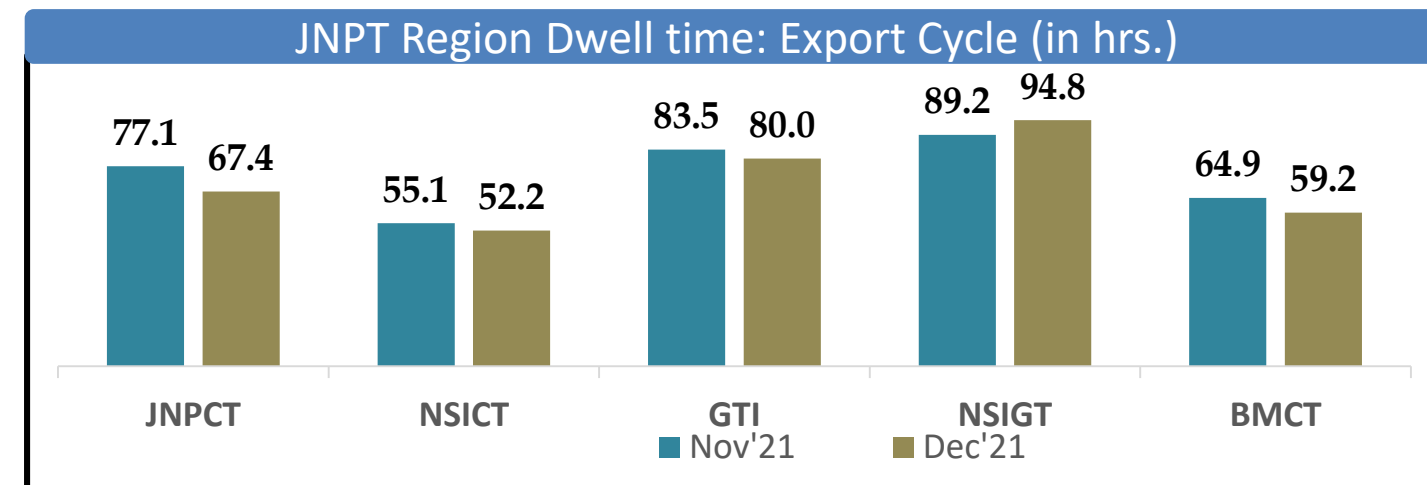
JNPT Import cycle Trend
The average import cycle dwell time of JNPT region port terminals for Dec'21 is **27.0 hrs.**

JNPT Region Dwell time: Import Cycle (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Nov'21	39.7	21.7	19.4	21.7	22.1
Dec'21	43.5	28.4	22.2	28.8	26.5

JNPT Export cycle Trend
The average export cycle dwell time of JNPT region port terminals for Dec'21 is **72.3 hrs.**

JNPT Region Dwell time: Export Cycle (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Nov'21	77.1	55.1	83.5	89.2	64.9
Dec'21	67.4	52.2	80.0	94.8	59.2

ANNEXURE

Container movement around JNPT Port terminal region via Truck

HEAT MAP : GTI Port Terminal
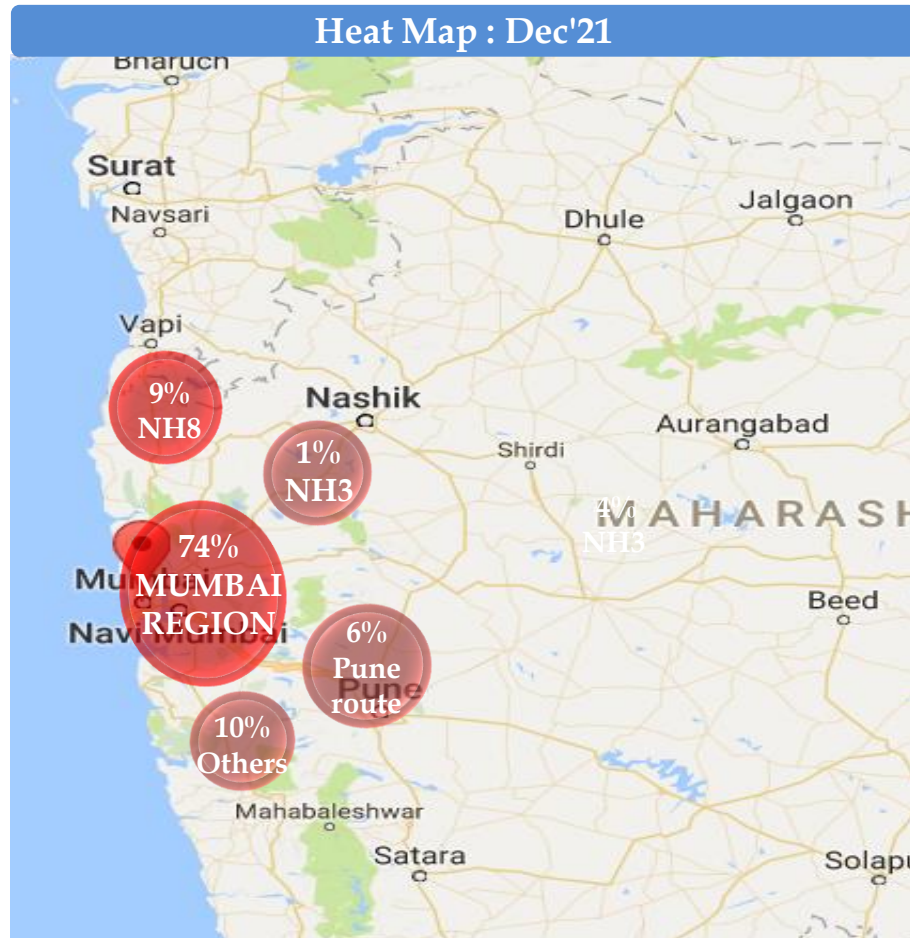
Heat Map : Dec'21

Region	Nov'21	Dec'21
Mumbai region	73%	74%
NH3	1%	1%
Pune	6%	6%
NH8	10%	9%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal
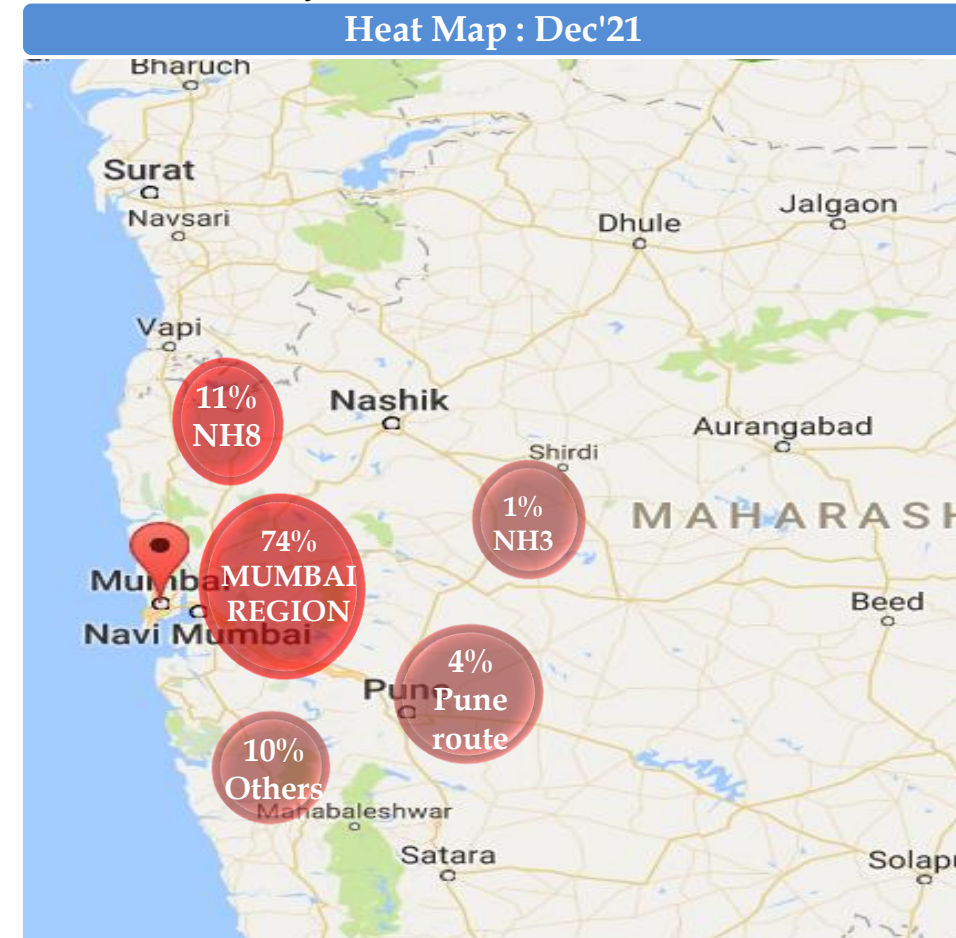
Heat Map : Dec'21

Region	Nov'21	Dec'21
Mumbai region	73%	74%
NH3	1%	1%
Pune	4%	4%
NH8	12%	11%
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	Nov'21	Dec'21
Mumbai region	76%	79%
NH3	1%	1%
Pune	5%	4%
NH8	8%	6%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.
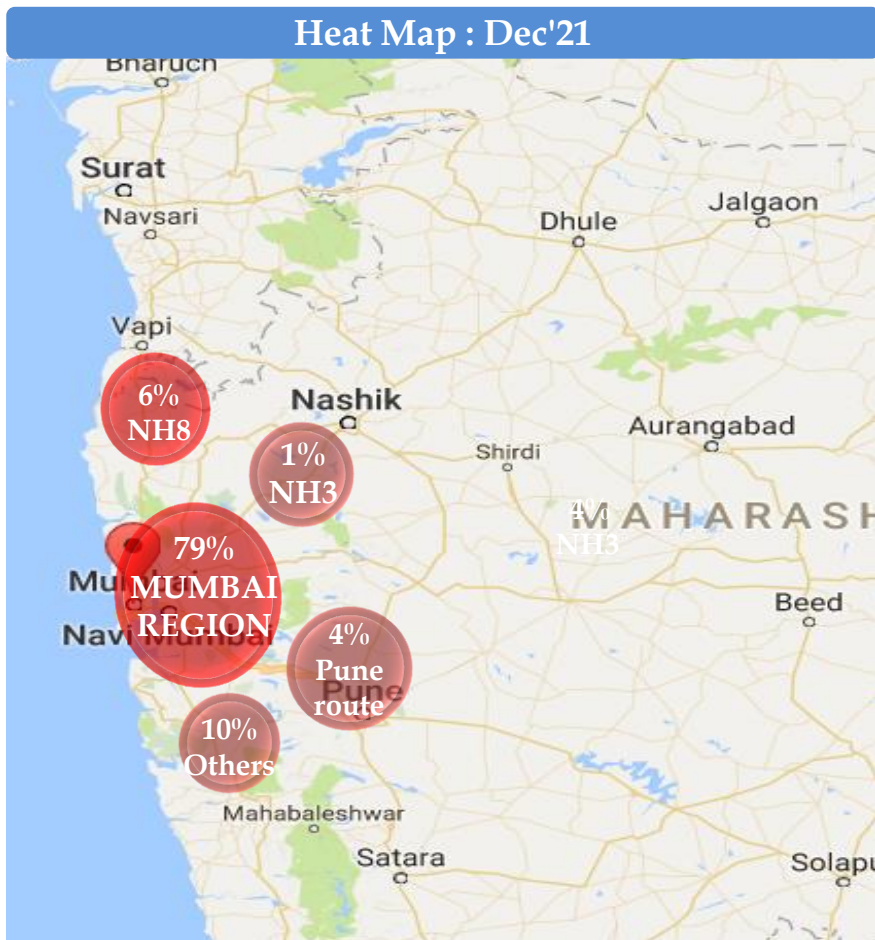
HEAT MAP : NSICT Port Terminal
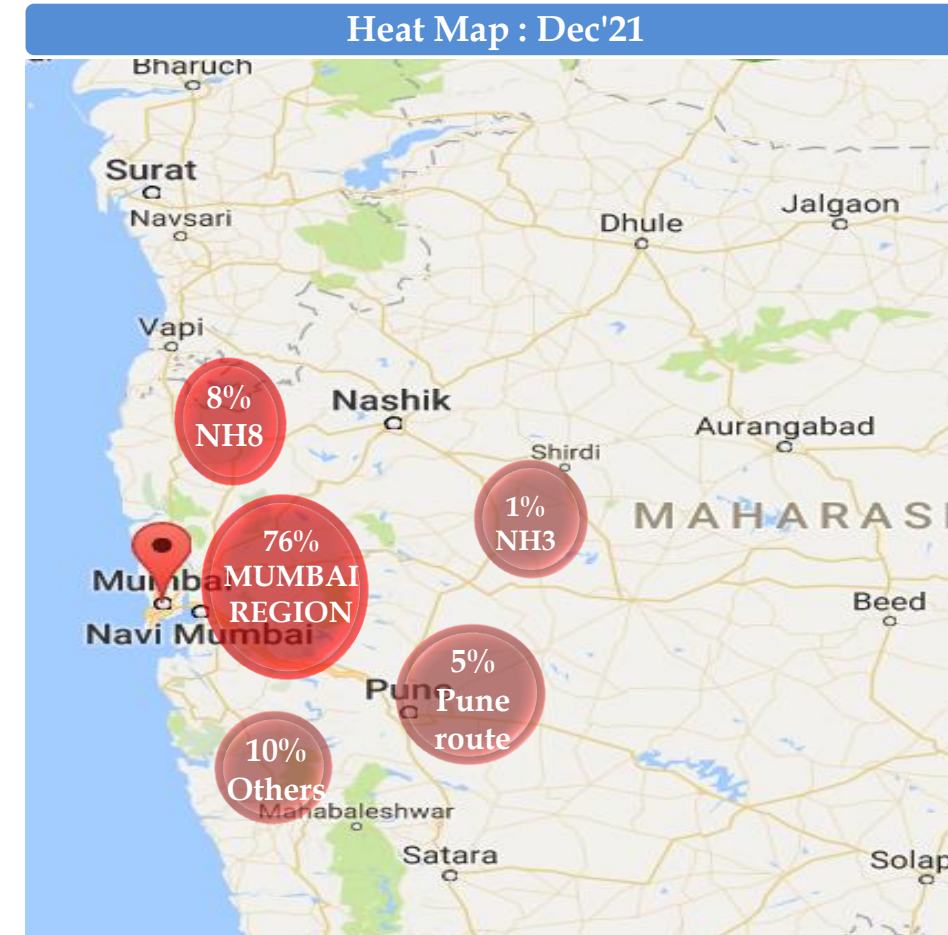
Region	Nov'21	Dec'21
Mumbai region	77%	76%
NH3	1%	1%
Pune	4%	5%
NH8	8%	8%
others	10%	10%

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 Dec'21					
CFS Out Port in (Export Cycle in Hrs)					
CFS	**JNPCT**	**GTI**	**NSICT**	**NSIGT**	**BMCT**
Gateway Distriparks CFS, Navi Mumbai	1.5	2.6	3.0	2.6	4.7
Punjab Conware CFS, Navi Mumbai	2.1	3.0	3.8	3.0	4.2
JWC Logistics Park CFS	3.5	4.3	3.4	4.1	5.3
CWC Hind Terminal CFS, Navi Mumbai	2.0	3.6	3.2	2.8	5.0
Dronogiri Rail Terminal CFS, Navi Mumbai	1.4	2.5	3.6	2.4	4.0
Navkar Corporation Yard 2 CFS, Panvel	4.9	5.5	5.4	4.6	6.9
Vaishno Logistics CFS, Navi Mumbai	2.8	3.7	2.4	3.1	4.9
Speedy Multimode CFS, JNPT	2.2	2.5	3.2	2.6	4.3
Balmer & Lawrie CFS, Navi Mumbai	2.9	3.1	1.6	3.6	3.8
Navkar Corporation Yard 3 CFS, Panvel	5.2	5.5	4.9	5.0	6.4
Ashte Logistics CFS, Panvel	3.8	3.9	3.6	3.5	6.3
Continental Warehousing CFS, Navi Mumbai	2.6	2.7	2.1	1.8	3.0
SBW Logistics CFS, Navi Mumbai	7.2	9.0	9.5	9.0	8.3
Maharashtra State Corp CFS	2.1	2.3	2.4	3.7	4.4
Internation Cargo Terminal CFS	2.6	3.1	2.3	2.5	4.1
Seabird CFS, Navi Mumbai	2.2	3.0	2.6	3.8	3.0
Apollo Logisolutions CFS, Panvel	3.0	3.7	2.7	3.5	5.4
Ameya Logistics CFS, Navi Mumbai	2.3	2.6	2.9	3.5	4.4
AllCargo Logistics	2.9	2.3	1.8	2.4	4.4
Ocean Gate CFS, Panvel	2.6	3.9	2.7	4.1	5.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.6	3.4	3.9	4.0	4.9
Indev Logistics CFS, Panvel	2.4	3.8	3.9	4.9	5.1
CWC Dronagiri CFS, Navi Mumbai	-	-	-	1.2	-
APM (Maersk India) CFS, Navi Mumbai	3.1	2.5	3.0	2.0	3.3

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	Dec'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.4
APM (Maersk India) CFS, Navi Mumbai	2.3
Internation Cargo Terminal CFS	2.3
Ameya Logistics CFS, Navi Mumbai	2.0
AllCargo Logistics	2.4
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	5.0
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	3.0
Ashte Logistics CFS, Panvel	3.8
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	5.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.7
Maersk Annex (APM)CFS, Navi Mumbai	2.6
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	3.9
Navkar Corporation Yard 2 CFS, Panvel	5.2
Punjab Conware CFS, Navi Mumbai	3.8
Vaishno Logistics CFS, Navi Mumbai	1.9
JWC Logistics Park CFS	3.9
SBW Logistics CFS, Navi Mumbai	4.8
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	31.4

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	Dec'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	1.9
AllCargo Logistics	2.1
Indev Logistics CFS, Panvel	3.4
Navkar Corporation Yard 3 CFS, Panvel	3.1
Seabird CFS, Navi Mumbai	2.0
Balmer & Lawrie CFS, Navi Mumbai	2.7
Ashte Logistics CFS, Panvel	3.2
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	13.7
Navkar Corporation Yard 1 CFS, Panvel	6.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	3.6
Punjab Conware CFS, Navi Mumbai	2.5
Vaishno Logistics CFS, Navi Mumbai	1.5
JWC Logistics Park CFS	4.0
SBW Logistics CFS, Navi Mumbai	4.3
Ocean Gate CFS, Panvel	3.8
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	Dec'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	2.2
Ameya Logistics CFS, Navi Mumbai	2.4
AllCargo Logistics	2.7
Indev Logistics CFS, Panvel	3.8
Navkar Corporation Yard 3 CFS, Panvel	6.1
Seabird CFS, Navi Mumbai	2.8
Balmer & Lawrie CFS, Navi Mumbai	2.2
Ashte Logistics CFS, Panvel	3.8
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	2.2
Dronogiri Rail Terminal CFS, Navi Mumbai	5.2
Navkar Corporation Yard 1 CFS, Panvel	7.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9
Maersk Annex (APM)CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	2.4
Apollo Logisolutions CFS, Panvel	6.0
Navkar Corporation Yard 2 CFS, Panvel	7.2
Punjab Conware CFS, Navi Mumbai	2.6
Vaishno Logistics CFS, Navi Mumbai	1.6
JWC Logistics Park CFS	4.6
SBW Logistics CFS, Navi Mumbai	2.9
Ocean Gate CFS, Panvel	3.5
Maharashtra State Corp CFS	26.1

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	Dec'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	2.1
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.1
AllCargo Logistics	2.5
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	5.5
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	2.7
Ashte Logistics CFS, Panvel	3.3
Continental Warehousing CFS, Navi Mumbai	2.1
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	4.1
Navkar Corporation Yard 1 CFS, Panvel	7.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.0
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	3.1
Apollo Logisolutions CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	6.5
Punjab Conware CFS, Navi Mumbai	3.1
Vaishno Logistics CFS, Navi Mumbai	2.6
JWC Logistics Park CFS	3.9
SBW Logistics CFS, Navi Mumbai	2.0
Ocean Gate CFS, Panvel	3.4
Maharashtra State Corp CFS	15.3

CFS - AVERAGE DELIVERY TIME - BMCT TO ALL CFS's IN MUMBAI

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

AVERAGE DELIVERY TIME (In Hrs)- BMCT TO ALL CFS IN MUMBAI	
CFS	Dec'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.6
APM (Maersk India) CFS, Navi Mumbai	2.0
Internation Cargo Terminal CFS	2.4
Ameya Logistics CFS, Navi Mumbai	1.8
AllCargo Logistics	2.2
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	4.7
Seabird CFS, Navi Mumbai	2.1
Balmer & Lawrie CFS, Navi Mumbai	2.5
Ashte Logistics CFS, Panvel	3.8
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	15.5
Navkar Corporation Yard 1 CFS, Panvel	5.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.3
Maersk Annex (APM)CFS, Navi Mumbai	2.2
Speedy Multimode CFS, JNPT	2.2
Apollo Logisolutions CFS, Panvel	3.6
Navkar Corporation Yard 2 CFS, Panvel	5.6
Punjab Conware CFS, Navi Mumbai	3.2
Vaishno Logistics CFS, Navi Mumbai	1.5
JWC Logistics Park CFS	4.1
SBW Logistics CFS, Navi Mumbai	4.3
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	-

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 Dec'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	2.5
Cluster 2	6	13	2.6	3.1
Cluster 3	6	11	11.5	2.7
Cluster 4	1	13	1.9	3.7
Cluster 5	2	25	3.5	4.1
Cluster 6	6	25	4.5	3.9
Cluster 7	4	12	2.0	2.6
Cluster 8	1	34	4.8	9.0

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Dec'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	2.2
Cluster 2	6	13	2.0	2.3
Cluster 3	6	11	2.5	2.1
Cluster 4	1	13	1.5	2.8
Cluster 5	2	25	3.9	3.1
Cluster 6	6	25	3.5	3.8
Cluster 7	4	12	1.9	2.6
Cluster 8	1	34	4.3	7.2

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**

JNPT Region : Cluster Analysis

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

NSICT terminal for month of Dec'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	2.4	3.2
Cluster 2	6	13	2.2	3.0
Cluster 3	6	11	4.0	3.1
Cluster 4	1	13	1.6	2.4
Cluster 5	2	25	4.1	3.0
Cluster 6	6	25	6.1	3.9
Cluster 7	4	12	2.4	2.1
Cluster 8	1	34	2.9	9.5

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Dec'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	3.1	2.6
Cluster 2	6	13	2.1	2.7
Cluster 3	6	11	2.0	3.3
Cluster 4	1	13	2.6	3.1
Cluster 5	2	25	3.7	4.1
Cluster 6	6	25	4.6	4.6
Cluster 7	4	12	2.1	2.4
Cluster 8	1	34	2.0	9.0

CFS Cluster : BMCT Terminal

BMCT terminal for month of Dec'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	4.3
Cluster 2	6	13	2.4	4.4
Cluster 3	6	11	2.0	4.1
Cluster 4	1	13	1.5	4.9
Cluster 5	2	25	3.6	5.5
Cluster 6	6	25	4.3	6.3
Cluster 7	4	12	1.8	4.4
Cluster 8	1	34	4.3	8.3

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**

LDB Operations Snapshot

Operational

To be Go-Live ports

SEZ

ICD

CFS + Empty Yard

TOLL PLAZA

09

22

145

60

PIPAVAV
9th Nov 2020

MUNDRA
1st Apr 2017
Terminals Operational:
1. MICT
2. AICT
3. AMCT
4. ACMT

KANDLA
2nd Jan 2019

HAZIRA
1st Apr 2017

MUMBAI

JNPT
1st July 2016
Terminals Operational:
1. JNPCT
2. GTI (APM)
3. NSICT
4. NSIGT
5. BMCT

MORMUGAO
25th Nov 2019

NEW MANGALORE
'21st Nov 2018

COCHIN
16th Nov 2018

KOLKATA
1st Dec 2018

HALDIA
30th Nov 2018

PARADIP
20th Nov 2019

VIZAG
1st Nov 2018

KRISHNAPATNAM
1st Nov 2018

KATTUPALLI
28th Nov 2018

ENNORE
17th Dec 2019

CHENNAI
1st Nov 2018
Terminals Operational:
1. CITPL
2. CCTPL

TUTICORIN
22nd Nov 2018
Terminals Operational:
1. PSA Sical - TCT
2. DBGT

S. N. O.	Remaining Ports for LDB to Go Live	Status
1	Mumbai Port Trust	RFID readers already Installed

100% Container Visibility after Pipavav Port Go Live

- More than about 42 million EXIM containers covered till date.(2021.11.28)

Below mentioned are all the CFS in the respective Clusters :

Cluster 1
(JNPT Area)

- Speedy Multimode CFS,JNPT

Cluster 2
(Bhendkhal area, Khopate road)

- APM (Maersk India) CFS, Navi Mumbai
- Maersk Annex (APM)CFS, Navi Mumbai
- Balmer & Lawrie CFS, Navi Mumbai
- CWC Hind Terminal CFS, Navi Mumbai
- International Cargo Terminals (ULA) CFS, Navi Mumbai & Infrastructure Private Limited
- Gateway Distriparks CFS, Navi Mumbai
- International Cargo Terminal CFS

Cluster 3
Sonari area,JNPT road

- Punjab Conware CFS, Navi Mumbai
- Dronogiri Rail Terminal CFS, Navi Mumbai
- CWC Impex Park CFS, Navi Mumbai
- CWC Dronagiri CFS, Navi Mumbai
- Maharashtra State Corp CFS
- Seabird CFS, Navi Mumbai

Cluster 4
(Chirle area , JNPT road)

- Vaishno Logistics CFS, Navi Mumbai

Cluster 5
(Plaspa area, Coachi kanyakumari Highway)

- JWC Logistics Park CFS
- Ocean Gate CFS, Panvel

Cluster 6
(Salva apta rd area, Bangalore highway)

- Ashte Logistics CFS, Panvel
- Apollo Logisolutions CFS, Panvel
- Indev Logistics CFS, Panvel
- Navkar Corporation Yrd 1 CFS, Panvel
- Navkar Corporation Yard 2 CFS, Panvel
- Navkar Corporation Yard 3 CFS, Panvel

Cluster 7
(Patilpada area, Khopate JNPT road**)**

- All Cargo Logistics CFS, Navi Mumbai
- Transindia Logistics Park, Navi Mumbai
- Ameya Logistics CFS, Navi Mumbai
- Continental Warehousing CFS, Navi Mumbai

Cluster 8
SBW

List of CFS name used in CFS Performance Index

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

THANK YOU