





Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Jul'23 (in hrs)	Aug'23 (in hrs)	Port	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	22.7	20.4	NSFT	76.1	69.0
NSICT	22.7	20.3	NSICT	61.8	58.5
GTI	15.5	16.4	GTI	71.4	74.8
NSIGT	22.6	20.4	NSIGT	89.5	85.2
BMCT	21.4	21.2	BMCT	67.6	66.2

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance in Import Cycle and Export Cycle has improved from the previous month.
- Overall container handling performance at CFS and ICD has deteriorated from the previous month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Aug'23	19.8 hrs 	70.6 hrs 	84.5 hrs 	130.4 hrs 
Jul'23	20.3 hrs	71.8 hrs	80.5 hrs	120.0 hrs

Port Dwell Time

IMPORT

Mode	Jul'23 (in hrs)	Aug'23 (in hrs)
Overall	33.1	25.7
Truck	27.9	21.6
Train	65.2	61.3

EXPORT

Mode	Jul'23 (in hrs)	Aug'23 (in hrs)
Overall	81.5	85.7
Truck	77.7	80.7
Train	105.8	118.0

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	Jul'23 (in hrs)	Aug'23 (in hrs)
CFS	89.0	91.4
ICD	120.0	130.4

The marked entries showcase increase in performance in comparison to Jul'23

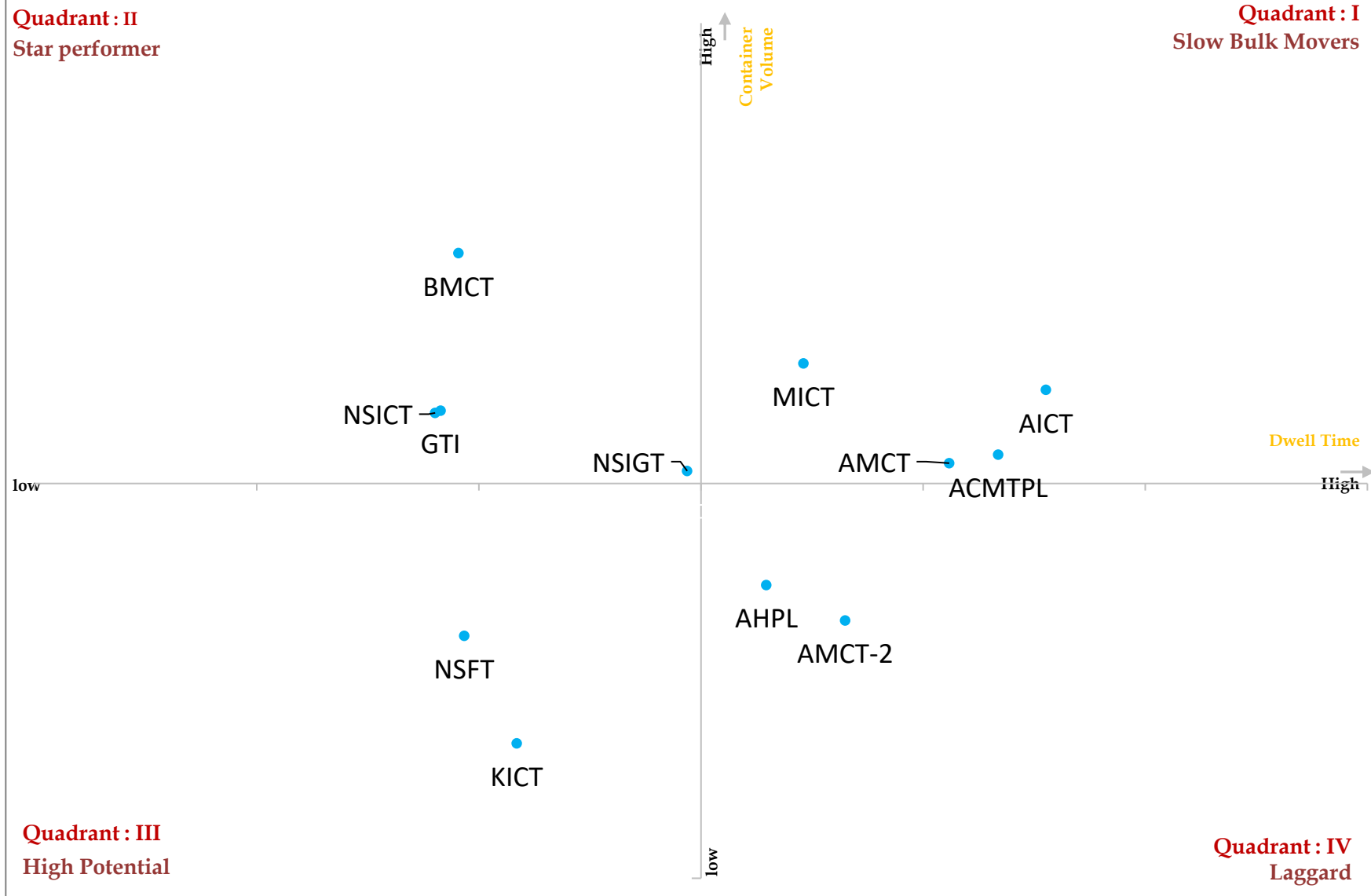
The marked entries showcase Decrease in performance in comparison to Jul'23



Performance Benchmarking - Port Terminals

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

Performance Index - Aug'23



Performance benchmarking for Port Terminals covered under LDB project for Aug'23

Top Performing Terminal

Bharat Mumbai Container Terminals (PSA)

Jul'23	Aug'23
40.5 hrs	36.4 hrs

Low Performing Terminal

Adani Mundra Container Terminal-2 (AMCT-2)

Jul'23	Aug'23
65.3 hrs	68.4 hrs

Note: The performance benchmarking is based on performance index



The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Jul'23

Performance Index- Summary

In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

Star Performer: consist of entities which have catered relatively high container volume in lower dwell time

Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time

High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

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

Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

Mode	Jul'23 (in hrs)	Aug'23 (in hrs)
Overall	20.3	19.8
Truck	17.5	17.5
Train	52.3	44.1

Mode	Jul'23 (in hrs)	Jul'22 (in hrs)
Overall	71.8	70.6
Truck	70.2	69.3
Train	85.0	80.4

Transit Time

Towards ICD

Transit Cycle	Jul'23 (in hrs)	Aug'23 (in hrs)
Port to ICD	111.0	111.1
Port to CFS	2.46	2.54

Towards CFS

From ICD

Transit Cycle	Jul'23 (in hrs)	Jul'22 (in hrs)
ICD to Port	105.3	103.2
CFS to Port	4.57	4.22

From CFS

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

ICD

CFS

Entity	Jul'23 (in hrs)	Aug'23 (in hrs)
CFS	80.5	84.5
ICD	120.0	130.4

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 Jul'23

■ The marked entries showcase the decrease in performance as compared to Jul'23

Container Lifecycle (Export Cycle)

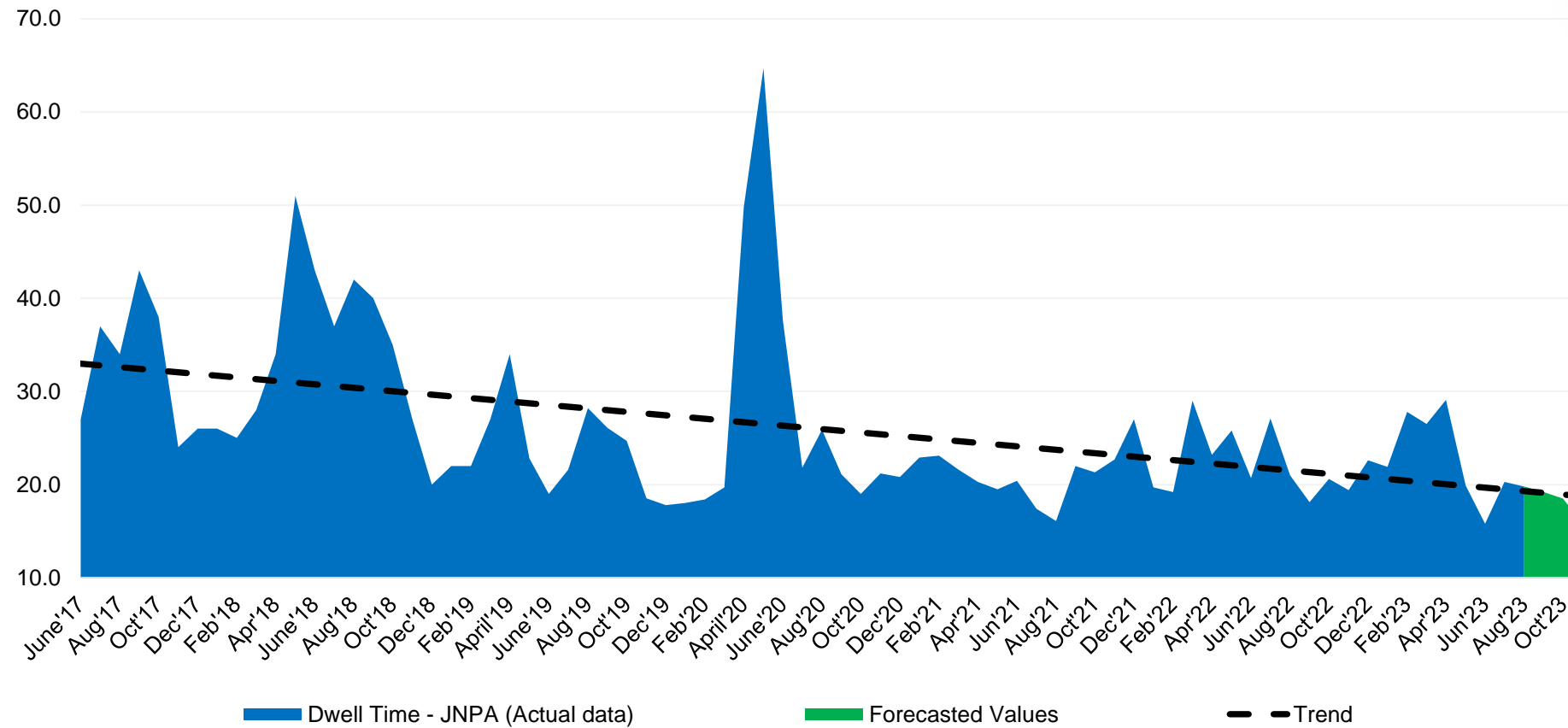
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Aug'23 - in hrs)			Compared to Jul'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	19.8	2.5%	↑
	Port Dwell Time for Truck Bound Containers	17.5	0.0%	
	Port Dwell time for Train Bound Containers	44.1	15.7%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	23.1	7.2%	↑
	Port Dwell time Containers bound for CFS	16.7	1.8%	↑
	Port Dwell for Empty Containers	29.6	0.3%	↓
	Port Dwell for Laden Containers	18.7	3.6%	↑
TRANSIT TIME	Port to ICD	111.1	0.1%	↓
	Port to CFS	2.54	3.3%	↓

EXPORT CYCLE DWELL TIME (Aug'23- in hrs)			Compared to Jul'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	70.6	1.7%	↑
	Port Dwell Time for Truck Bound Containers	69.3	1.3%	↑
	Port Dwell time for Train Bound Containers	80.4	5.4%	↑
	Port Dwell time Direct Port Entry (DPE) containers	74.7	1.2%	↓
	Port Dwell time Containers bound from CFS	71.1	4.3%	↓
	Port Dwell for Empty Containers	61.1	0.8%	↑
	Port Dwell for Laden Containers	74.2	2.8%	↑
TRANSIT TIME	ICD to Port	103.2	2.0%	↑
	CFS to Port	4.22	7.7%	↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Jul'23

JNPA Port – Import Cycle



Observation

Import Cycle

- JNPA dwell time prediction is based on import dwell time i.e. for import bound containers.
- 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 minima in Nov'23.



	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23
Actual Dwell Time (in hours)	15.8	20.3	19.8	-	-	-
Forecasted Dwell Time (in hours)	19.6	18.8	19.1	19.2	18.5	15.8

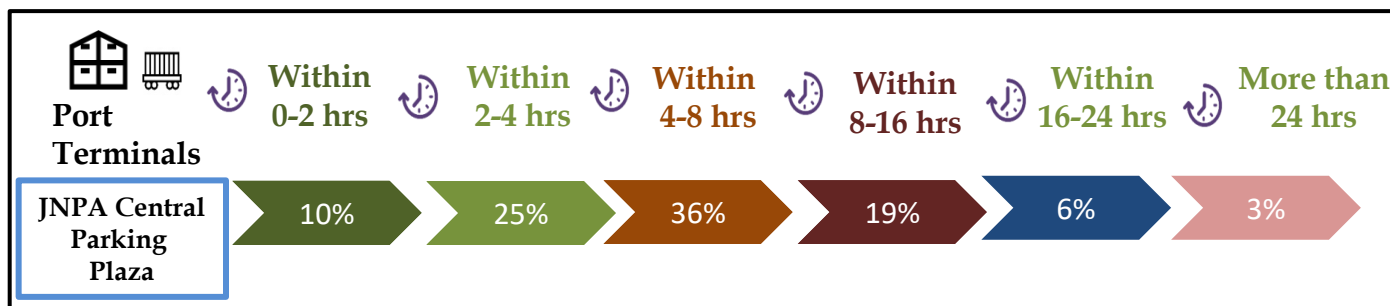
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Jul'23 (in hrs)	Aug'23 (in hrs)
Overall Parking Plaza	5.32	5.26

Container Handled: Day wise (Aug'23)



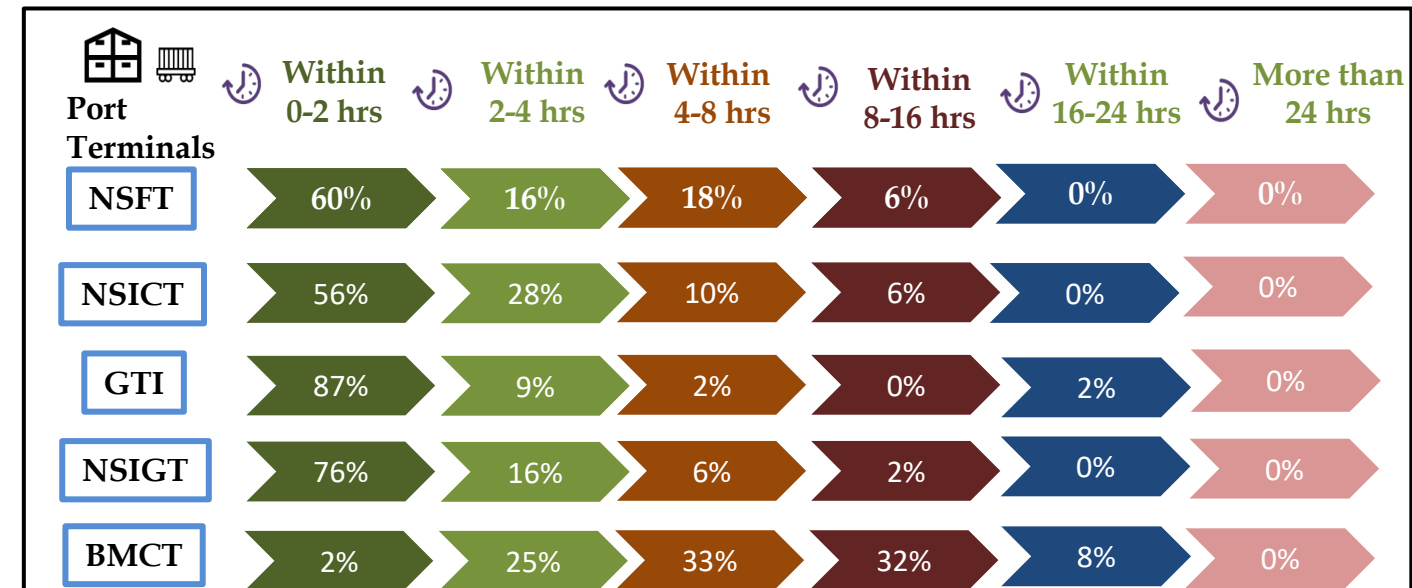
Parking Plaza Gate Out - Terminal In



Mode	Jul'23 (in hrs)	Aug'23 (in hrs)
Overall Parking Plaza to JNPA Port	2.00	1.62

Port	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	4.6	1.5
NSICT	3.1	1.4
GTI	1.0	1.1
NSIGT	0.8	1.2
BMCT	2.9	7.2

Container Handled: Day wise (Aug'23)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra	
Jul'23	Aug'23
83.8 hrs	88.5 hrs

Low Performing CFS

Adani CFS, Hazira	
Jul'23	Aug'23
126.5 hrs	129.8 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

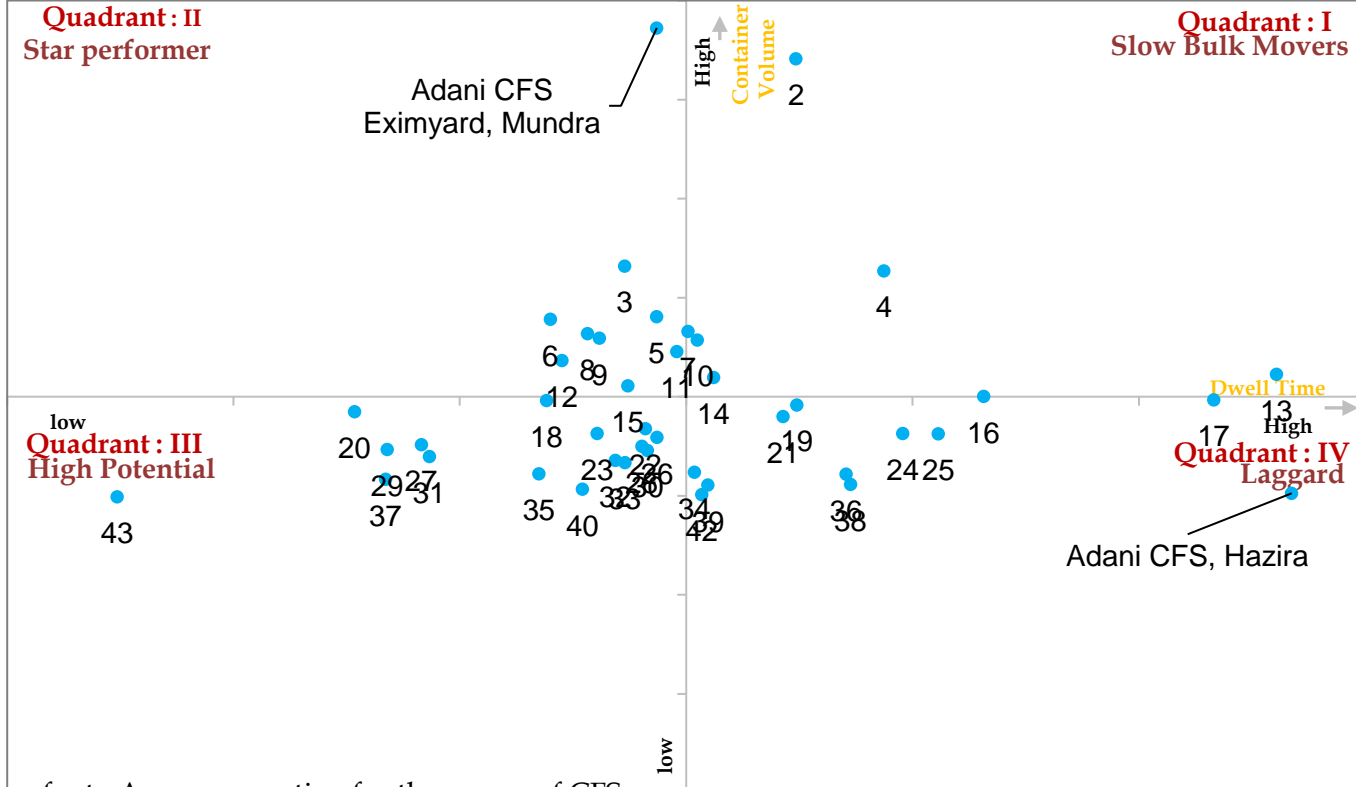
Top Performing ICD

Continental Warehousing Corporation Nhava Sheva Pvt.	
Jul'23	Aug'23
110.5 hrs	102.5 hrs

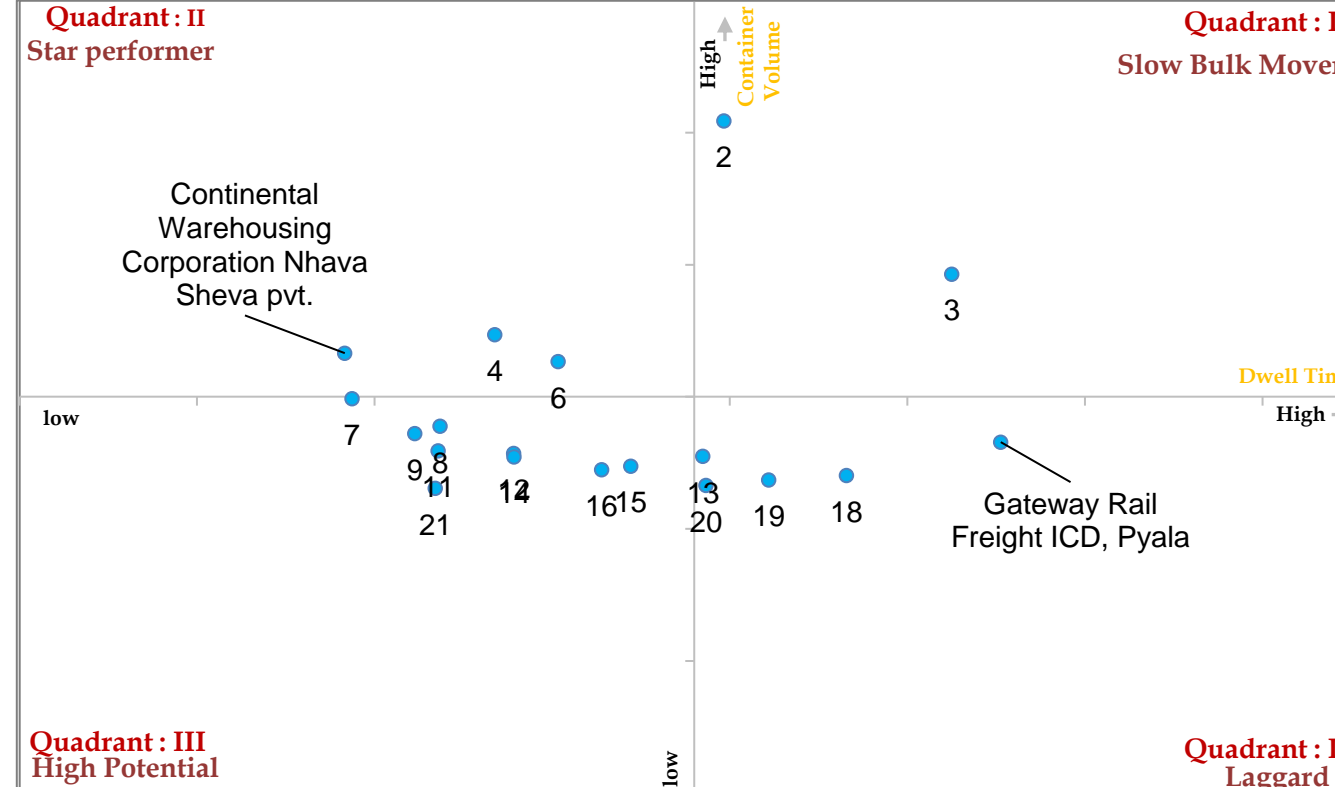
Low Performing ICD

Gateway Rail Freight ICD, Pyala	
Jul'23	Aug'23
146.5 hrs	169.6 hrs

Performance Index: Western Corridor CFS



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Import Cycle)



The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in import cycle via Truck and Train

PORT IMPORT via TRAIN

(17% of total import container volume)

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	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	49.1	36.4
NSICT	49.6	39.9
GTI	43.7	41.1
NSIGT	50.9	46.6
BMCT	60.3	47.4

Container Handled: Day wise (Aug'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
NSFT	35%	24%	14%	12%	10%	5%
NSICT	28%	32%	18%	11%	7%	5%
GTI	25%	32%	16%	11%	10%	6%
NSIGT	21%	31%	20%	12%	9%	8%
BMCT	20%	31%	17%	10%	12%	10%

PORT IMPORT via TRUCK

(83% of total import container volume)

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	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	20.6	19.5
NSICT	20.6	18.5
GTI	13.5	14.3
NSIGT	18.5	17.1
BMCT	18.1	18.9

Container Handled: Day wise (Aug'23)

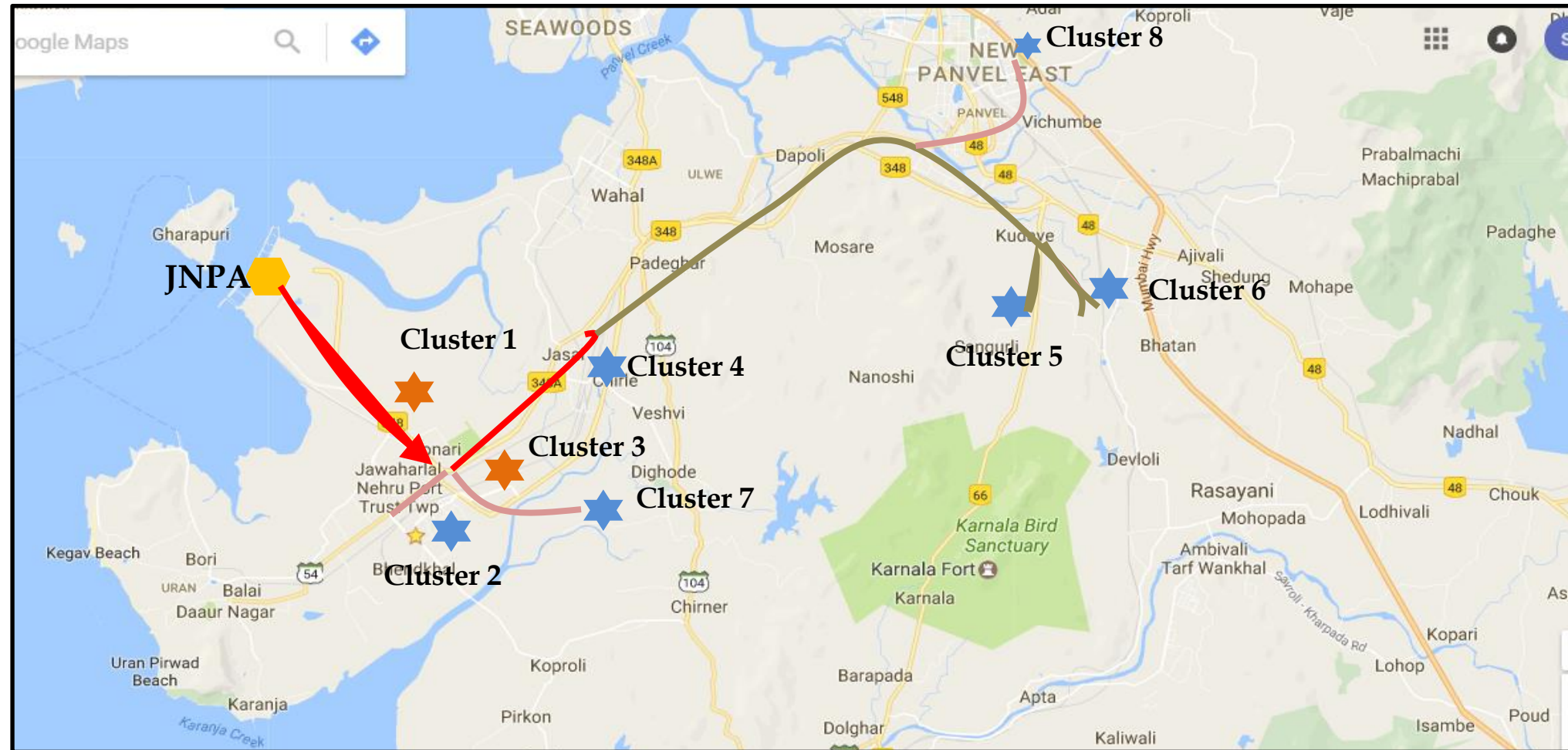
Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	61%	26%	8%	4%	1%	0%
NSICT	63%	27%	7%	2%	1%	0%
GTI	75%	18%	4%	1%	1%	0%
NSIGT	69%	22%	6%	2%	1%	1%
BMCT	63%	26%	7%	2%	1%	0%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

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

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	20.4	17.9	38.5	18.7
NSICT	47.0	16.9	26.8	18.9
GTI	27.4	14.0	28.6	15.8
NSIGT	46.6	16.8	31.6	19.1
BMCT	28.0	18.1	29.2	20.6

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



Clusters with bottleneck

CLUSTER 1	JNPA Area
CLUSTER 3	Sonari area, JNPA road

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate 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 :-

NSFT 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

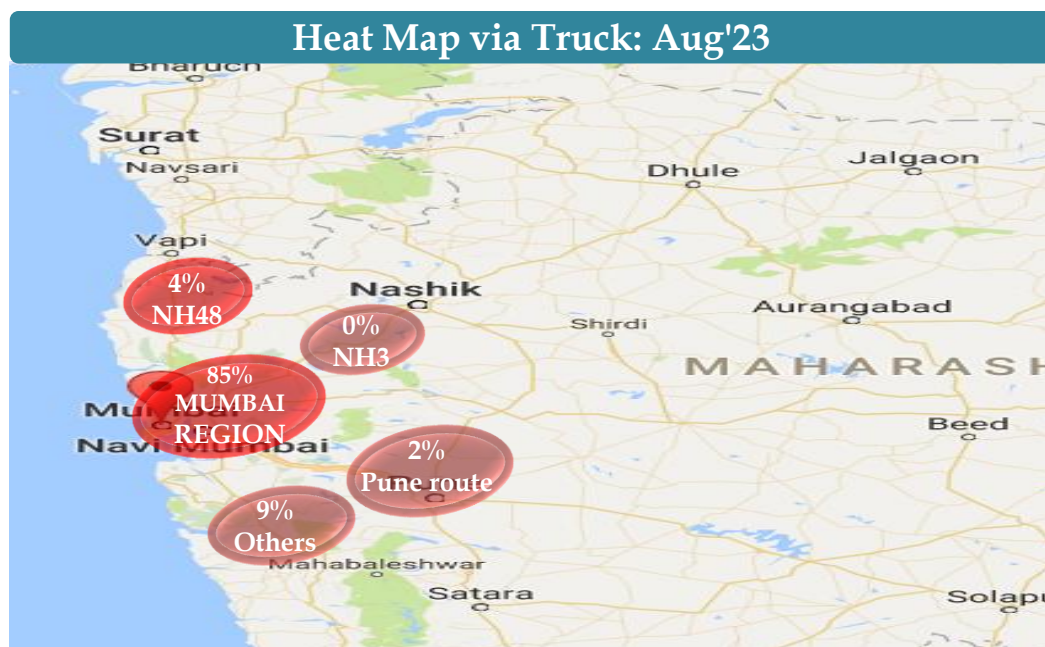
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Aug'23
Mumbai region	85%
NH3	0%
Pune	2%
NH48	4%
Others	9%

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

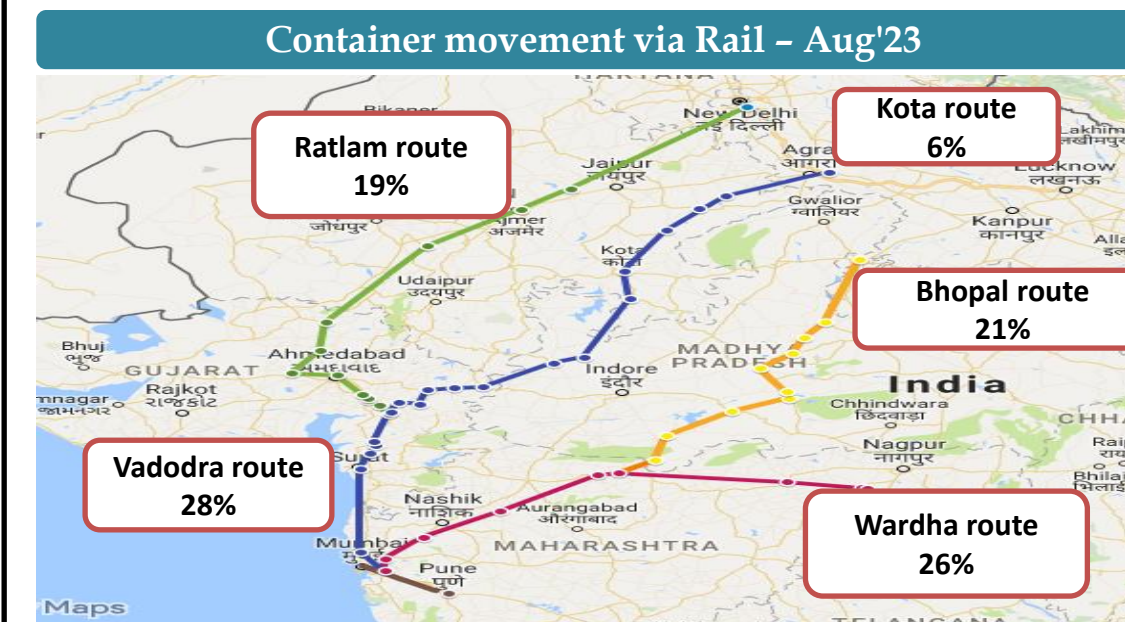


Train

VOLUME WISE CONTAINER MOVEMENT

Region	Aug'23
Vadodra Route	28%
Ratlam Route	19%
Wardha Route	26%
Kota Route	6%
Bhopal Route	21%

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



Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Jul'23 (in km/hrs)	Aug'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	10.9	10.5
	JNPA	Khalapur	60	19.6	5.6
	Khaniwade	Charoti	50	39.4	39.1
	Charoti	Boriach	126	21.1	21.6
	Boriach	Bharthan	142	29.9	30.9
	Bharthan	Vasad	60	36.0	35.3
	Khalalpur	Khedshivpur	105	31.8	22.5



Export Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in export cycle via Truck and Train

PORT EXPORT via TRAIN

(20% of total export container volume)

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	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	130.1	102.1
NSICT	34.2	36.2
GTI	90.6	96.4
NSIGT	108.5	105.7
BMCT	96.6	88.2

Container Handled: Day wise (Aug'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
NSFT	1%	10%	18%	20%	28%	23%
NSICT	43%	12%	11%	10%	11%	14%
GTI	6%	13%	14%	15%	29%	22%
NSIGT	1%	9%	16%	16%	29%	28%
BMCT	5%	11%	23%	15%	18%	27%

PORT EXPORT via TRUCK

(80% of total export container volume)

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	Jul'23 (in hrs)	Aug'23 (in hrs)
NSFT	75.5	68.5
NSICT	66.6	62.8
GTI	68.7	72.1
NSIGT	86.5	81.5
BMCT	64.6	63.3

Container Handled: Day wise (Aug'23)

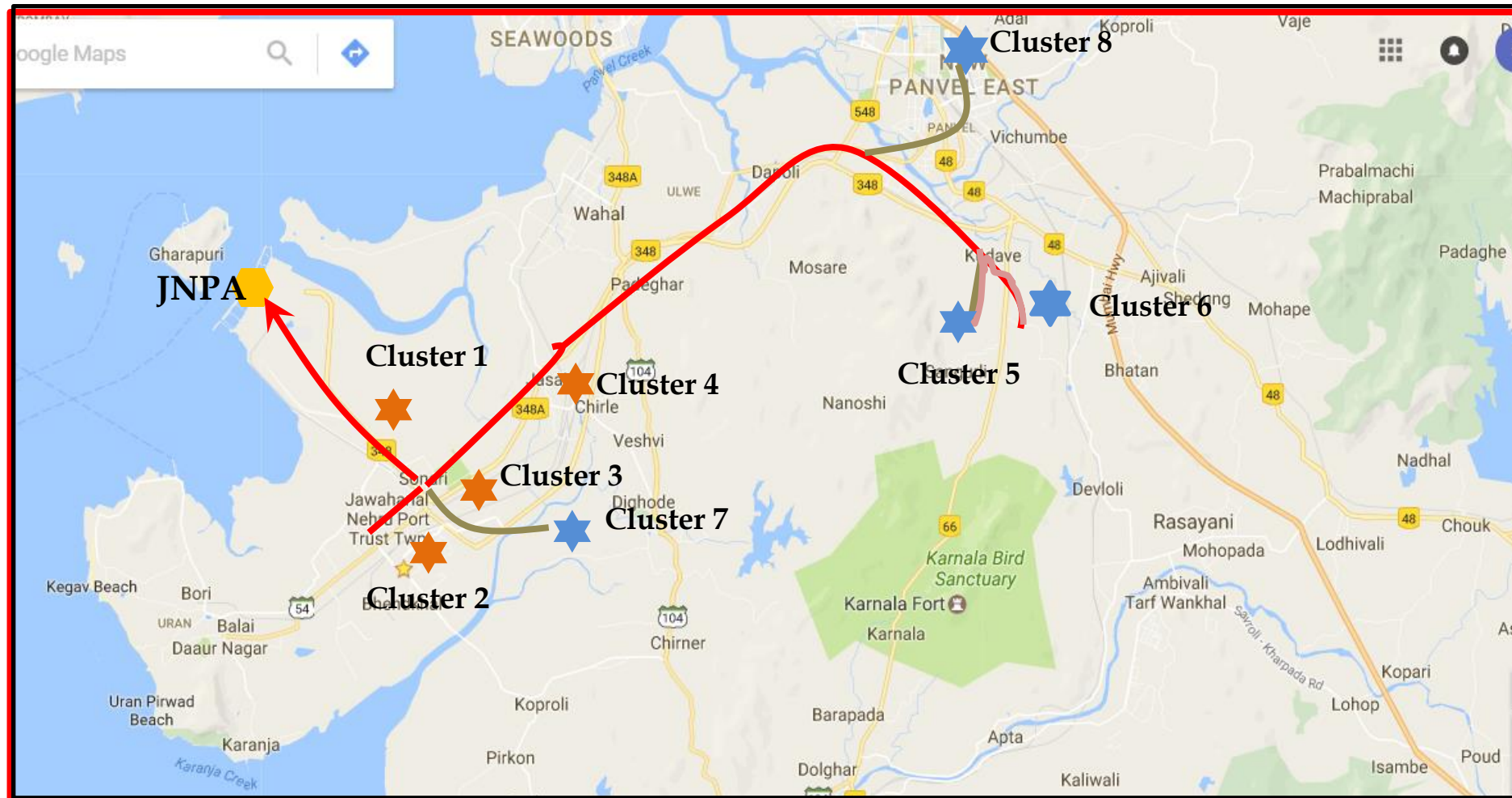
Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	7%	23%	24%	23%	21%	2%
NSICT	8%	24%	29%	24%	13%	2%
GTI	4%	19%	27%	23%	24%	4%
NSIGT	4%	12%	24%	26%	32%	3%
BMCT	6%	26%	27%	25%	14%	1%

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

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	74.8	73.7	45.1	71.8
NSICT	69.0	64.8	52.7	61.6
GTI	73.2	74.9	71.3	76.1
NSIGT	82.2	78.0	63.9	87.0
BMCT	-	65.0	60.2	71.1

JNPA Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck	
CLUSTER 1	JNPA Area
CLUSTER 2	Bhendkhal area, khopate road
CLUSTER 3	Sonari area, JNPA road
CLUSTER 4	Chirle area, JNPA road
Clusters without bottleneck	
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 (Red line)
- Medium Congestion (Orange line)
- Low Congestion (Yellow line)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Export Cycle :- [Red bar]

NSFT Terminal

Congestion Level
Export Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Export Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Export Cycle :- [Red bar]

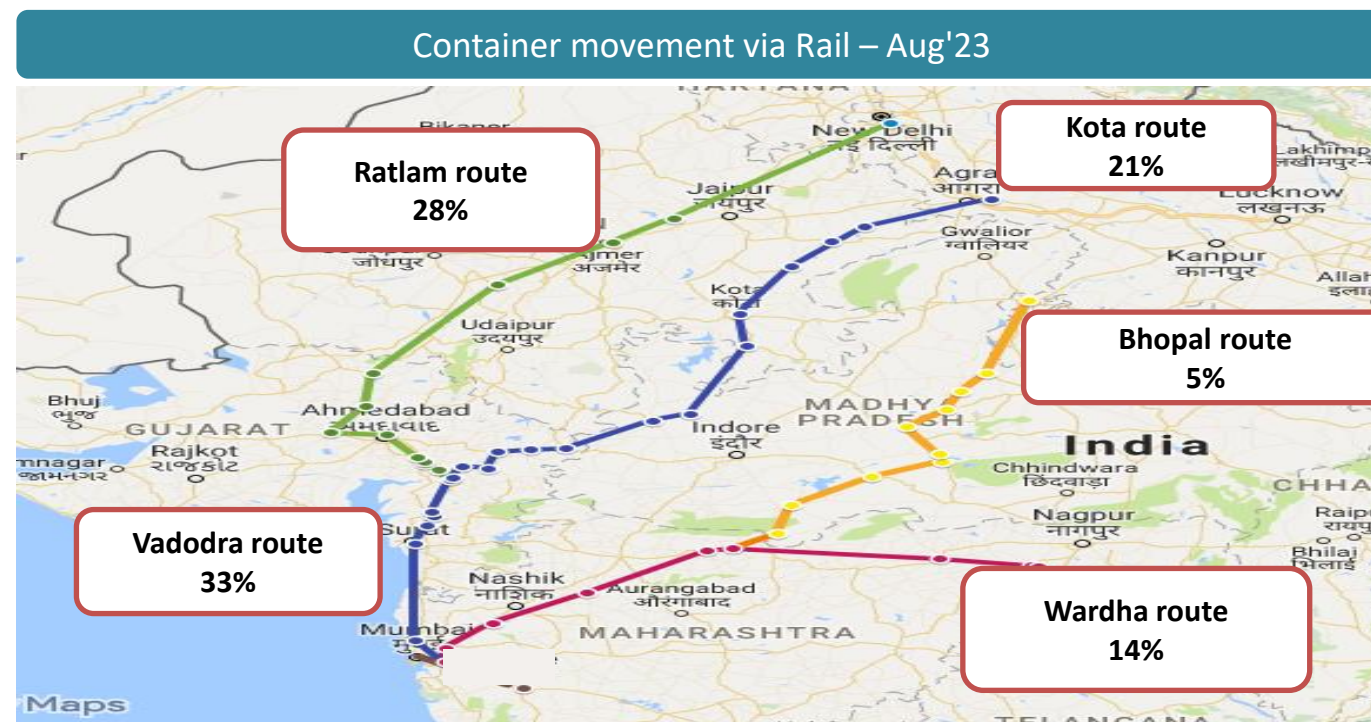
BMCT Terminal

Congestion Level
Export Cycle :- [Red bar]

Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
 2) Analysis consist of CFS covered under LDB project

JNPA Port	
Route	Percentage of Container Movement
Vadodra Route	33%
Ratlam Route	28%
Wardha Route	14%
Kota Route	21%
Bhopal Route	5%

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



CFS and ICD Performance

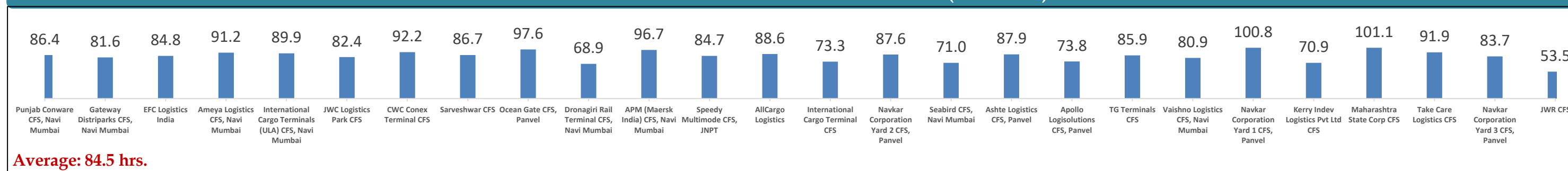
JNPA region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs.)

CFS	Jul'23 (in hrs)	Aug'23 (in hrs)	CFS	Jul'23 (in hrs)	Aug'23 (in hrs)
Punjab Conware CFS, Navi Mumbai	81.5	86.4	International Cargo Terminal CFS	74.8	73.3
Gateway Distriparks CFS, Navi Mumbai	82.8	81.6	Navkar Corporation Yard 2 CFS, Panvel	84.2	87.6
EFC Logistics India	77.1	84.8	Seabird CFS, Navi Mumbai	77.6	71.0
Ameya Logistics CFS, Navi Mumbai	78.2	91.2	Ashte Logistics CFS, Panvel	81.3	87.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	93.8	89.9	Apollo Logisolutions CFS, Panvel	71.3	73.8
JWC Logistics Park CFS	83.6	82.4	TG Terminals CFS	78.9	85.9
CWC Conex Terminal CFS	75.0	92.2	Vaishno Logistics CFS, Navi Mumbai	72.2	80.9
Sarveshwar CFS	85.4	86.7	Navkar Corporation Yard 1 CFS, Panvel	101.9	100.8
Ocean Gate CFS, Panvel	90.4	97.6	Kerry Indev Logistics Pvt Ltd CFS	58.6	70.9
Dronagiri Rail Terminal CFS, Navi Mumbai	75.9	68.9	Maharashtra State Corp CFS	85.8	101.1
APM (Maersk India) CFS, Navi Mumbai	93.0	96.7	Take Care Logistics CFS	96.5	91.9
Speedy Multimode CFS, JNPT	81.6	84.7	Navkar Corporation Yard 3 CFS, Panvel	98.0	83.7
AllCargo Logistics	78.0	88.6	JWR CFS	56.8	53.5

CFS - DWELL OVERVIEW - AUG'23 (IN HRS)

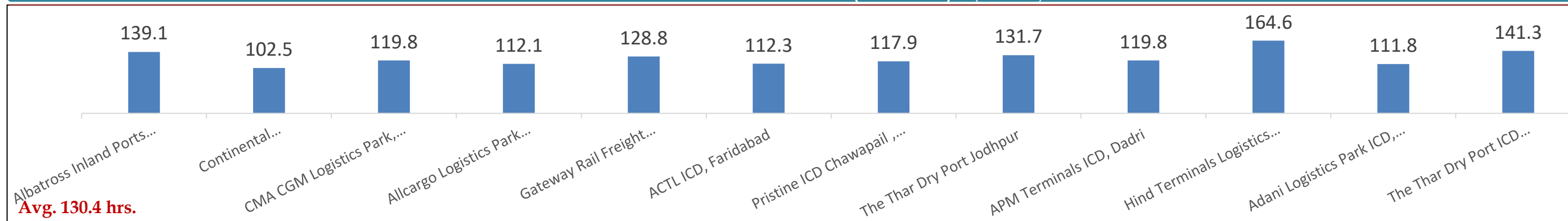


ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Jul'23 (in hrs)	Aug'23 (in hrs)
Albatross Inland Ports ICD, Dadri	118.1	139.1
Continental Warehousing Corporation Nhava Sheva pvt.	110.5	102.5
CMA CGM Logistics Park, Dadri	113.4	119.8
Allcargo Logistics Park ICD, Dadri	99.7	112.1
Gateway Rail Freight ICD, Gurgaon	102.6	128.8
ACTL ICD, Faridabad	116.2	112.3
Pristine ICD Chawapail , Ludhiana	118.0	117.9
The Thar Dry Port Jodhpur	198.5	131.7
APM Terminals ICD, Dadri	104.0	119.8
Hind Terminals Logistics Park ICD, Palwal	127.3	164.6
Adani Logistics Park ICD, Gurgaon	123.8	111.8
The Thar Dry Port ICD Ahmedabad	137.4	141.3

ICD - DWELL OVERVIEW (AUG'23) (In Hrs)

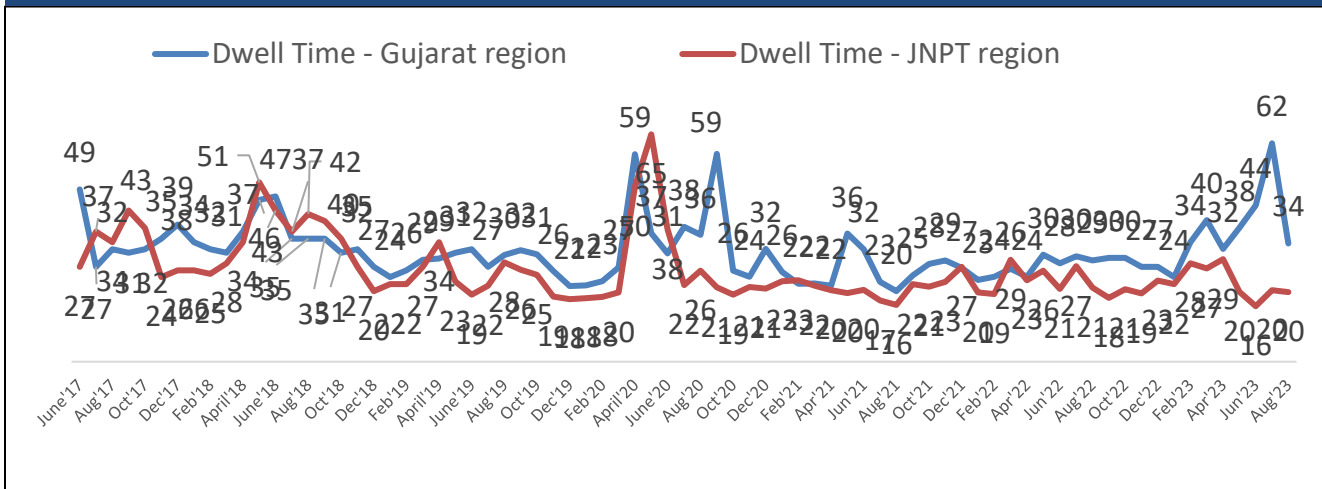


Trend Analysis

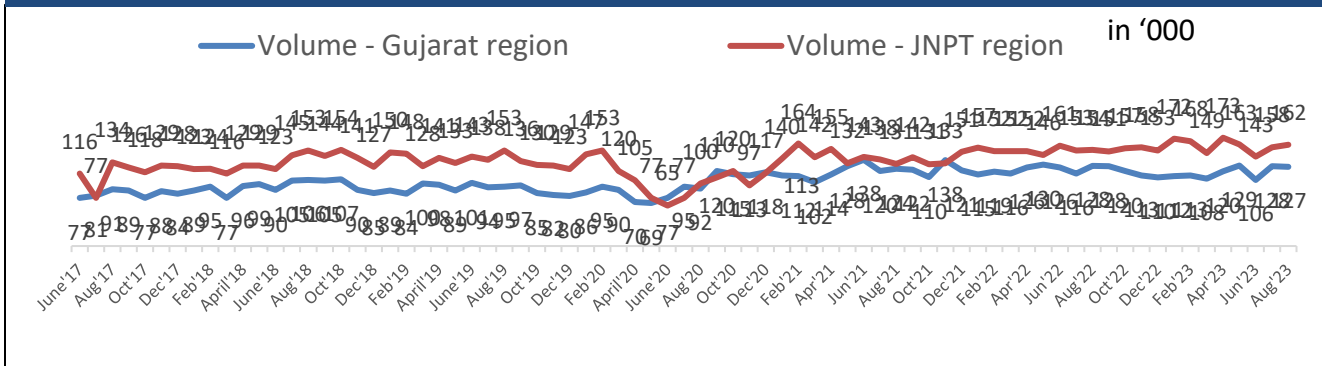
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Aug'23

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



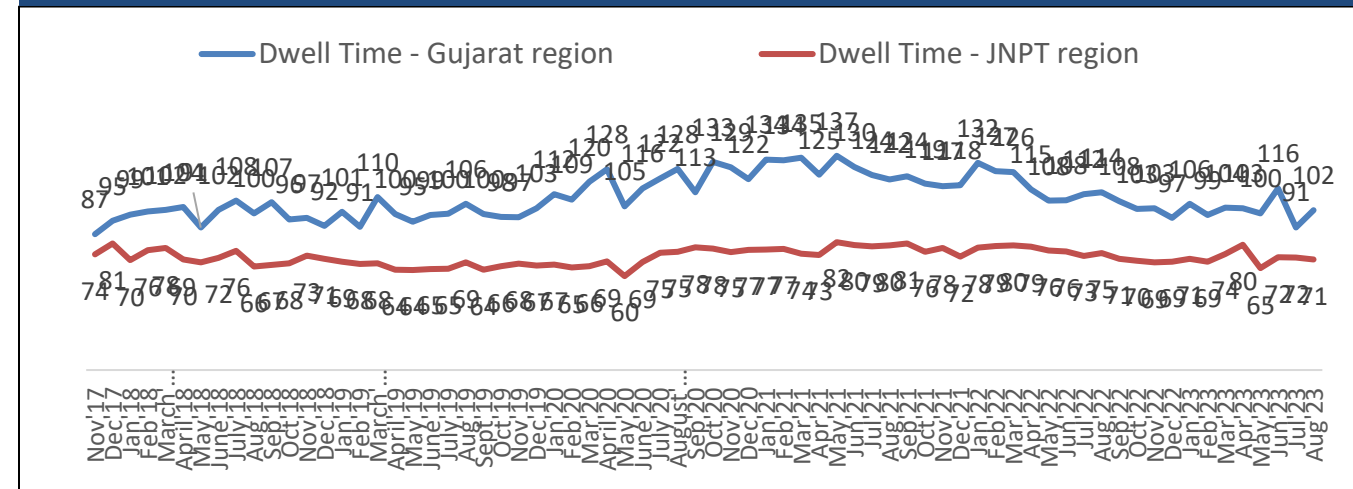
Volume – Mundra Region Vs JNPA Region



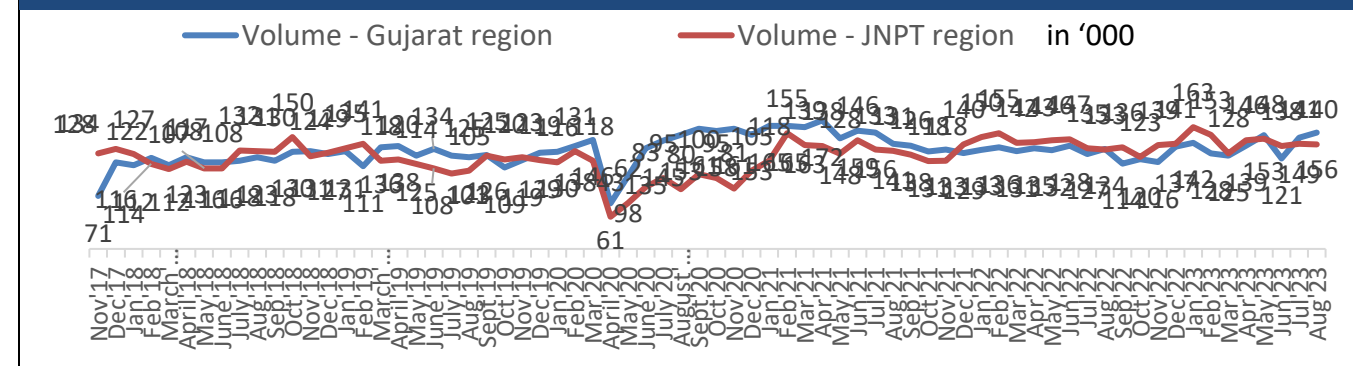
In Import cycle, for the month of Aug'23 Mundra port has catered 21.8% less volume than JNPA Port, and has performed with 69.7% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

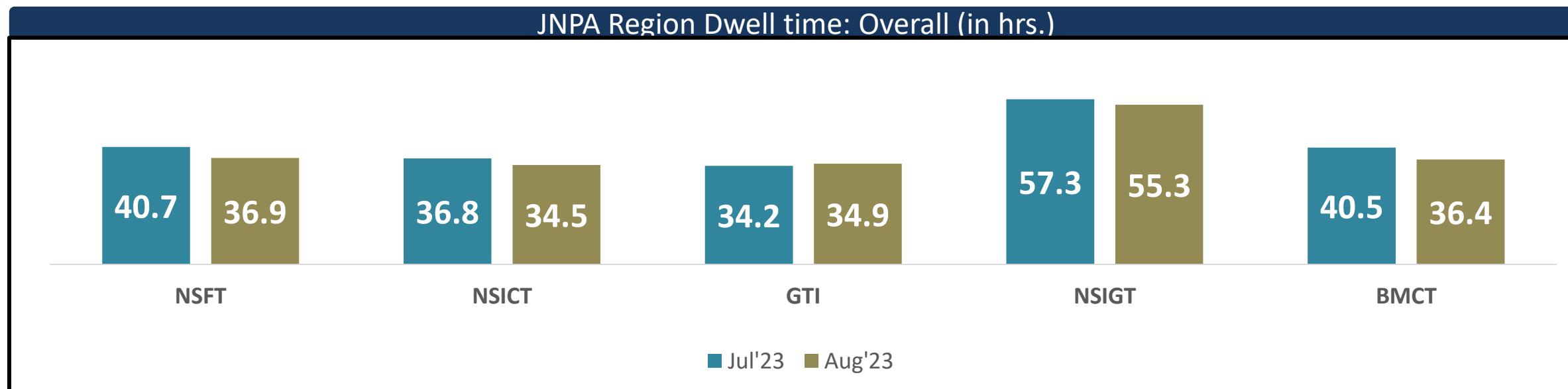


In Export cycle, for the month Aug'23 JNPA port catered 10.1% lower volume than Mundra Port, and has maintained 30.8% lower dwell time than Mundra Port

JNPA PORT DWELL TIME TREND: Month on Month

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

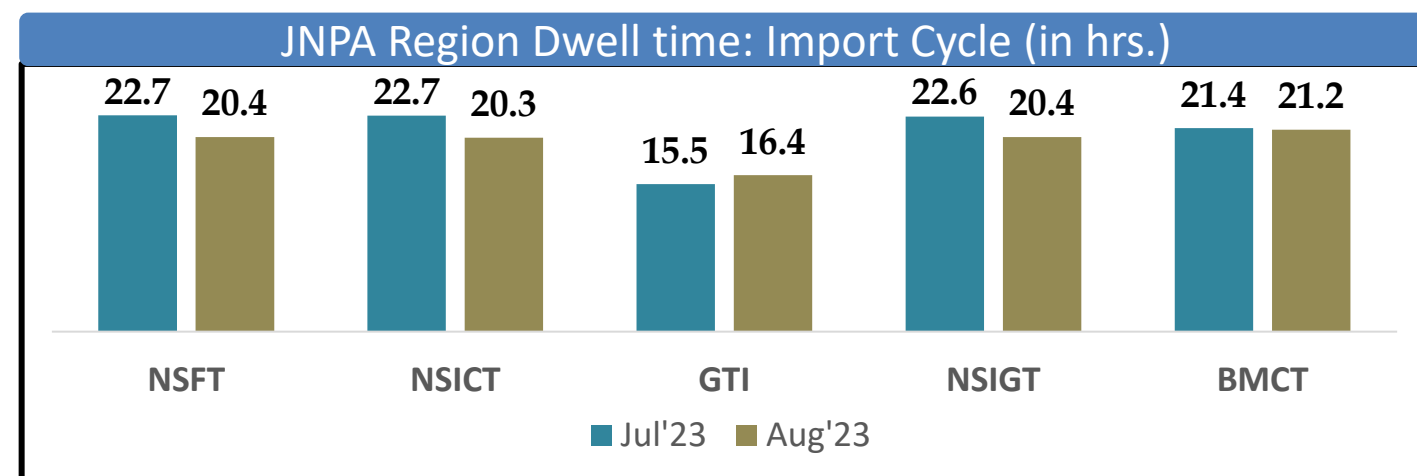


The overall JNPA region average dwell time for Aug'23 is 38.3 hrs as compared to 40.7 hrs in Jul'23

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

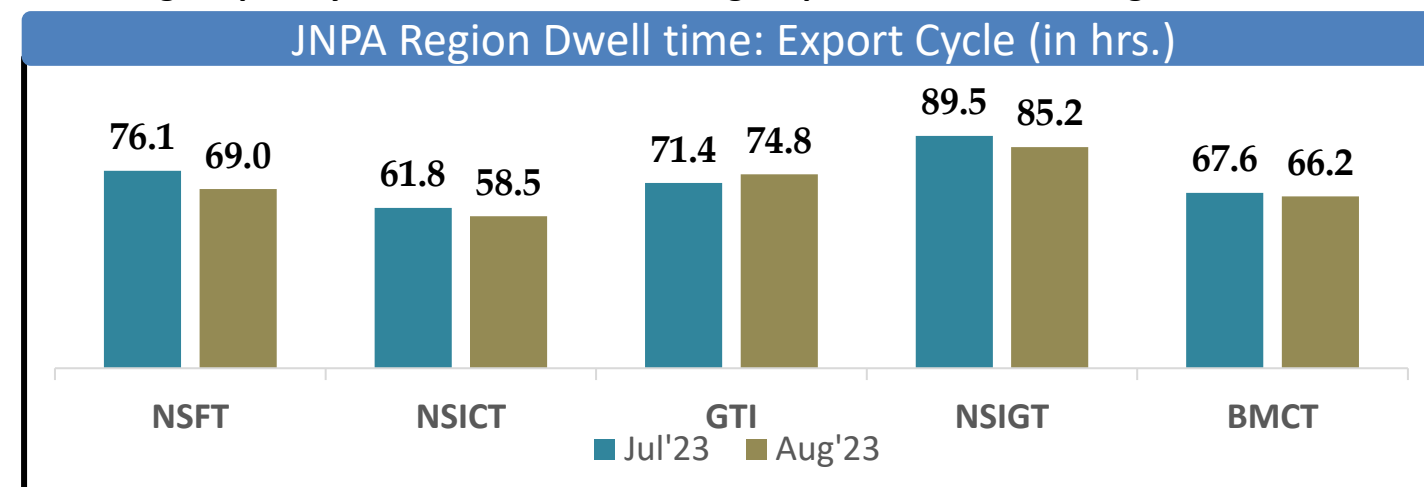
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Aug'23 is 19.8 hrs.



JNPA Export cycle Trend

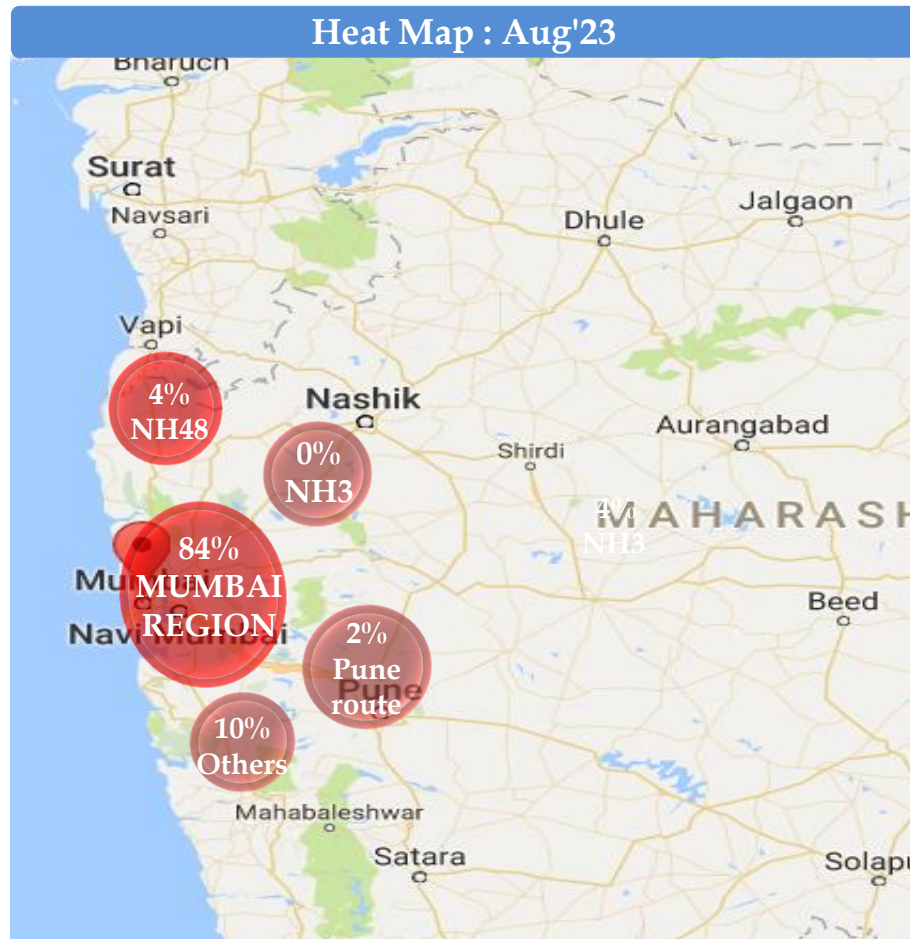
The average export cycle dwell time of JNPA region port terminals for Aug'23 is 70.6 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

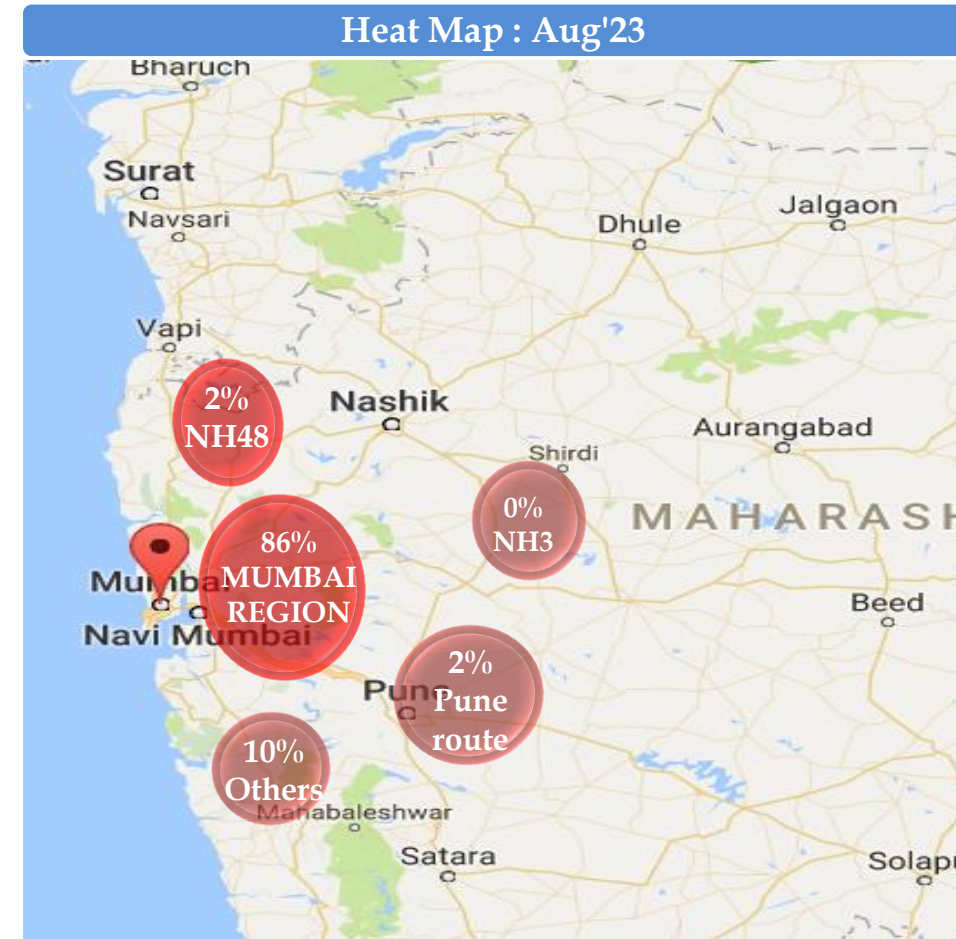
HEAT MAP : GTI Port Terminal



Region	Jul'23	Aug'23
Mumbai region	79%	84%
NH3	0%	0%
Pune	2%	2%
NH48	8%	4%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal

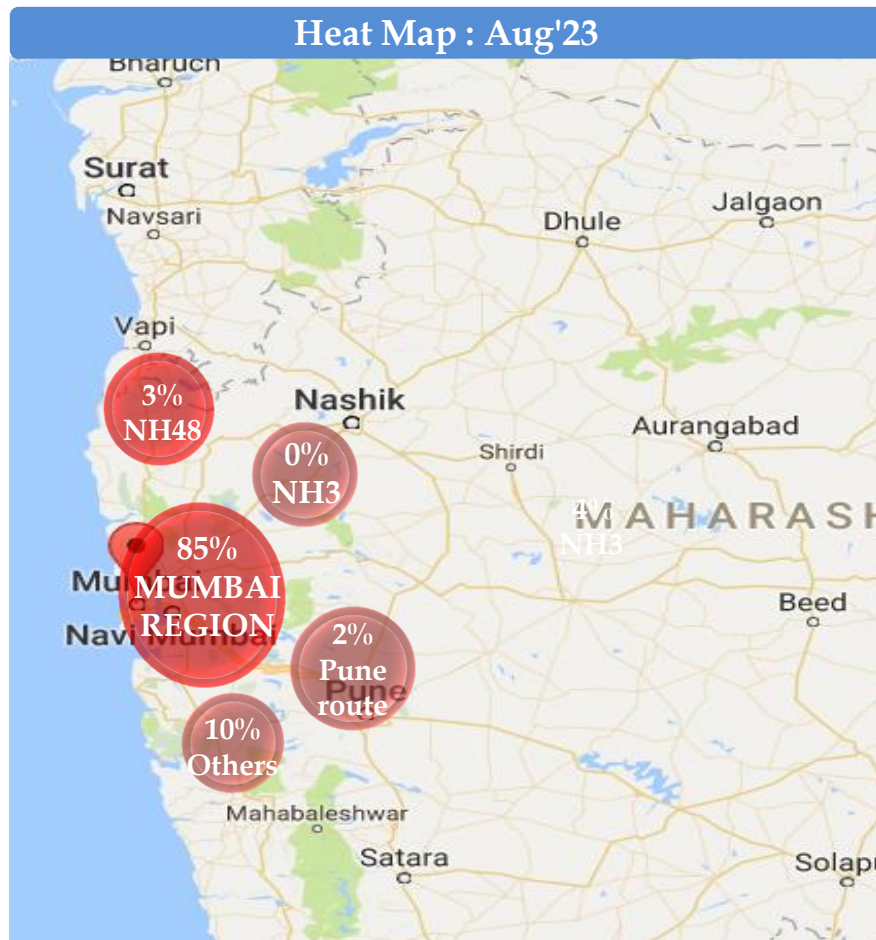


Region	Jul'23	Aug'23
Mumbai region	80%	86%
NH3	0%	0%
Pune	2%	2%
NH48	7%	2%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

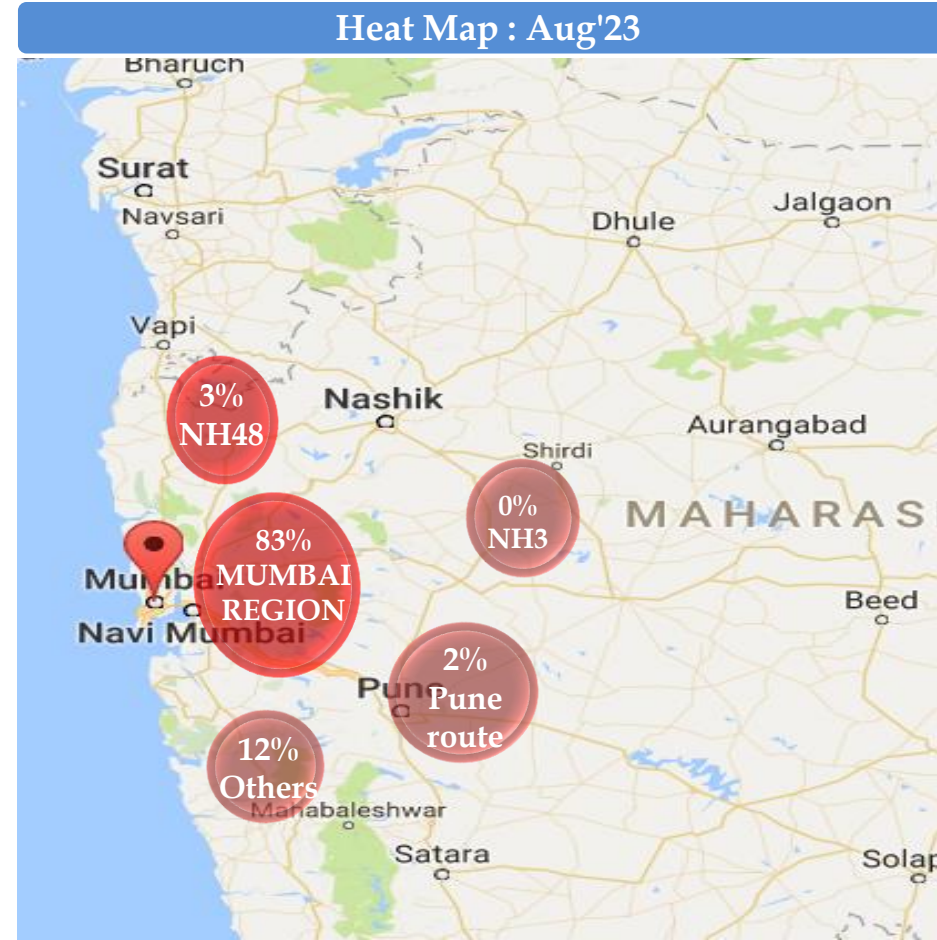
HEAT MAP : NSIGT Port Terminal



Region	Jul'23	Aug'23
Mumbai region	86%	85%
NH3	0%	0%
Pune	1%	2%
NH48	3%	3%
others	10%	10%

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

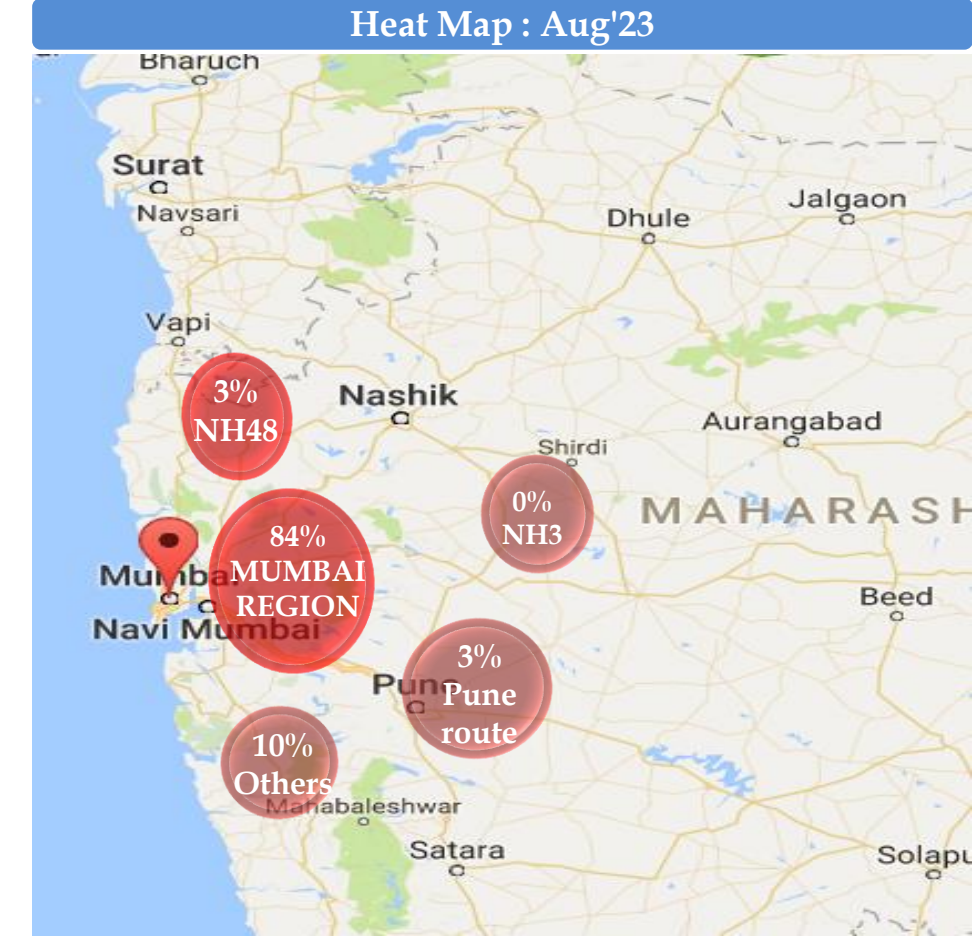
HEAT MAP : NSICT Port Terminal



Region	Jul'23	Aug'23
Mumbai region	85%	83%
NH3	0%	0%
Pune	2%	2%
NH48	3%	3%
others	10%	12%

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

HEAT MAP : BMCT Port Terminal



Region	Jul'23	Aug'23
Mumbai region	86%	84%
NH3	0%	0%
Pune	2%	3%
NH48	2%	3%
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) - Aug'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	4.8	2.5	3.3	4.6	10.1
Punjab Conware CFS, Navi Mumbai	4.6	8.1	6.8	3.3	5.8
JWC Logistics Park CFS	7.2	7.2	3.7	7.1	-
Dronagiri Rail Terminal CFS, Navi Mumbai	4.6	1.5	4.2	1.5	5.7
Navkar Corporation Yard 2 CFS, Panvel	4.9	-	7.9	2.0	10.2
Vaishno Logistics CFS, Navi Mumbai	-	-	-	12.7	-
Speedy Multimode CFS, JNPT	1.3	1.0	2.9	2.4	6.8
Balmer & Lawrie CFS, Navi Mumbai	-	-	-	-	-
Navkar Corporation Yard 3 CFS, Panvel	1.5	3.4	3.3	4.3	7.9
Ashte Logistics CFS, Panvel	2.2	-	-	1.8	4.9
Continental Warehousing CFS, Navi Mumbai	1.3	-	1.1	2.8	8.7
SBW Logistics CFS, Navi Mumbai	-	3.9	-	-	12.9
Maharashtra State Corp CFS	-	-	5.1	4.3	-
International Cargo Terminal CFS	-	-	-	3.5	10.3
Seabird CFS, Navi Mumbai	18.6	1.2	2.8	3.3	3.9
Apollo Logisolutions CFS, Panvel	11.9	1.4	3.4	4.5	6.8
Ameya Logistics CFS, Navi Mumbai	1.7	-	2.9	4.8	7.3
AllCargo Logistics	-	-	-	-	6.7
Ocean Gate CFS, Panvel	3.7	2.5	3.8	3.4	8.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	4.1	-	8.1	2.4	5.2
Kerry Indev Logistics Pvt Ltd CFS	-	2.4	-	1.8	-
APM (Maersk India) CFS, Navi Mumbai	-	1.3	4.1	1.2	7.3

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) - Aug'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.7	2.7	2.4	2.5	2.4
APM (Maersk India) CFS, Navi Mumbai	2.5	2.7	2.2	2.2	2.3
International Cargo Terminal CFS	1.5	1.6	1.7	1.5	1.8
Ameya Logistics CFS, Navi Mumbai	2.5	2.4	2.4	2.4	2.5
AllCargo Logistics	2.9	3.0	2.8	2.8	2.6
Kerry Indev Logistics Pvt Ltd CFS	2.2	2.2	2.1	2.2	2.6
Navkar Corporation Yard 3 CFS, Panvel	3.1	3.0	3.0	2.4	3.0
Seabird CFS, Navi Mumbai	4.5	5.2	3.7	4.4	4.4
Ashte Logistics CFS, Panvel	2.4	2.5	2.2	2.1	2.3
Continental Warehousing CFS, Navi Mumbai	23.7	3.0	2.5	4.2	1.3
Dronagiri Rail Terminal CFS, Navi Mumbai	2.8	5.4	5.7	14.1	1.9
Navkar Corporation Yard 1 CFS, Panvel	2.2	2.7	3.1	2.1	3.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0	3.1	2.2	2.6	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.7	2.7	1.7	1.1	2.2
Speedy Multimode CFS, JNPT	1.9	1.8	1.8	1.7	1.6
Apollo Logisolutions CFS, Panvel	3.0	3.5	3.7	2.9	3.4
Navkar Corporation Yard 2 CFS, Panvel	2.9	3.0	2.7	3.0	3.1
Punjab Conware CFS, Navi Mumbai	1.8	2.3	1.9	1.8	1.8
Vaishno Logistics CFS, Navi Mumbai	1.6	2.2	2.6	2.1	1.9
JWC Logistics Park CFS	3.4	2.9	2.9	2.4	2.8
SBW Logistics CFS, Navi Mumbai	4.8	29.8	5.9	4.9	3.9
Ocean Gate CFS, Panvel	2.6	3.0	3.1	2.8	2.9
Maharashtra State Corp CFS	1.4	2.6	2.7	2.3	1.8

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for GTI and NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Aug'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	1.8	1.0
Cluster 2	6	13	-	-
Cluster 3	6	11	3.9	1.3
Cluster 4	1	13	2.2	-
Cluster 5	2	25	3.0	4.8
Cluster 6	6	25	2.8	1.4
Cluster 7	4	12	3.0	-
Cluster 8	1	34	-	3.9

CFS Cluster : NSFT Terminal

NSFT terminal for month of Aug'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	2.3	4.6
Cluster 4	1	13	1.6	-
Cluster 5	2	25	3.0	5.5
Cluster 6	6	25	2.6	2.2
Cluster 7	4	12	2.9	1.3
Cluster 8	1	34	4.8	-

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for NSICT, NSIGT and BMCT terminal

CFS Cluster : NSICT Terminal

CFS Cluster : NSIGT Terminal

CFS Cluster : BMCT Terminal

NSICT terminal for month of Aug'23

NSIGT terminal for month of Aug'23

BMCT terminal for month of Aug'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	1.8	2.9
Cluster 2	6	13	-	3.3
Cluster 3	6	11	3.2	4.6
Cluster 4	1	13	2.6	-
Cluster 5	2	25	3.0	3.7
Cluster 6	6	25	2.8	3.3
Cluster 7	4	12	2.5	1.1
Cluster 8	1	34	5.9	-

Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.7	2.4
Cluster 2	6	13	-	2.4
Cluster 3	6	11	2.0	3.3
Cluster 4	1	13	2.1	-
Cluster 5	2	25	2.6	5.3
Cluster 6	6	25	2.3	2.0
Cluster 7	4	12	2.8	2.8
Cluster 8	1	34	4.9	-

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	1.6	6.8
Cluster 2	6	13	-	7.3
Cluster 3	6	11	2.0	4.8
Cluster 4	1	13	1.9	-
Cluster 5	2	25	2.8	4.4
Cluster 6	6	25	3.0	6.8
Cluster 7	4	12	2.5	7.3
Cluster 8	1	34	3.9	-

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:

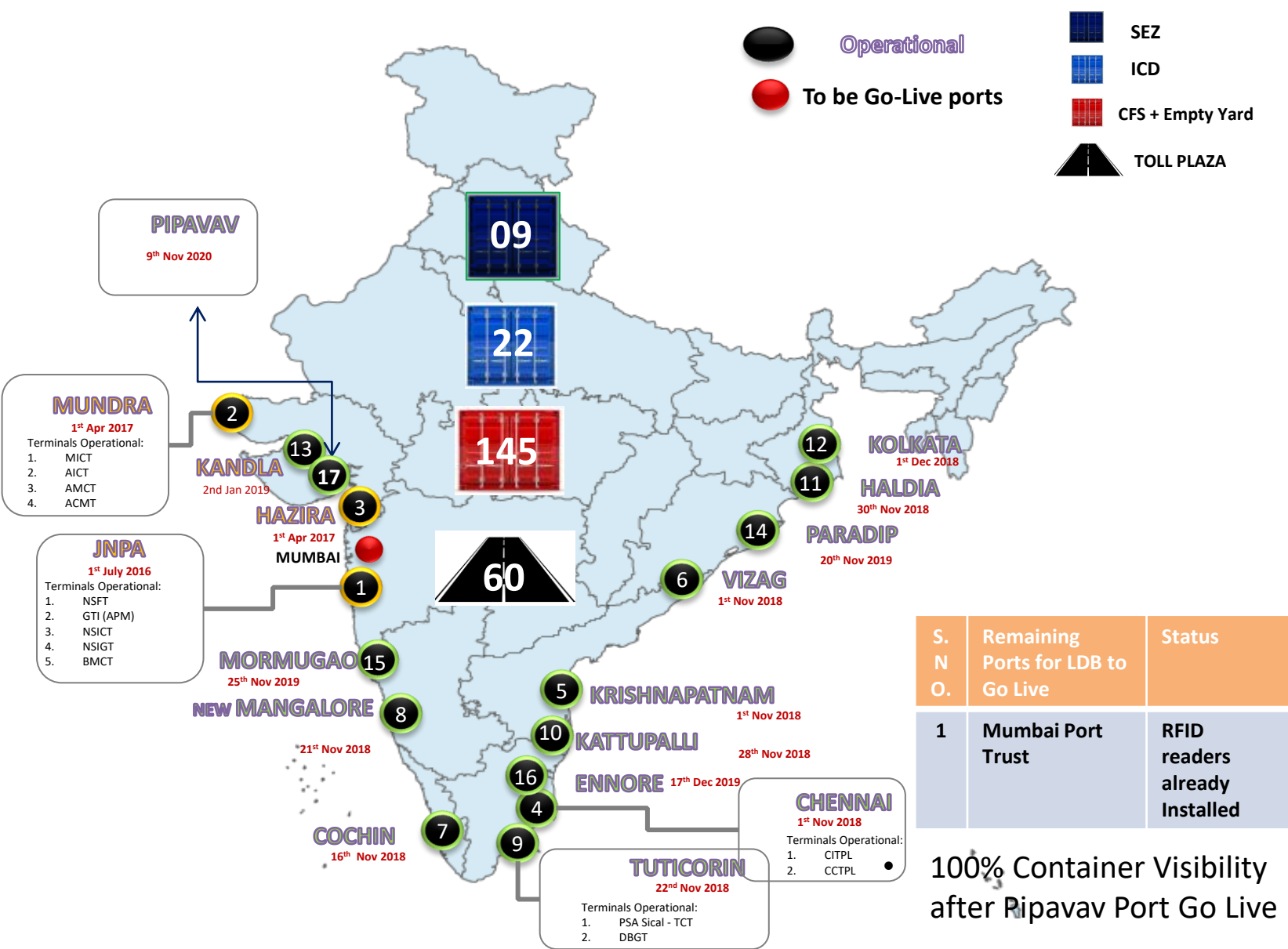
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	59.9	84.6	90.7	90.7	-	84.6
Ankaleshwar	41.0	61.0	46.5	46.5	-	46.5
Ballabgarh	397.3	501.6	461.7	461.7	132.6	397.7
Baroda	-	75.7	-	-	59.1	59.1
Boisar	61.8	5.7	48.2	48.2	55.9	54.1
Dadri	27.3	-	50.9	50.9	37.9	30.8
Daulatabad	63.5	49.8	48.4	48.4	35.1	44.6
Faridabad	127.3	154.2	236.0	236.0	46.0	135.8
Guhati	454.0	375.7	472.5	472.5	172.6	420.8
Indore	202.1	-	45.2	45.2	27.5	41.5
Jaipur	11.6	39.9	47.9	47.9	-	34.4
Kanpur	67.0	35.6	130.6	130.6	99.7	91.0
Khodiyar	42.6	43.5	50.5	50.5	76.1	43.2
Khopate	17.6	-	-	-	-	17.6
Ludhiana	49.8	22.0	113.2	113.2	84.4	49.6
Malanpur	42.7	42.6	27.9	27.9	22.9	36.2
Mandideep	33.7	-	34.3	34.3	24.7	32.6
Moradabad	44.0	28.8	29.0	29.0	-	29.5
Nagpur	46.2	59.2	37.5	37.5	40.6	40.7
Navi Mumbai	15.1	23.9	14.9	14.9	14.1	14.9
Pantnagar	-	-	53.3	53.3	-	53.3
Patparganj	52.6	68.1	-	-	-	66.1
Raipur	-	-	53.7	53.7	-	53.7
Sanatnagar	47.9	18.4	44.2	44.2	-	44.8
Thimmapur	166.9	-	219.7	219.7	223.0	204.5
Tughlakabad	32.4	-	42.8	42.8	29.0	31.5

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	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	15.3	-	10.3	10.3	9.7	13.2
Ameya Logistics CFS, Navi Mumbai	17.6	-	14.4	14.4	14.6	15.7
APM (Maersk India) CFS, Navi Mumbai	18.8	16.2	20.5	20.5	17.9	17.8
Apollo Logisolutions CFS, Panvel	14.2	19.3	19.0	19.0	25.6	16.9
Ashte Logistics CFS, Panvel	15.1	11.5	13.7	13.7	12.8	13.3
Balmer & Lawrie CFS, Navi Mumbai	19.7	13.4	10.1	10.1	9.8	15.3
Continental Warehousing CFS, Navi Mumbai	14.9	13.1	16.1	16.1	15.1	15.3
CWC Impex Park	17.5	14.8	15.9	15.9	21.4	16.9
Dronagiri Rail Terminal CFS, Navi Mumbai	24.2	23.9	13.1	13.1	-	21.6
EFC Logistics	19.4	14.9	15.9	15.9	21.2	17.7
Gateway Distriparks CFS, Navi Mumbai	18.4	15.2	16.5	16.5	18.6	17.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	11.9	11.9	13.2	12.7
JWC Logistics Park CFS	17.2	12.8	13.7	13.7	12.7	14.4
Kerry Indev Logistics Pvt Ltd CFS	21.3	18.5	19.4	19.4	18.7	19.7
Maharashtra State Corp CFS	35.5	24.8	26.2	26.2	29.6	28.1
Navkar Corporation	17.8	13.7	15.9	15.9	14.6	15.7
Ocean Gate CFS, Panvel	15.9	10.6	15.0	15.0	13.5	14.4
Sarveshwar Logistics	14.9	10.8	15.0	15.0	13.9	13.8
SBW Logistics CFS, Navi Mumbai	44.8	-	30.5	30.5	-	43.3
Seabird CFS, Navi Mumbai	32.6	-	20.3	20.3	24.6	27.2
Speedy Multimode CFS, JNPT	15.2	-	20.1	20.1	12.6	15.2
Take Care Logistics	18.3	12.7	14.4	14.4	15.1	16.1
TG Terminals	23.7	-	18.9	18.9	16.5	20.5
Vaishno Logistics CFS, Navi Mumbai	22.3	17.1	16.1	16.1	17.5	18.6



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



THANK YOU