Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	43.2	43.0
NSICT	35.1	24.4
GTI	21.9	19.6
NSIGT	34.5	24.8
BMCT/PSA	30.1	22.2

Export Cycle		
Port	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	71.9	73.5
NSICT	79.1	64.9
GTI	76.8	79.8
NSIGT	95.9	97.4
BMCT/PSA	71.4	78.1

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Container handling performance for Import Cycle 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
Apr'22	23.2 hrs	78.7 hrs	86.8 hrs	121.2 hrs
Mar'22	29.0 hrs	79.5 hrs	87.3 hrs	120.1 hrs

20% 1% 1% 1%

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall	28.3	24.4
Truck	21.9	20.0
Train	70.6	60.4

EXPORT

Mode	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall	98.1	95.2
Truck	89.1	87.1
Train	153.0	146.7

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 Mar'22

The marked entries showcase Decrease in performance in comparison to Mar'22

Entity	Mar'22 (in hrs)	Apr'22 (in hrs)
CFS	85.9	87.3
ICD	120.1	121.2

Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index – Apr'22

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High | Container Volume

- GTI
- BMCT
- MICT
- AICT

Dwell Time

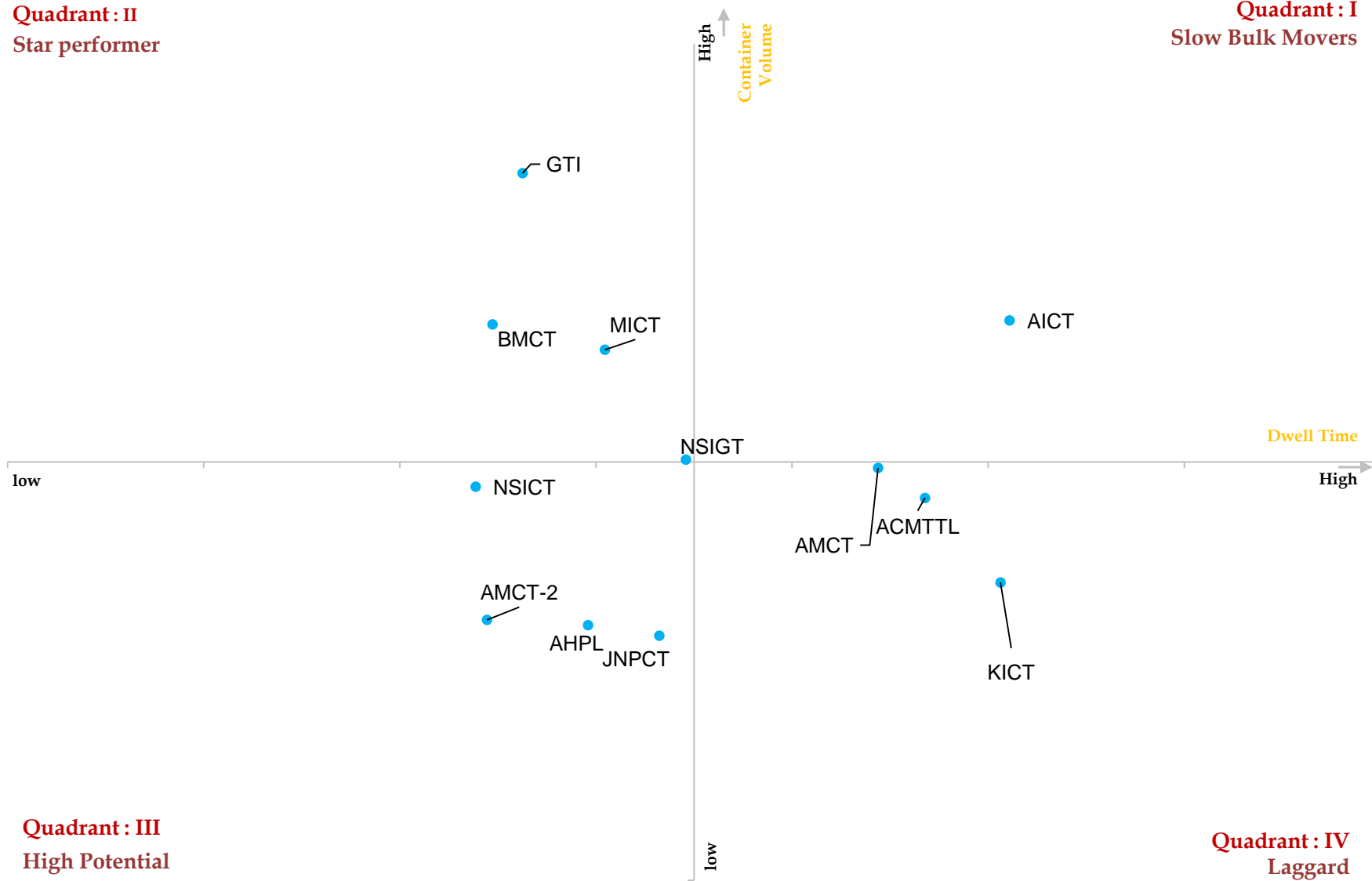NSIGT

low

High

- NSICT
- AMCT
- ACMTTL
- AMCT-2
- AHPL
- JNPCT
- KICT

low

Quadrant : III
High Potential

Quadrant : IV
Laggard

Performance benchmarking for Port Terminals covered under LDB project for Apr'22

Top Performing Terminal	
Gateway Terminals India (GTI)	
Mar'22	Apr'22
49.2 Hrs	45.6 Hrs

Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Mar'22	Apr'22
97.9 Hrs	84.3 Hrs

Note: The performance benchmarking is based on performance index

The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Mar'22

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
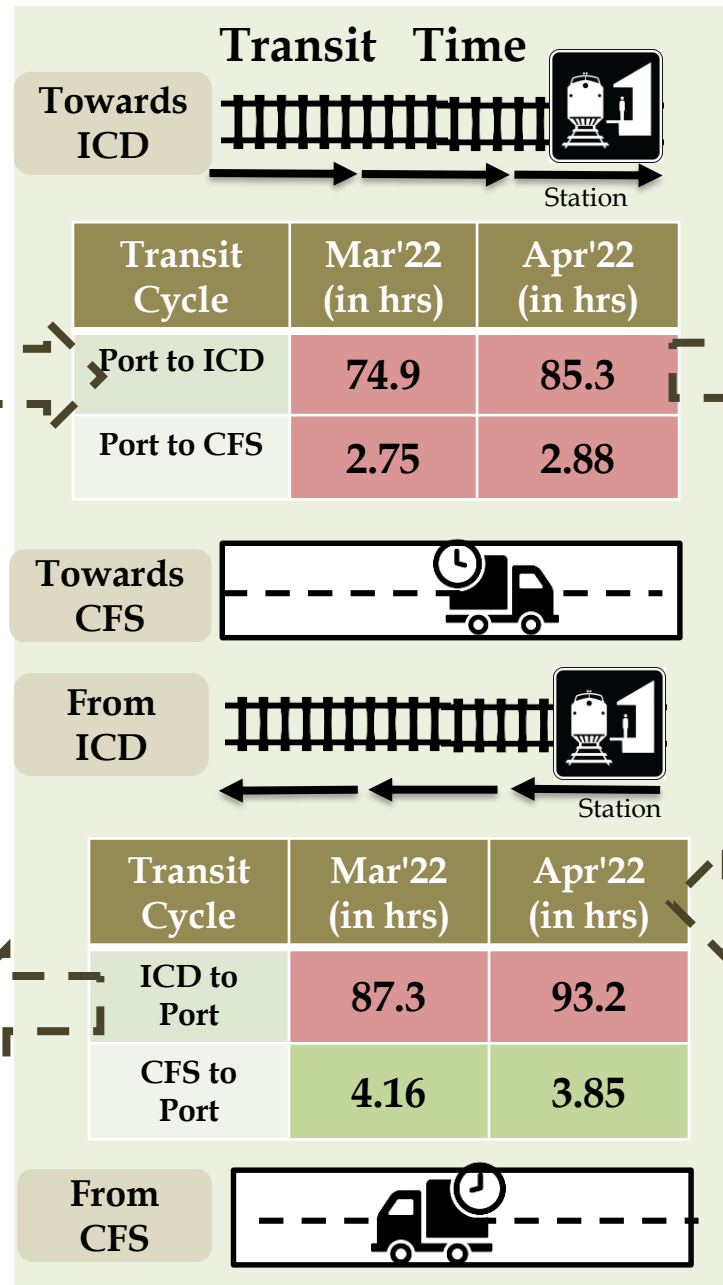
Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle) →

Port Dwell Time

IMPORT

Mode	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall	29.0	23.2
Truck	24.1	20.2
Train	73.9	60.2

EXPORT

Mode	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall	79.5	78.7
Truck	75.9	75.1
Train	113.3	114.8

Transit Time

Towards ICD — Station

Transit Cycle	Mar'22 (in hrs)	Apr'22 (in hrs)
Port to ICD	74.9	85.3
Port to CFS	2.75	2.88

Towards CFS

From ICD — Station

Transit Cycle	Mar'22 (in hrs)	Apr'22 (in hrs)
ICD to Port	87.3	93.2
CFS to Port	4.16	3.85

From CFS

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

ICD   CFS

Entity	Mar'22 (in hrs)	Apr'22 (in hrs)
CFS	87.3	86.8
ICD	120.1	121.2

Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	83%	17%
Export	82%	18%

The marked entries showcase the increase in performance as compared to Mar'22

The marked entries showcase the decrease in performance as compared to Mar'22

Container Lifecycle (Export Cycle) ←

Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Apr'22 – in hrs)			Compared to Mar'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	23.2	20%	⬆
	Port Dwell Time for Truck Bound Containers	20.2	16%	⬆
	Port Dwell time for Train Bound Containers	60.2	19%	⬆
	Port Dwell time Direct Port Delivery (DPD) containers	34.1	4%	⬇
	Port Dwell time Containers bound for CFS	17.5	20%	⬆
	Port Dwell for Empty Containers	28.6	42%	⬆
	Port Dwell for Laden Containers	21.5	8%	⬆
TRANSIT TIME	Port to ICD	85.3	14%	⬇
	Port to CFS	2.88	5%	⬇

EXPORT CYCLE DWELL TIME (Apr'22– in hrs)			Compared to Mar'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	78.7	1%	⬆
	Port Dwell Time for Truck Bound Containers	75.1	1%	⬆
	Port Dwell time for Train Bound Containers	114.8	1%	⬇
	Port Dwell time Direct Port Entry (DPE) containers	78.4	6%	⬆
	Port Dwell time Containers bound from CFS	72.0	2%	⬇
	Port Dwell for Empty Containers	68.6	4%	⬇
	Port Dwell for Laden Containers	80.5	1%	⬆
TRANSIT TIME	ICD to Port	93.2	7%	⬇
	CFS to Port	3.85	7%	⬆

⬆⬇ The arrows depict increase/decrease in performance of the stakeholders in comparison to Mar'22

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	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall Parking Plaza	6.20	5.30

Container Handled: Day wise (Apr'22)

Parking Plaza	Within 6 hrs	Within 6 – 24 hrs	More than 24 hrs
JNPT Central Parking Plaza	57%	39%	4%
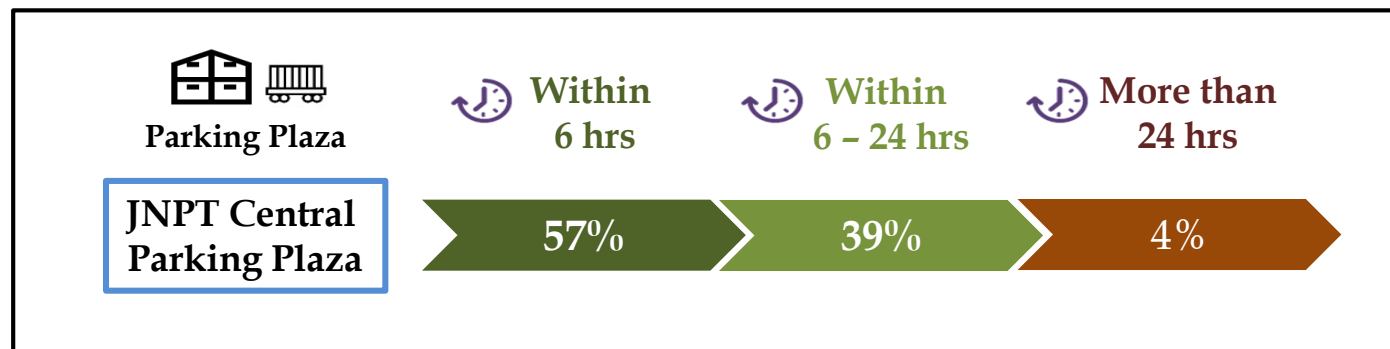
Parking Plaza Gate Out – Terminal In

Mode	Mar'22 (in hrs)	Apr'22 (in hrs)
Overall Parking Plaza to JNPT Port	1.87	1.45

Port	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	1.9	0.5
NSICT	1.9	0.8
GTI	1.8	1.5
NSIGT	1.7	0.9
BMCT	2.1	3.8

Container Handled: Day wise (Apr'22)

Port Terminals	Within 6 hrs	Within 6 – 24 hrs	More than 24 hrs
JNPCT	97%	3%	0%
NSICT	97%	3%	0%
GTI	97%	3%	0%
NSIGT	98%	2%	0%
BMCT	76%	24%	0%

CFS/ICD Performance Benchmarking & Performance Index - Western Corridor

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined
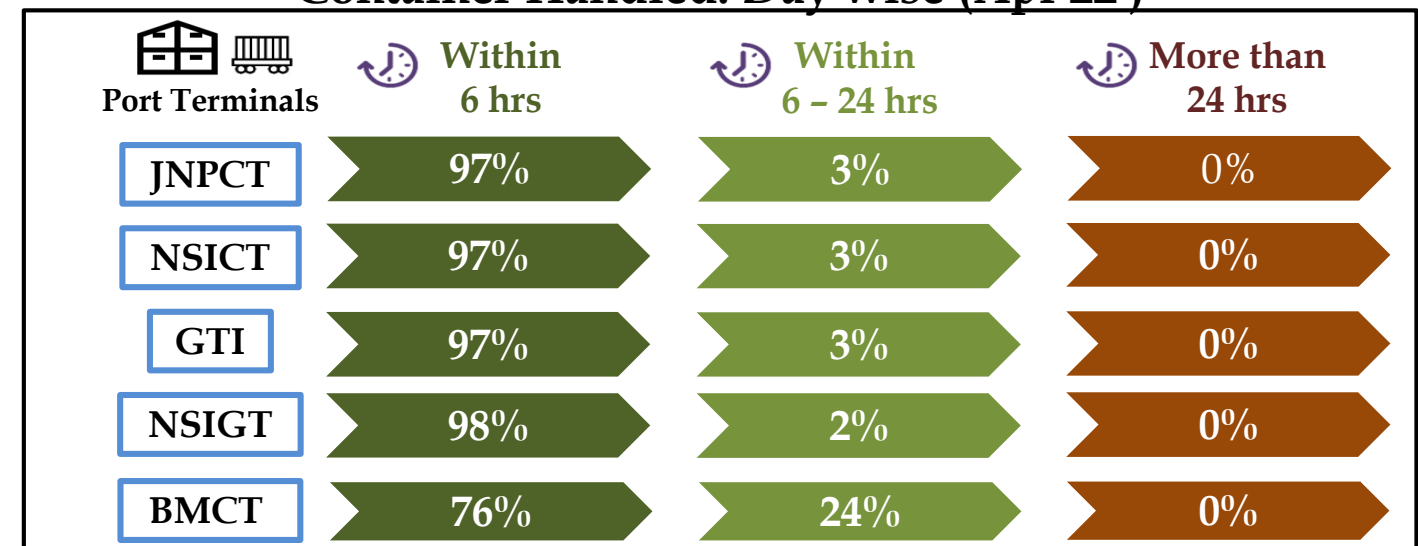
CFS | **Performance Benchmarking** | **ICD**

Top Performing CFS	
Adani CFS Eximyard, Mundra	
Mar'22	Apr'22 ⬇
64.6 hrs	82.4 hrs

Top Performing ICD	
Navkar ICD, Tumb	
Mar'22	Apr'22 ⬇
112.7 hrs	125.7 hrs

Low Performing CFS	
LCL Logistix CFS, Pipavav	
Mar'22	Apr'22 ⬇
101.1 hrs	103.8 hrs

Low Performing ICD	
Adani Logistics Park ICD, Gurgaon	
Mar'22	Apr'22 ⬇
120.9 hrs	140.5 hrs

Note: The performance benchmarking is based on performance index
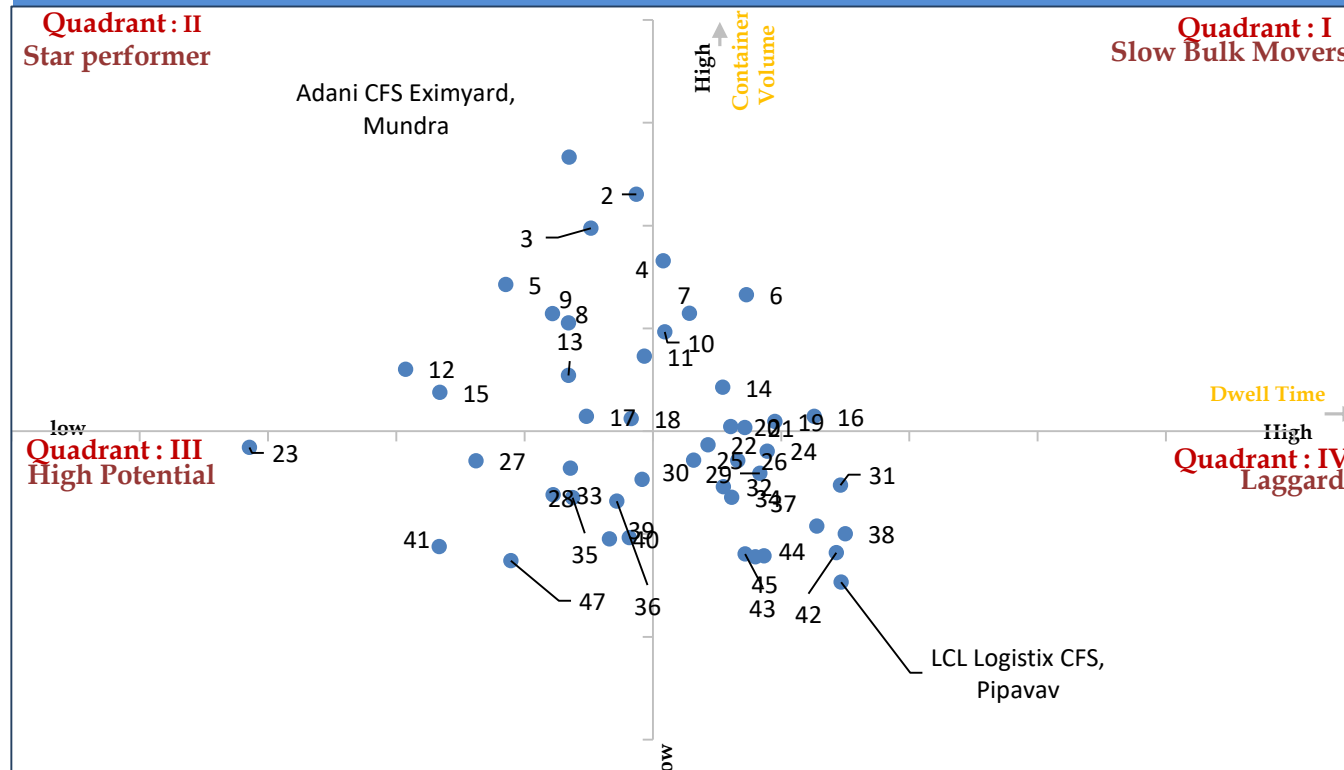⬆⬇ The arrows depict increase/decrease in overall performance of the stakeholders as compared to Mar'22

Performance Index: Western Corridor CFS

Performance Index: ICD
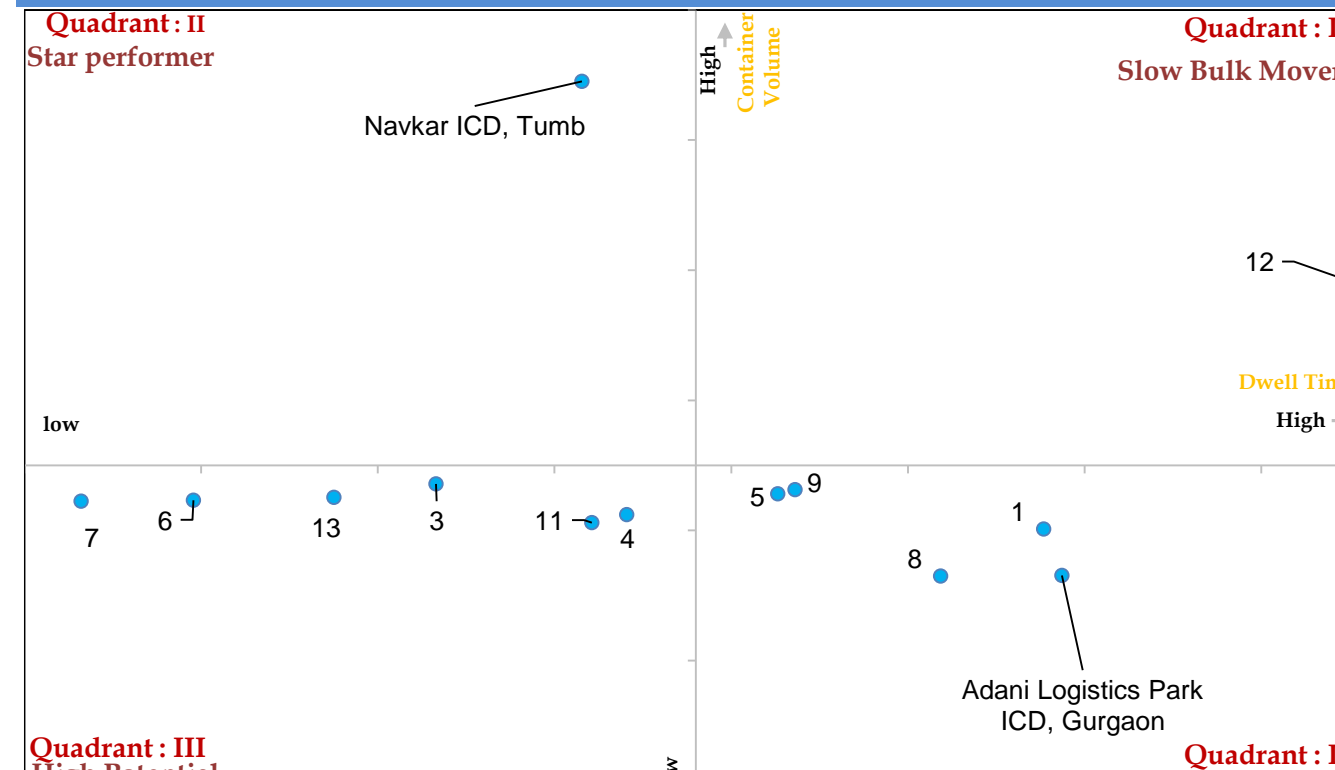
Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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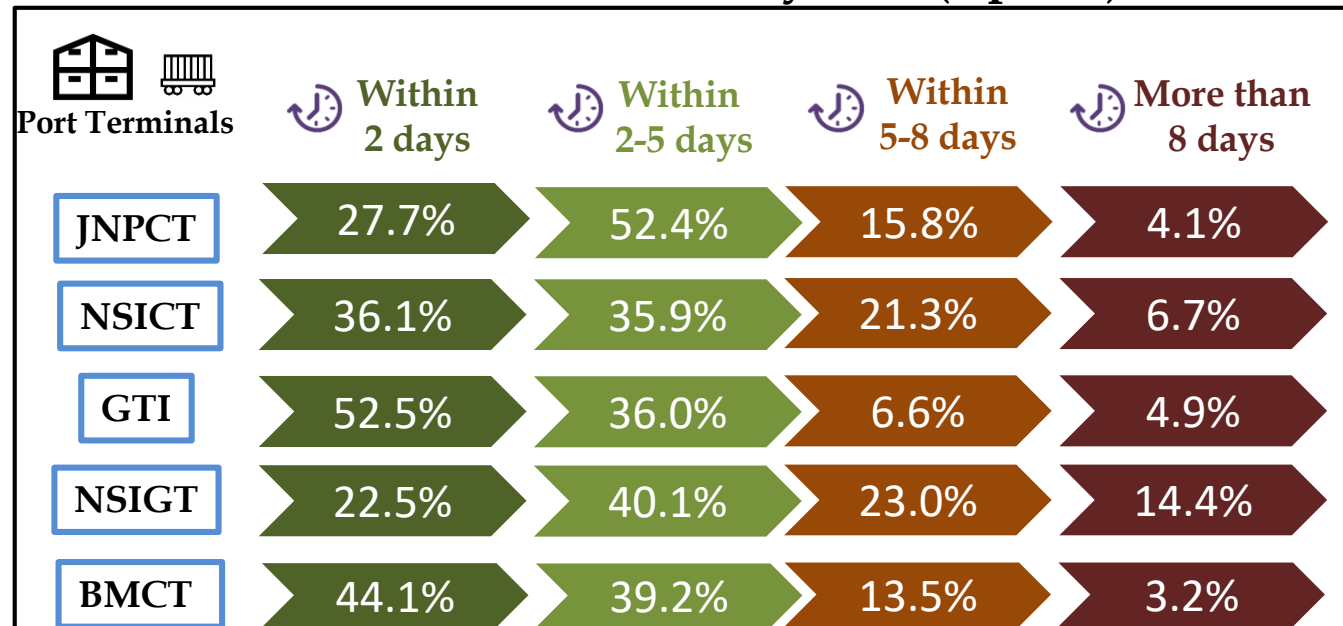
PORT IMPORT via TRAIN
(17% of total import volume at JNPT Port)

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	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	93.5	61.4
NSICT	90.5	69.7
GTI	48.3	46.1
NSIGT	86.3	85.6
BMCT	80.4	54.9

Container Handled: Day wise (Apr'22)

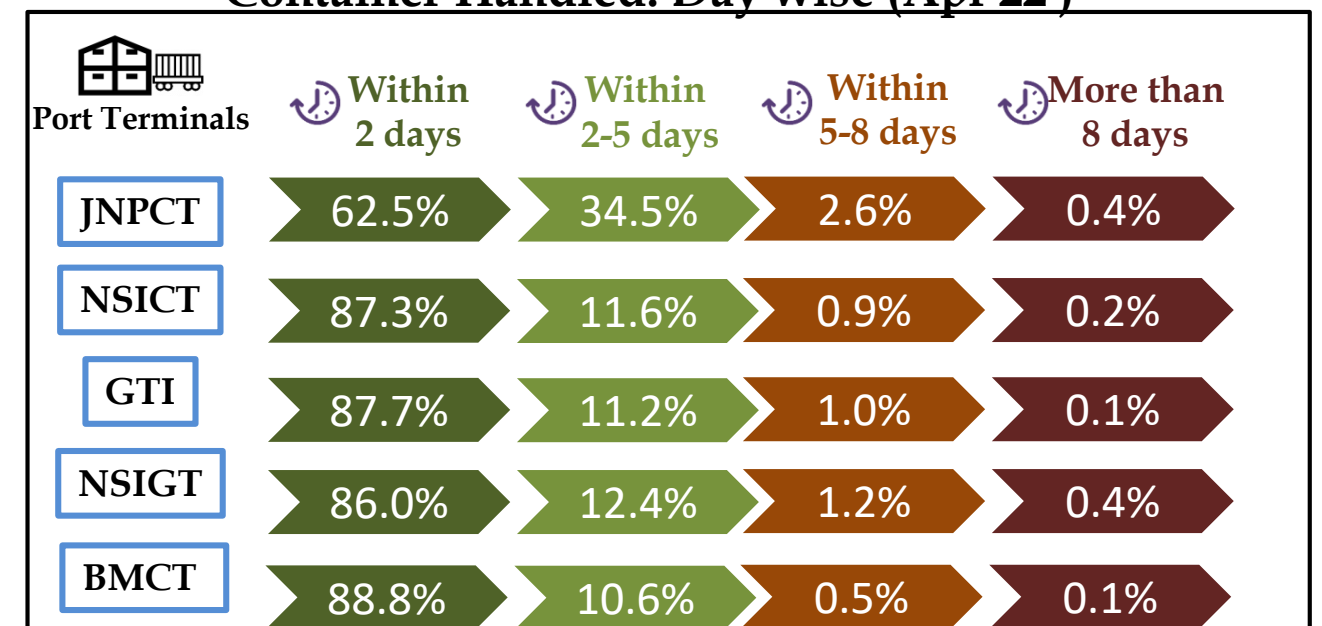| Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	27.7%	52.4%	15.8%	4.1%
NSICT	36.1%	35.9%	21.3%	6.7%
GTI	52.5%	36.0%	6.6%	4.9%
NSIGT	22.5%	40.1%	23.0%	14.4%
BMCT	44.1%	39.2%	13.5%	3.2%

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	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	44.2	40.5
NSICT	28.6	21.8
GTI	18.8	17.5
NSIGT	27.7	19.4
BMCT	25.2	19.9

Container Handled: Day wise (Apr'22)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	62.5%	34.5%	2.6%	0.4%
NSICT	87.3%	11.6%	0.9%	0.2%
GTI	87.7%	11.2%	1.0%	0.1%
NSIGT	86.0%	12.4%	1.2%	0.4%
BMCT	88.8%	10.6%	0.5%	0.1%

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPT region port performance in the month of Apr'22

JNPCT

Port Dwell time based on transit type

Apr'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	37.5 hrs	39.4 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	40.8 hrs	51.3 hrs

GTI

Port Dwell time based on transit type

Apr'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.2 hrs	14.9 hrs

Port Dwell time based on transit type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	17.8 hrs	27.0 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPT region port performance in the month of Apr'22

NSICT

Port Dwell time based on transit type

Apr'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	56.6 hrs	18.9 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	24.2 hrs	24.9 hrs

NSIGT

Port Dwell time based on transit type

Apr'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	58.0 hrs	17.5 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	22.9 hrs	30.8 hrs

BMCT

Port Dwell time based on transit type

Apr'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	27.1 hrs	17.0 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	20.7 hrs	27.4 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of Apr'22
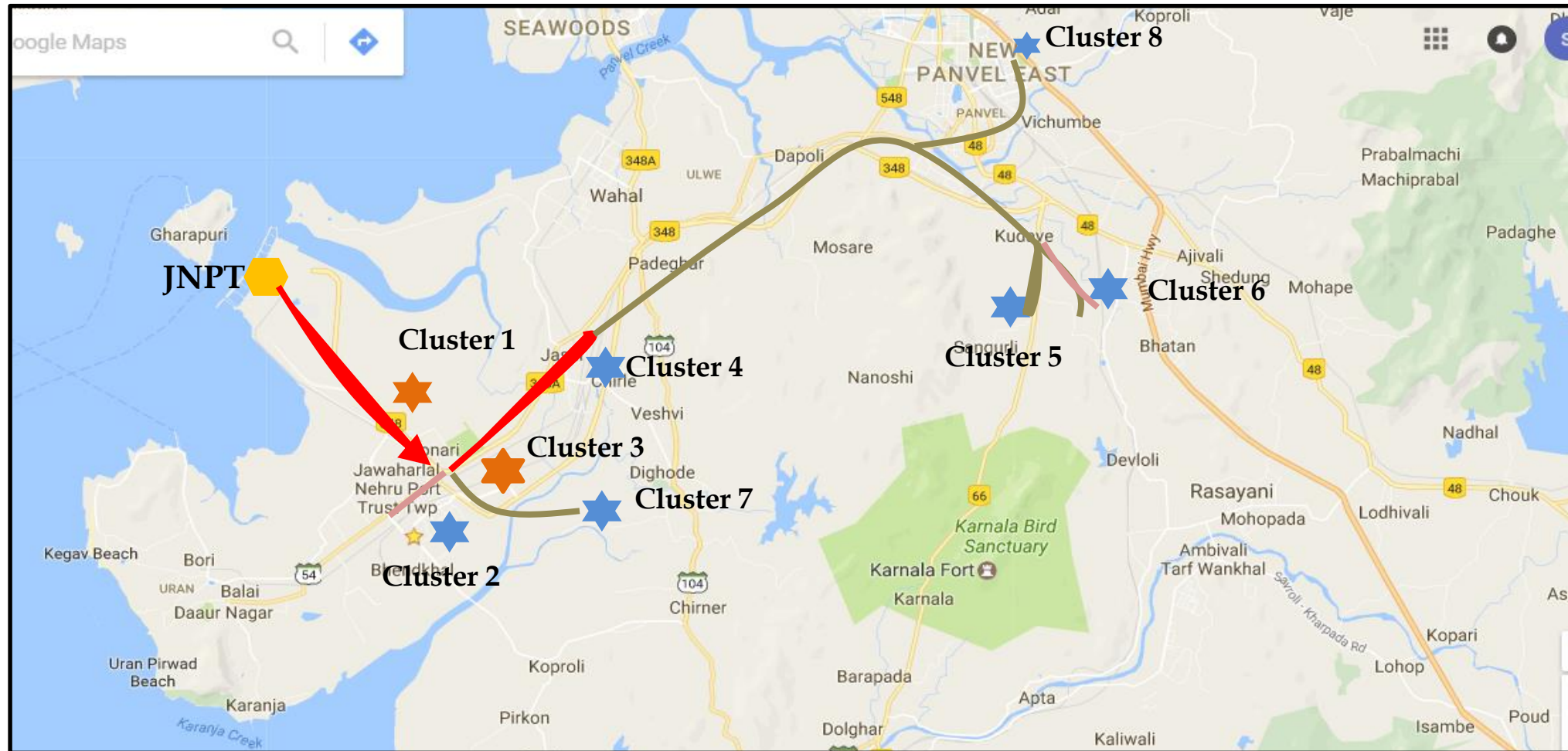
Clusters with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 3	Sonari area,JNPT road

Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, Khopate 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
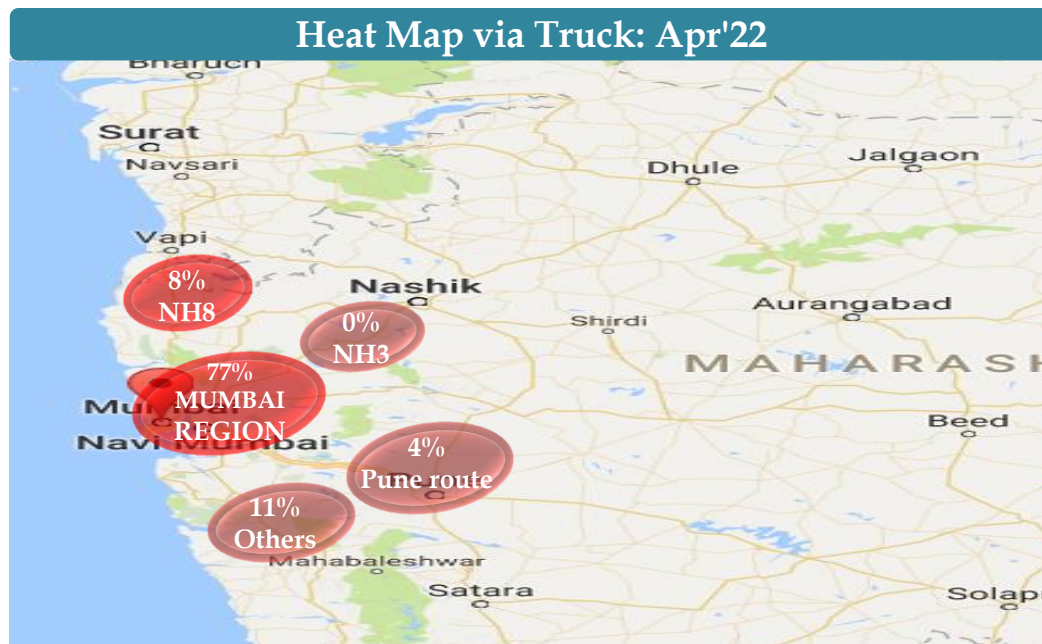2) Analysis consist of CFS covered under LDB project

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Apr'22
Mumbai region	77%
NH3	0%
Pune	4%
NH8	8%
others	11%

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

Heat Map via Truck: Apr'22

Train
VOLUME WISE CONTAINER MOVEMENT

Region	Apr'22
Vadodra Route	31%
Ratlam Route	22%
Wardha Route	17%
Kota Route	15%
Bhopal Route	15%

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

Container movement via Rail – Apr'22

Western Corridor Toll Plaza Analysis
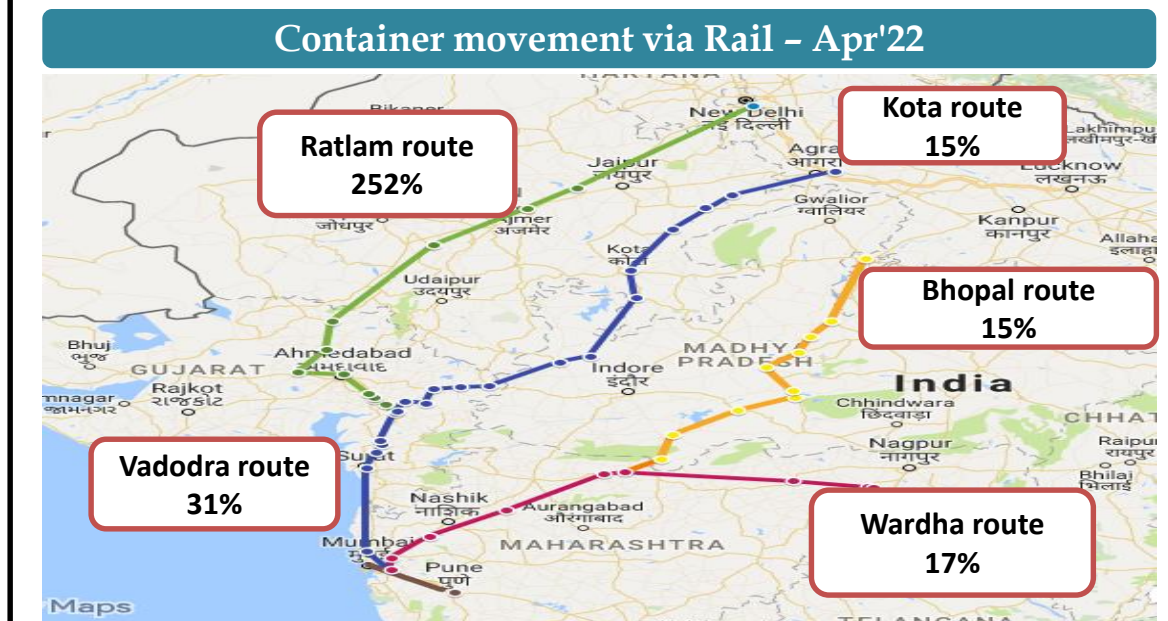
Avg. Speed between Toll to Toll Plazas					
	Source	Destination Toll Plaza	Inter Distance (Km)	Mar'22 (in km/hrs)	Apr'22 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.2	14.5
	JNPT	Khalapur	60	9.2	12.0
	Khaniwade	Charoti	50	37.9	37.7
	Charoti	Boriach	126	28.9	28.3
	Boriach	Bharthan	142	33.6	31.5
	Bharthan	Vasad	60	38.2	38.6
	Khalalpur	Khedshivpur	105	33.9	33.2
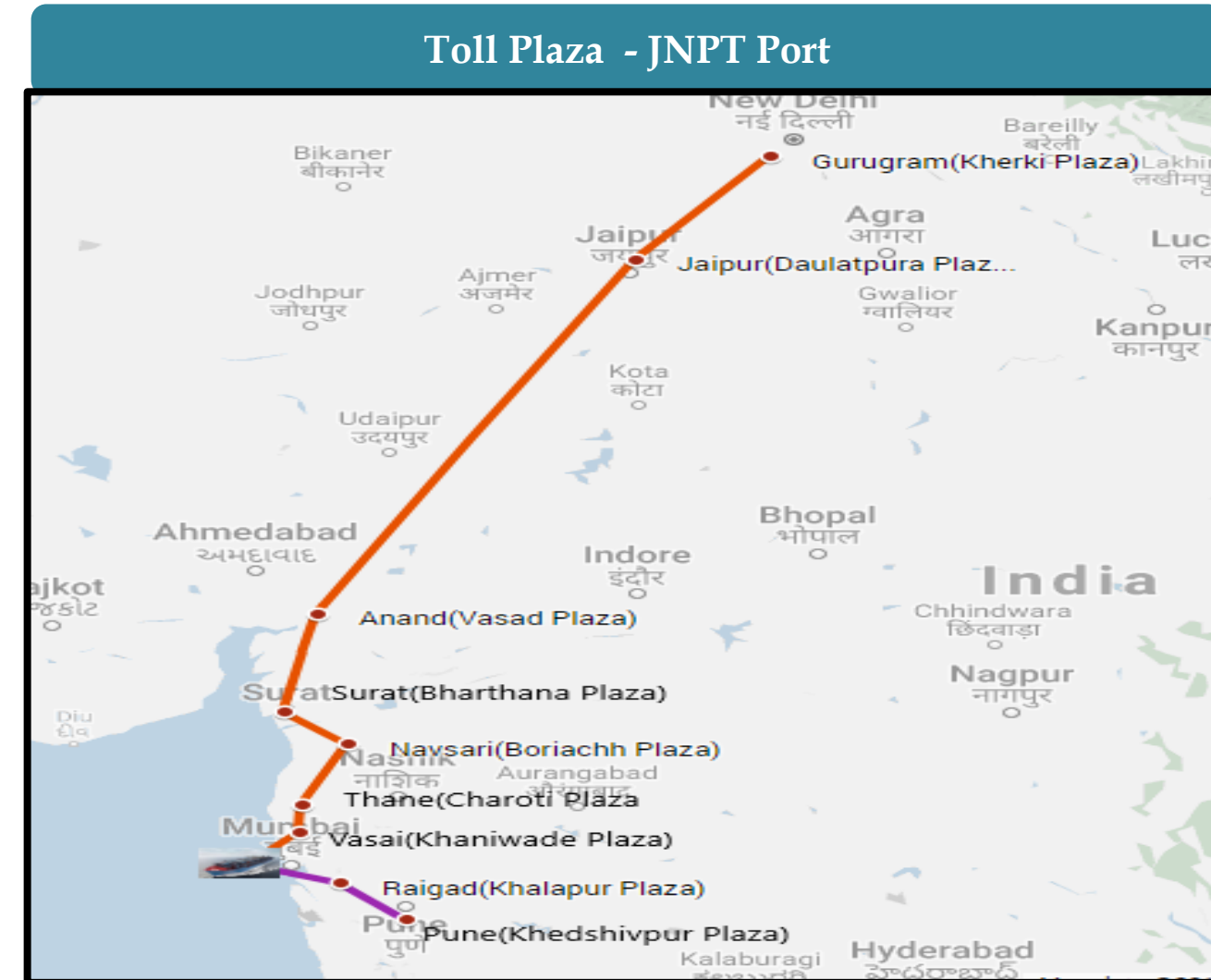
Toll Plaza - JNPT Port

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
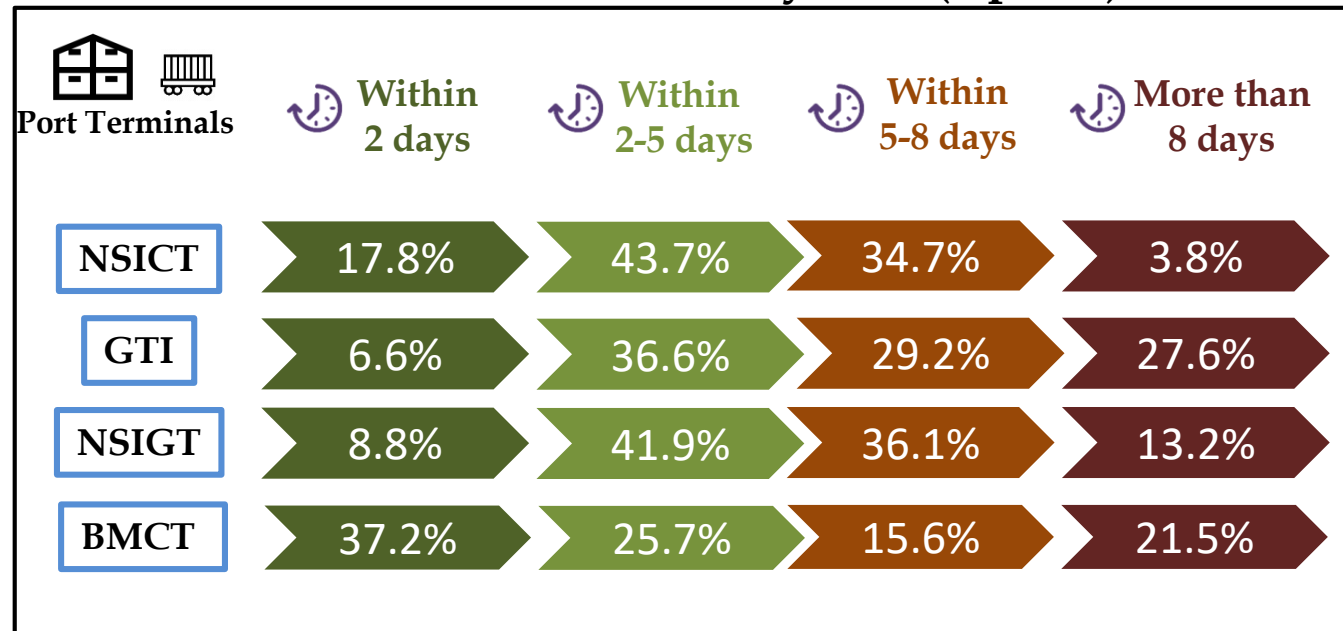
PORT EXPORT via TRAIN
(22% of total export volume at JNPT Port)

The Port Dwell time data for train bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	Mar'22 (in hrs)	Apr'22 (in hrs)
NSICT	116.6	100..1
GTI	130.5	137.2
NSIGT	130.3	119.1
BMCT	81.5	81.1

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

Container Handled: Day wise (Apr'22)

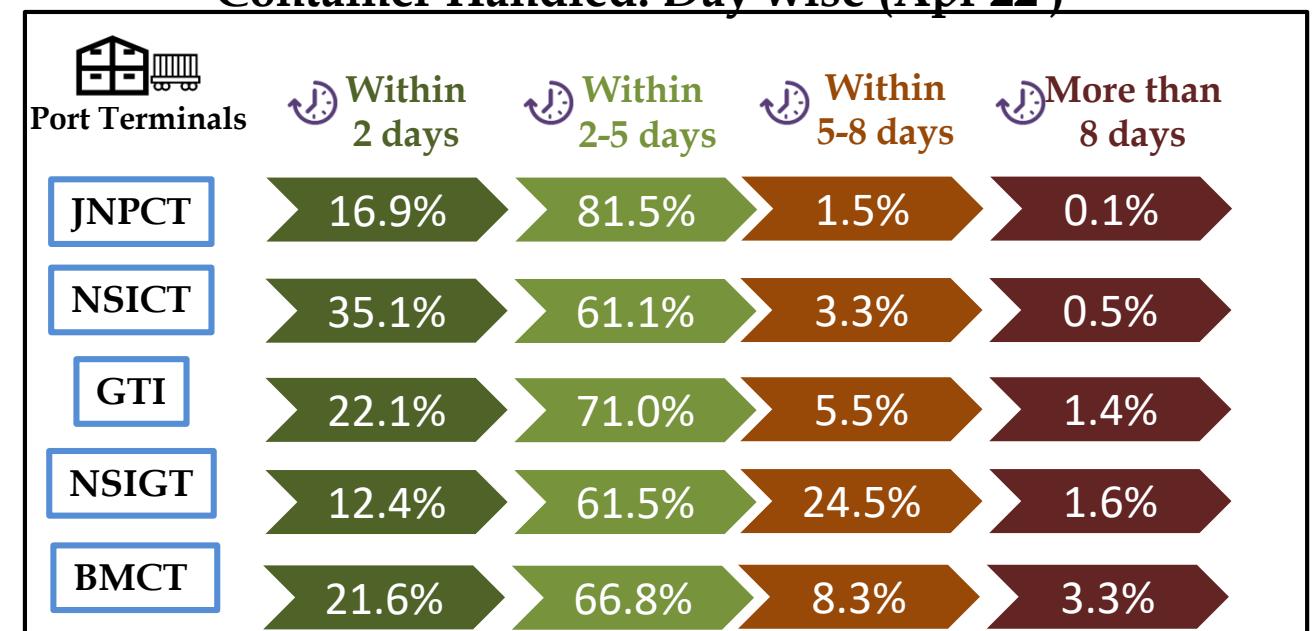| Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
NSICT	17.8%	43.7%	34.7%	3.8%
GTI	6.6%	36.6%	29.2%	27.6%
NSIGT	8.8%	41.9%	36.1%	13.2%
BMCT	37.2%	25.7%	15.6%	21.5%

PORT EXPORT via TRUCK
(78% of total export volume at JNPT Port)

The Port Dwell time data for Truck bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	Mar'22 (in hrs)	Apr'22 (in hrs)
JNPCT	70.9	72.7
NSICT	76.9	62.6
GTI	71.5	73.2
NSIGT	92.8	94.6
BMCT	69.6	77.5

Container Handled: Day wise (Apr'22)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	16.9%	81.5%	1.5%	0.1%
NSICT	35.1%	61.1%	3.3%	0.5%
GTI	22.1%	71.0%	5.5%	1.4%
NSIGT	12.4%	61.5%	24.5%	1.6%
BMCT	21.6%	66.8%	8.3%	3.3%

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 Apr'22

JNPCT

Port Dwell time based on transit type

Apr'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	72.2 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	71.6 hrs	78.2 hrs

GTI

Port Dwell time based on transit type

Apr'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	75.6 hrs	71.9 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	81.8 hrs	71.4 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 Apr'22

NSICT

Port Dwell time based on transit type

Apr'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	69.1 hrs	57.2 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	65.3 hrs	57.6 hrs

NSIGT

Port Dwell time based on transit type

Apr'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	97.6 hrs	90.9 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	98.4 hrs	50.6 hrs

BMCT

Port Dwell time based on transit type

Apr'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	72.2 hrs

Port Dwell time based on container type

Apr'22	Laden Containers	Empty Containers
Dwell time (in hrs)	80.7 hrs	66.1 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of Apr'22
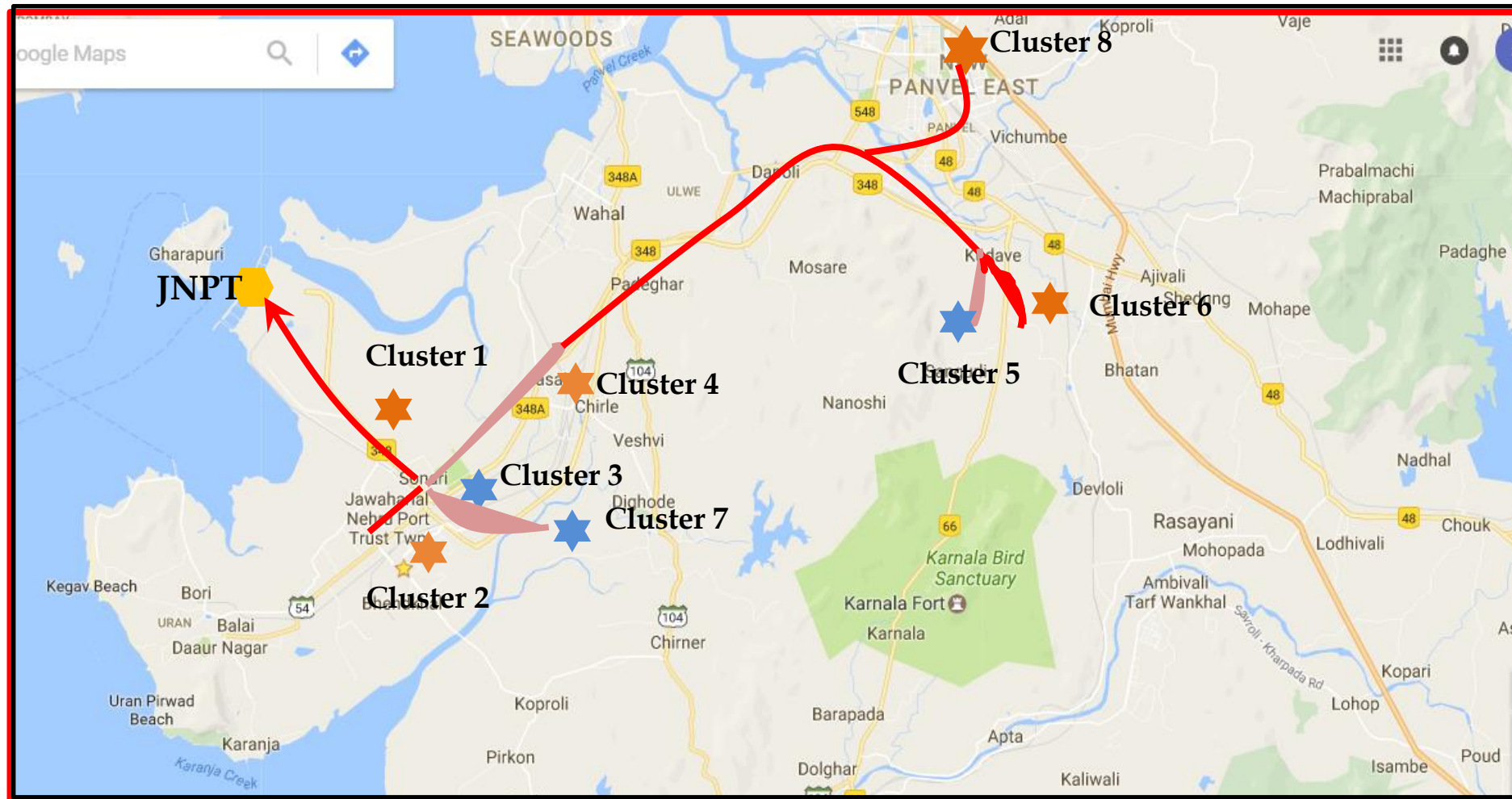
Clusters with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 2	Bhendkhal area, khopate road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 8	Taloja, Navi Mumbai

Clusters without bottleneck	
CLUSTER 3	Sonari area, jnpt road
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 Port	
Route	**Percentage of Container Movement**
Vadodra Route	32%
Ratlam Route	24%
Wardha Route	17%
Kota Route	17%
Bhopal Route	10%

The map shows the volume wise container movement through different railway routes in export cycle for Apr'22

Container movement via Rail – Apr'22

CFS and ICD Performance
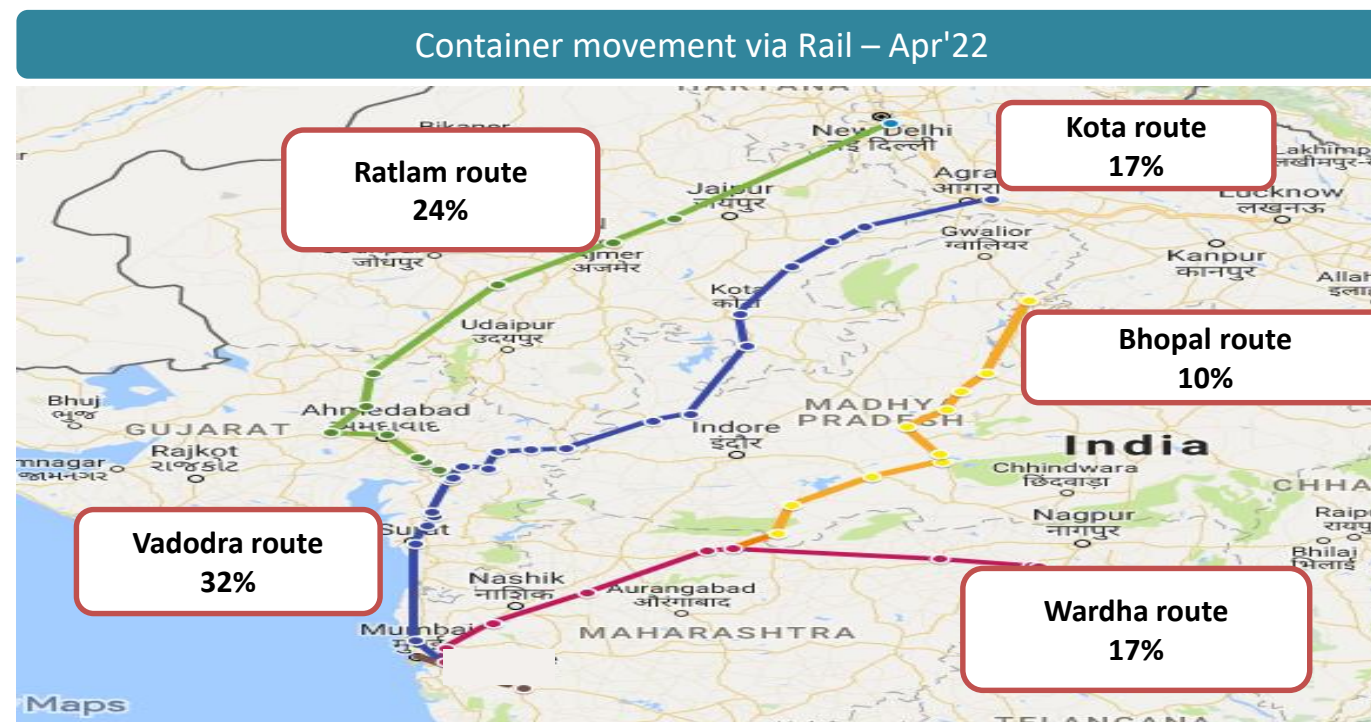
CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of Apr'22

CFS Dwell Time (in hrs.)

CFS	Mar'22 (in hrs)	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	90.5	87.7
Ameya Logistics CFS, Navi Mumbai	94.1	89.8
Continental Warehousing CFS, Navi Mumbai	76.8	77.4
Navkar Corporation Yard 3 CFS, Panvel	85.3	96.4
Speedy Multimode CFS, JNPT	84.1	91.9
JWC Logistics Park CFS	82.0	81.1
AllCargo Logistics	82.3	82.3
International Cargo Terminal CFS	79.0	89.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	70.1	69.5
Seabird CFS, Navi Mumbai	84.2	82.3
Sarveshwar CFS	103.5	98.6
Ashte Logistics CFS, Panvel	88.0	96.2
Apollo Logisolutions CFS, Panvel	98.5	92.2
Ocean Gate CFS, Panvel	87.0	95.7

| CFS	Mar'22 (in hrs)	Apr'22 (in hrs)
EFC Logistics India	73.2	75.1
Navkar Corporation Yard 2 CFS, Panvel	92.8	88.1
Take Care Logistics CFS	115.8	103.8
Dronagiri Rail Terminal CFS, Navi Mumbai	88.6	94.5
TG Terminals CFS	93.7	81.2
Vaishno Logistics CFS, Navi Mumbai	104.3	95.2
Maharashtra State Corp CFS	84.4	82.7
Balmer & Lawrie CFS, Navi Mumbai	95.7	86.1
Kerry Indev Logistics Pvt Ltd CFS	83.8	85.6
Punjab Conware CFS, Navi Mumbai	-	72.2
APM (Maersk India) CFS, Navi Mumbai	76.4	96.2
Navkar Corporation Yard 1 CFS, Panvel	95.5	97.7
Maersk Annex (APM)CFS, Navi Mumbai	82.7	77.8

CFS – DWELL OVERVIEW – APR'22 (IN HRS)

Average: 86.8 hrs.
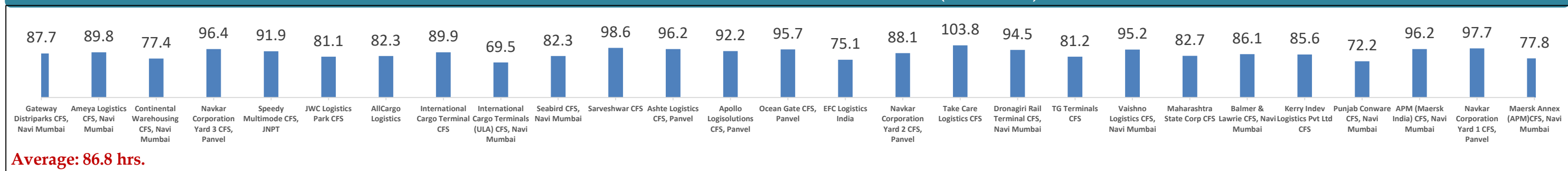
ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Mar'22(in hrs)	Apr'22(in hrs)
ACTL ICD, Faridabad	129.7	139.5
Adani Logistics Park ICD, Gurgaon	120.9	140.5
Albatross Inland Ports ICD, Dadri	117.6	103.6
Allcargo Logistics Park ICD, Dadri	113.4	114.9
APM Terminals ICD, Dadri	130.1	123.8
CMA CGM Logistics Park, Dadri	104.9	89.3
Gateway Rail Freight ICD, Gurgaon	95.9	82.7
GatewayRail Freight ICD, Pyala	168.1	133.4
Hind Terminals Logistics Park ICD, Palwal	140.2	124.8
Continental Warehousing Corporation Nhava Sheva pvt.	93.9	97.6
Navkar ICD, Tumb	112.7	125.7
Pristine ICD Chawapail	118.5	112.8
THE THAR DRY PORT	136.1	157.8

ICD – DWELL OVERVIEW (APR'22)   (In Hrs)

Avg. 121.2 hrs.

© NICDC Logistics Data Services Limited

Trend Analysis
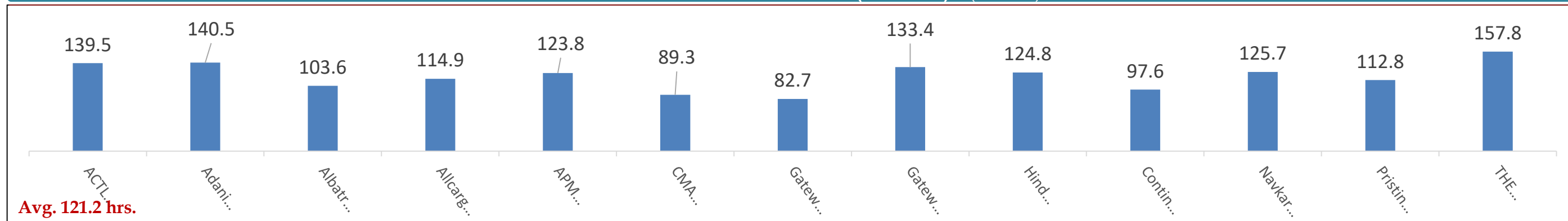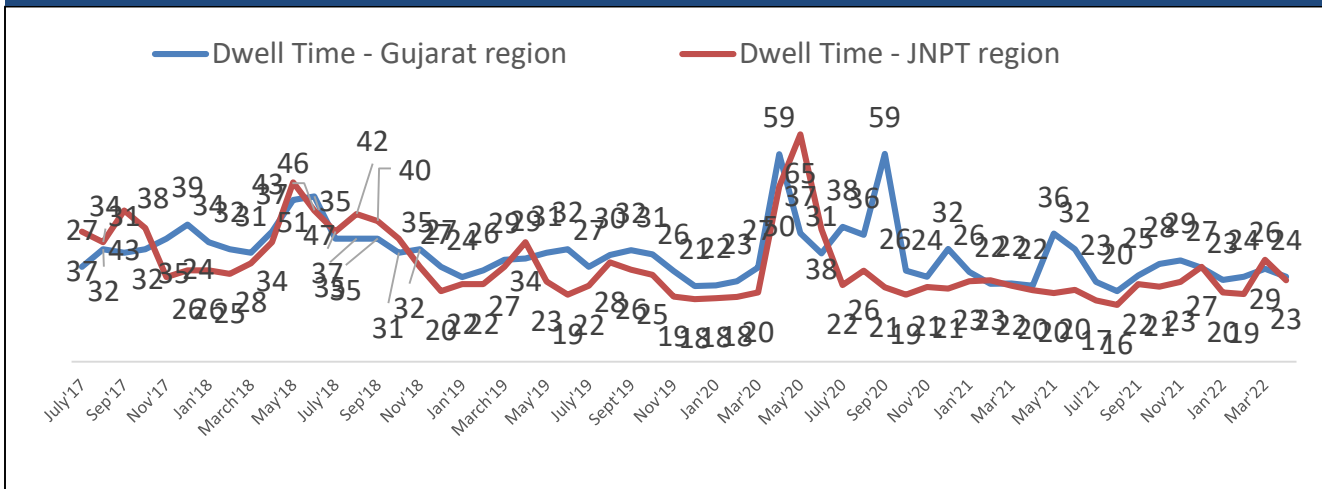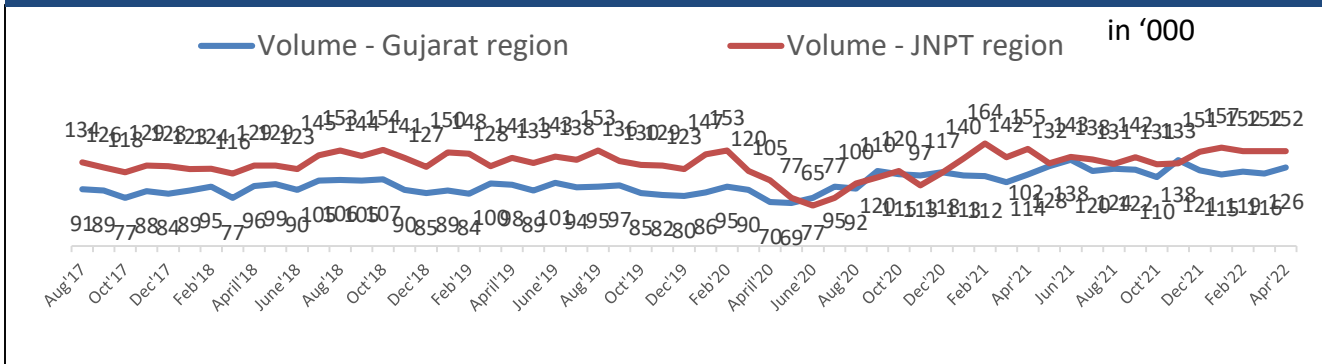
Western Corridor Port – Yearly Analysis

Container Volume and Dwell time of all the terminals in JNPT and Mundra Port has been analysed until Apr'22

Import Cycle

Dwell Time – Mundra Region Vs JNPT Region

Volume – Mundra Region Vs JNPT Region

Export Cycle

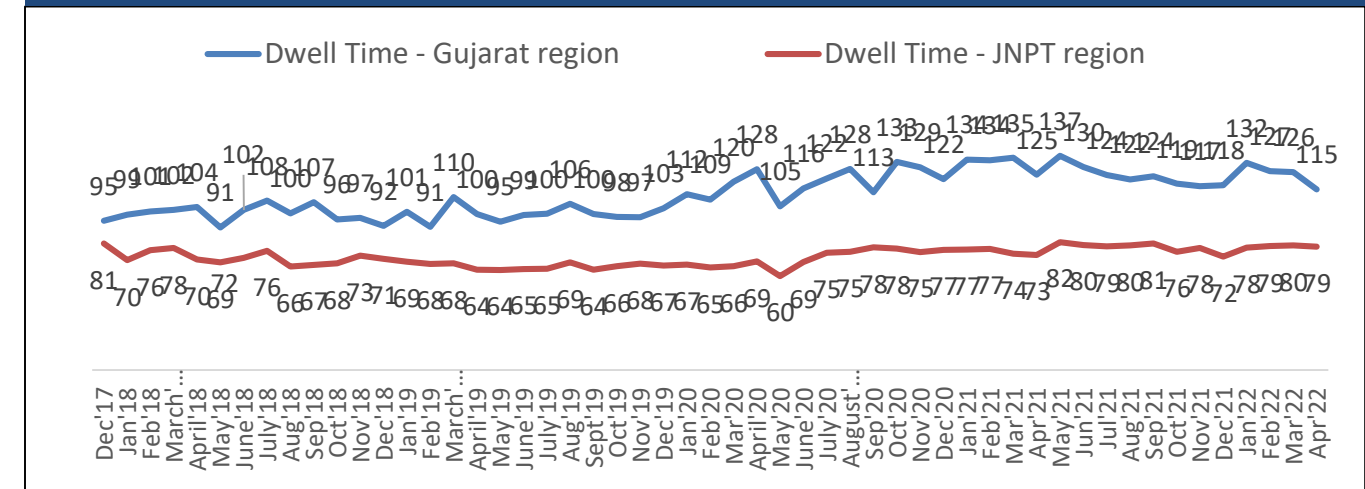### Dwell Time – Mundra Region Vs JNPT Region

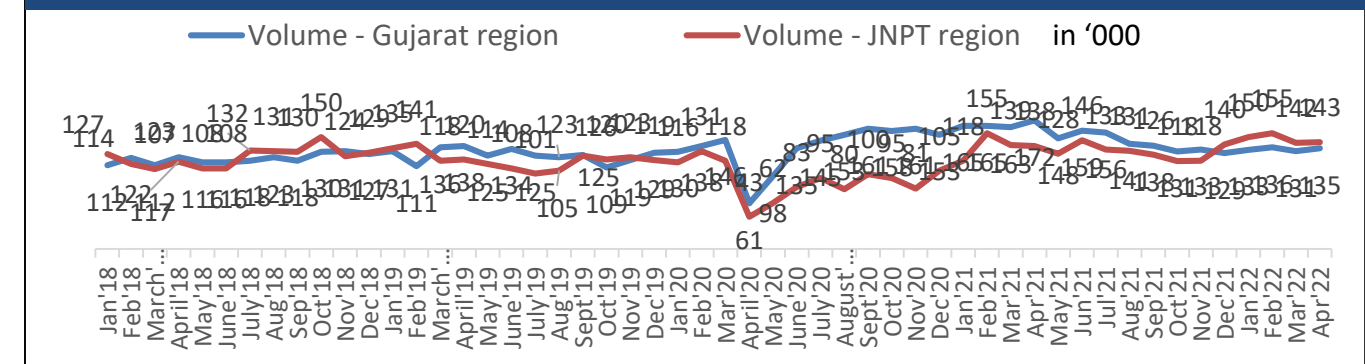### Volume – Mundra Region Vs JNPT Region

In Import cycle, for the month of Apr'22 Mundra port has catered 21% **less volume** than JNPT Port, and has maintained 4% **higher dwell time** than JNPT Port.
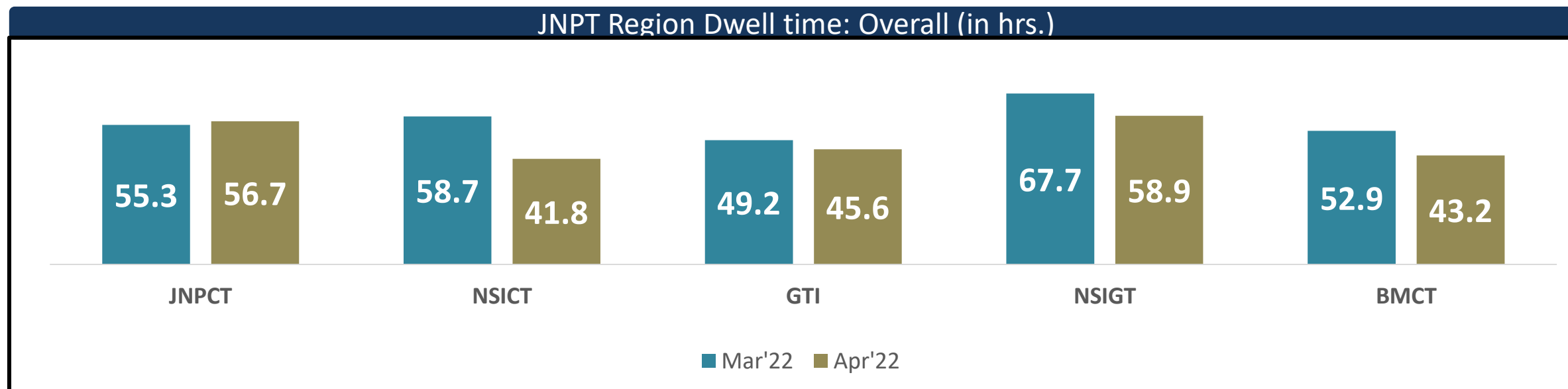
In Export cycle, for the month Apr'22 JNPT port catered **6% more volume** than Mundra Port, and has maintained 32% **lower dwell time** than Mundra Port

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.)

Terminal	Mar'22	Apr'22
JNPCT	55.3	56.7
NSICT	58.7	41.8
GTI	49.2	45.6
NSIGT	67.7	58.9
BMCT	52.9	43.2

■ Mar'22 ■ Apr'22

> The overall JNPT region average dwell time for Apr'22 is **47.2 hrs** as compared to **55.2 hrs** in Mar'22

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Apr'22

🔍 JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Apr'22 is **23.2 hrs.**

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

Terminal	Mar'22	Apr'22
JNPCT	43.2	43.0
NSICT	35.1	24.4
GTI	21.9	19.6
NSIGT	34.5	24.8
BMCT	30.1	22.2
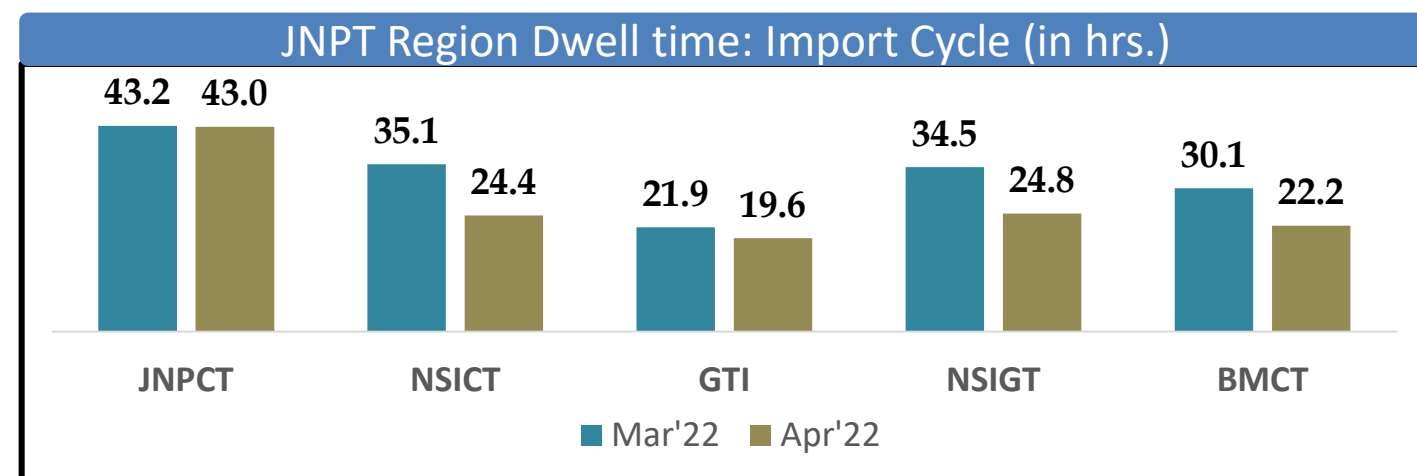
■ Mar'22 ■ Apr'22

🔍 JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for Apr'22 is **78.7 hrs.**

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

Terminal	Mar'22	Apr'22
JNPCT	71.9	73.5
NSICT	79.1	64.9
GTI	76.8	79.8
NSIGT	95.9	97.4
BMCT	71.4	78.1
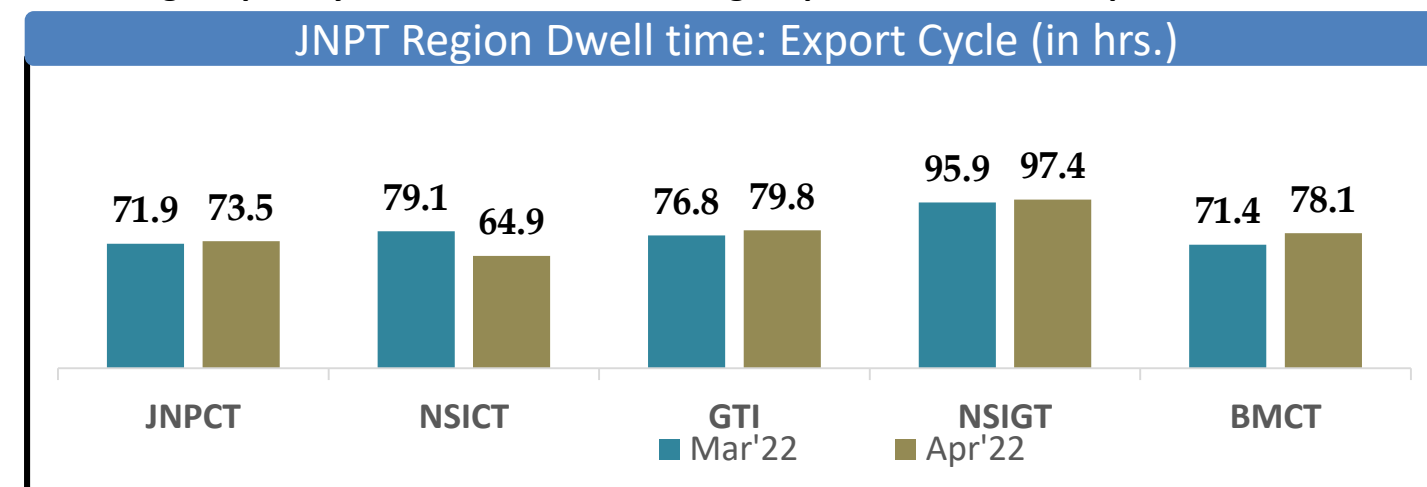
■ Mar'22 ■ Apr'22

ANNEXURE

Container movement around JNPT Port terminal region via Truck

HEAT MAP : GTI Port Terminal
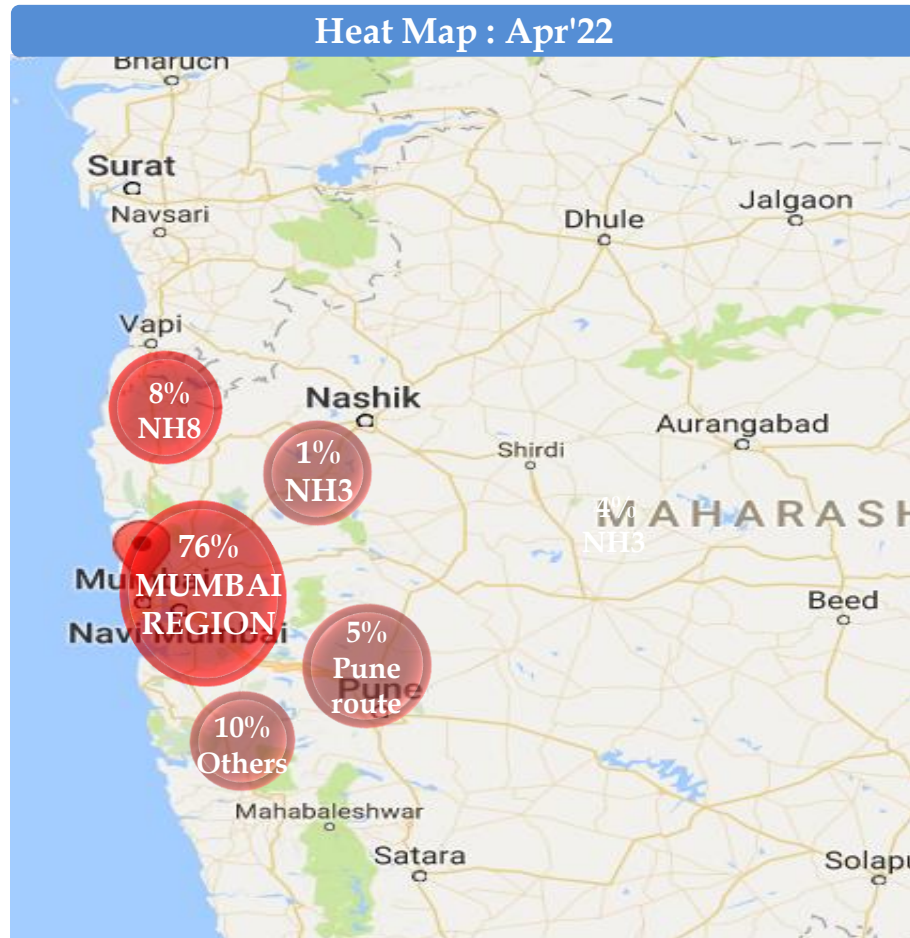
Region	Mar'22	Apr'22
Mumbai region	73%	76%
NH3	0%	1%
Pune	7%	5%
NH8	10%	8%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal
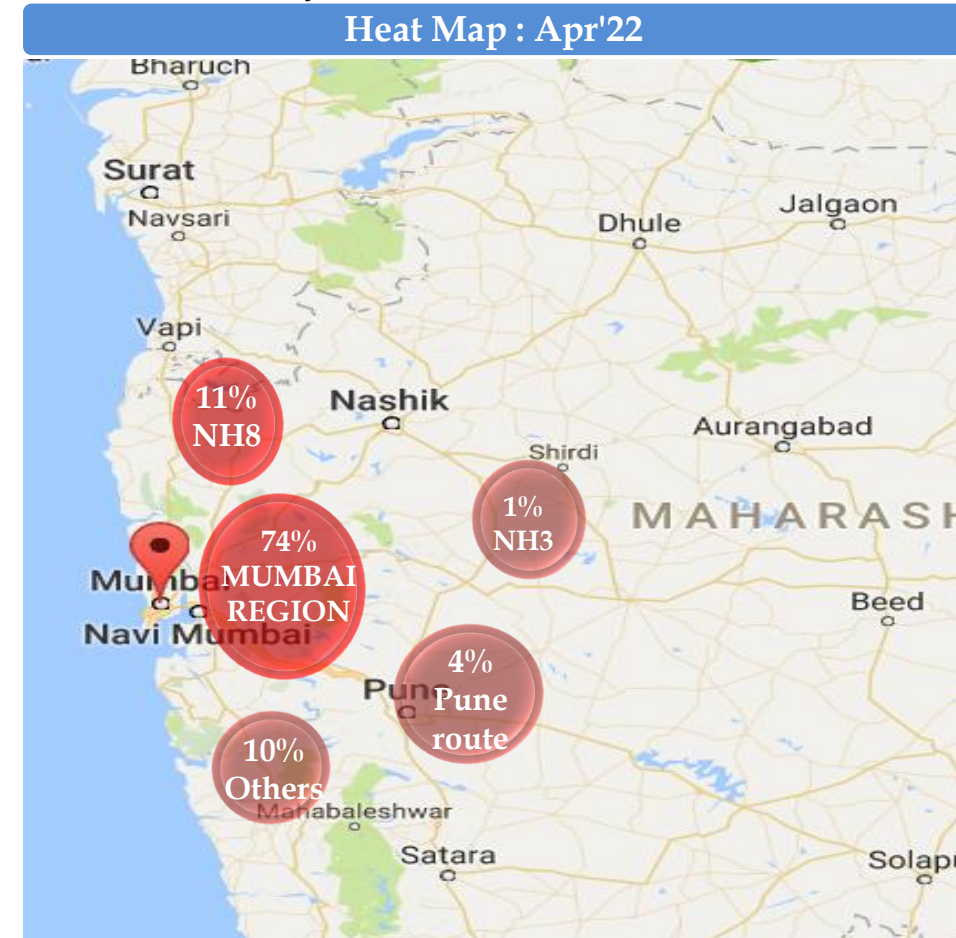
Region	Mar'22	Apr'22
Mumbai region	72%	74%
NH3	0%	1%
Pune	4%	4%
NH8	14%	11%
others	10%	10%

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

Container movement around JNPT Port terminal region via Truck

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

HEAT MAP : NSIGT Port Terminal

Heat Map : Apr'22

Region	Mar'22	Apr'22
Mumbai region	80%	77%
NH3	0%	0%
Pune	3%	4%
NH8	7%	9%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal
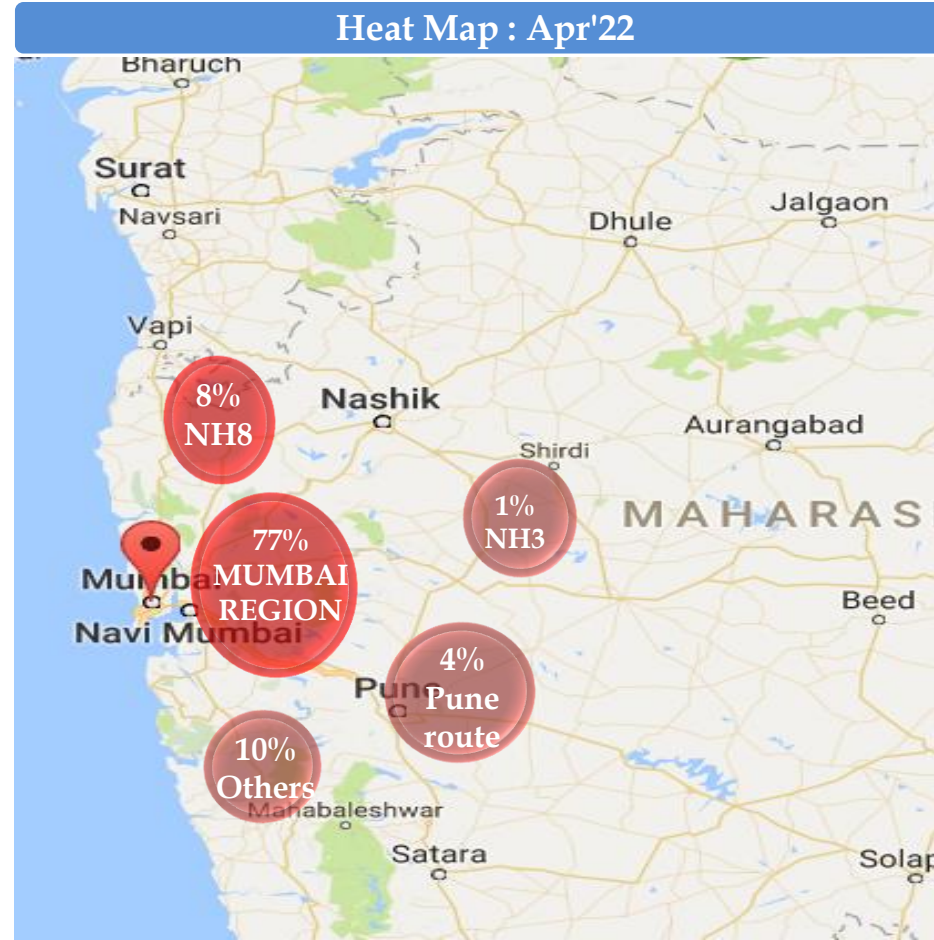
Heat Map : Apr'22

Region	Mar'22	Apr'22
Mumbai region	80%	77%
NH3	0%	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.

HEAT MAP : BMCT Port Terminal
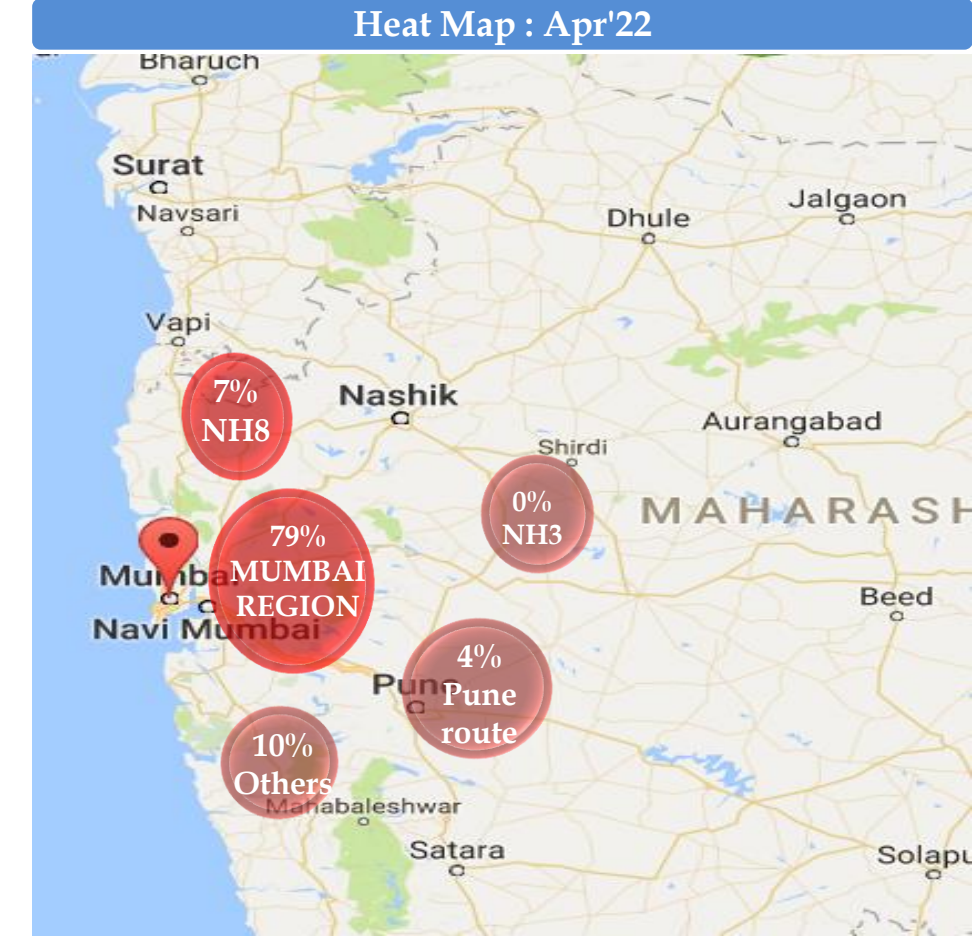
Heat Map : Apr'22

Region	Mar'22	Apr'22
Mumbai region	78%	79%
NH3	0%	0%
Pune	3%	4%
NH8	9%	7%
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 Apr'22					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.8	3.3	2.5	2.0	4.4
Punjab Conware CFS, Navi Mumbai	-	-	-	3.4	3.3
JWC Logistics Park CFS	2.3	3.7	3.3	2.8	5.5
CWC Hind Terminal CFS, Navi Mumbai	1.8	1.8	2.8	2.5	4.6
Dronogiri Rail Terminal CFS, Navi Mumbai	2.0	2.9	2.1	2.5	5.0
Navkar Corporation Yard 2 CFS, Panvel	5.5	7.0	5.2	5.4	9.6
Vaishno Logistics CFS, Navi Mumbai	1.7	3.2	1.9	2.3	4.8
Speedy Multimode CFS, JNPT	1.9	2.9	2.3	1.8	4.5
Balmer & Lawrie CFS, Navi Mumbai	5.6	5.0	2.3	3.0	6.3
Navkar Corporation Yard 3 CFS, Panvel	3.1	5.1	4.4	4.9	6.8
Ashte Logistics CFS, Panvel	2.6	3.6	4.4	2.4	6.7
Continental Warehousing CFS, Navi Mumbai	4.9	3.1	1.4	2.0	3.1
SBW Logistics CFS, Navi Mumbai	15.6	8.6	9.6	4.0	9.2
Maharashtra State Corp CFS	3.1	2.9	2.4	1.9	6.5
Internation Cargo Terminal CFS	1.9	3.2	2.2	2.3	4.9
Seabird CFS, Navi Mumbai	2.0	3.9	3.4	3.2	5.4
Apollo Logisolutions CFS, Panvel	2.5	3.4	2.8	3.1	5.5
Ameya Logistics CFS, Navi Mumbai	2.2	3.4	2.9	2.3	4.8
AllCargo Logistics	2.0	2.7	2.8	2.0	4.4
Ocean Gate CFS, Panvel	3.8	4.5	4.5	2.9	6.8
J M Baxi Ports & Logistics Limited	5.7	3.6	2.3	2.0	5.7
Kerry Indev Logistics Pvt Ltd CFS	2.2	4.2	3.6	3.0	4.6
CWC Dronagiri CFS, Navi Mumbai	-	-	-	-	-
APM (Maersk India) CFS, Navi Mumbai	1.1	2.8	2.0	1.7	6.1

CFS - AVERAGE DELIVERY TIME - GTI TO ALL CFS's IN MUMBAI
Below table shows the average delivery time in import cycle from GTI to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- GTI TO ALL CFS IN MUMBAI	
CFS	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.3
APM (Maersk India) CFS, Navi Mumbai	2.5
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.2
AllCargo Logistics	2.2
Kerry Indev Logistics Pvt Ltd CFS	4.0
Navkar Corporation Yard 3 CFS, Panvel	4.5
Seabird CFS, Navi Mumbai	4.7
Balmer & Lawrie CFS, Navi Mumbai	3.2
Ashte Logistics CFS, Panvel	3.4
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	2.6
Navkar Corporation Yard 1 CFS, Panvel	4.0
J M Baxi Ports & Logistics Limited	2.5
Maersk Annex (APM)CFS, Navi Mumbai	2.7
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	5.4
Navkar Corporation Yard 2 CFS, Panvel	3.9
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	4.1
SBW Logistics CFS, Navi Mumbai	2.8
Ocean Gate CFS, Panvel	3.9
Maharashtra State Corp CFS	2.3

CFS - AVERAGE DELIVERY TIME - JNPCT TO ALL CFS's IN MUMBAI
Below table shows the average delivery time in import cycle from JNPCT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- JNPCT TO ALL CFS IN MUMBAI	
CFS	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.1
AllCargo Logistics	1.9
Kerry Indev Logistics Pvt Ltd CFS	3.9
Navkar Corporation Yard 3 CFS, Panvel	4.9
Seabird CFS, Navi Mumbai	3.1
Balmer & Lawrie CFS, Navi Mumbai	2.1
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	7.6
Navkar Corporation Yard 1 CFS, Panvel	4.4
J M Baxi Ports & Logistics Limited	2.4
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	4.9
Navkar Corporation Yard 2 CFS, Panvel	3.0
Punjab Conware CFS, Navi Mumbai	1.6
Vaishno Logistics CFS, Navi Mumbai	2.0
JWC Logistics Park CFS	3.2
SBW Logistics CFS, Navi Mumbai	2.9
Ocean Gate CFS, Panvel	5.4
Maharashtra State Corp CFS	2.4

CFS DELIVERY TIME ANALYSIS

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

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

AVERAGE DELIVERY TIME (In Hrs)- NSICT TO ALL CFS IN MUMBAI	
CFS	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	2.1
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.1
AllCargo Logistics	2.5
Kerry Indev Logistics Pvt Ltd CFS	3.9
Navkar Corporation Yard 3 CFS, Panvel	6.6
Seabird CFS, Navi Mumbai	2.7
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.3
Continental Warehousing CFS, Navi Mumbai	1.4
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	15.0
Navkar Corporation Yard 1 CFS, Panvel	4.1
J M Baxi Ports & Logistics Limited	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	3.8
Navkar Corporation Yard 2 CFS, Panvel	4.2
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	2.2
JWC Logistics Park CFS	3.4
SBW Logistics CFS, Navi Mumbai	2.5
Ocean Gate CFS, Panvel	4.1
Maharashtra State Corp CFS	1.2

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

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

AVERAGE DELIVERY TIME (In Hrs)- NSIGT TO ALL CFS IN MUMBAI	
CFS	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	2.7
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.0
AllCargo Logistics	2.3
Kerry Indev Logistics Pvt Ltd CFS	3.3
Navkar Corporation Yard 3 CFS, Panvel	4.7
Seabird CFS, Navi Mumbai	3.0
Balmer & Lawrie CFS, Navi Mumbai	2.3
Ashte Logistics CFS, Panvel	3.9
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	3.3
Navkar Corporation Yard 1 CFS, Panvel	3.5
J M Baxi Ports & Logistics Limited	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	3.0
Apollo Logisolutions CFS, Panvel	3.6
Navkar Corporation Yard 2 CFS, Panvel	4.2
Punjab Conware CFS, Navi Mumbai	1.9
Vaishno Logistics CFS, Navi Mumbai	1.7
JWC Logistics Park CFS	3.4
SBW Logistics CFS, Navi Mumbai	2.5
Ocean Gate CFS, Panvel	3.6
Maharashtra State Corp CFS	2.2

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

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

AVERAGE DELIVERY TIME (In Hrs)- BMCT TO ALL CFS IN MUMBAI	
CFS	Apr'22 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	2.5
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.0
AllCargo Logistics	2.1
Kerry Indev Logistics Pvt Ltd CFS	4.9
Navkar Corporation Yard 3 CFS, Panvel	3.4
Seabird CFS, Navi Mumbai	3.8
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.4
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	-
Dronogiri Rail Terminal CFS, Navi Mumbai	11.4
Navkar Corporation Yard 1 CFS, Panvel	3.4
J M Baxi Ports & Logistics Limited	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	4.1
Navkar Corporation Yard 2 CFS, Panvel	3.3
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.1
JWC Logistics Park CFS	3.7
SBW Logistics CFS, Navi Mumbai	2.9
Ocean Gate CFS, Panvel	3.9
Maharashtra State Corp CFS	3.8

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 GTI and JNPCT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Apr'22				
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	2.9
Cluster 2	6	13	2.6	3.2
Cluster 3	6	11	2.4	2.9
Cluster 4	1	13	2.5	3.2
Cluster 5	2	25	4.0	4.1
Cluster 6	6	25	4.0	4.2
Cluster 7	4	12	2.2	3.1
Cluster 8	1	34	2.8	8.6

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Apr'22				
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	1.9
Cluster 2	6	13	2.1	1.8
Cluster 3	6	11	2.7	2.0
Cluster 4	1	13	2.0	1.7
Cluster 5	2	25	4.3	3.1
Cluster 6	6	25	4.1	2.6
Cluster 7	4	12	1.9	2.2
Cluster 8	1	34	2.9	15.6

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 Apr'22				
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	2.3
Cluster 2	6	13	2.1	2.3
Cluster 3	6	11	2.2	2.4
Cluster 4	1	13	2.2	1.9
Cluster 5	2	25	3.8	3.9
Cluster 6	6	25	4.0	4.4
Cluster 7	4	12	2.1	2.8
Cluster 8	1	34	2.5	9.6

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Apr'22				
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	3.0	1.8
Cluster 2	6	13	2.3	2.2
Cluster 3	6	11	2.0	2.9
Cluster 4	1	13	1.7	2.3
Cluster 5	2	25	3.5	2.9
Cluster 6	6	25	3.8	3.1
Cluster 7	4	12	2.0	2.0
Cluster 8	1	34	2.5	4.0

CFS Cluster : BMCT Terminal

BMCT terminal for month of Apr'22				
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	4.5
Cluster 2	6	13	2.1	5.3
Cluster 3	6	11	2.0	5.2
Cluster 4	1	13	2.1	4.8
Cluster 5	2	25	3.8	6.2
Cluster 6	6	25	3.4	6.7
Cluster 7	4	12	2.0	4.4
Cluster 8	1	34	2.9	9.2

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**

LDB Operations Snapshot

Legend:
- ● Operational
- ● To be Go-Live ports
- ■ SEZ
- ■ ICD
- ■ CFS + Empty Yard
- ▲ TOLL PLAZA

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

Map labels:

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

KRISHNAPATNAM — 1st Nov 2018

KATTUPALLI — 28th Nov 2018

ENNORE — 17th Dec 2019

VIZAG — 1st Nov 2018

PARADIP — 20th Nov 2019

HALDIA — 30th Nov 2018

KOLKATA — 1st Dec 2018

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

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

Map numbers: 09, 22, 145, 60, 17, 13, 2, 3, 1, 15, 8, 10, 16, 4, 7, 9, 5, 6, 14, 11, 12

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)

List of CFS name used in CFS Performance Index

#	CFS Name	#	CFS Name
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