Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	50.1	-
NSICT	25.6	23.9
GTI	17.5	17.6
NSIGT	23.7	22.9
BMCT/ PSA	26.2	25.2

Export Cycle		
Port	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	74.5	-
NSICT	51.8	59.0
GTI	76.9	71.0
NSIGT	73.6	75.2
BMCT/ PSA	70.8	77.0

Critical Incident Summary

Jawaharlal Nehru Port Authority

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

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time	ICD
Jan'23	21.9 hrs	70.9 hrs	77.7 hrs	119.1 hrs
Dec'22	22.6 hrs	69.0 hrs	77.1 hrs	110.3 hrs

Import Cycle: 3.1% ▲ | Export Cycle: 2.8% ▼ | CFS Dwell Time: 0.8% ▼ | ICD: 8.0% ▼

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	Dec'22 (in hrs)	Jan'23 (in hrs)
Overall	25.4	23.4
Truck	20.1	19.0
Train	78.7	84.8

EXPORT

Mode	Dec'22 (in hrs)	Jan'23 (in hrs)
Overall	82.7	84.8
Truck	78.6	81.5
Train	104.9	103.2

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	Dec'22 (in hrs)	Jan'23 (in hrs)
CFS	80.2	79.5
ICD	110.3	119.1

The marked entries showcase increase in performance in comparison to Dec'22

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

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Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index – Jan'23

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

High
Container Volume

- GTI
- BMCT
- NSICT
- NSIGT
- MICT
- AICT
- AMCT
- ACMTPL
- AMCT-2
- AHPL
- KICT

Dwell Time

low

High

Quadrant : III
High Potential

low

Quadrant : IV
Laggard
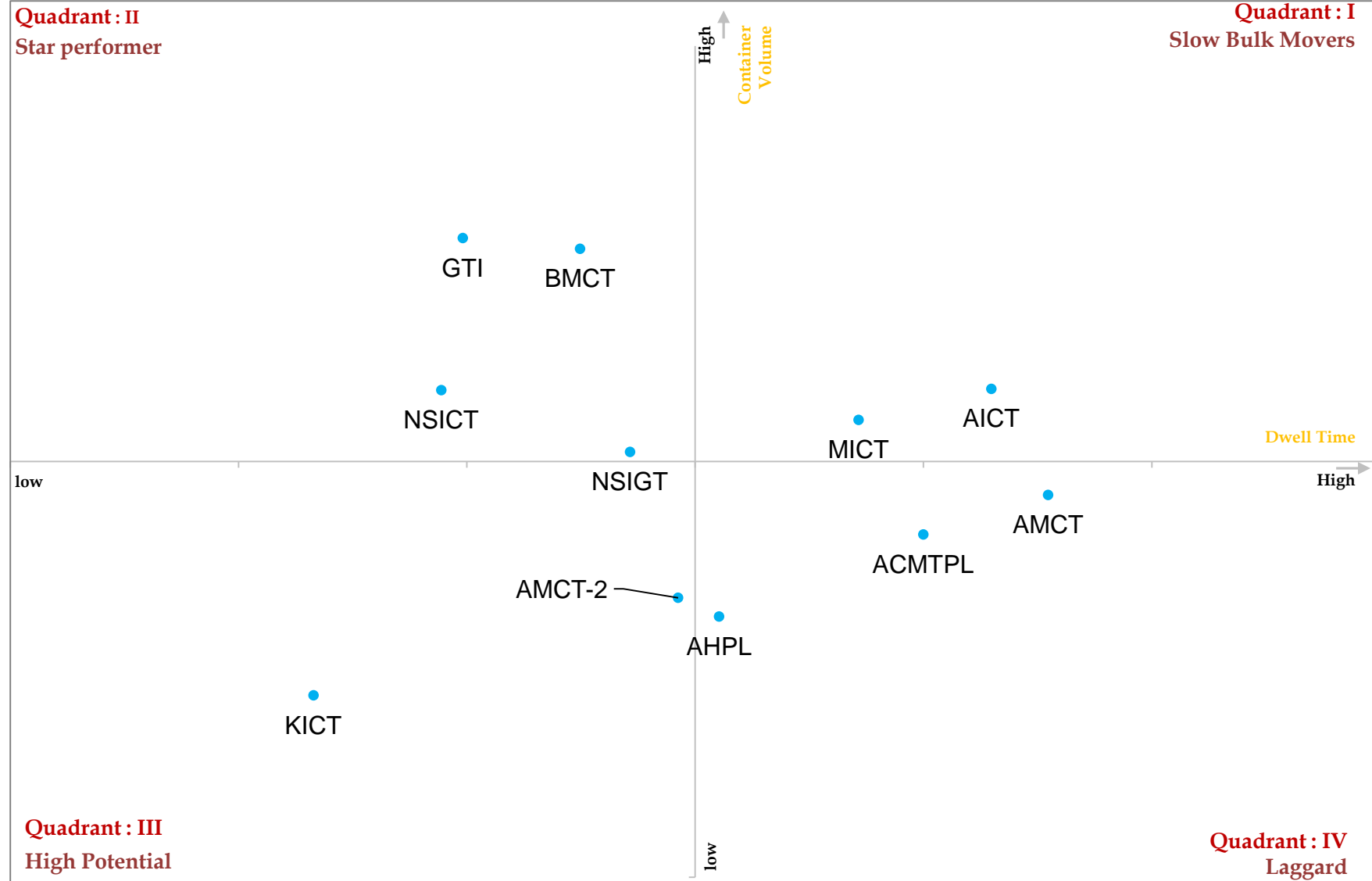
Performance benchmarking for Port Terminals covered under LDB project for Jan'23

Top Performing Terminal	
Gateway Terminals India (GTI)	
Dec'22	Jan'23
42.9 hrs	39.8 hrs ⬆

Low Performing Terminal	
Adani Mundra Container Terminal (AMCT)	
Dec'22	Jan'23
74.3 hrs	82.6 hrs ⬇

Note: The performance benchmarking is based on performance index

The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Dec'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
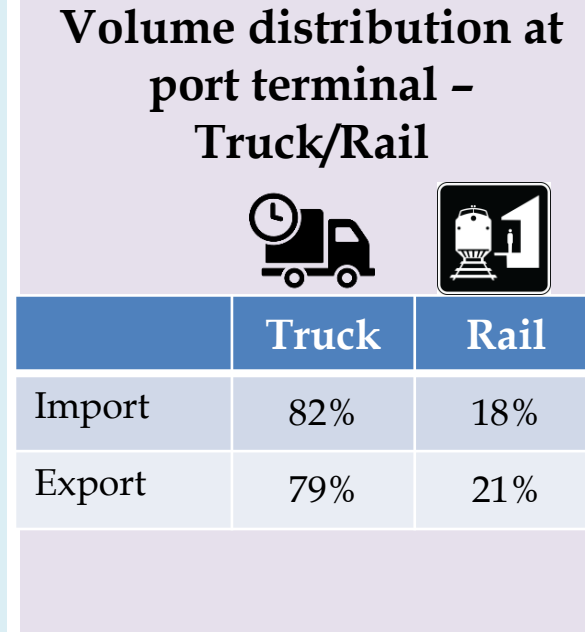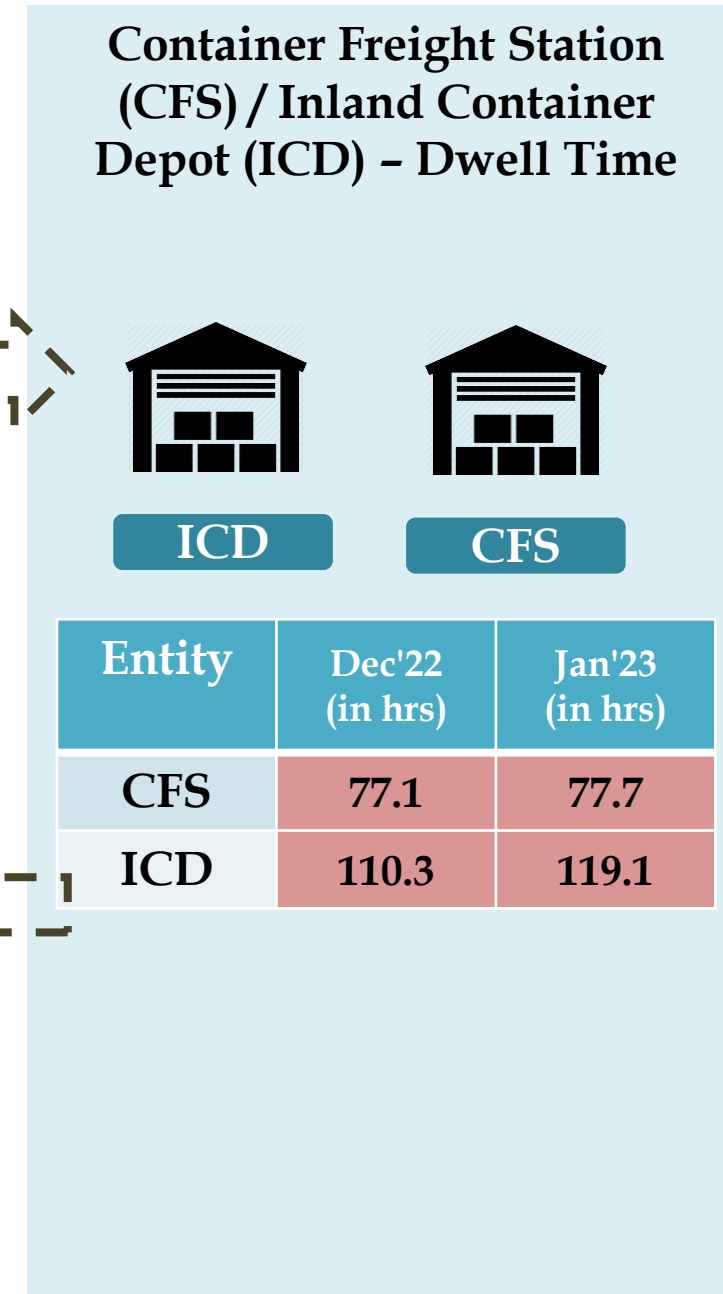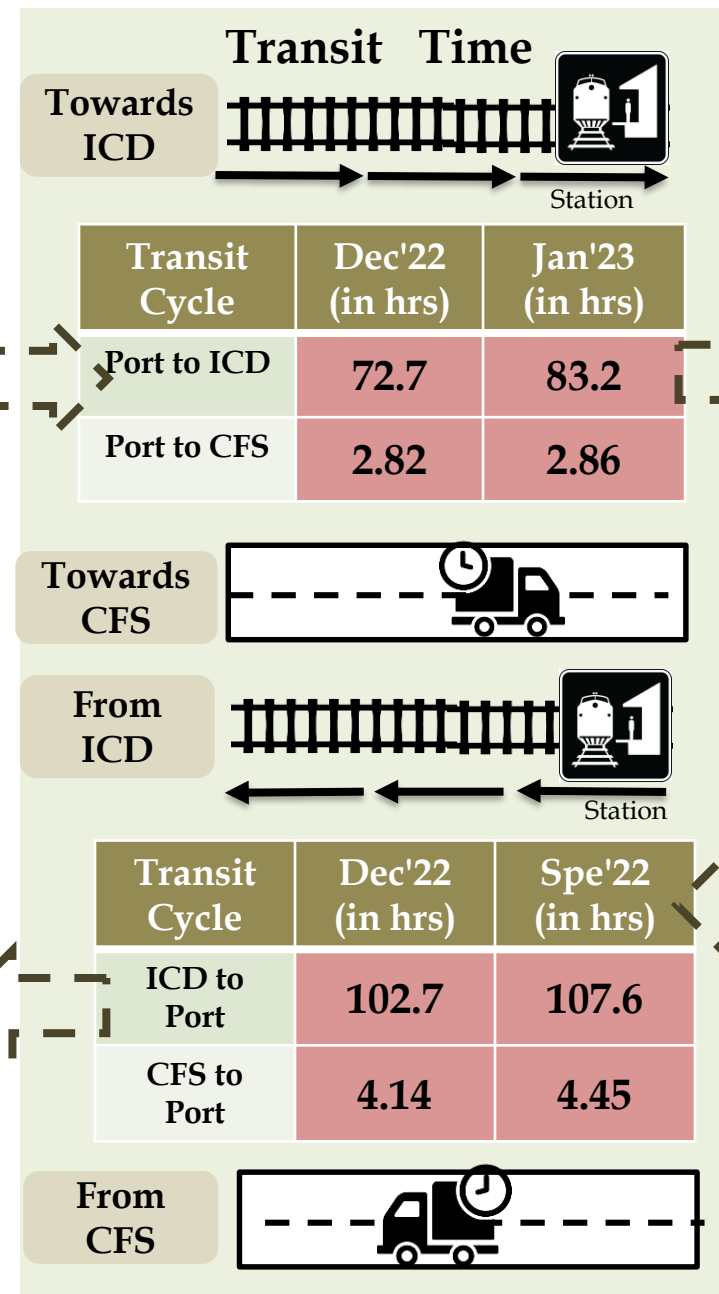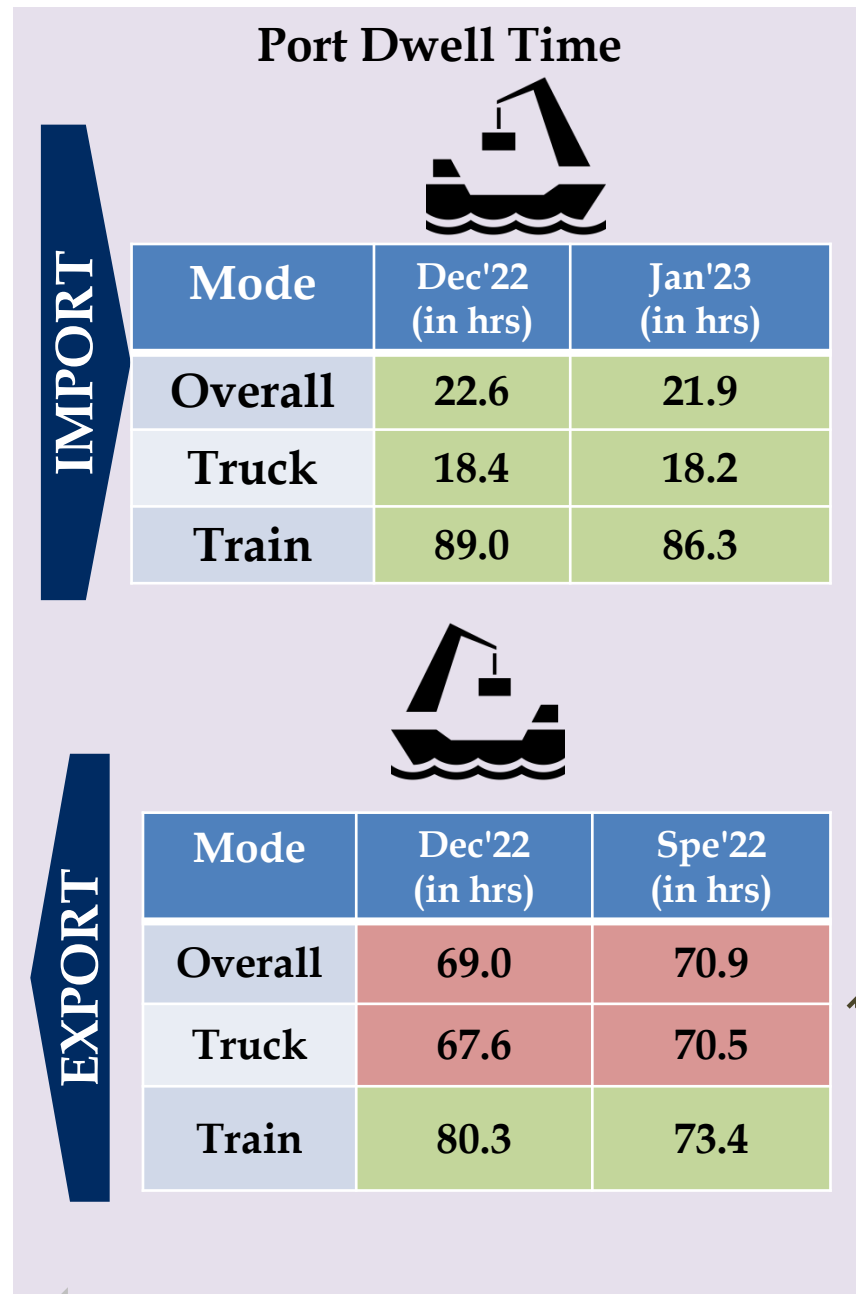
Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time

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- JNPA Port Terminals

Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

Mode	Dec'22 (in hrs)	Jan'23 (in hrs)
Overall	22.6	21.9
Truck	18.4	18.2
Train	89.0	86.3

EXPORT

Mode	Dec'22 (in hrs)	Spe'22 (in hrs)
Overall	69.0	70.9
Truck	67.6	70.5
Train	80.3	73.4

Transit Time

Towards ICD — Station

Transit Cycle	Dec'22 (in hrs)	Jan'23 (in hrs)
Port to ICD	72.7	83.2
Port to CFS	2.82	2.86

Towards CFS

From ICD — Station

Transit Cycle	Dec'22 (in hrs)	Spe'22 (in hrs)
ICD to Port	102.7	107.6
CFS to Port	4.14	4.45

From CFS

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

ICD   CFS

Entity	Dec'22 (in hrs)	Jan'23 (in hrs)
CFS	77.1	77.7
ICD	110.3	119.1

Volume distribution at port terminal – Truck/Rail

	Truck	Rail
Import	82%	18%
Export	79%	21%

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

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

Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

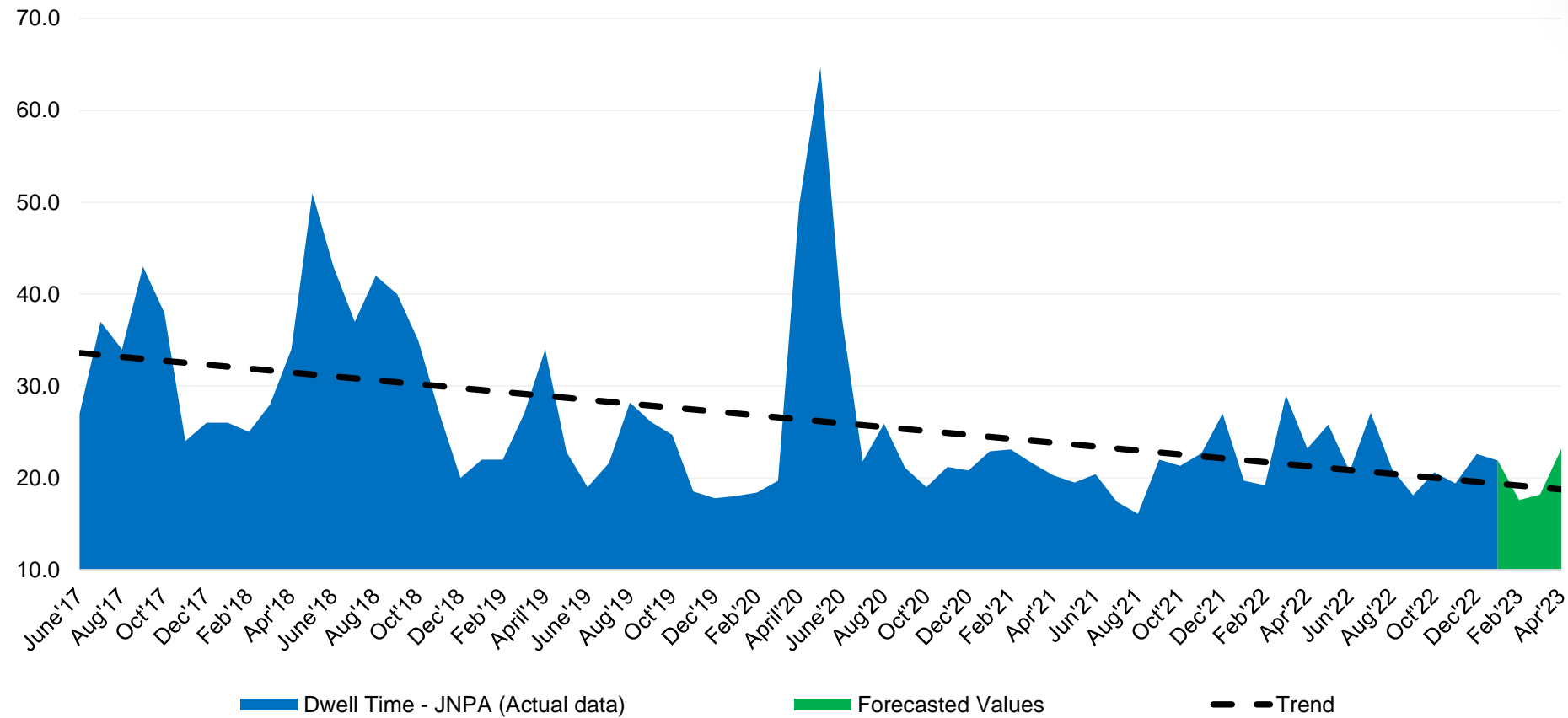| IMPORT CYCLE DWELL TIME (Jan'23 – in hrs)		Compared to Dec'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	21.9	3.1% ⬆
	Port Dwell Time for Truck Bound Containers	18.2	1.1% ⬆
	Port Dwell time for Train Bound Containers	86.3	3.0% ⬆
	Port Dwell time Direct Port Delivery (DPD) containers	29.0	3.7% ⬆
	Port Dwell time Containers bound for CFS	16.6	0.6% ⬆
	Port Dwell for Empty Containers	26.3	5.7% ⬆
	Port Dwell for Laden Containers	21.1	2.3% ⬆
TRANSIT TIME	Port to ICD	83.2	14.4% ⬇
	Port to CFS	2.86	1.4% ⬇

EXPORT CYCLE DWELL TIME (Jan'23– in hrs)		Compared to Dec'22	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	70.9	2.8% ⬇
	Port Dwell Time for Truck Bound Containers	70.5	4.3% ⬇
	Port Dwell time for Train Bound Containers	73.4	8.6% ⬆
	Port Dwell time Direct Port Entry (DPE) containers	67.7	12.0% ⬆
	Port Dwell time Containers bound from CFS	68.6	5.2% ⬇
	Port Dwell for Empty Containers	65.4	3.0% ⬇
	Port Dwell for Laden Containers	72.4	3.0% ⬇
TRANSIT TIME	ICD to Port	107.6	4.8% ⬇
	CFS to Port	4.45	7.5% ⬇

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

Container Transportation- JNPA Port Terminals

JNPA Port – Import Cycle

Legend:
- Dwell Time - JNPA (Actual data)
- Forecasted Values
- Trend

Observation

Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.

- Due to the cyclic variations in the monthly data it is expected to reach a local maxima in Apr'23.

Predicted Dwell Time (in hrs)

Feb'22	Mar'23	Apr'23
17.6	18.2	23.2

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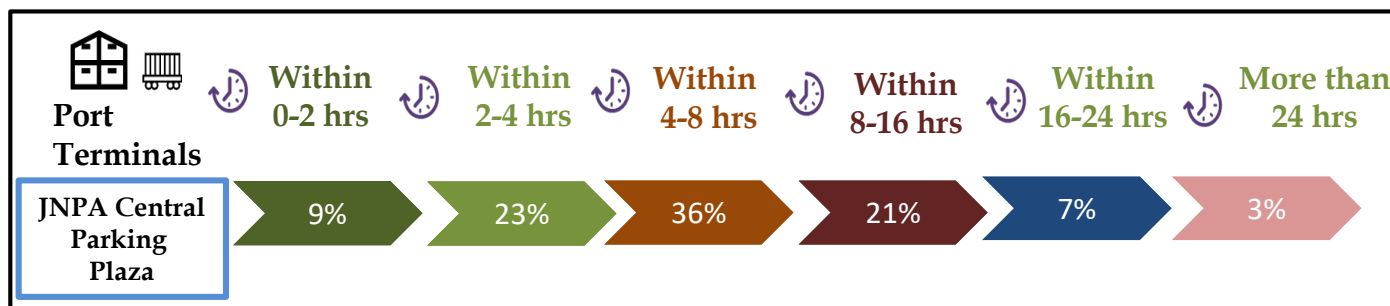NICDC LOGISTICS DATA SERVICES LTD
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The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle

Parking Plaza Gate In – Gate Out

Mode	Dec'22 (in hrs)	Jan'23 (in hrs)
Overall Parking Plaza	5.62	5.10

Container Handled: Day wise (Jan'23)

Port Terminals	Within 0-2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPA Central Parking Plaza	9%	23%	36%	21%	7%	3%

Parking Plaza Gate Out – Terminal In

Mode	Dec'22 (in hrs)	Jan'23 (in hrs)
Overall Parking Plaza to JNPA Port	1.71	1.88

Port	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	1.7	-
NSICT	1.8	2.0
GTI	1.3	0.8
NSIGT	0.9	1.2
BMCT	4.8	6.3

Container Handled: Day wise (Jan'23)

Port Terminals	Within 0-2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPCT	-	-	-	-	-	-
NSICT	50%	29%	16%	4%	0%	0%
GTI	82%	15%	2%	1%	0%	0%
NSIGT	73%	21%	4%	1%	0%	0%
PSA	4%	16%	49%	27%	3%	0%

CFS/ICD Performance Benchmarking & Performance Index - Western Corridor
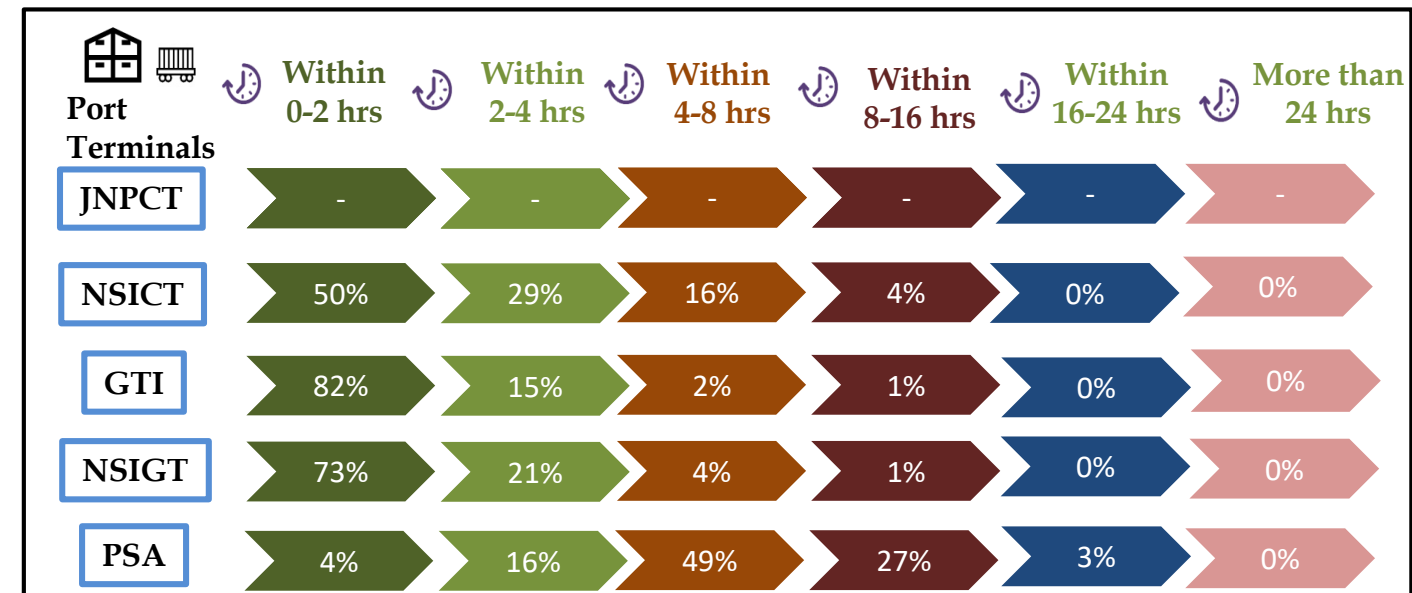
CFS **Performance Benchmarking** **ICD**

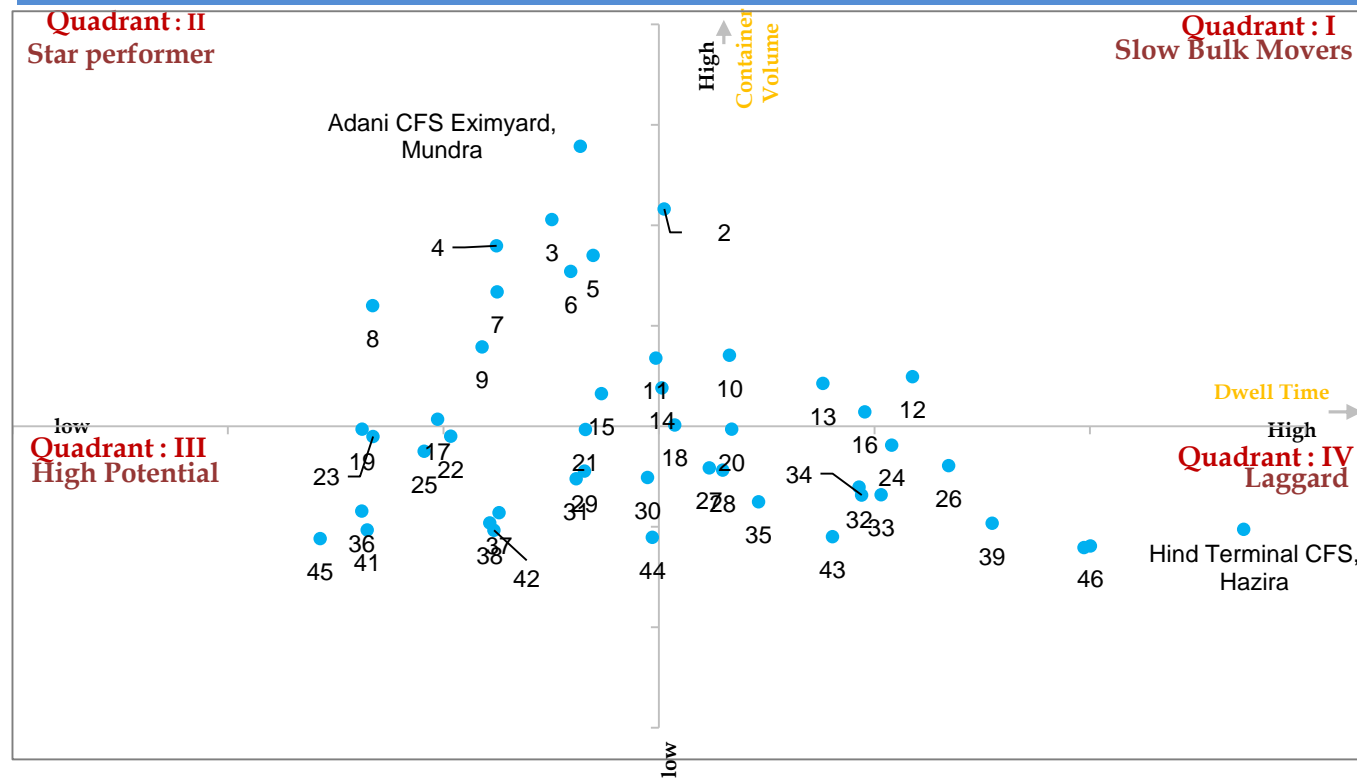| Top Performing CFS	
Adani CFS Eximyard, Mundra	
Dec'22	Jan'23 ⬆
82.2 hrs	77.0 hrs

Low Performing CFS	
Hind Terminal CFS, Hazira	
Dec'22	Jan'23 ⬇
100.5 hrs	125.0 hrs

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

Top Performing ICD	
Continental Warehousing Corporation Nhava Sheva pvt. Ltd	
Dec'22	Jan'23 ⬇
92.9 hrs	104.4 hrs

Low Performing ICD	
GatewayRail Freight ICD, Pyala	
Dec'22	Jan'23 ⬆
170.6 hrs	137.7 hrs

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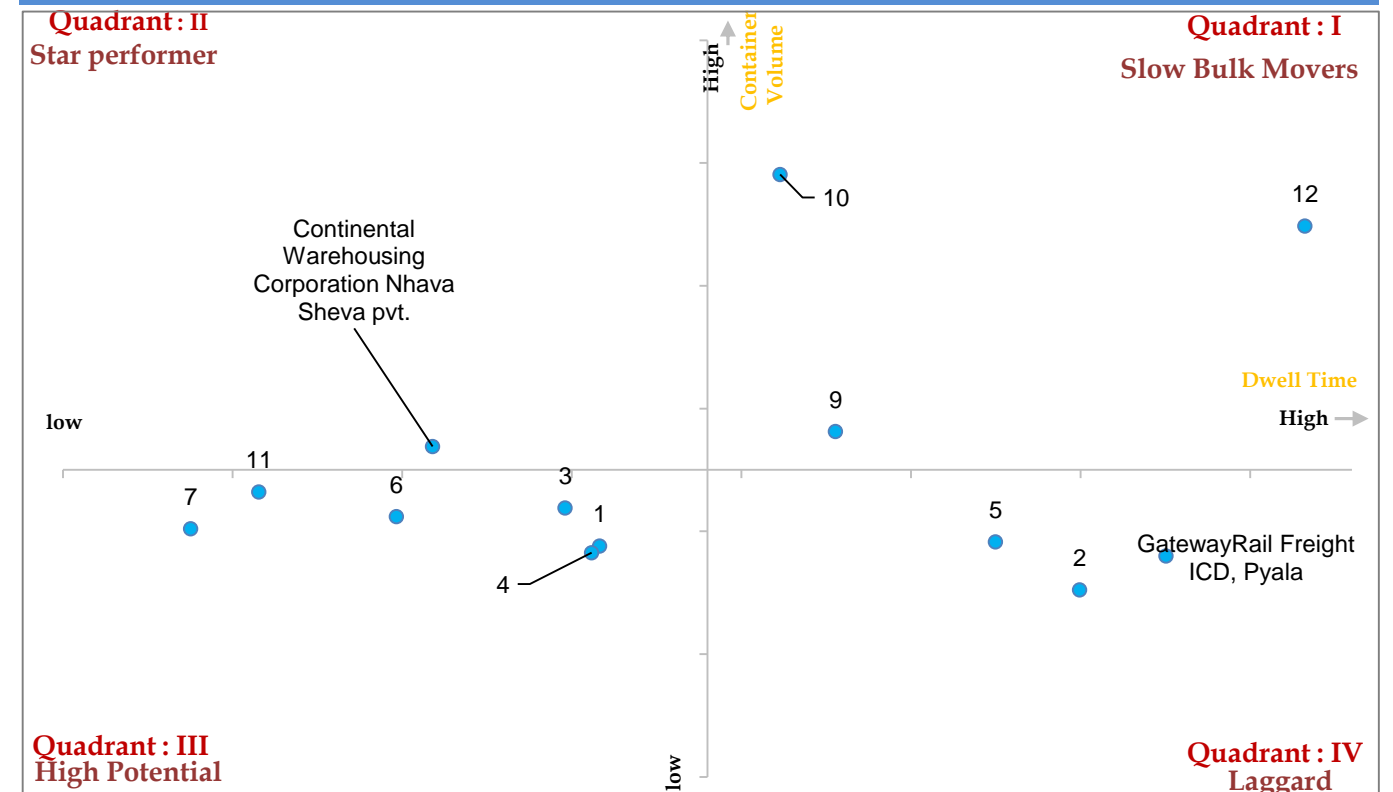
Kindly refer to Annexure section for the names of CFS

Performance Index: ICD

Import Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the port dwell time performance at JNPA port for truck and train bound containers in import cycle
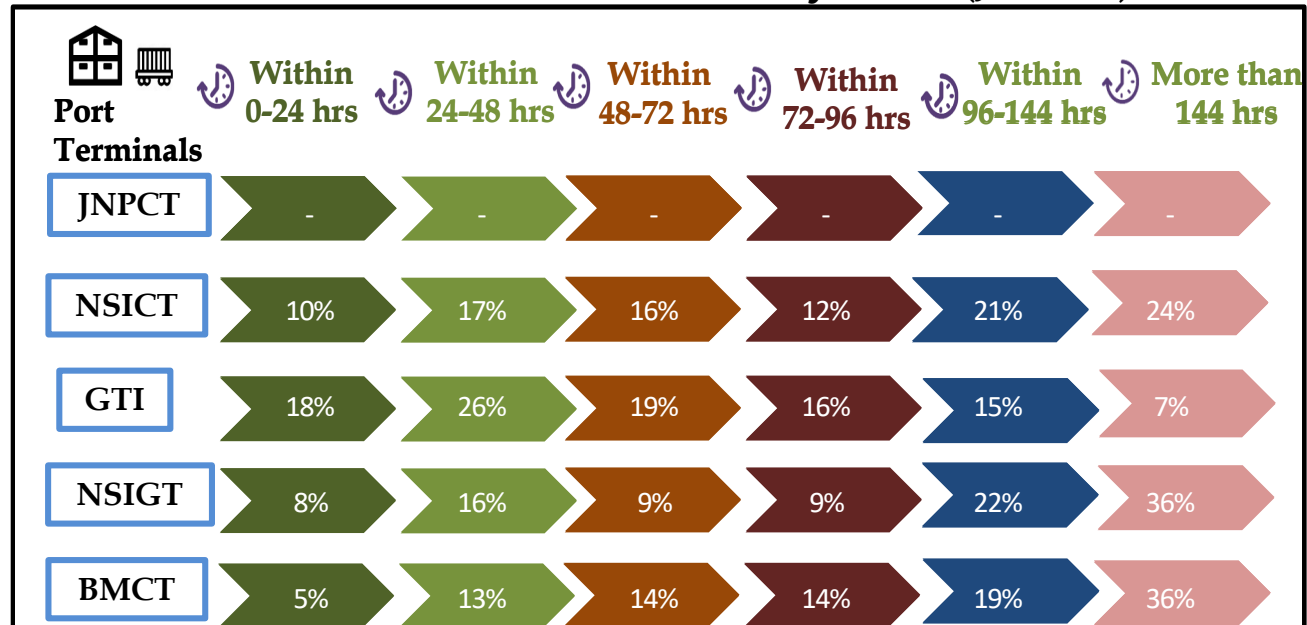
PORT IMPORT via TRAIN
(18% of total import volume at JNPA Port)

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	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	76.7	-
NSICT	85.1	85.0
GTI	65.0	55.1
NSIGT	125.2	118.2
BMCT	87.3	106.0

Container Handled: Day wise (Jan'23)

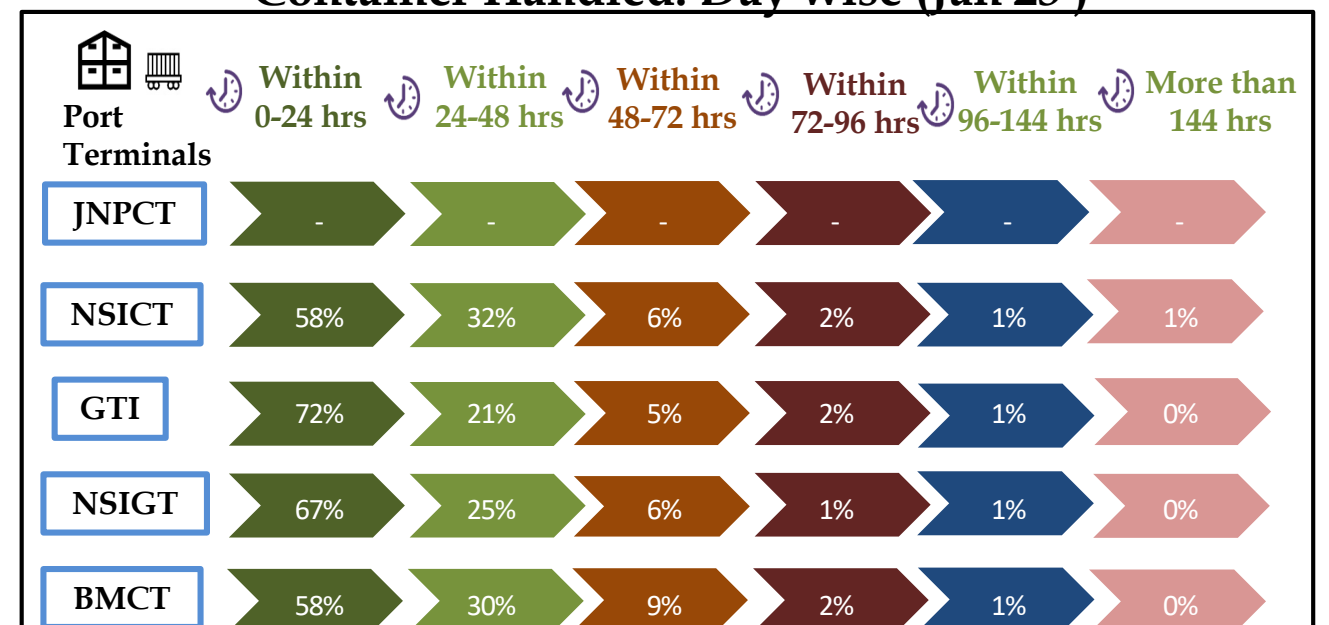| Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
JNPCT	-	-	-	-	-	-
NSICT	10%	17%	16%	12%	21%	24%
GTI	18%	26%	19%	16%	15%	7%
NSIGT	8%	16%	9%	9%	22%	36%
BMCT	5%	13%	14%	14%	19%	36%

PORT IMPORT via TRUCK
(22% of total import volume at JNPA 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	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	47.4	-
NSICT	22.2	20.6
GTI	14.7	15.0
NSIGT	17.5	17.4
BMCT	20.7	20.4

Container Handled: Day wise (Jan'23)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
JNPCT	-	-	-	-	-	-
NSICT	58%	32%	6%	2%	1%	1%
GTI	72%	21%	5%	2%	1%	0%
NSIGT	67%	25%	6%	1%	1%	0%
BMCT	58%	30%	9%	2%	1%	0%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jan'23

JNPCT

Port Dwell time based on transit type

Dec'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	-	-

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	-	-

GTI

Port Dwell time based on transit type

Dec'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.9 hrs	14.0 hrs

Port Dwell time based on transit type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	16.3 hrs	26.1 hrs

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jan'23

NSICT

Port Dwell time based on transit type

Dec'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	39.6 hrs	19.2 hrs

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	23.2 hrs	26.5 hrs

NSIGT

Port Dwell time based on transit type

Dec'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	31.3 hrs	16.0 hrs

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	23.2 hrs	22.0 hrs

BMCT

Port Dwell time based on transit type

Dec'22	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	26.1 hrs	19.1 hrs

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	24.4 hrs	29.0 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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The Below map indicate congestion around JNPA region in Import Cycle in month of Jan'23

Clusters with bottleneck

CLUSTER 1	JNPA Area

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area,JNPA road
CLUSTER 4	Chirle area, JNPA road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPA 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

JNPA Region Import Cycle: Container Movement

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Jan'23
Mumbai region	77%
NH3	1%
Pune	5%
NH8	8%
others	10%

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

Heat Map via Truck: Jan'23
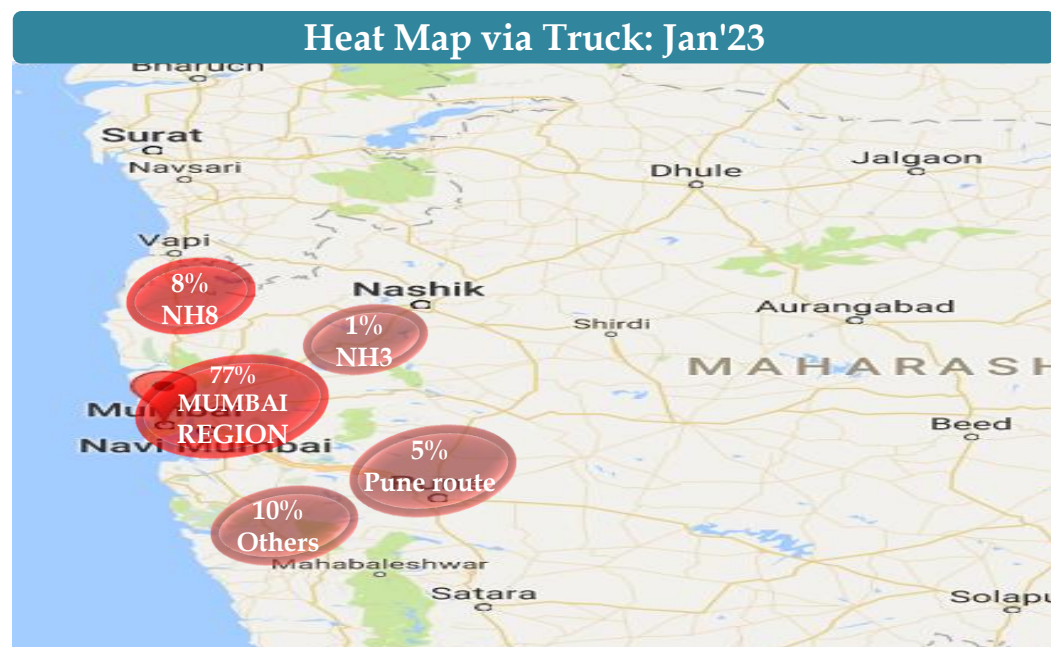
Train
VOLUME WISE CONTAINER MOVEMENT

Region	Jan'23
Vadodra Route	40%
Ratlam Route	20%
Wardha Route	15%
Kota Route	10%
Bhopal Route	15%

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

Container movement via Rail – Jan'23

Western Corridor Toll Plaza Analysis
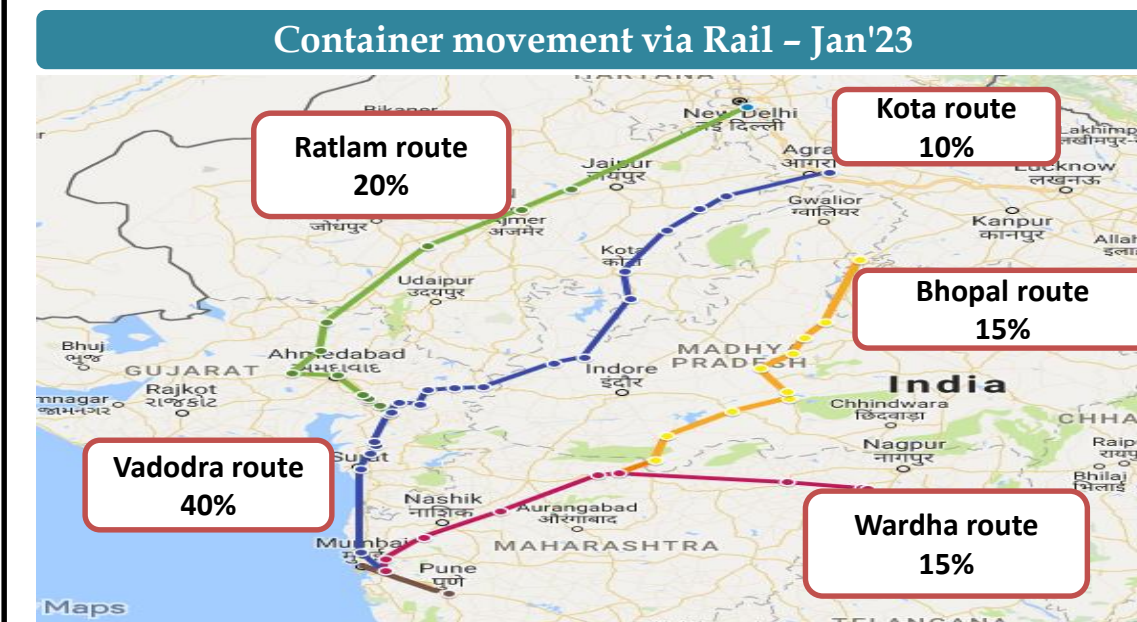
Avg. Speed between Toll to Toll Plazas					
	Source	Destination Toll Plaza	Inter Distance (Km)	Dec'22 (in km/hrs)	Jan'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	-	15.6
	JNPA	Khalapur	60	15.1	20.0
	Khaniwade	Charoti	50	36.9	37.1
	Charoti	Boriach	126	25.3	26.7
	Boriach	Bharthan	142	31.3	32.7
	Bharthan	Vasad	60	37.3	37.4
	Khalalpur	Khedshivpur	105	31.3	33.7

Toll Plaza - JNPA Port
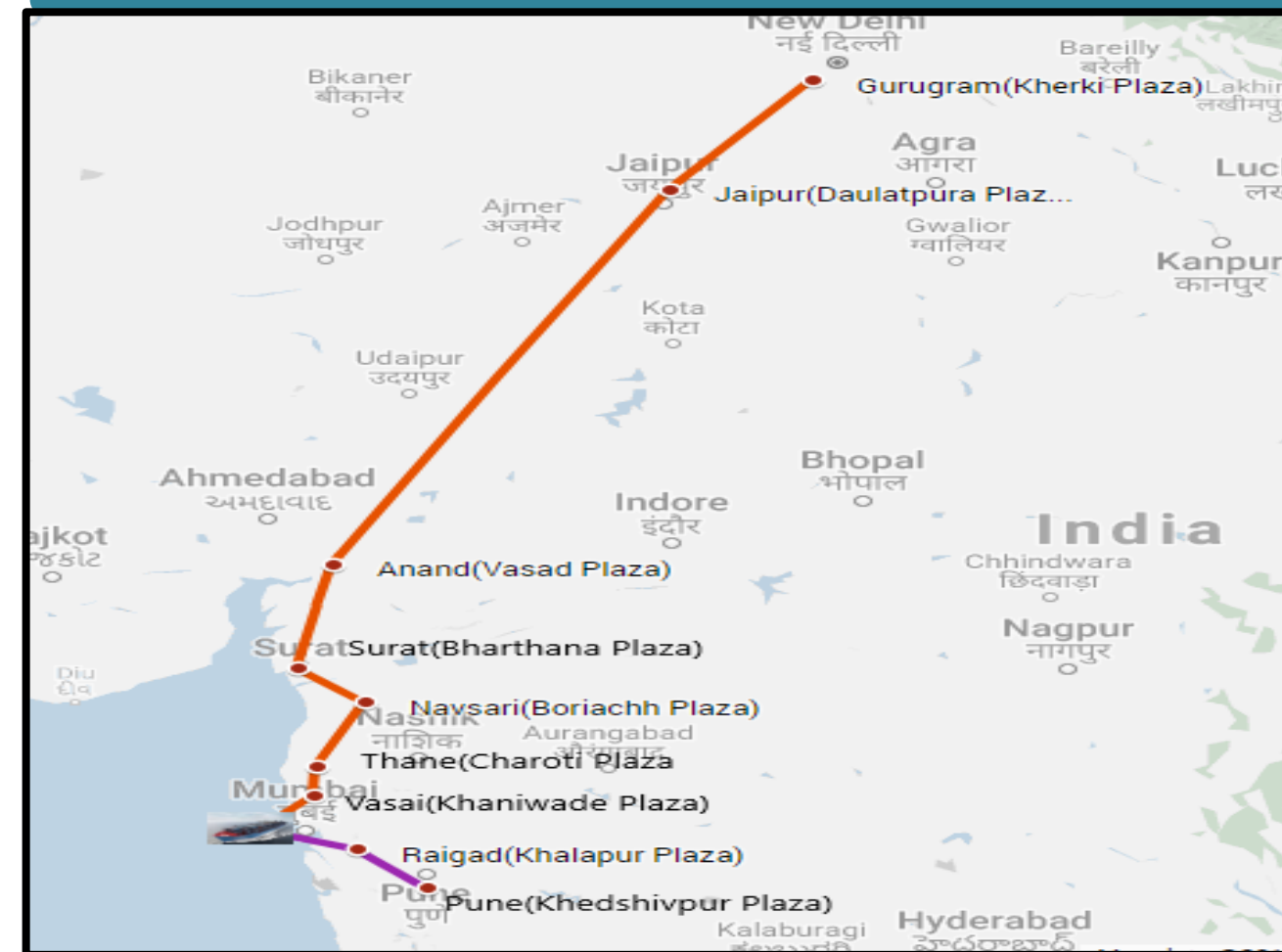
Export Cycle Analysis

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The below tables depict the port dwell time performance at JNPA port for truck and train bound containers in export cycle
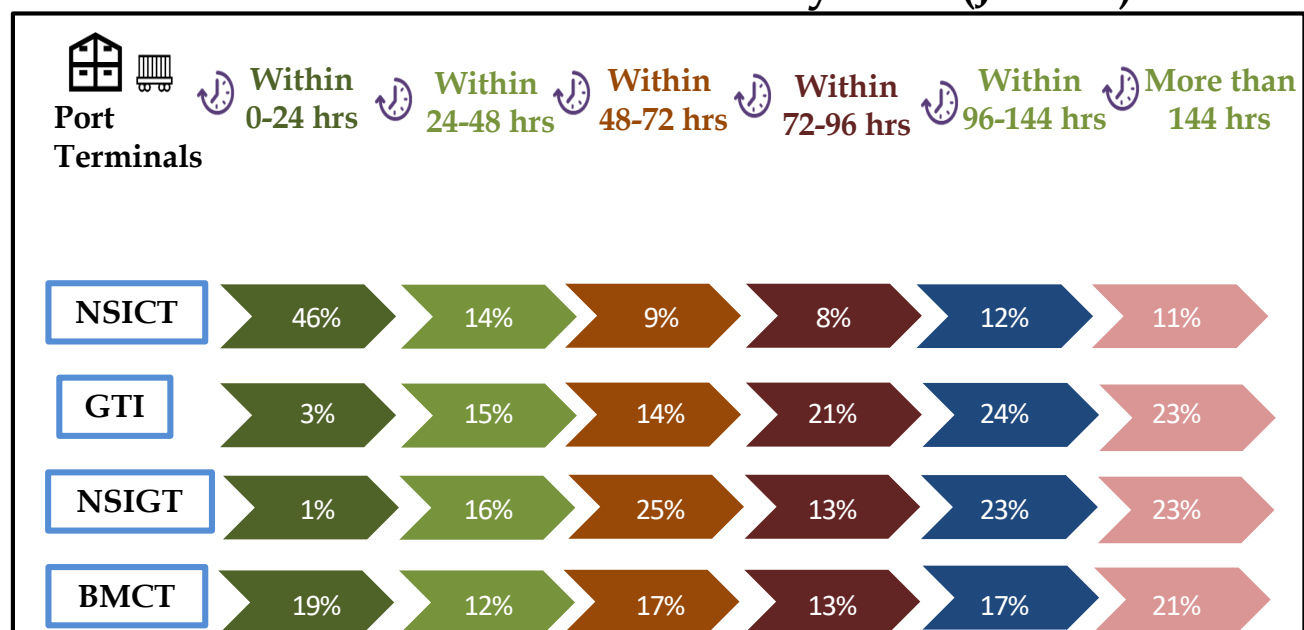
PORT EXPORT via TRAIN
(21% of total export volume at JNPA Port)

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	Dec'22 (in hrs)	Jan'23 (in hrs)
NSICT	38.0	28.4
GTI	108.5	90.2
NSIGT	95.3	87.6
BMCT	76.3	72.0

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

Container Handled: Day wise (Jan'23)

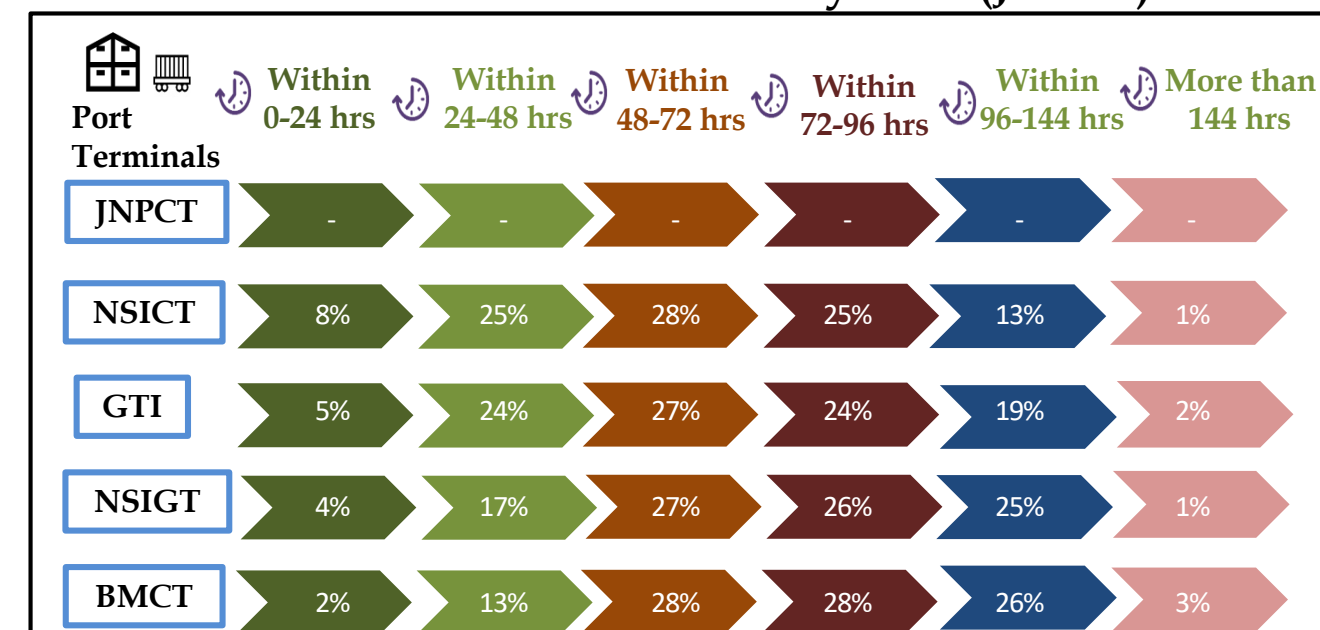| Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSICT	46%	14%	9%	8%	12%	11%
GTI	3%	15%	14%	21%	24%	23%
NSIGT	1%	16%	25%	13%	23%	23%
BMCT	19%	12%	17%	13%	17%	21%

PORT EXPORT via TRUCK
(79% of total export volume at JNPA 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	Dec'22 (in hrs)	Jan'23 (in hrs)
JNPCT	73.8	-
NSICT	53.9	63.2
GTI	72.6	66.9
NSIGT	70.4	73.8
BMCT	70.0	77.8

Container Handled: Day wise (Jan'23)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
JNPCT	-	-	-	-	-	-
NSICT	8%	25%	28%	25%	13%	1%
GTI	5%	24%	27%	24%	19%	2%
NSIGT	4%	17%	27%	26%	25%	1%
BMCT	2%	13%	28%	28%	26%	3%

JNPA Region: Dwell Time Performance (Export Cycle)

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Jan'23

JNPCT

Port Dwell time based on transit type

Dec'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	73.8 hrs	52.2 hrs

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	74.2 hrs	74.5 hrs

GTI

Port Dwell time based on transit type

Dec'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	67.7 hrs	64.7 hrs

Port Dwell time based on container type

Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	71.5 hrs	69.9 hrs

JNPA Region: Dwell Time Performance (Export Cycle)

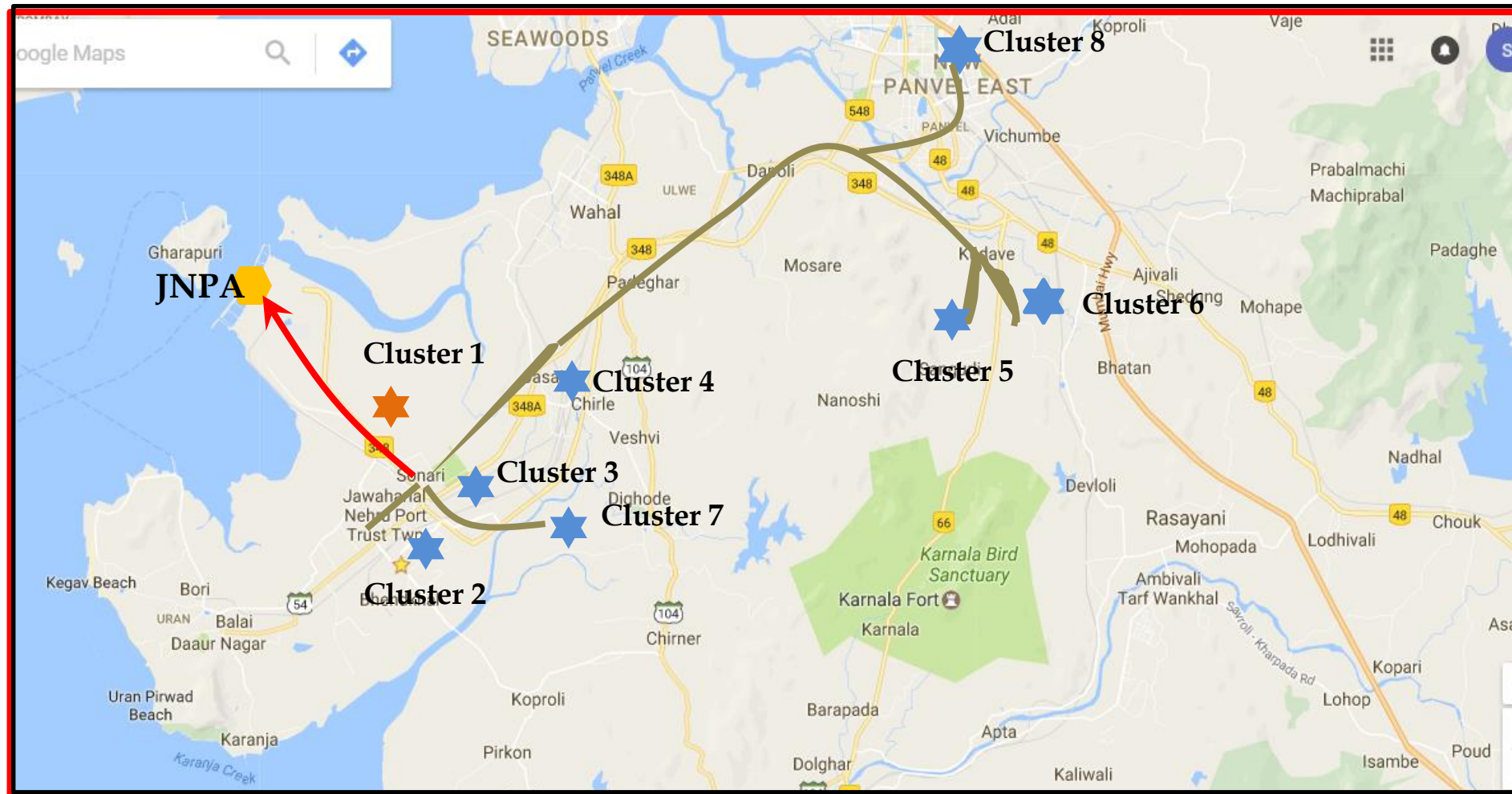The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPA port for Jan'23

NSICT

Port Dwell time based on transit type		
Dec'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	60.2 hrs

Port Dwell time based on container type		
Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	61.9 hrs	43.2 hrs

NSIGT

Port Dwell time based on transit type		
Dec'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	72.9 hrs

Port Dwell time based on container type		
Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	76.3 hrs	44.9 hrs

BMCT

Port Dwell time based on transit type		
Dec'22	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	75.0 hrs

Port Dwell time based on container type		
Dec'22	Laden Containers	Empty Containers
Dwell time (in hrs)	80.0 hrs	71.3 hrs

JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Export Cycle in month of Jan'23

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

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** (red)
- **Medium Congestion** (olive)
- **Low Congestion** (pink)
- **Cluster with bottleneck** (orange star)
- **Cluster without bottleneck** (blue star)

GTI Terminal	**JNPCT Terminal**	**NSICT Terminal**	**NSIGT Terminal**	**BMCT Terminal**
Congestion Level Export Cycle :-	Congestion Level Export Cycle :-	Congestion Level Export Cycle :-	Congestion Level Export Cycle :-	Congestion Level Export Cycle :-

JNPA Region: Container Movement via Train

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	26%
Ratlam Route	20%
Wardha Route	29%
Kota Route	14%
Bhopal Route	11%

The map shows the volume wise container movement through different railway routes in export cycle for Jan'23

Container movement via Rail – Jan'23

CFS and ICD Performance

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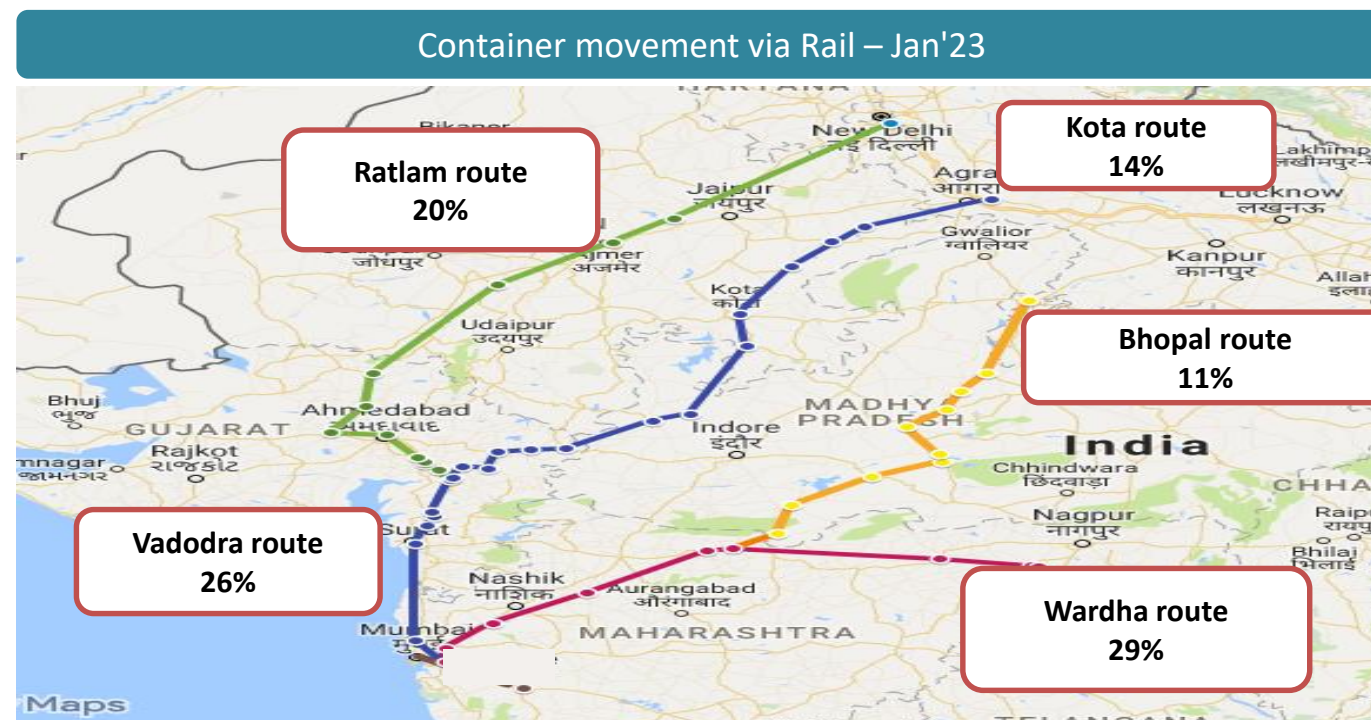
JNPA region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of Jan'23

CFS Dwell Time (in hrs.)

CFS	Dec'22 (in hrs)	Jan'23 (in hrs)	CFS	Dec'22 (in hrs)	Jan'23 (in hrs)
Ameya Logistics CFS, Navi Mumbai	82.1	83.0	Punjab Conware CFS, Navi Mumbai	78.3	67.6
Gateway Distriparks CFS, Navi Mumbai	73.1	74.9	International Cargo Terminal CFS	58.9	62.0
Navkar Corporation Yard 3 CFS, Panvel	53.2	70.9	Dronagiri Rail Terminal CFS, Navi Mumbai	72.4	65.7
CWC Conex Terminal CFS	78.7	76.3	Ocean Gate CFS, Panvel	101.1	103.6
AllCargo Logistics	68.1	71.0	Vaishno Logistics CFS, Navi Mumbai	67.8	77.3
Continental Warehousing CFS, Navi Mumbai	63.5	61.9	APM (Maersk India) CFS, Navi Mumbai	76.9	81.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	63.6	69.9	Take Care Logistics CFS	102.7	98.8
JWC Logistics Park CFS	77.4	82.4	JWR CFS	57.3	61.1
Apollo Logisolutions CFS, Panvel	93.0	101.0	Maharashtra State Corp CFS	74.6	71.1
Ashte Logistics CFS, Panvel	91.1	94.5	Navkar Corporation Yard 1 CFS, Panvel	94.6	106.8
Speedy Multimode CFS, JNPT	71.4	82.9	Maersk Annex (APM)CFS, Navi Mumbai	95.3	95.2
Sarveshwar CFS	104.0	97.6	CWC Impex Park CFS, Navi Mumbai	57.1	58.1
EFC Logistics India	72.2	66.6	Kerry Indev Logistics Pvt Ltd CFS	-	97.2
TG Terminals CFS	74.1	77.3	Seabird CFS, Navi Mumbai	-	70.4

CFS – DWELL OVERVIEW – JAN'23 (IN HRS)

Average: 77.7 hrs.
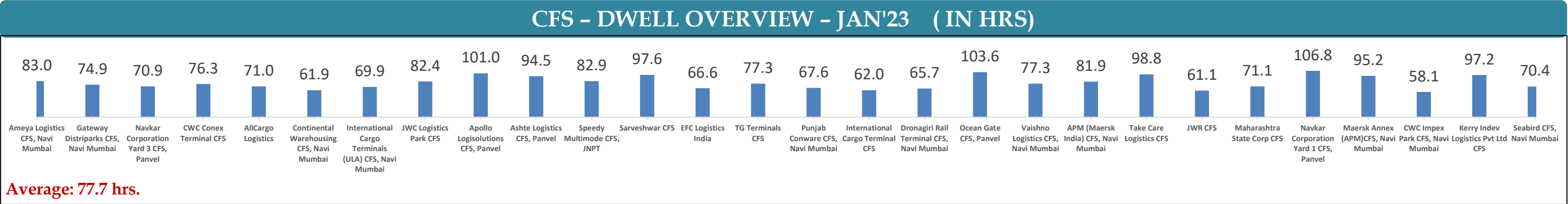
ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	**Dec'22 (in hrs)**	**Jan'23 (in hrs)**
ACTL ICD, Faridabad	108.7	112.0
Adani Logistics Park ICD, Gurgaon	139.2	133.8
Albatross Inland Ports ICD, Dadri	95.0	110.4
Allcargo Logistics Park ICD, Dadri	113.7	111.6
APM Terminals ICD, Dadri	123.8	130.0
CMA CGM Logistics Park, Dadri	86.5	102.8
Gateway Rail Freight ICD, Gurgaon	91.5	93.4
GatewayRail Freight ICD, Pyala	170.6	137.7
Hind Terminals Logistics Park ICD, Palwal	123.1	122.7
Navkar ICD, Tumb	105.0	120.2
Pristine ICD Chawapail	95.4	96.5
THE THAR DRY PORT	137.7	144.0

ICD – DWELL OVERVIEW (JAN'23)   (In Hrs)

ACTL ICD, Faridabad	Adani Logistics Park ICD, Gurgaon	Albatross Inland Ports ICD, Dadri	Allcargo Logistics Park ICD, Dadri	APM Terminals ICD, Dadri	CMA CGM Logistics Park, Dadri	Gateway Rail Freight ICD, Gurgaon	GatewayRail Freight ICD, Pyala	Hind Terminals Logistics Park ICD, Palwal	Navkar ICD, Tumb	Pristine ICD Chawapail	THE THAR DRY PORT
112.0	133.8	110.4	111.6	130.0	102.8	93.4	137.7	122.7	120.2	96.5	144.0

Avg. 119.1 hrs.

Trend Analysis
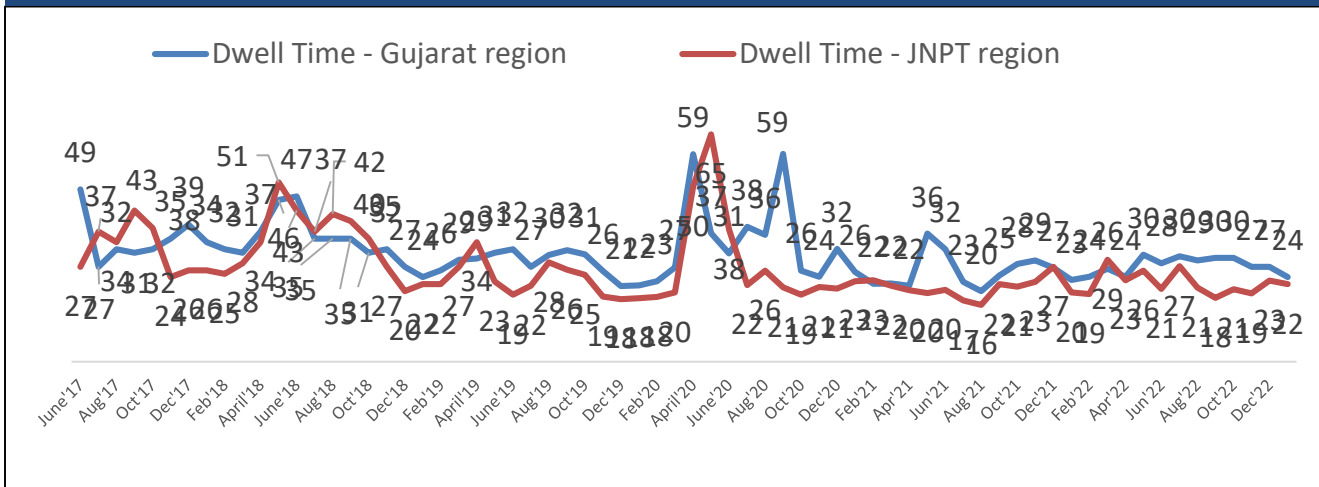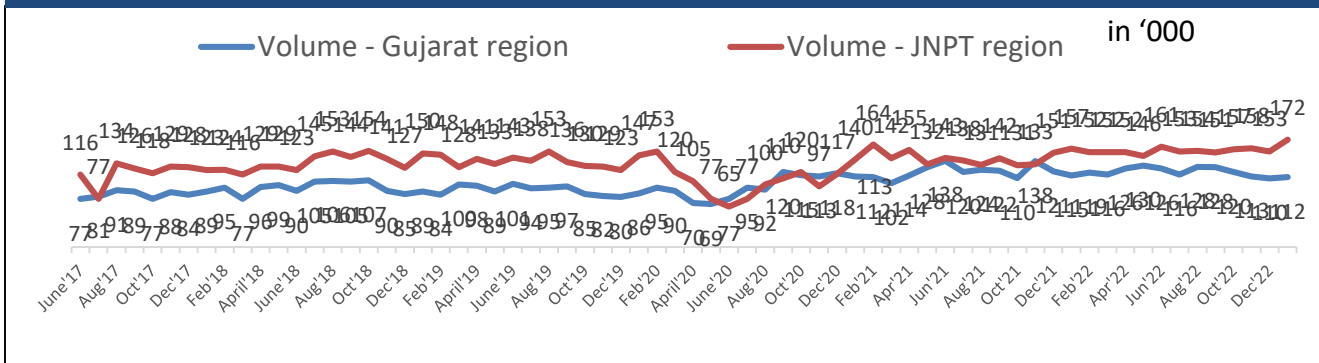
Western Corridor Port – Yearly Analysis

Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Jan'23

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region

Volume – Mundra Region Vs JNPA Region

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region
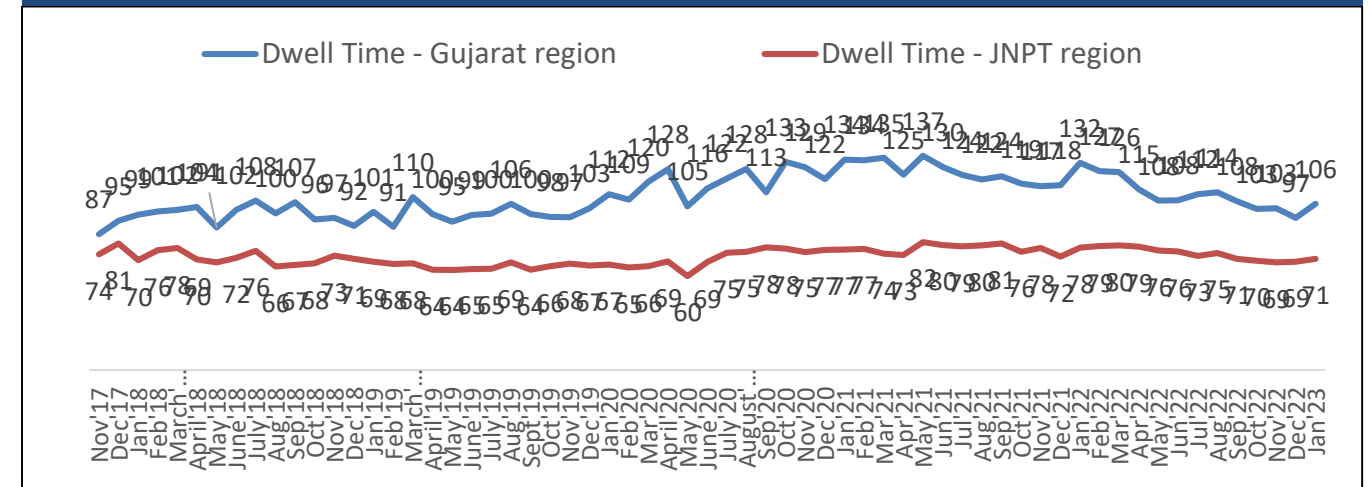

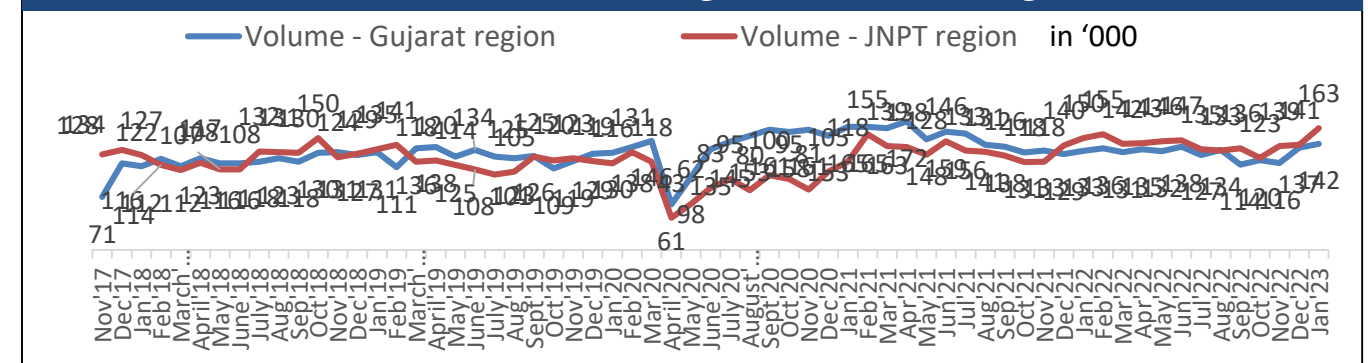### **Volume** – Mundra Region Vs JNPA Region

In Import cycle, for the month of Jan'23 Mundra port has catered 35.1% **less volume** than JNPA Port, and has performed with 7.4% **higher dwell time** than JNPA Port.
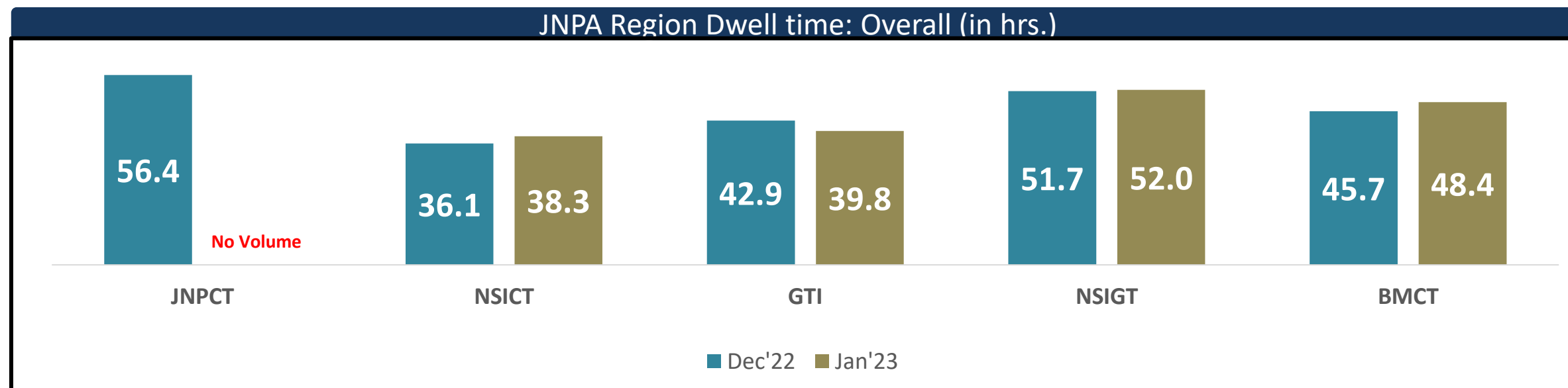
In Export cycle, for the month Jan'23 JNPA port catered 15.4% **high volume** than Mundra Port, and has maintained 33.2% **lower dwell time** than Mundra Port

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

JNPA 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 JNPA 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

JNPA Region Dwell time: Overall (in hrs.)

- JNPCT: 56.4 | No Volume
- NSICT: 36.1 | 38.3
- GTI: 42.9 | 39.8
- NSIGT: 51.7 | 52.0
- BMCT: 45.7 | 48.4

■ Dec'22 ■ Jan'23

> The overall JNPA region average dwell time for Jan'23 is **43.9 hrs** as compared to **43.2 hrs** in Dec'22

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Jan'23

JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Jan'23 is **21.9 hrs.**

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

- JNPCT: 50.1 | No Volume
- NSICT: 25.6 | 23.9
- GTI: 17.5 | 17.6
- NSIGT: 23.7 | 22.9
- BMCT: 26.2 | 25.2
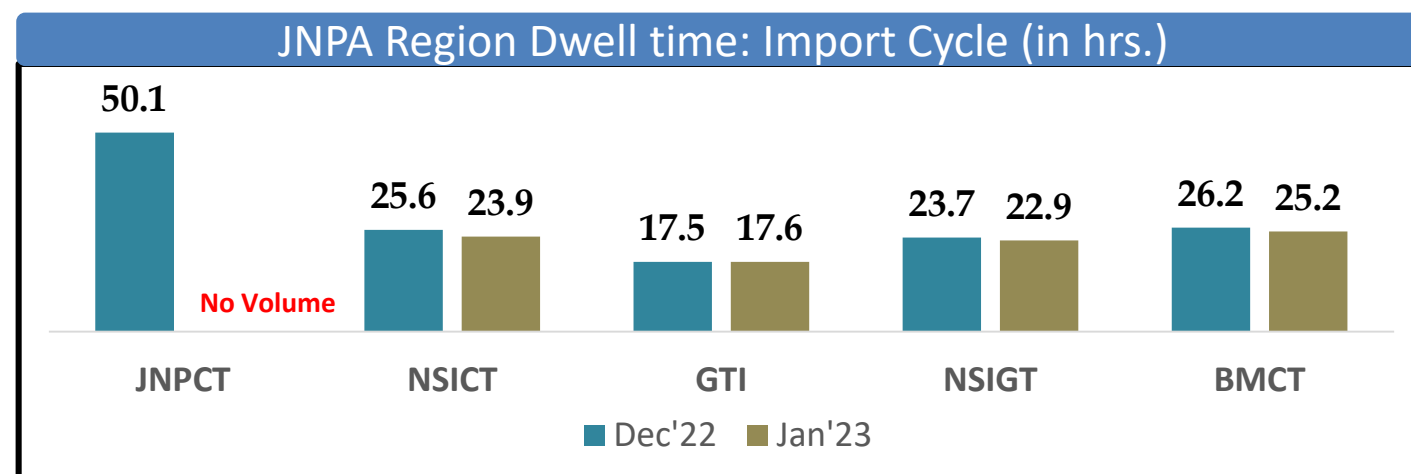
■ Dec'22 ■ Jan'23

JNPA Export cycle Trend

The average export cycle dwell time of JNPA region port terminals for Jan'23 is **70.9hrs.**

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

- JNPCT: 74.5 | No Volume
- NSICT: 51.8 | 59.0
- GTI: 76.9 | 71.0
- NSIGT: 73.6 | 75.2
- BMCT: 70.8 | 77.0
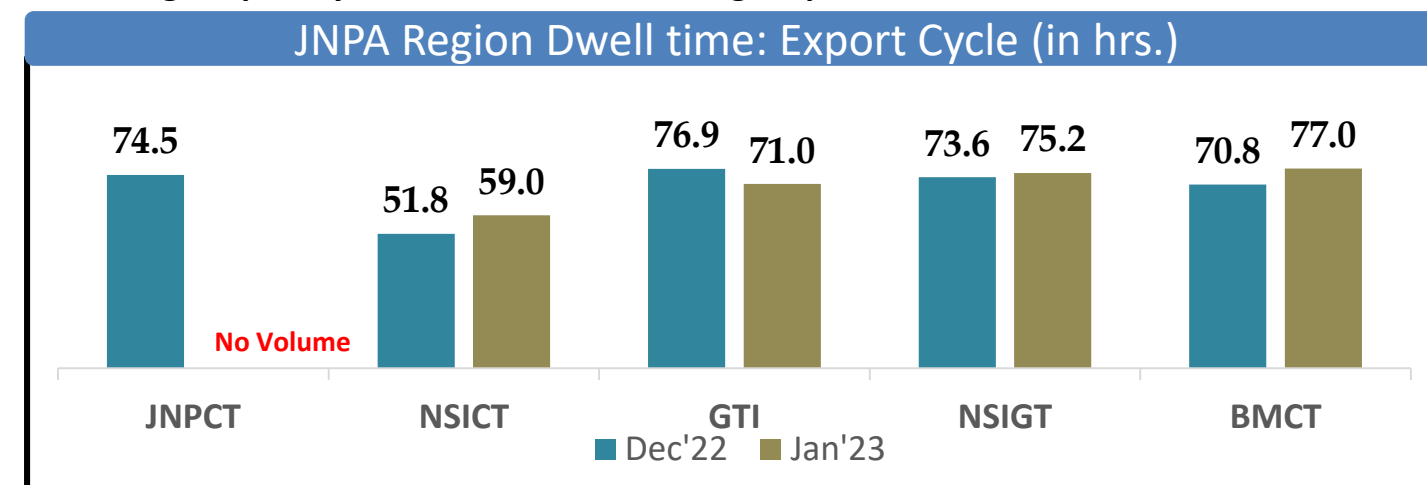
■ Dec'22 ■ Jan'23

ANNEXURE

Container movement around JNPA Port terminal region via Truck

HEAT MAP : GTI Port Terminal
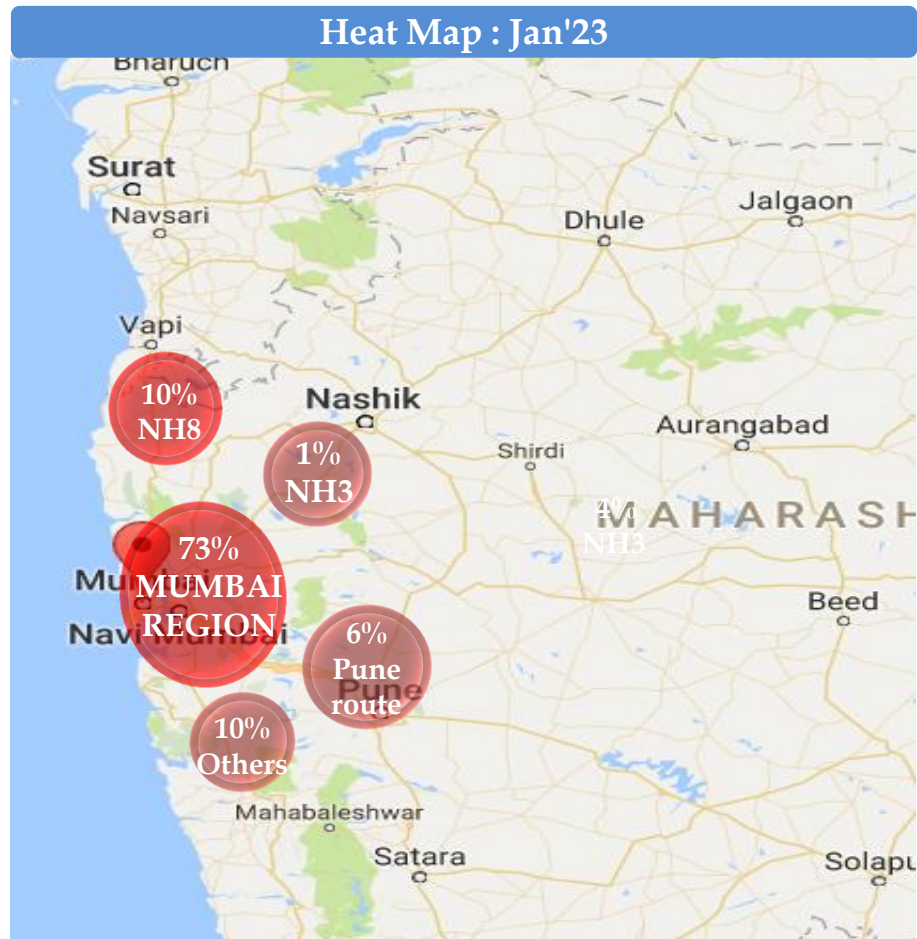
Heat Map : Jan'23

Region	Dec'22	Jan'23
Mumbai region	74%	73%
NH3	1%	1%
Pune	6%	6%
NH8	9%	10%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal
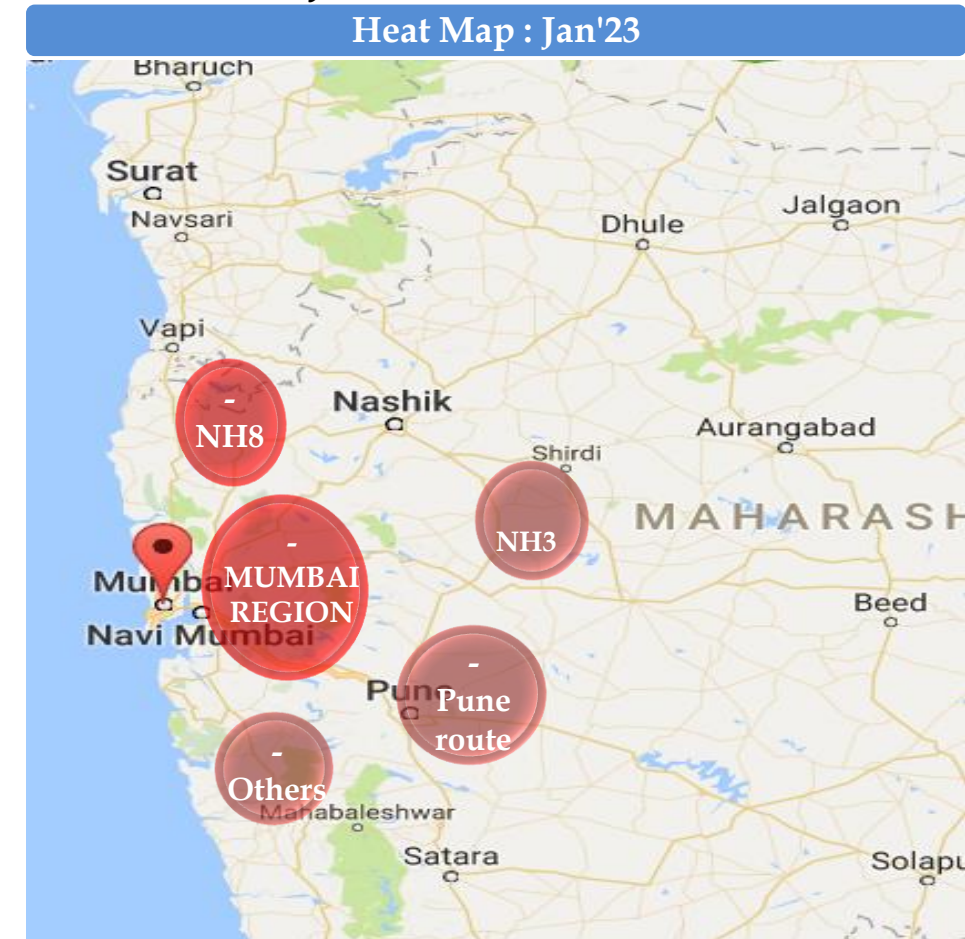
Heat Map : Jan'23

Region	Dec'22	Jan'23
Mumbai region	78%	-
NH3	0%	-
Pune	2%	-
NH8	10%	-
others	10%	-

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

Container movement around JNPA Port terminal region via Truck

NLDS NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

HEAT MAP : NSIGT Port Terminal

Heat Map : Jan'23

Region	Dec'22	Jan'23
Mumbai region	78%	75%
NH3	0%	1%
Pune	5%	5%
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 : Jan'23
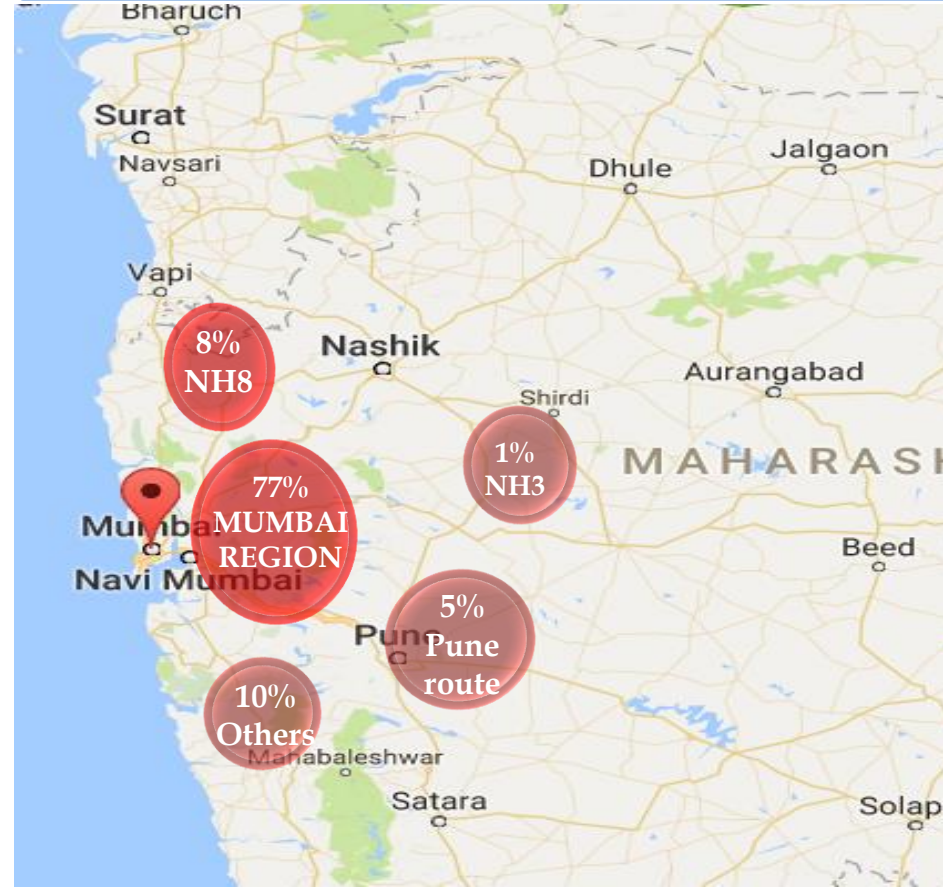
Region	Dec'22	Jan'23
Mumbai region	77%	77%
NH3	0%	1%
Pune	5%	5%
NH8	8%	8%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal

Heat Map : Jan'23

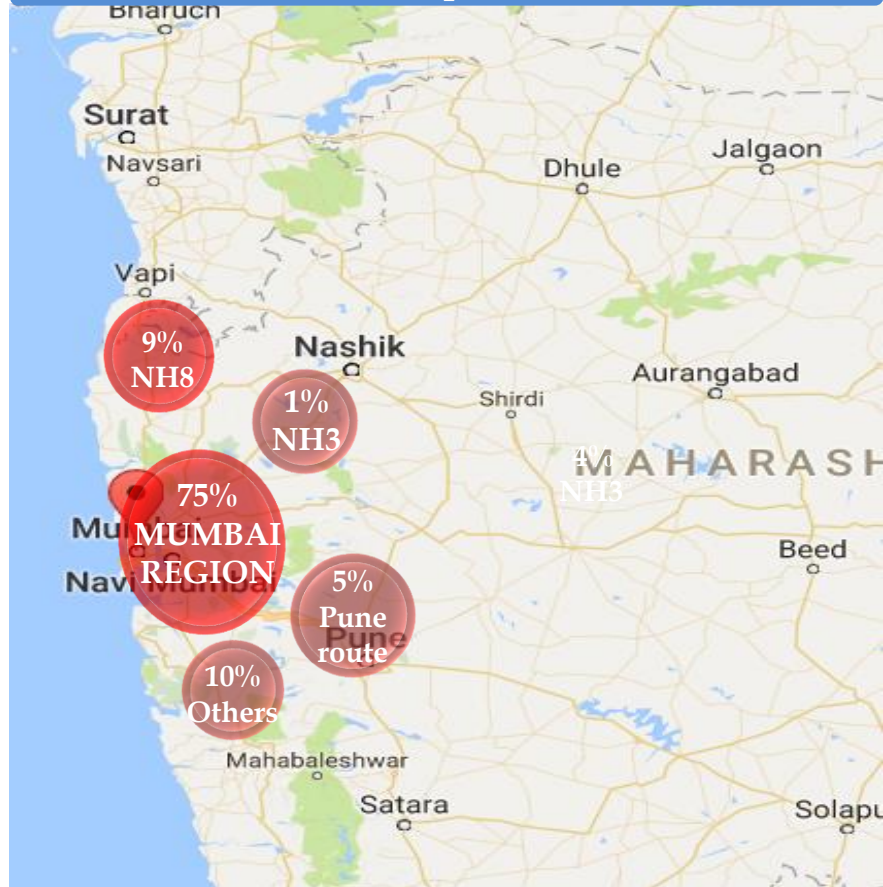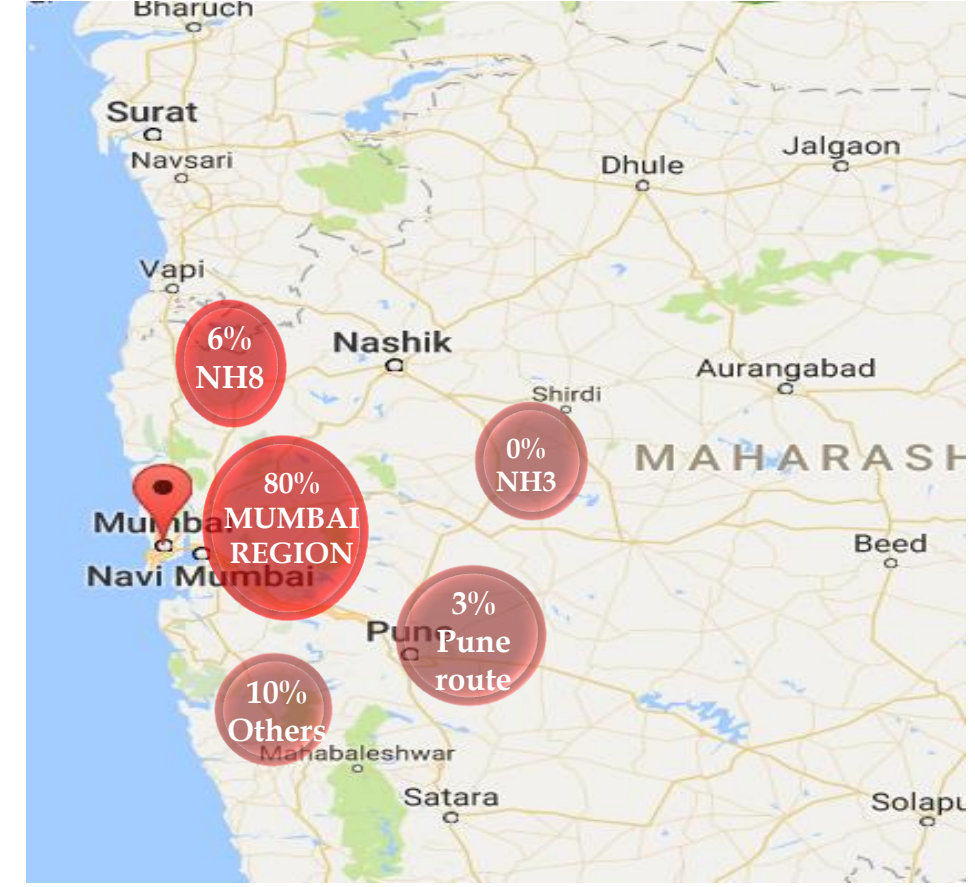| Region	Dec'22	Jan'23
Mumbai region	79%	80%
NH3	0%	0%
Pune	4%	3%
NH8	7%	6%
others	10%	10%

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

CFS Delivery Time Analysis – All CFS in Mumbai to JNPA Port

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

CFS Out – Port In (Export Cycle) – Jan'23 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Punjab Conware CFS, Navi Mumbai	-	0.6	1.2	0.8	0.8
JWC Logistics Park CFS	-	2.8	2.7	2.2	2.8
Dronagiri Rail Terminal CFS, Navi Mumbai	-	0.6	1.1	1.2	1.2
Navkar Corporation Yard 2 CFS, Panvel	-	30.6	3.9	3.1	3.2
Vaishno Logistics CFS, Navi Mumbai	-	1.2	1.1	1.2	1.6
Speedy Multimode CFS, JNPT	-	1.0	1.3	1.5	1.3
Navkar Corporation Yard 3 CFS, Panvel	-	3.2	3.1	3.0	3.9
Ashte Logistics CFS, Panvel	-	2.6	2.7	2.8	2.8
Continental Warehousing CFS, Navi Mumbai	-	0.7	0.9	0.7	1.0
SBW Logistics CFS, Navi Mumbai	-	3.8	4.9	-	3.4
Maharashtra State Corp CFS	-	0.6	0.7	0.6	0.8
International Cargo Terminal CFS	-	1.4	1.4	1.3	1.4
Seabird CFS, Navi Mumbai	-	1.9	2.1	1.5	2.4
Apollo Logisolutions CFS, Panvel	-	3.6	6.9	7.7	4.4
Ameya Logistics CFS, Navi Mumbai	-	2.1	2.1	1.9	2.2
AllCargo Logistics	-	3.3	3.4	3.4	3.0
Ocean Gate CFS, Panvel	-	3.9	3.9	3.5	3.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	2.9	2.9	2.4	3.0
Kerry Indev Logistics Pvt Ltd CFS	-	3.3	2.6	2.9	3.2
APM (Maersk India) CFS, Navi Mumbai	-	1.8	1.5	1.8	1.8

CFS Delivery Time Analysis – JNPA Terminals to CFS

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

Port Out – CFS In (Import Cycle) – Jan'23 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	-	2.4	2.4	2.2	2.4
APM (Maersk India) CFS, Navi Mumbai	-	2.3	2.1	2.2	2.3
International Cargo Terminal CFS	-	1.9	1.6	1.5	1.7
Ameya Logistics CFS, Navi Mumbai	-	2.2	2.2	2.0	2.3
AllCargo Logistics	-	3.5	3.4	3.4	3.1
Kerry Indev Logistics Pvt Ltd CFS	-	3.3	2.6	2.9	3.3
Navkar Corporation Yard 3 CFS, Panvel	-	3.3	3.1	3.0	3.9
Seabird CFS, Navi Mumbai	-	2.4	3.1	2.3	3.0
Ashte Logistics CFS, Panvel	-	2.7	2.7	2.8	2.8
Continental Warehousing CFS, Navi Mumbai	-	1.7	1.7	1.7	1.8
Dronagiri Rail Terminal CFS, Navi Mumbai	-	2.6	3.2	3.0	3.8
Navkar Corporation Yard 1 CFS, Panvel	-	2.8	4.1	2.8	4.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	3.5	3.1	2.8	3.3
Maersk Annex (APM)CFS, Navi Mumbai	-	2.3	2.3	2.2	2.5
Speedy Multimode CFS, JNPT	-	2.1	2.1	3.1	1.9
Apollo Logisolutions CFS, Panvel	-	3.6	6.9	7.7	4.4
Navkar Corporation Yard 2 CFS, Panvel	-	3.6	3.9	3.1	3.2
Punjab Conware CFS, Navi Mumbai	-	2.0	1.9	2.1	2.0
Vaishno Logistics CFS, Navi Mumbai	-	2.0	2.6	2.4	2.2
JWC Logistics Park CFS	-	3.0	2.7	2.2	2.8
SBW Logistics CFS, Navi Mumbai	-	3.8	4.9	2.3	3.4
Ocean Gate CFS, Panvel	-	3.9	3.9	3.5	3.7
Maharashtra State Corp CFS	-	2.4	1.9	2.0	1.6

JNPA 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 Jan'23				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.1	1.0
Cluster 2	6	13	-	-
Cluster 3	6	11	2.4	0.6
Cluster 4	1	13	2.0	1.2
Cluster 5	2	25	3.4	3.3
Cluster 6	6	25	3.3	3.3
Cluster 7	4	12	2.2	2.1
Cluster 8	1	34	3.8	3.8

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Jan'23				
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	-	-
Cluster 2	6	13	-	-
Cluster 3	6	11	-	-
Cluster 4	1	13	-	-
Cluster 5	2	25	-	-
Cluster 6	6	25	-	-
Cluster 7	4	12	-	-
Cluster 8	1	34	-	-

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**

JNPA 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 Jan'23				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.1	1.3
Cluster 2	6	13	-	-
Cluster 3	6	11	2.5	1.1
Cluster 4	1	13	2.6	1.1
Cluster 5	2	25	3.3	3.3
Cluster 6	6	25	3.5	3.1
Cluster 7	4	12	2.2	2.1
Cluster 8	1	34	4.9	4.9

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Jan'23				
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	1.5
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	1.0
Cluster 4	1	13	2.4	1.2
Cluster 5	2	25	2.9	2.8
Cluster 6	6	25	3.0	3.0
Cluster 7	4	12	2.0	1.9
Cluster 8	1	34	2.3	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Jan'23				
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	1.3
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	1.0
Cluster 4	1	13	2.2	1.6
Cluster 5	2	25	3.3	3.2
Cluster 6	6	25	3.6	3.2
Cluster 7	4	12	2.3	2.2
Cluster 8	1	34	3.4	3.4

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**

The below tables depict the Port Dwell Time Performance at JNPA Port for Train bound containers in Import Cycle based on the next destination city:
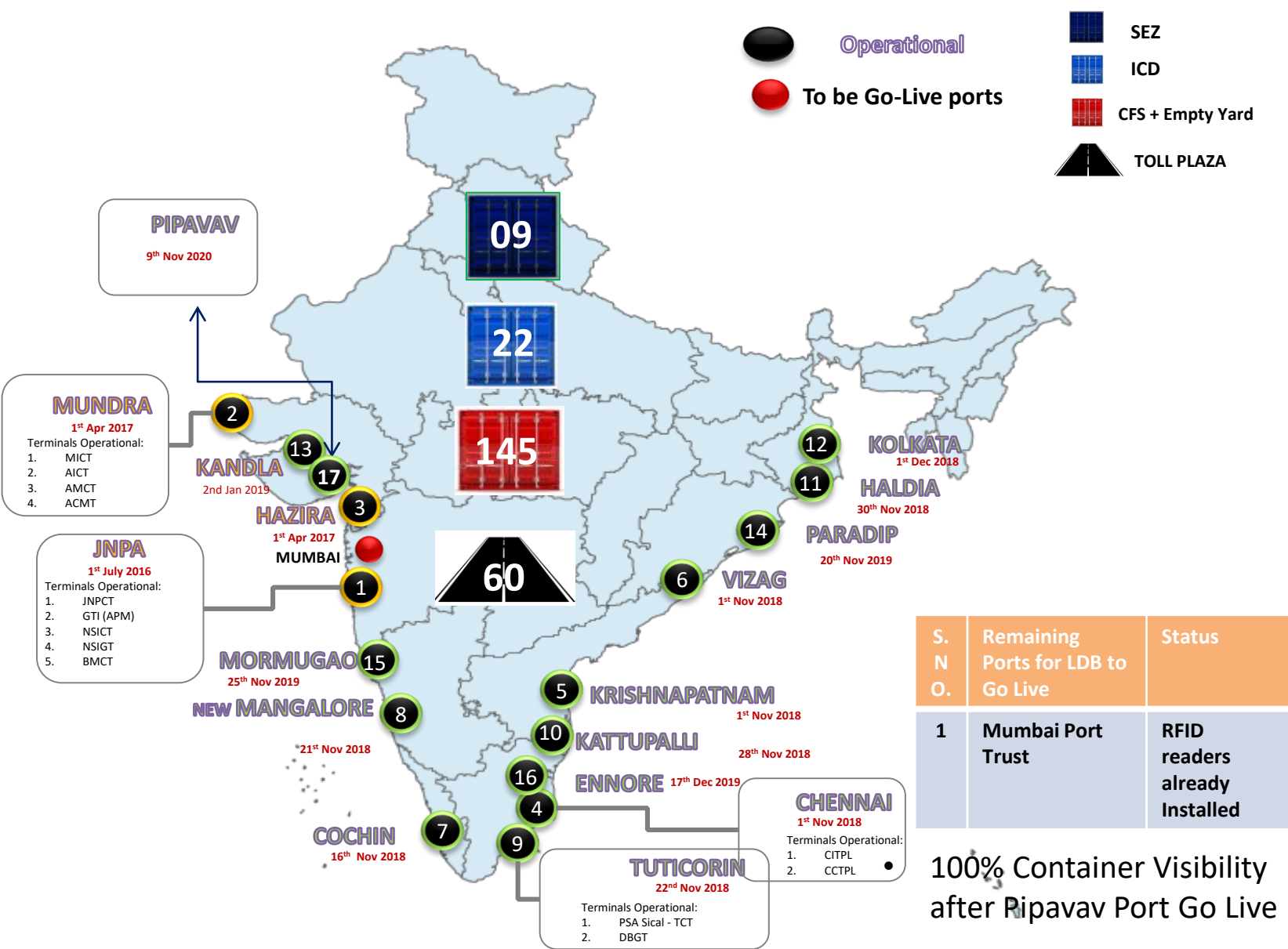
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
Agra	74.3	23.3	-	91.2	-	54.0
Ankaleshwar	74.8	55.6	-	38.4	-	60.6
Ballabhgarh	260.1	49.7	-	-	-	177.8
Bangalore	-	38.7	-	-	-	38.7
Baroda	-	52.1	-	100.7	41.7	53.1
Boisar	91.8	-	-	107.2	113.2	102.0
Dadri	48.1	-	-	68.9	52.6	52.1
Daulatabad	154.1	58.2	-	146.4	157.0	134.7
Faridabad	138.3	300.8	-	258.6	99.1	214.7
Guhati	182.3	135.1	-	177.9	181.3	175.9
Indore	103.1	-	-	85.8	69.0	77.6
Jaipur	42.5	24.9	-	103.0	133.5	35.2
Kanpur	90.6	57.9	-	220.0	103.4	111.0
Khatuwas	37.6	29.2	-	-	-	29.3
Khodiyar	63.0	61.6	-	57.8	198.1	67.1
Khopate	19.1	-	-	-	-	19.1
Ludhiana	148.4	25.2	-	51.0	78.3	45.4
Malanpur	144.4	101.0	-	62.5	111.9	111.8
Mandideep	35.3	-	-	58.7	66.9	58.8
Moradabad	109.5	28.5	-	48.2	33.3	47.4
Nagpur	118.6	75.5	-	200.6	138.8	124.0
Navi Mumbai	15.4	22.8	-	17.8	18.2	17.3
Pantnagar	-	-	-	25.3	-	25.3
Patparganj	82.6	42.1	-	-	-	63.2
Raipur	-	-	-	260.0	-	260.0
Sanatnagar	106.6	-	-	81.0	-	94.6
Thimmapur	150.9	-	-	189.6	206.5	180.0
Tughlakabad	36.2	-	-	69.0	58.2	42.5
Umbergaon	131.9	-	-	79.7	71.8	101.3

The below tables depict the Port Dwell Time Performance at JNPA Port for Truck bound containers in Import Cycle based on the next destination CFS:

Destination-wise Dwell Time (in hrs) – Truck

CFS	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
AllCargo Logistics	25.4	-	-	11.6	15.7	17.7
Ameya Logistics CFS, Navi Mumbai	19.1	-	-	16.8	21.4	18.8
APM (Maersk India) CFS, Navi Mumbai	20.5	16.4	-	16.6	25.2	21.9
Apollo Logisolutions CFS, Panvel	21.1	13.0	-	14.2	14.0	16.0
Ashte Logistics CFS, Panvel	16.4	13.4	-	11.9	14.2	14.2
Balmer & Lawrie CFS, Navi Mumbai	19.4	15.1	-	18.2	20.3	18.0
Continental Warehousing CFS, Navi Mumbai	16.0	11.6	-	15.5	16.8	14.0
CWC Impex Park	18.0	14.0	-	18.4	20.3	16.3
Dronagiri Rail Terminal CFS, Navi Mumbai	36.0	22.8	-	21.8	-	27.2
EFC Logistics	19.1	17.1	-	19.6	21.4	18.8
Gateway Distriparks CFS, Navi Mumbai	21.2	16.1	-	18.8	22.6	19.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	9.5	16.1	12.5
JWC Logistics Park CFS	16.3	11.9	-	14.8	18.8	14.7
Kerry Indev Logistics Pvt Ltd CFS	25.1	17.5	-	20.6	22.5	21.0
Maharashtra State Corp CFS	26.4	18.5	-	15.3	21.2	18.6
Navkar Corporation	16.0	9.0	-	11.0	14.7	12.0
Ocean Gate CFS, Panvel	17.8	13.7	-	15.7	16.8	15.5
Sarveshwar Logistics	15.9	9.5	-	13.2	13.0	12.4
SBW Logistics CFS, Navi Mumbai	26.7	-	-	37.5	-	27.8
Seabird CFS, Navi Mumbai	20.1	-	-	21.6	22.6	21.3
Speedy Multimode CFS, JNPT	16.8	-	-	20.0	16.5	17.3
Take Care Logistics	17.7	13.7	-	16.2	16.7	16.8
TG Terminals	23.0	-	-	20.2	21.3	21.4
Vaishno Logistics CFS, Navi Mumbai	26.5	21.0	-	21.6	23.7	22.8

LDB Operations Snapshot

Legend:
- ⬤ Operational
- 🔴 To be Go-Live ports
- 🟦 SEZ
- 🟦 ICD
- 🟥 CFS + Empty Yard
- 🔺 TOLL PLAZA

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

JNPA — 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

Map numbers: 09, 22, 145, 60, 17

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
(JNPA Area)
- Speedy Multimode CFS,JNPA

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

THANK YOU