

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Sep'23 (in hrs)	Oct'23 (in hrs)	Port	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	16.7	23.1	NSFT	75.6	72.3
NSICT	16.8	22.6	NSICT	57.2	52.4
GTI	14.5	16.8	GTI	77.1	65.3
NSIGT	19.2	23.6	NSIGT	80.0	73.1
BMCT	19.2	30.6	BMCT	70.8	66.3

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance in Import Cycle has deteriorated 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
Oct'23	22.4 hrs 	65.1 hrs 	82.7 hrs 	135.5 hrs 
Sep'23	17.1 hrs 31.0%	71.9 hrs 9.5%	80.8 hrs 2.4%	131.5 hrs 3.0%

Port Dwell Time

IMPORT

Mode	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall	21.3	25.7
Truck	17.1	20.9
Train	59.2	61.0

EXPORT

Mode	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall	86.8	81.0
Truck	81.9	76.4
Train	112.7	108.1

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Sep'23 (in hrs)	Oct'23 (in hrs)
CFS	86.0	87.9
ICD	131.5	135.5

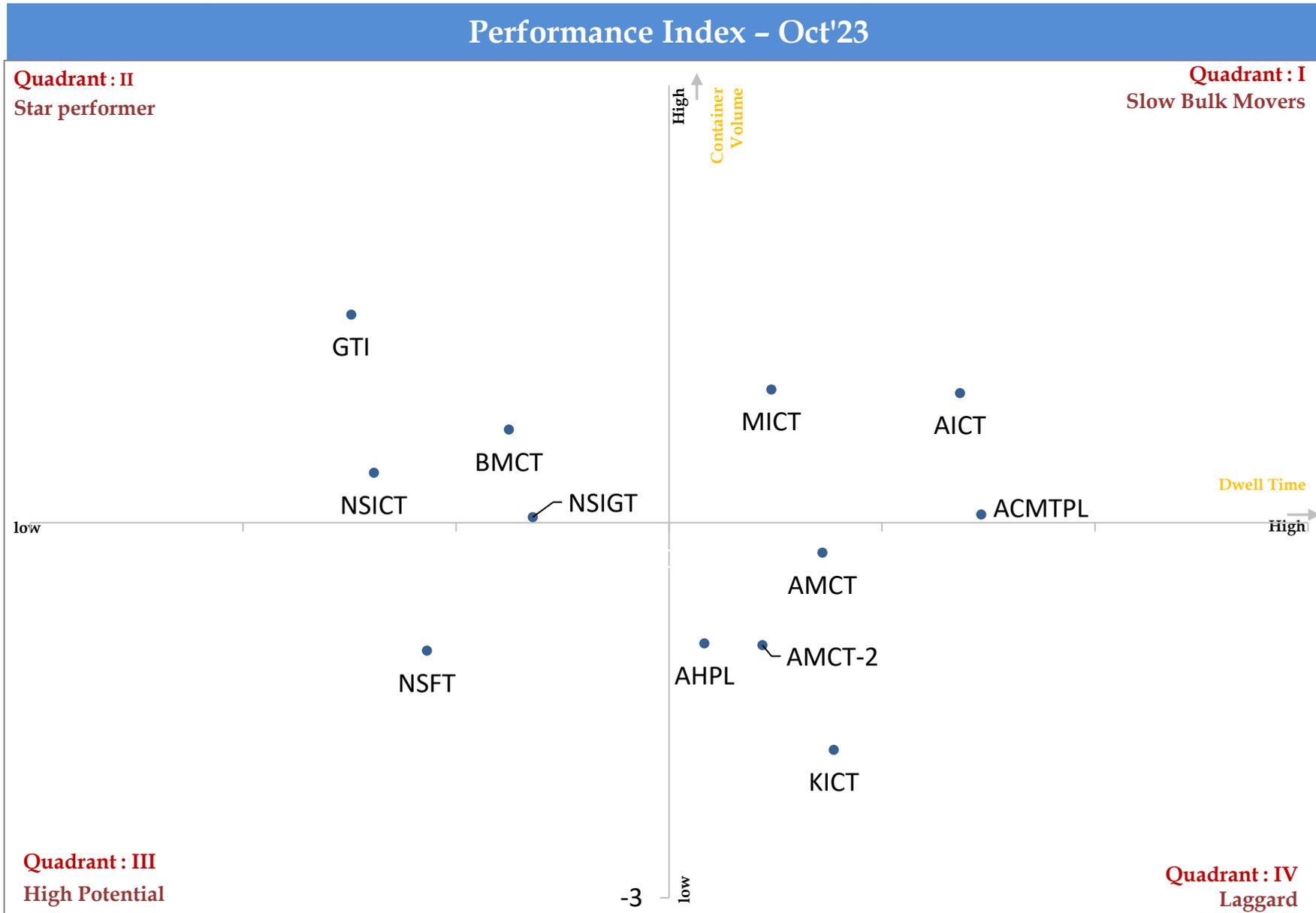
The marked entries showcase increase in performance in comparison to Sep'23

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



Performance Benchmarking - Port Terminals

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



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

Top Performing Terminal	
Gateway Terminals India (GTI)	
Sep'23	Oct'23
32.3 hrs	33.8 hrs
Low Performing Terminal	
Kandla International Container Terminal (KICT)	
Sep'23	Oct'23
36.8 hrs	67.0 hrs

Note: The performance benchmarking is based on performance index



The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Sep'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	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall	17.1	22.4
Truck	14.7	19.1
Train	44.2	55.0

Mode	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall	71.9	65.1
Truck	70.4	64.1
Train	82.3	73.7

Transit Time

Towards ICD

Transit Cycle	Sep'23 (in hrs)	Oct'23 (in hrs)
Port to ICD	101.9	84.1
Port to CFS	2.46	2.61

Towards CFS

From ICD

Transit Cycle	Sep'23 (in hrs)	Oct'23 (in hrs)
ICD to Port	106.1	118.6
CFS to Port	3.78	4.43

From CFS

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

Entity	Sep'23 (in hrs)	Oct'23 (in hrs)
CFS	80.8	82.7
ICD	131.5	135.5

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	81%	19%
Export	80%	20%

■ The marked entries showcase the increase in performance as compared to Sep'23

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

Container Lifecycle (Export Cycle)

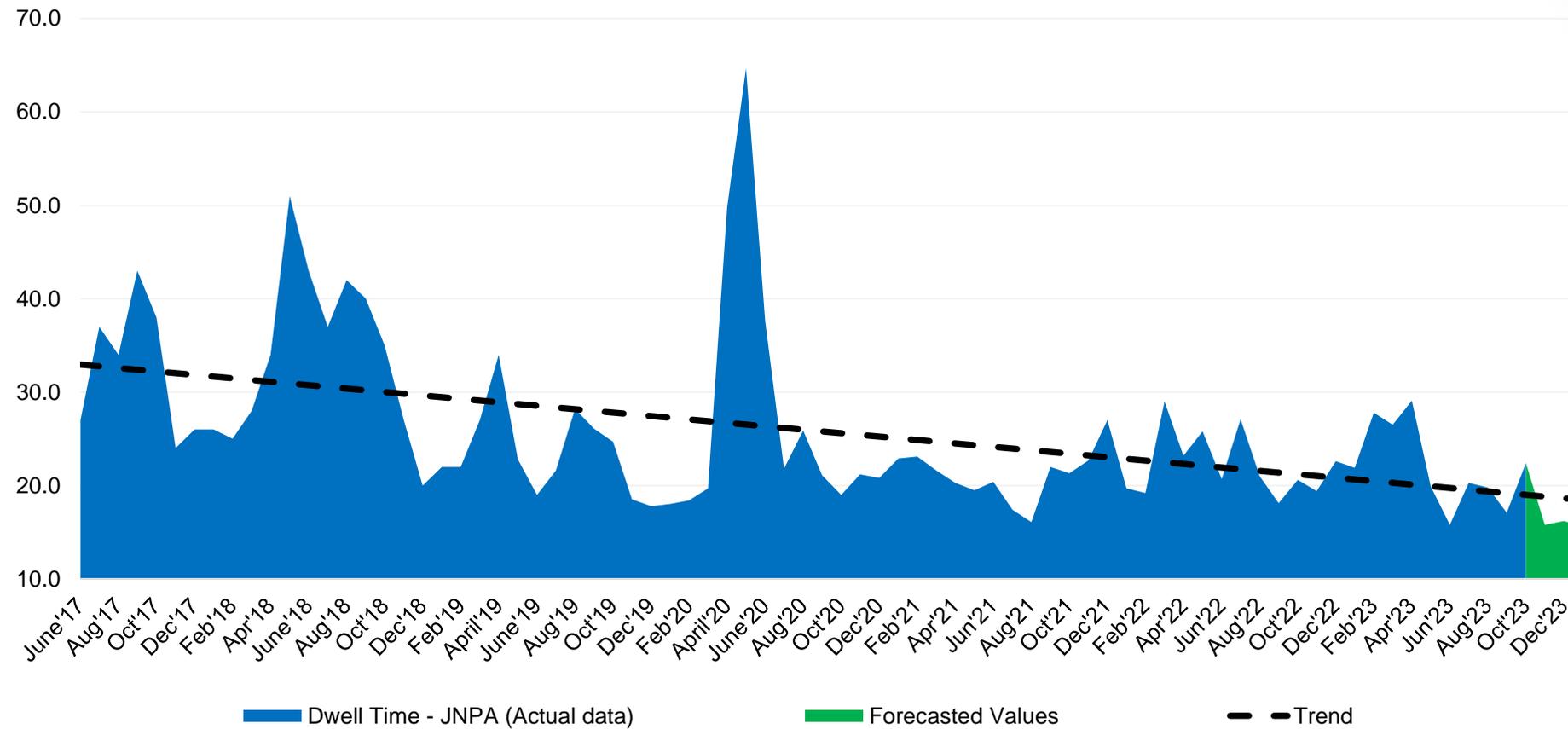
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Oct'23 – in hrs)			Compared to Sep'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	22.4	31.0%	↓
	Port Dwell Time for Truck Bound Containers	19.1	29.9%	↓
	Port Dwell time for Train Bound Containers	55.0	24.4%	↓
	Port Dwell time Direct Port Delivery (DPD) containers	25.4	28.9%	↓
	Port Dwell time Containers bound for CFS	18.9	30.3%	↓
	Port Dwell for Empty Containers	24.0	12.7%	↓
	Port Dwell for Laden Containers	22.2	33.7%	↓
TRANSIT TIME	Port to ICD	84.1	17.5%	↑
	Port to CFS	2.61	6.1%	↓

EXPORT CYCLE DWELL TIME (Oct'23– in hrs)			Compared to Sep'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	65.1	9.5%	↑
	Port Dwell Time for Truck Bound Containers	64.1	8.9%	↑
	Port Dwell time for Train Bound Containers	73.7	10.4%	↑
	Port Dwell time Direct Port Entry (DPE) containers	70.6	6.9%	↑
	Port Dwell time Containers bound from CFS	64.0	10.5%	↑
	Port Dwell for Empty Containers	59.3	9.2%	↑
	Port Dwell for Laden Containers	68.2	7.7%	↑
TRANSIT TIME	ICD to Port	118.6	11.8%	↓
	CFS to Port	4.43	17.2%	↓

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



	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24
Actual Dwell Time (in hours)	19.8	17.1	22.4	-	-	-
Forecasted Dwell Time (in hours)	19.1	19.2	18.5	15.8	16.2	15.6

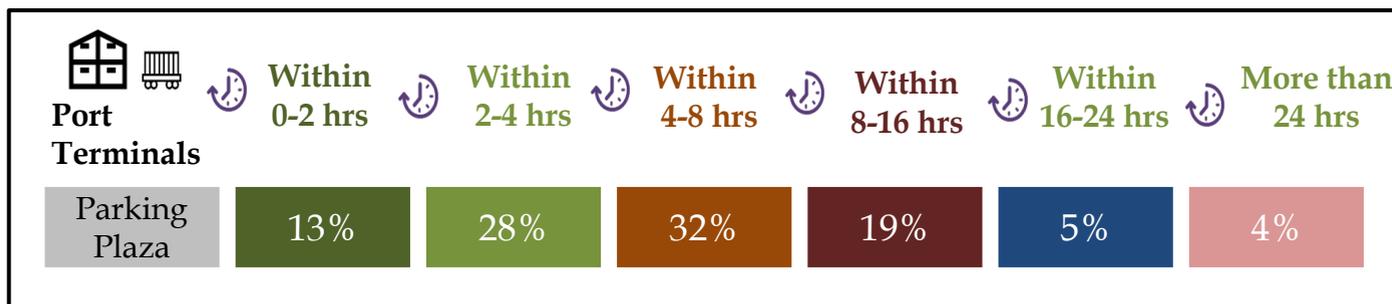
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall Parking Plaza	5.25	4.86

Container Handled: Day wise (Oct'23)



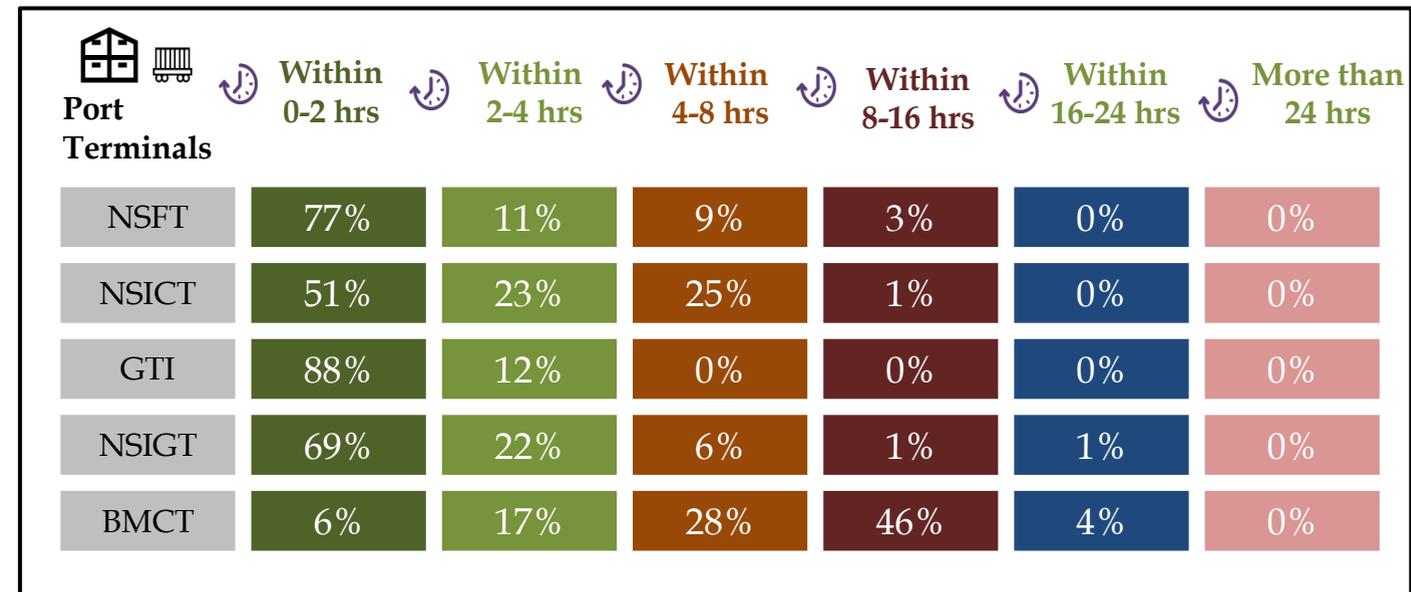
Parking Plaza Gate Out - Terminal In



Mode	Sep'23 (in hrs)	Oct'23 (in hrs)
Overall Parking Plaza to JNPA Port	1.70	2.03

Port	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	1.3	0.9
NSICT	1.2	2.0
GTI	0.5	1.2
NSIGT	1.6	1.0
BMCT	6.6	7.9

Container Handled: Day wise (Oct'23)





Performance Benchmarking



Top Performing CFS

Gateway Distriparks CFS, Navi Mumbai	
Sep'23	Oct'23
-	73.8 hrs

Low Performing CFS

Navkar Corporation Yard 1 CFS, Panvel	
Sep'23	Oct'23
90.8 hrs	109.9 hrs

Note: The performance benchmarking is based on performance index
 ↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders as compared to Sep'23.

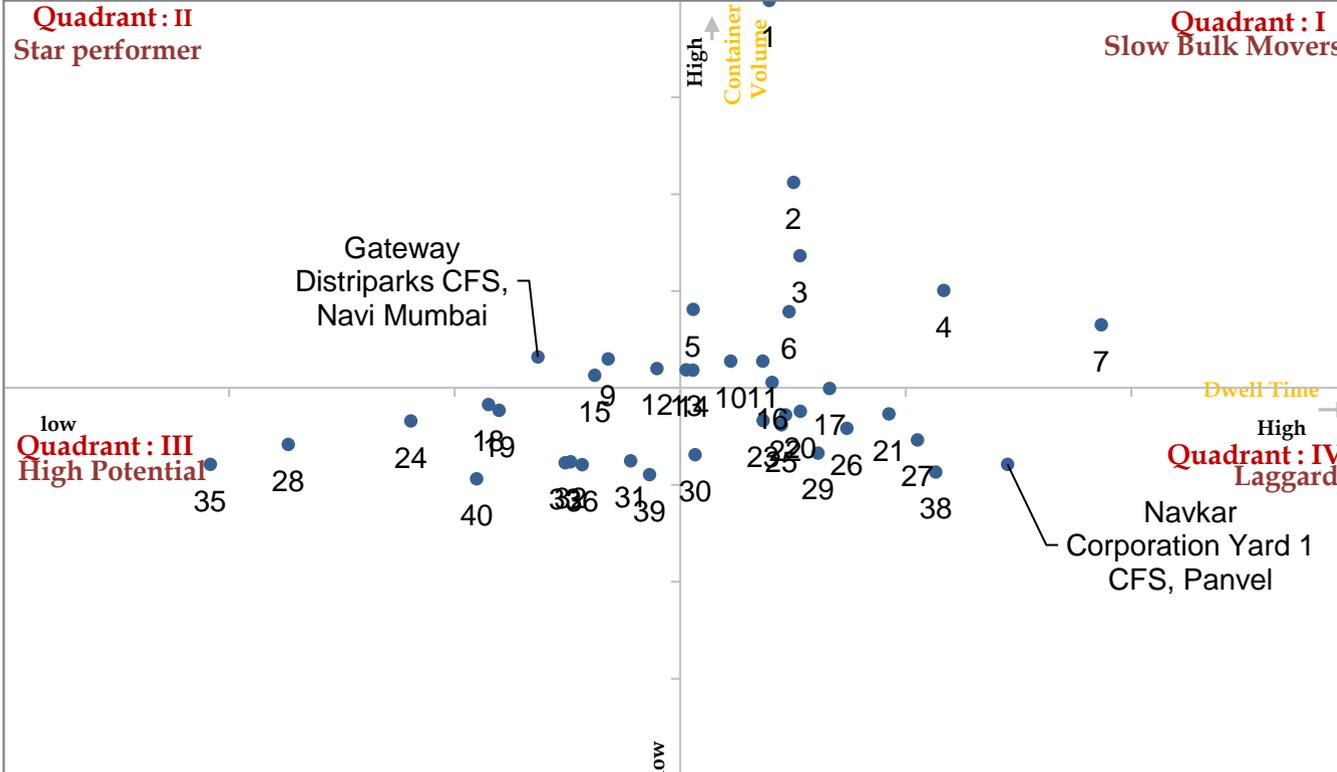
Top Performing ICD

Adani ICD, Tumb	
Sep'23	Oct'23
125.1 hrs	133.5 hrs

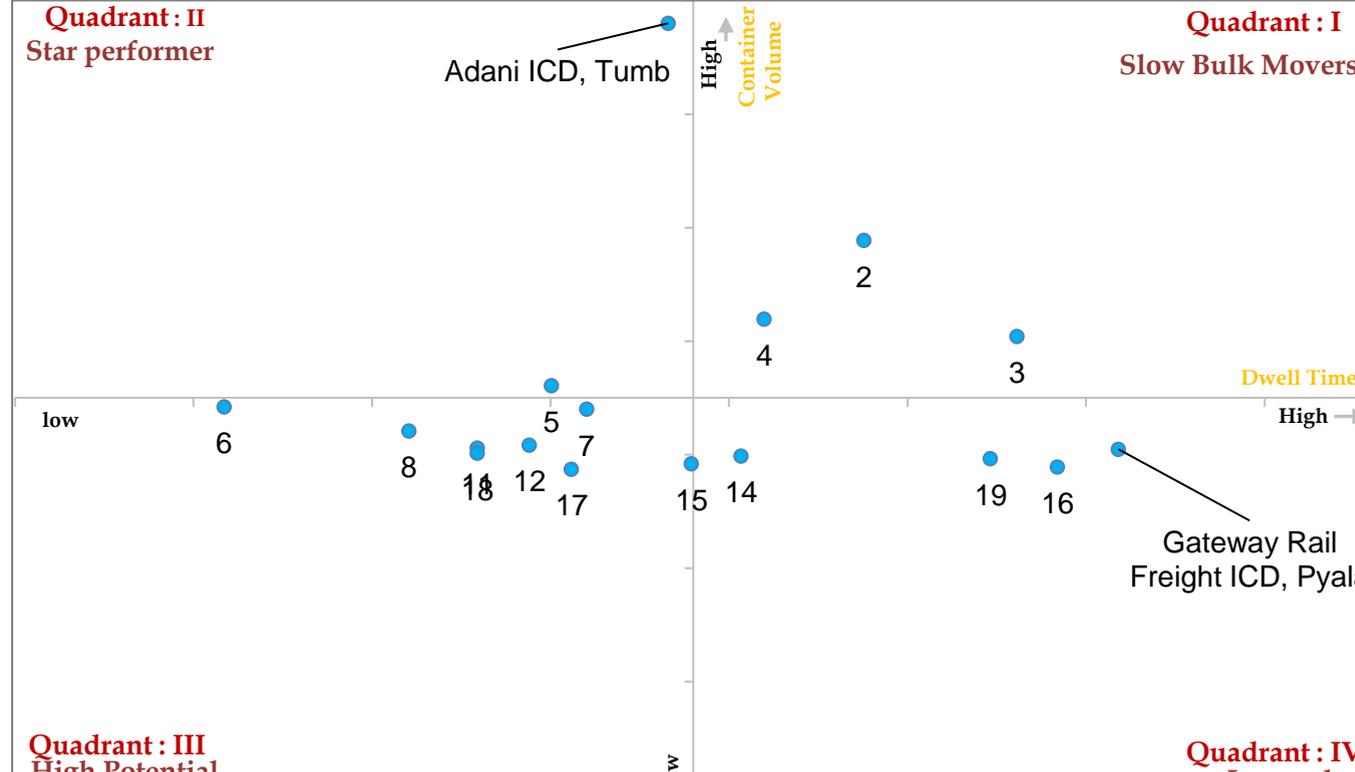
Low Performing ICD

Gateway Rail Freight ICD, Pyala	
Sep'23	Oct'23
177.7 hrs	167.9 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

(19% 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	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	47.0	58.2
NSICT	48.5	54.2
GTI	34.5	44.6
NSIGT	47.7	58.0
BMCT	52.7	66.1

Container Handled: Day wise (Oct'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	9%	29%	22%	20%	14%	7%
NSICT	21%	22%	21%	14%	14%	8%
GTI	25%	29%	22%	12%	7%	5%
NSIGT	15%	27%	15%	16%	18%	8%
BMCT	10%	25%	20%	17%	18%	11%

PORT IMPORT via TRUCK

(81% 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	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	15.2	18.7
NSICT	14.9	20.3
GTI	12.6	14.9
NSIGT	15.0	19.6
BMCT	16.8	25.6

Container Handled: Day wise (Oct'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	64%	27%	7%	2%	0%	0%
NSICT	60%	29%	8%	3%	1%	0%
GTI	73%	21%	4%	1%	0%	0%
NSIGT	61%	28%	7%	3%	1%	1%
BMCT	47%	29%	13%	7%	4%	0%

The below tables depict the detailed JNPA region port performance in the month of Oct'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	22.9	18.2	23.3	23.1
NSICT	48.1	20.4	19.7	23.5
GTI	27.8	15.1	23.7	16.7
NSIGT	51.9	19.3	23.6	23.6
BMCT	39.7	25.0	34.3	30.1

JNPA Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPA region in Import Cycle in month of Oct'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 (Red arrow)
- Medium Congestion (Orange arrow)
- Low Congestion (Blue arrow)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

NSFT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

BMCT Terminal

Congestion Level
Import 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

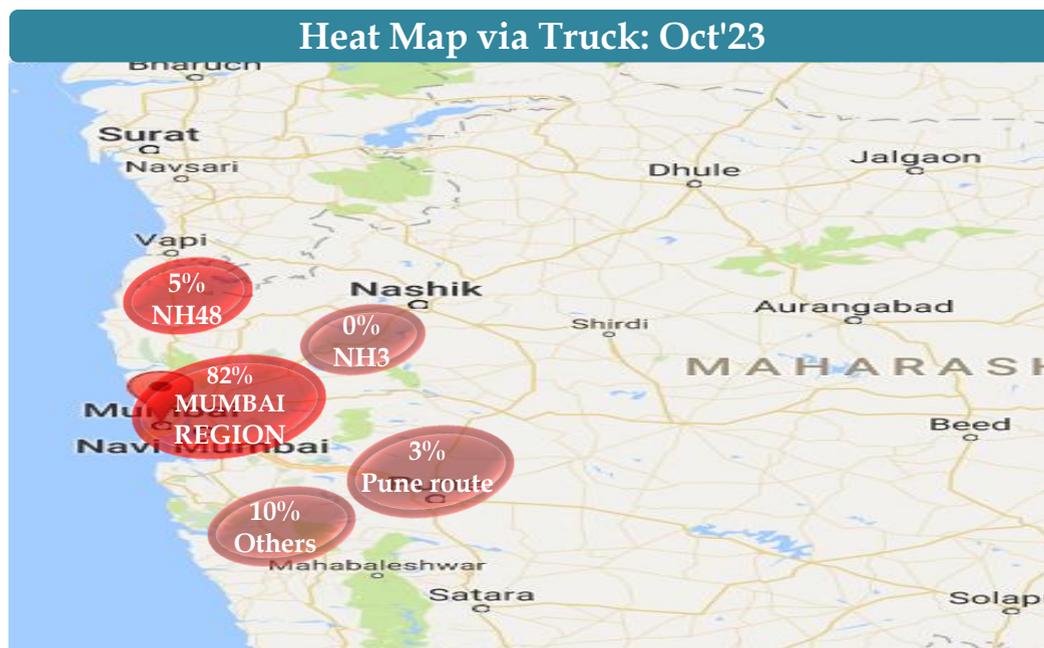
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Oct'23
Mumbai region	82%
NH3	0%
Pune	3%
NH48	5%
Others	10%

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

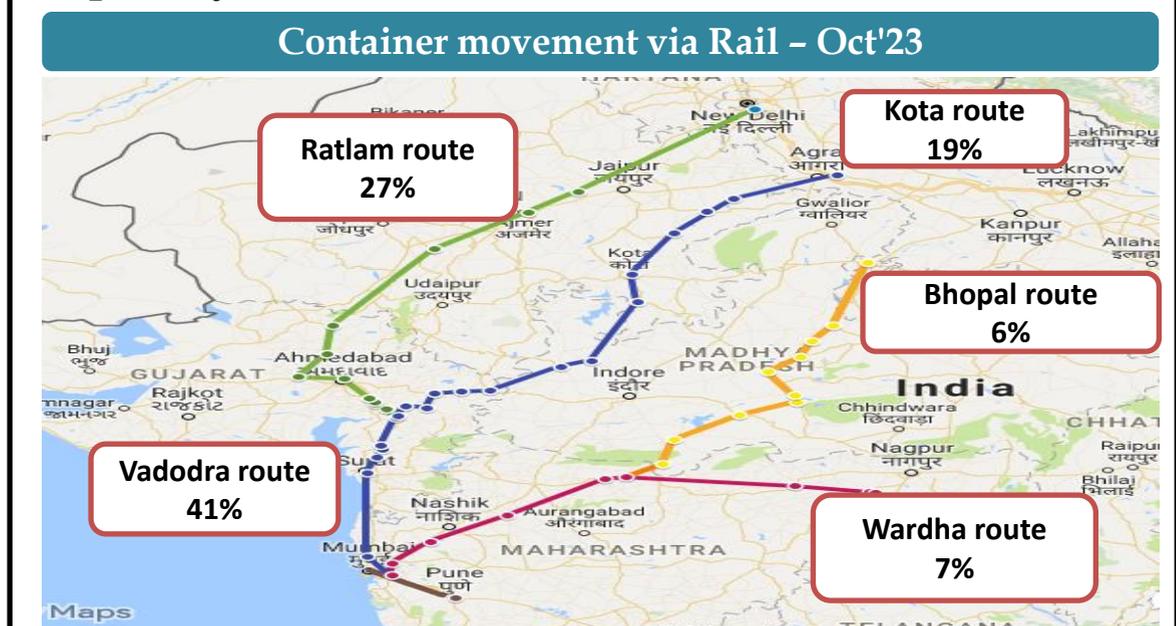


Train

VOLUME WISE CONTAINER MOVEMENT

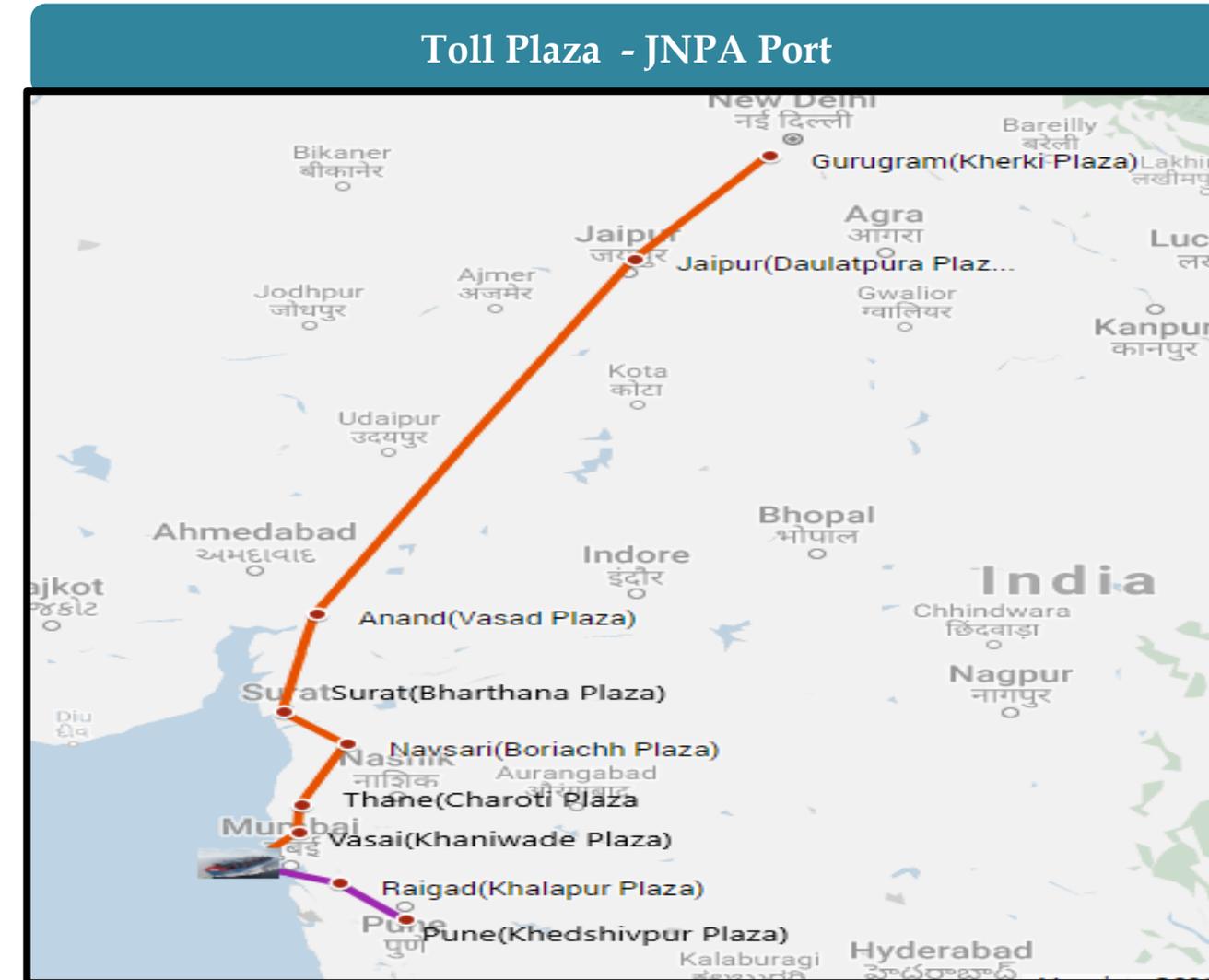
Region	Oct'23
Vadodra Route	41%
Ratlam Route	27%
Wardha Route	7%
Kota Route	19%
Bhopal Route	6%

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)	Sep'23 (in km/hrs)	Oct'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	11.2	11.9
	JNPA	Khalapur	60	5.6	8.5
	Khaniwade	Charoti	50	37.0	31.3
	Charoti	Boriach	126	31.9	17.9
	Boriach	Bharthan	142	31.9	30.9
	Bharthan	Vasad	60	35.7	36.7
	Khalalpur	Khedshivpur	105	31.3	31.0



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	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	116.4	108.5
NSICT	27.3	27.1
GTI	93.7	81.6
NSIGT	104.1	96.7
BMCT	115.0	99.2

Container Handled: Day wise (Oct'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	2%	3%	8%	26%	33%	28%
NSICT	46%	16%	10%	7%	11%	10%
GTI	7%	14%	20%	19%	19%	21%
NSIGT	2%	14%	18%	16%	25%	26%
BMCT	5%	15%	14%	15%	24%	28%

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	Sep'23 (in hrs)	Oct'23 (in hrs)
NSFT	75.1	71.0
NSICT	62.3	58.1
GTI	74.9	63.7
NSIGT	76.1	69.5
BMCT	65.9	61.9

Container Handled: Day wise (Oct'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%	19%	25%	26%	21%	2%
NSICT	10%	29%	26%	21%	13%	3%
GTI	5%	25%	31%	22%	18%	1%
NSIGT	4%	22%	27%	23%	23%	1%
BMCT	7%	26%	29%	25%	12%	1%

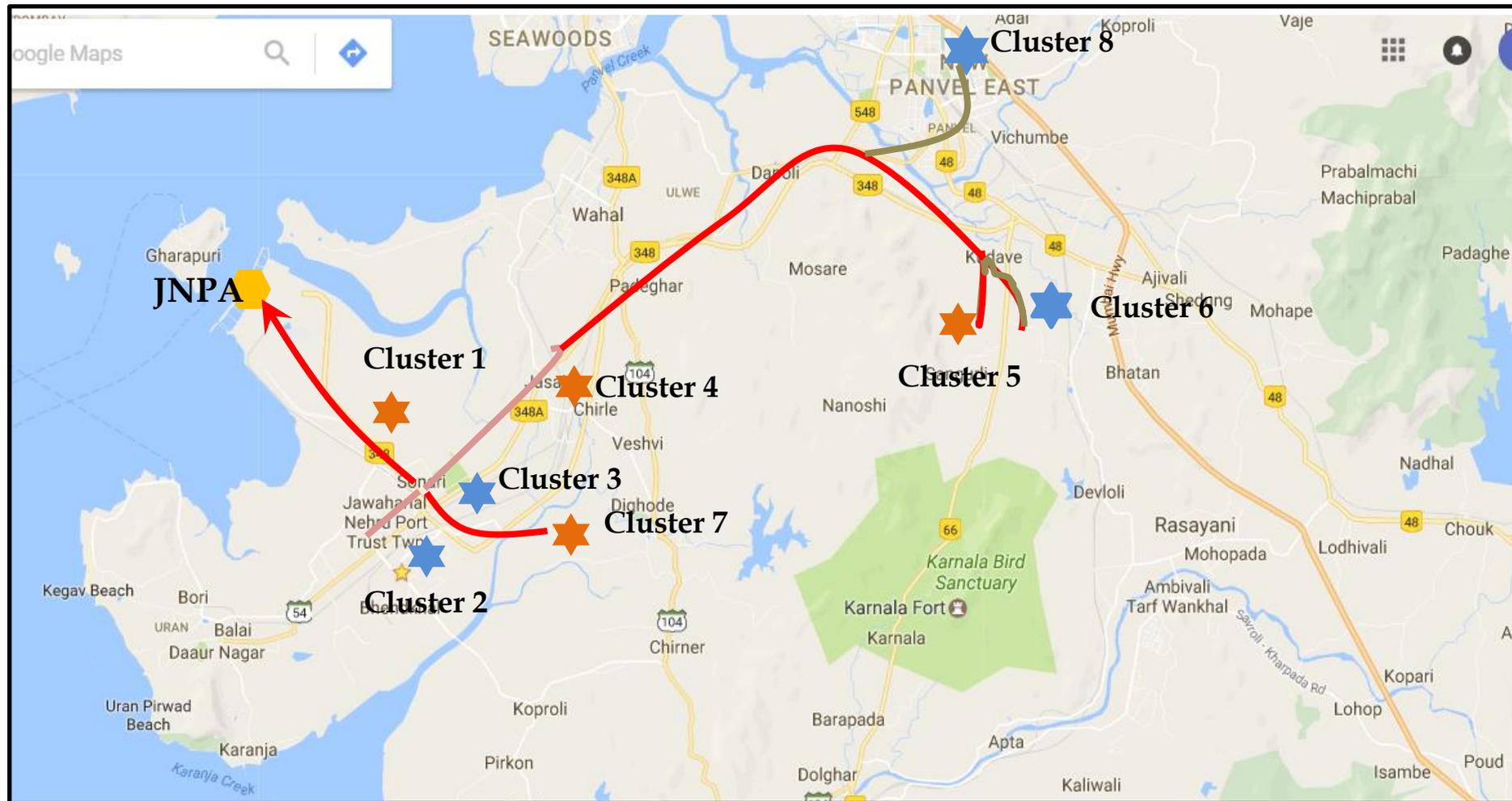
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Oct'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	71.3	67.5	79.6	67.7
NSICT	64.0	59.9	44.3	56.1
GTI	68.9	63.5	62.4	68.7
NSIGT	78.4	70.6	45.7	76.5
BMCT	-	59.7	58.2	71.3

JNPA Region: Congestion Analysis (Export Cycle)

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



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

Legends

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

GTI Terminal

Congestion Level

Export Cycle :-

NSFT Terminal

Congestion Level

Export Cycle :-

NSICT Terminal

Congestion Level

Export Cycle :-

NSIGT Terminal

Congestion Level

Export Cycle :-

BMCT Terminal

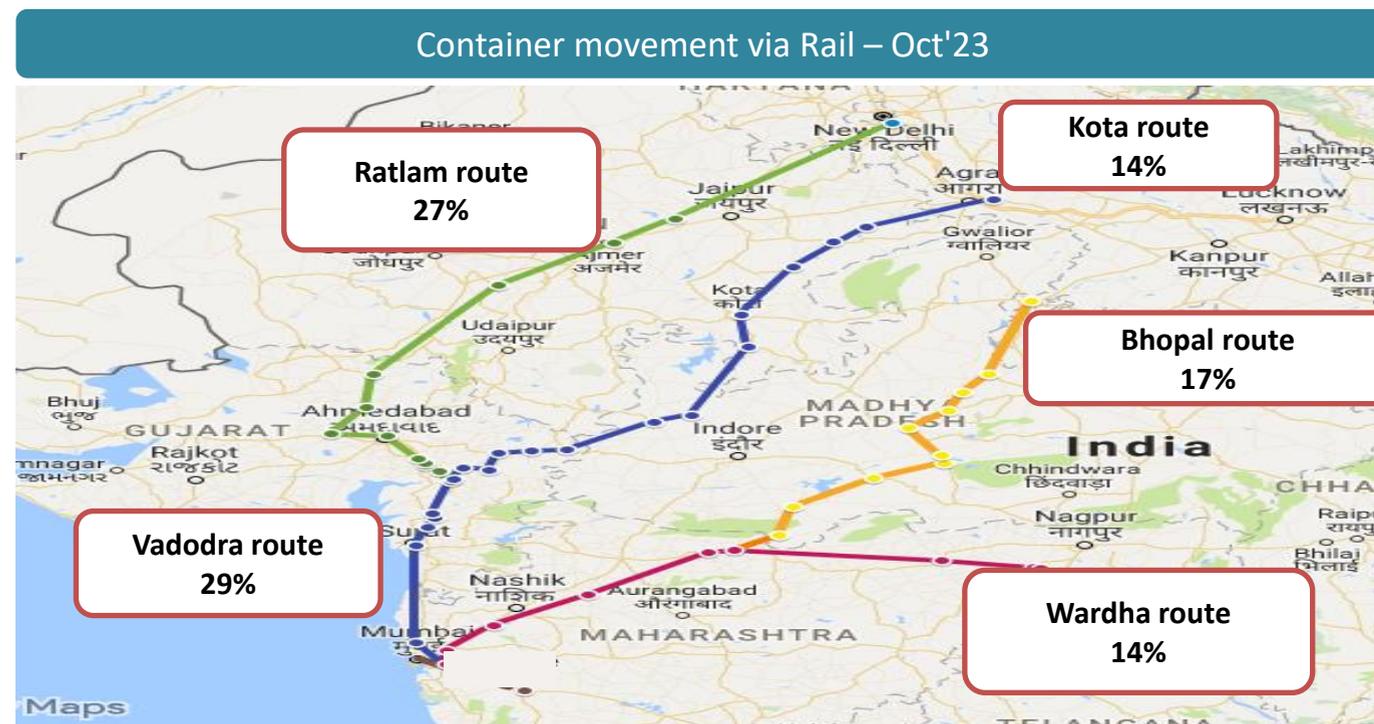
Congestion Level

Export Cycle :-

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

JNPA Port	
Route	Percentage of Container Movement
Vadodra Route	29%
Ratlam Route	27%
Wardha Route	14%
Kota Route	14%
Bhopal Route	17%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

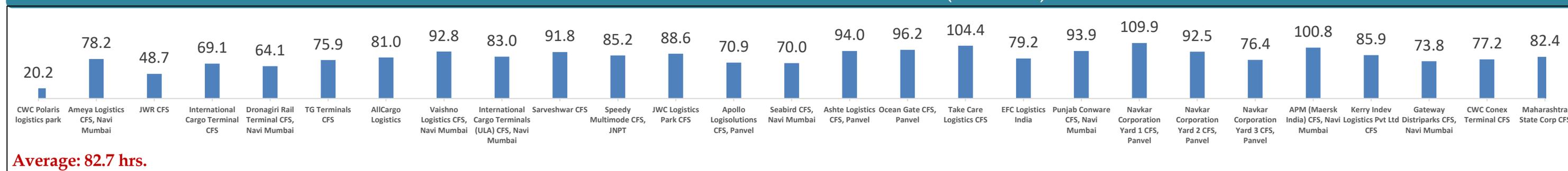
Below table and graphs show the dwell time of the respective CFSs for the month of Oct'23

CFS Dwell Time (in hrs.)

CFS	Sep'23 (in hrs)	Oct'23 (in hrs)
CWC Polaris logistics park	13.3	20.2
Ameya Logistics CFS, Navi Mumbai	49.6	78.2
JWR CFS	52.2	48.7
International Cargo Terminal CFS	66.8	69.1
Dronagiri Rail Terminal CFS, Navi Mumbai	67.2	64.1
TG Terminals CFS	73.5	75.9
AllCargo Logistics	74.3	81.0
Vaishno Logistics CFS, Navi Mumbai	74.6	92.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	74.7	83.0
Sarveshwar CFS	77.0	91.8
Speedy Multimode CFS, JNPT	78.9	85.2
JWC Logistics Park CFS	80.0	88.6
Apollo Logisolutions CFS, Panvel	81.8	70.9
Seabird CFS, Navi Mumbai	82.2	70.0

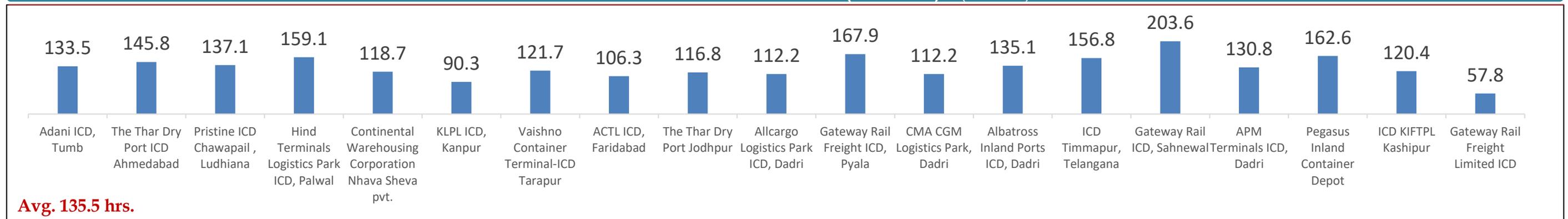
CFS	Sep'23 (in hrs)	Oct'23 (in hrs)
Ashte Logistics CFS, Panvel	82.7	94.0
Ocean Gate CFS, Panvel	85.6	96.2
Take Care Logistics CFS	86.4	104.4
EFC Logistics India	88.0	79.2
Punjab Conware CFS, Navi Mumbai	88.6	93.9
Navkar Corporation Yard 1 CFS, Panvel	90.8	109.9
Navkar Corporation Yard 2 CFS, Panvel	93.1	92.5
Navkar Corporation Yard 3 CFS, Panvel	93.6	76.4
APM (Maersk India) CFS, Navi Mumbai	97.7	100.8
Kerry Indev Logistics Pvt Ltd CFS	98.0	85.9
Gateway Distriparks CFS, Navi Mumbai	-	73.8
CWC Conex Terminal CFS	-	77.2
Maharashtra State Corp CFS	-	82.4

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



ICD	Sep'23 (in hrs)	Oct'23 (in hrs)
Adani ICD, Tumb	125.1	133.5
The Thar Dry Port ICD Ahmedabad	157.2	145.8
Pristine ICD Chawapail , Ludhiana	115.8	137.1
Hind Terminals Logistics Park ICD, Palwal	173.0	159.1
Continental Warehousing Corporation Nhava Sheva pvt.	111.4	118.7
KLPL ICD, Kanpur	77.6	90.3
Vaishno Container Terminal-ICD Tarapur	115.6	121.7
ACTL ICD, Faridabad	116.5	106.3
The Thar Dry Port Jodhpur	110.7	116.8
Allcargo Logistics Park ICD, Dadri	135.3	112.2
Gateway Rail Freight ICD, Pyala	177.7	167.9
CMA CGM Logistics Park, Dadri	127.6	112.2
Albatross Inland Ports ICD, Dadri	109.8	135.1
ICD Timmapur, Telangana	139.2	156.8
Gateway Rail ICD, Sahnewal	165.5	203.6
APM Terminals ICD, Dadri	123.0	130.8
Pegasus Inland Container Depot	131.1	162.6
ICD KIFTPL Kashipur	158.2	120.4
Gateway Rail Freight Limited ICD	76.9	57.8

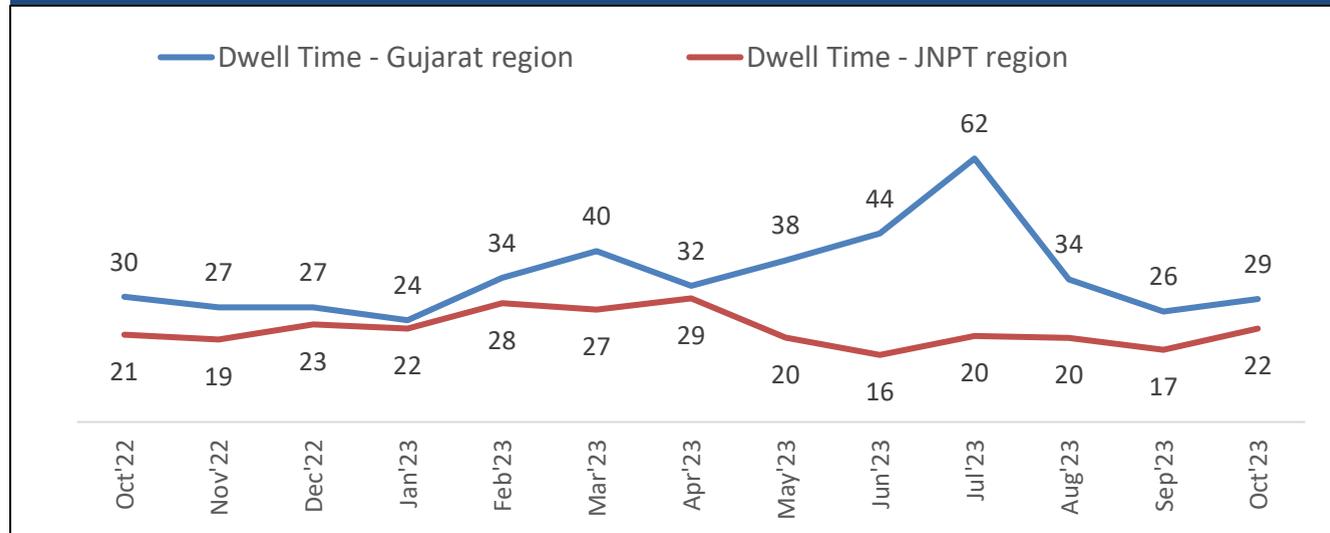
ICD - DWELL OVERVIEW (OCT'23) (In Hrs)



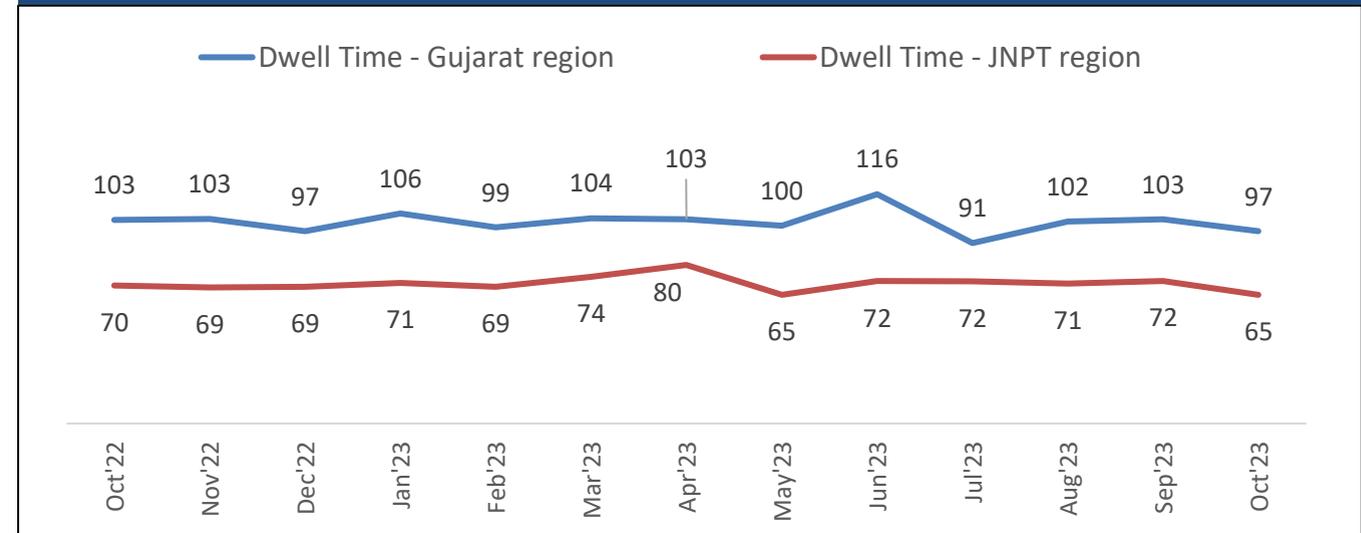
Trend Analysis

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

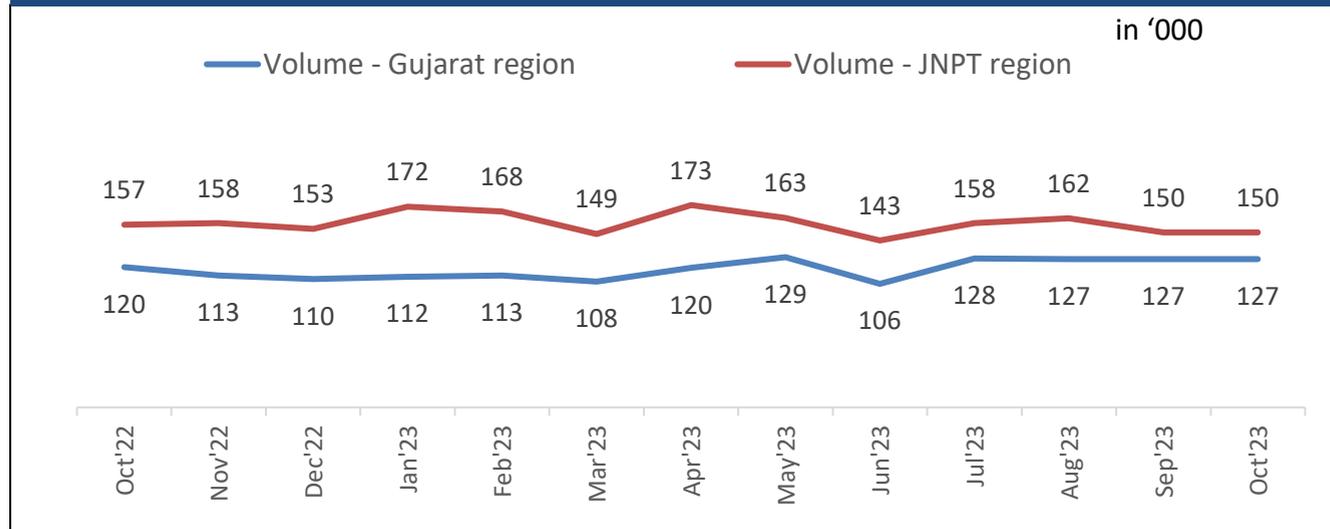
Dwell Time – Mundra Region Vs JNPA Region



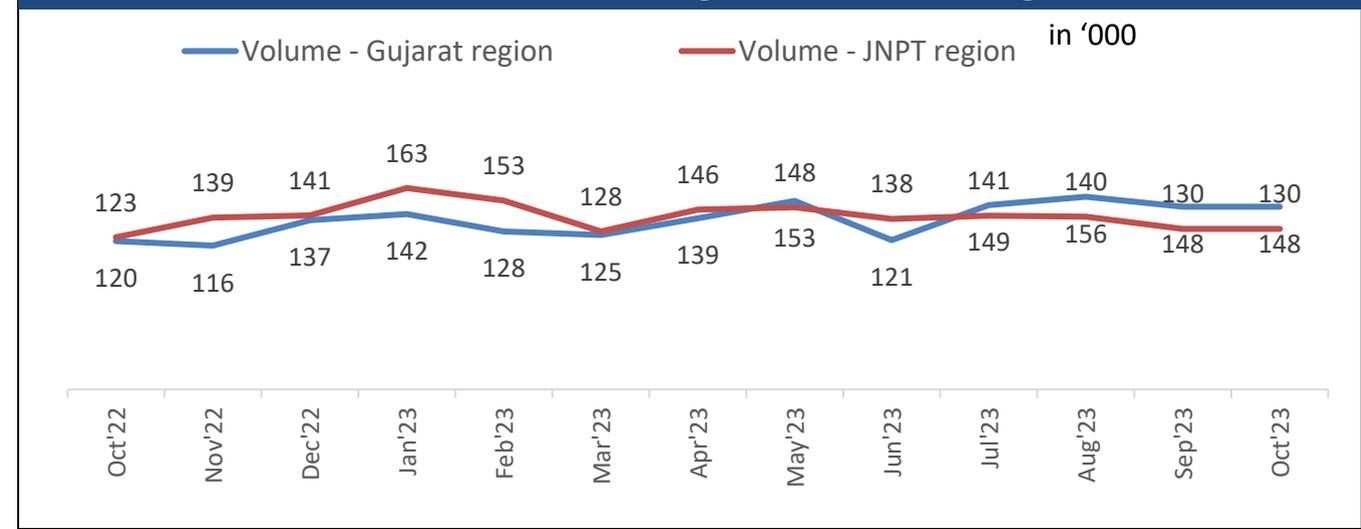
Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region



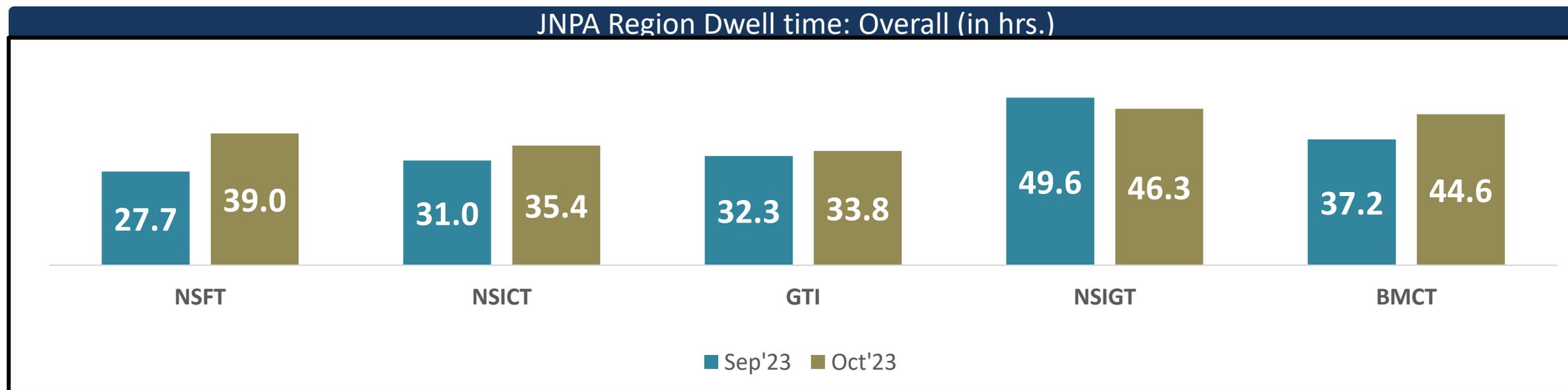
In Import cycle, for the month of Oct'23 Mundra port has catered **15.7% less volume** than JNPA Port, and has performed with **27.7% higher dwell time** than JNPA Port.

In Export cycle, for the month Oct'23 JNPA port catered **12.2% lower volume** than Mundra Port, and has maintained **33.2% 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



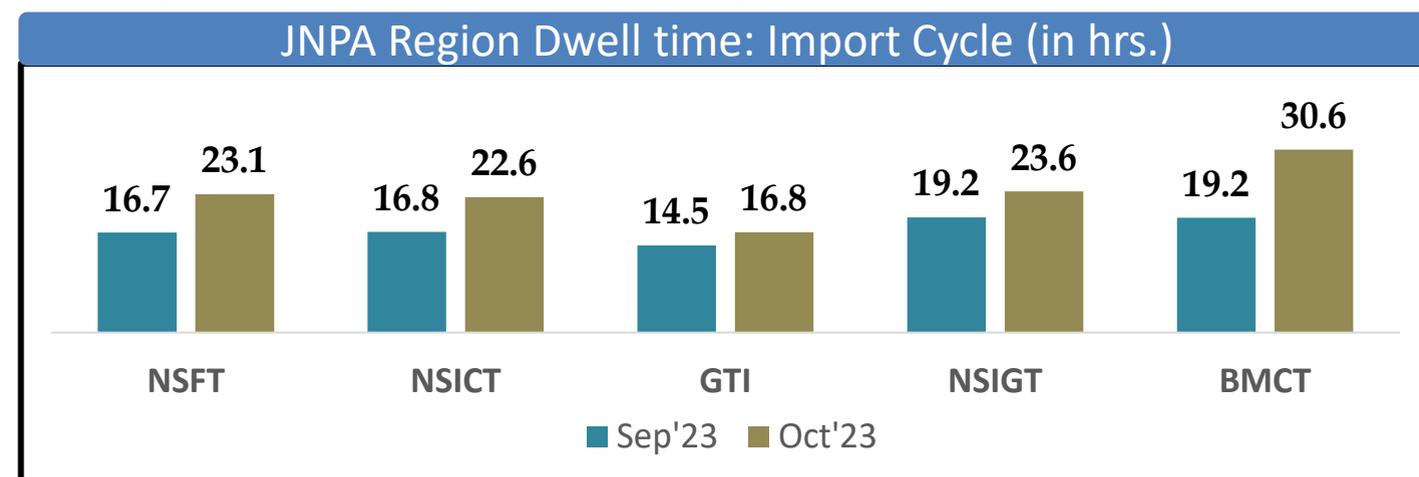
The overall JNPA region average dwell time for Oct'23 is **39.5 hrs.**

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



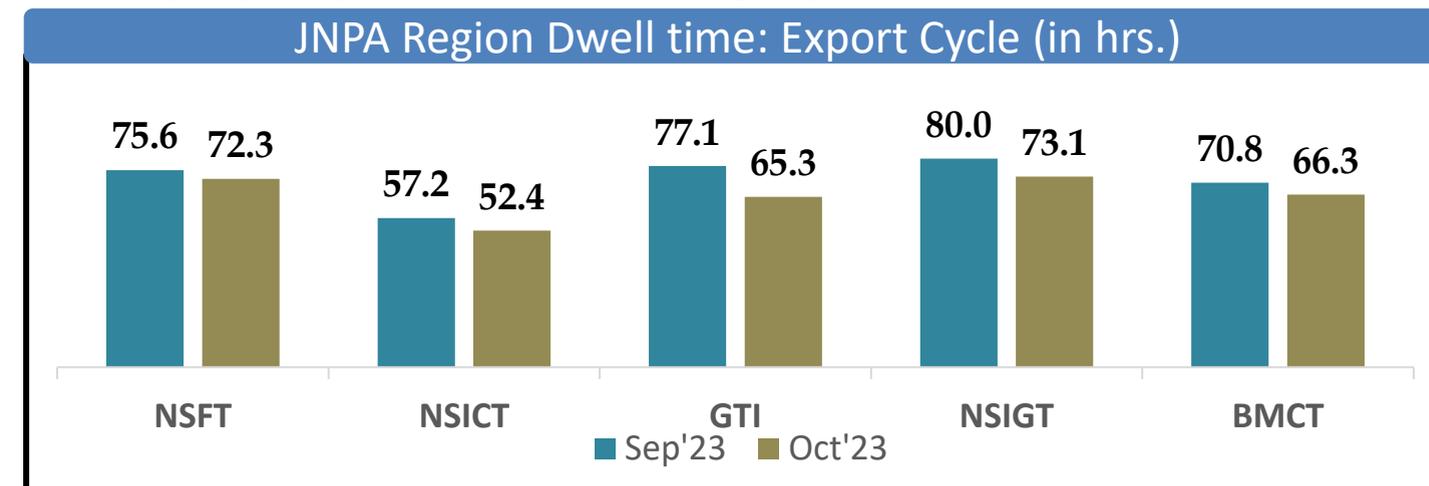
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Oct'23 is **22.4 hrs.**



JNPA Export cycle Trend

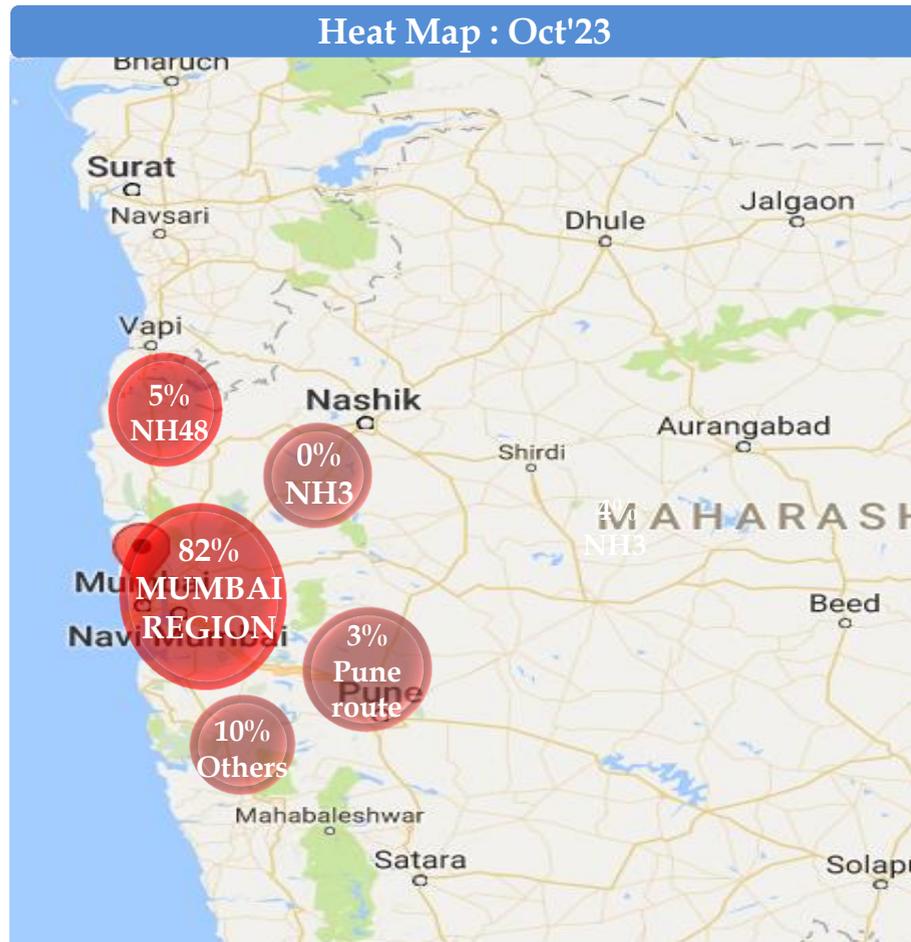
The average export cycle dwell time of JNPA region port terminals for Oct'23 is **65.1 hrs.**



ANNEXURE

Container movement around JNPA Port terminal region via Truck

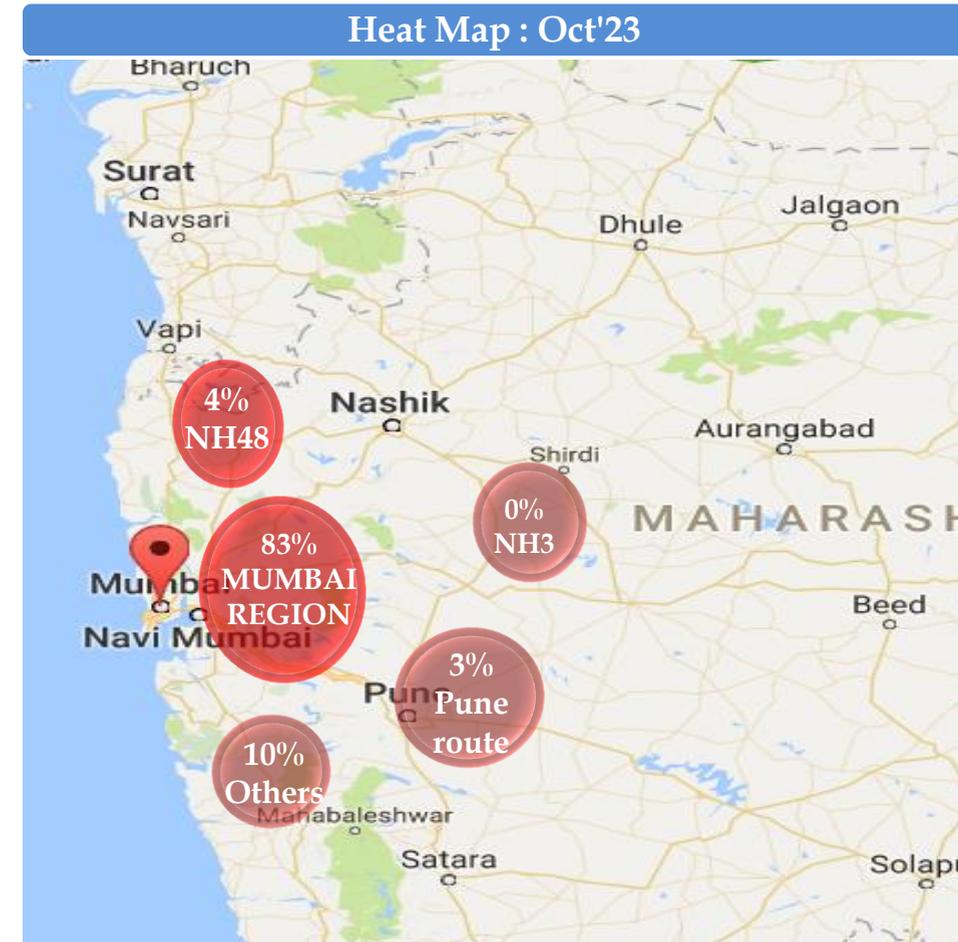
HEAT MAP : GTI Port Terminal



Region	Sep'23	Oct'23
Mumbai region	77%	82%
NH3	0%	0%
Pune	6%	3%
NH48	7%	5%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal



Region	Sep'23	Oct'23
Mumbai region	81%	83%
NH3	0%	0%
Pune	4%	3%
NH48	5%	4%
others	10%	10%

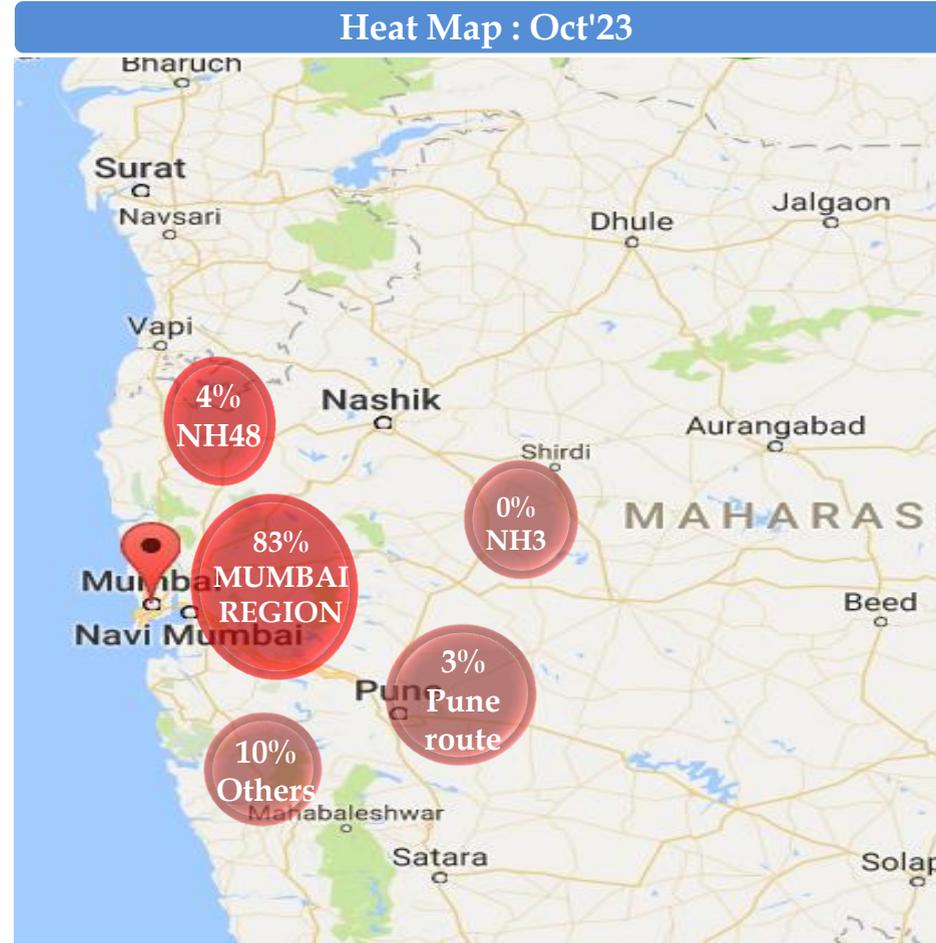
The heat map above depicts the movement of containers in and around the Mumbai region.

Container movement around JNPA Port terminal region via Truck

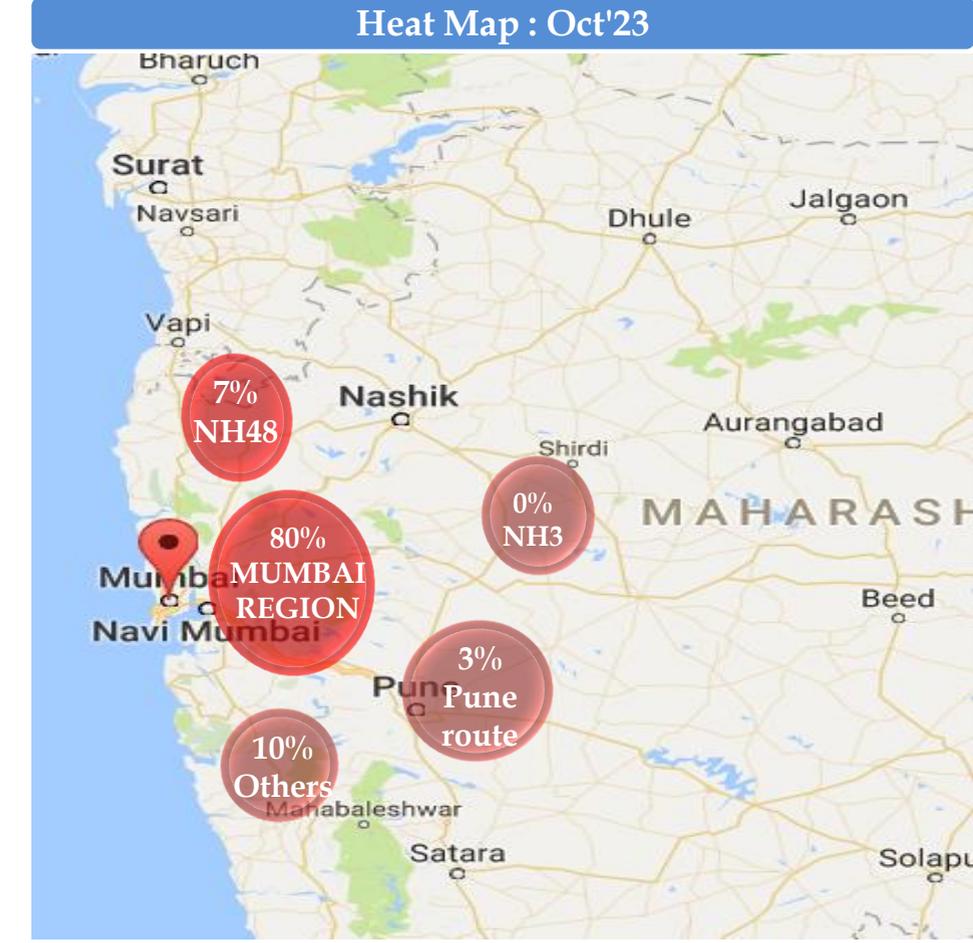
HEAT MAP : NSIGT Port Terminal



HEAT MAP : NSICT Port Terminal



HEAT MAP : BMCT Port Terminal



Region	Sep'23	Oct'23
Mumbai region	82%	85%
NH3	0%	0%
Pune	3%	2%
NH48	4%	3%
others	10%	10%

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

Region	Sep'23	Oct'23
Mumbai region	79%	83%
NH3	0%	0%
Pune	5%	3%
NH48	6%	4%
others	10%	10%

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

Region	Sep'23	Oct'23
Mumbai region	77%	80%
NH3	0%	0%
Pune	5%	3%
NH48	8%	7%
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) - Oct'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.4	2.5	3.4	2.3	7.2
Punjab Conware CFS, Navi Mumbai	2.5	1.7	4.5	3.6	8.3
JWC Logistics Park CFS	3.2	3.0	3.8	3.7	10.3
Navkar Corporation Yard 2 CFS, Panvel	3.5	5.2	6.3	4.9	12.9
Vaishno Logistics CFS, Navi Mumbai	3.1	3.6	4.5	3.3	9.0
Speedy Multimode CFS, JNPT	2.9	2.0	3.5	2.2	6.8
Navkar Corporation Yard 3 CFS, Panvel	3.3	4.3	4.6	3.8	11.0
Ashte Logistics CFS, Panvel	2.5	3.4	5.5	3.1	10.1
SBW Logistics CFS, Navi Mumbai	-	14.3	6.9	-	17.6
Maharashtra State Corp CFS	2.4	6.0	2.3	1.8	8.3
International Cargo Terminal CFS	3.3	3.7	4.4	2.8	11.3
Seabird CFS, Navi Mumbai	1.8	5.4	4.3	2.4	9.8
Apollo Logisolutions CFS, Panvel	2.2	3.8	4.7	2.4	12.0
Ameya Logistics CFS, Navi Mumbai	3.7	3.8	4.5	3.3	9.3
AllCargo Logistics	2.7	10.8	3.5	3.4	10.3
Ocean Gate CFS, Panvel	3.2	6.6	5.4	3.7	8.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9	34.9	3.9	3.1	6.3
Kerry Indev Logistics Pvt Ltd CFS	3.2	13.1	5.3	2.2	8.4
APM (Maersk India) CFS, Navi Mumbai	3.1	16.5	9.8	2.4	9.0

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) - Oct'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	2.3	2.6	2.3	2.8	2.2
APM (Maersk India) CFS, Navi Mumbai	2.6	2.6	2.0	2.5	2.0
International Cargo Terminal CFS	1.9	2.2	2.0	1.9	1.8
Ameya Logistics CFS, Navi Mumbai	2.2	2.5	2.3	2.4	2.5
AllCargo Logistics	4.9	5.0	5.0	4.5	4.4
Kerry Indev Logistics Pvt Ltd CFS	2.5	2.8	2.6	2.9	2.7
Navkar Corporation Yard 3 CFS, Panvel	2.4	3.0	3.0	2.6	3.1
Seabird CFS, Navi Mumbai	4.9	5.9	4.9	5.9	4.8
Ashte Logistics CFS, Panvel	2.4	2.6	2.3	2.3	2.4
Dronagiri Rail Terminal CFS, Navi Mumbai	4.9	3.4	2.3	3.2	1.7
Navkar Corporation Yard 1 CFS, Panvel	3.1	3.3	2.9	3.2	3.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.8	2.8	2.4	3.0	2.4
Maersk Annex (APM)CFS, Navi Mumbai	2.0	2.7	1.7	1.8	3.0
Speedy Multimode CFS, JNPT	1.6	1.7	1.8	1.8	1.6
Apollo Logisolutions CFS, Panvel	3.6	3.4	3.0	2.6	3.9
Navkar Corporation Yard 2 CFS, Panvel	2.1	3.1	3.2	2.4	2.9
Punjab Conware CFS, Navi Mumbai	1.7	2.0	2.0	1.8	1.9
Vaishno Logistics CFS, Navi Mumbai	2.3	2.6	1.9	2.1	2.3
JWC Logistics Park CFS	2.0	2.4	2.4	2.0	2.6
SBW Logistics CFS, Navi Mumbai	4.9	4.7	4.0	4.7	4.5
Ocean Gate CFS, Panvel	2.5	2.8	2.7	2.6	2.7
Maharashtra State Corp CFS	1.7	1.9	1.9	2.0	1.9

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 Oct'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	1.7	2.0
Cluster 2	6	13	-	-
Cluster 3	6	11	2.7	-
Cluster 4	1	13	2.6	3.6
Cluster 5	2	25	2.6	4.8
Cluster 6	6	25	3.1	4.3
Cluster 7	4	12	-	-
Cluster 8	1	34	4.7	14.3

CFS Cluster : NSFT Terminal

NSFT terminal for month of Oct'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	1.6	2.9
Cluster 2	6	13	-	-
Cluster 3	6	11	3.3	-
Cluster 4	1	13	2.3	3.1
Cluster 5	2	25	2.2	3.2
Cluster 6	6	25	2.5	3.2
Cluster 7	4	12	-	-
Cluster 8	1	34	4.9	-

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**

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 Oct'23

NSIGT terminal for month of Oct'23

BMCT terminal for month of Oct'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	3.5
Cluster 2	6	13	-	-
Cluster 3	6	11	2.1	-
Cluster 4	1	13	1.9	4.5
Cluster 5	2	25	2.6	4.6
Cluster 6	6	25	3.0	5.3
Cluster 7	4	12	-	-
Cluster 8	1	34	4.0	6.9

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	1.8	2.2
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	-
Cluster 4	1	13	2.1	3.3
Cluster 5	2	25	2.3	3.7
Cluster 6	6	25	2.6	3.1
Cluster 7	4	12	-	-
Cluster 8	1	34	4.7	-

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	-	-
Cluster 3	6	11	2.0	-
Cluster 4	1	13	2.3	9.0
Cluster 5	2	25	2.6	9.4
Cluster 6	6	25	3.0	11.0
Cluster 7	4	12	-	-
Cluster 8	1	34	4.5	17.6

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**

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:

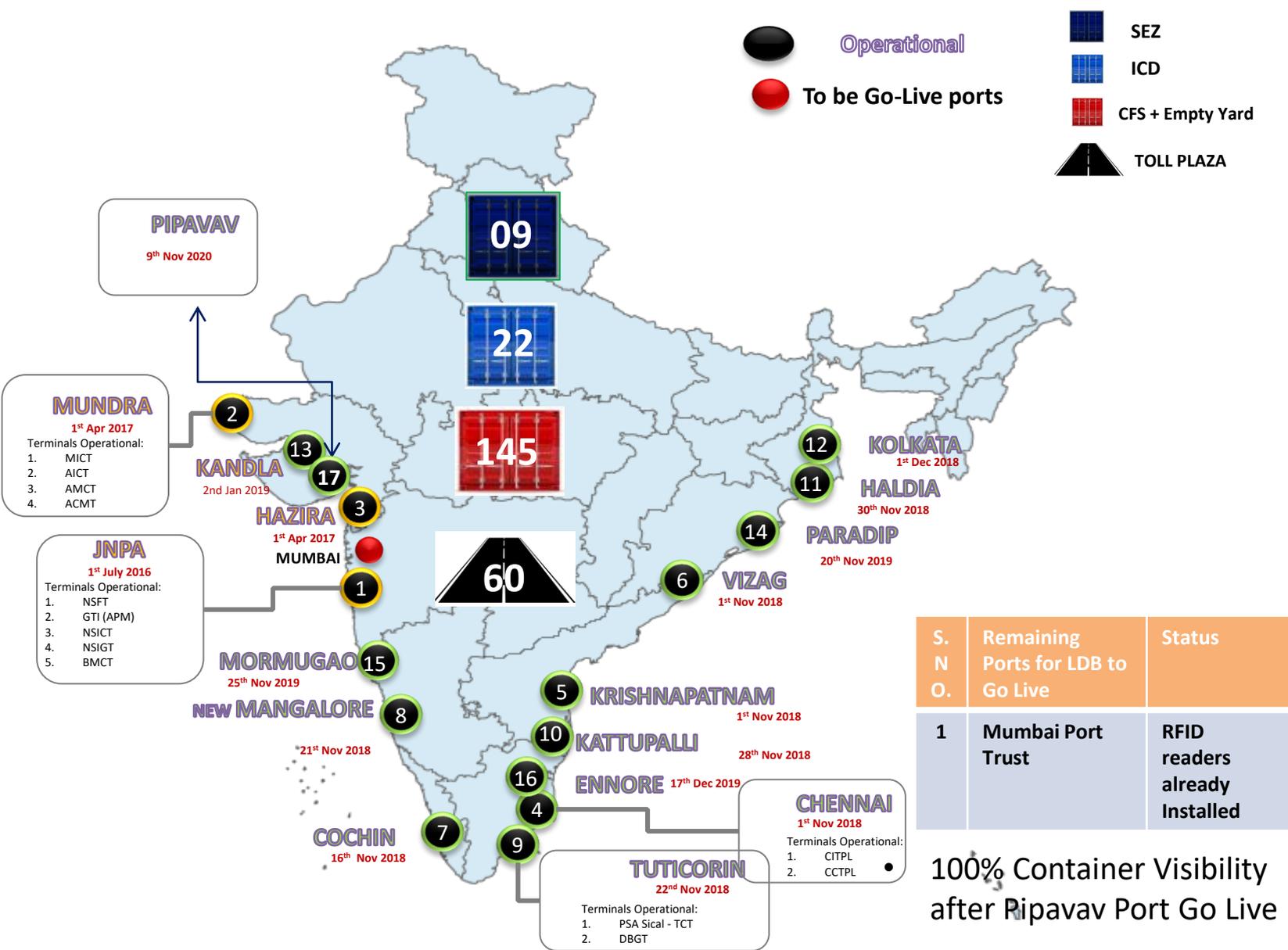
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	70.6	37.1	76.0	76.0	-	67.3
Ankaleshwar	47.8	38.0	37.2	37.2	-	38.7
Ballabgarh	161.7	112.7	-	-	-	118.1
Bangalore	-	78.2	-	-	-	78.2
Baroda	-	-	136.1	136.1	112.7	136.1
Boisar	170.7	18.4	96.9	96.9	82.4	92.5
Dadri	46.4	10.6	43.1	43.1	39.7	46.0
Daulatabad	48.3	43.2	55.1	55.1	41.1	46.7
Faridabad	154.0	100.3	229.6	229.6	79.3	121.6
Guhati	188.5	95.9	198.6	198.6	189.5	109.7
Indore	79.2	10.9	54.1	54.1	54.6	55.0
Jaipur	123.0	17.3	35.6	35.6	15.2	35.4
Kanpur	96.1	52.8	83.4	83.4	49.6	66.9
Khatuwas	79.0	72.4	-	-	-	48.7
Khodiyar	46.8	55.1	74.9	74.9	29.0	51.8
Ludhiana	81.7	52.6	210.0	210.0	26.4	49.8
Malanpur	80.7	57.2	80.7	80.7	65.5	79.7
Mandideep	60.8	6.8	67.5	67.5	51.6	54.8
Moradabad	33.3	38.2	33.9	33.9	32.9	35.1
Nagpur	48.6	9.7	38.1	38.1	37.3	40.0
Navi Mumbai	21.2	18.9	19.9	19.9	16.7	19.6
Pantnagar	-	-	110.5	110.5	-	110.5
Patparganj	109.2	68.3	39.1	39.1	-	77.7
Sanatnagar	46.3	13.4	42.4	42.4	-	44.6
Thimmapur	127.6	-	137.2	137.2	137.7	133.9
Tughlakabad	53.3	7.2	98.7	98.7	25.1	52.4
Umbergaon	-	-	155.4	155.4	-	99.9
Valvada	-	-	37.1	37.1	-	37.1

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	29.8	100.8	18.7	18.7	21.6	24.6
Ameya Logistics CFS, Navi Mumbai	18.6	-	16.1	16.1	18.4	17.2
APM (Maersk India) CFS, Navi Mumbai	37.7	10.8	14.4	14.4	18.9	16.8
Apollo Logisolutions CFS, Panvel	22.9	13.0	14.7	14.7	24.3	17.7
Ashte Logistics CFS, Panvel	18.7	12.0	20.0	20.0	15.3	15.2
Balmer & Lawrie CFS, Navi Mumbai	30.0	16.7	17.5	17.5	15.5	19.9
Continental Warehousing CFS, Navi Mumbai	17.6	14.2	21.0	21.0	20.6	17.2
CWC Impex Park	18.5	14.7	22.2	22.2	18.5	17.2
Dronagiri Rail Terminal CFS, Navi Mumbai	32.2	18.9	24.0	24.0	-	24.3
EFC Logistics	22.3	15.6	17.7	17.7	21.9	17.7
Gateway Distriparks CFS, Navi Mumbai	26.7	17.8	22.2	22.2	22.0	21.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	15.8	15.8	18.6	16.7
JWC Logistics Park CFS	18.2	12.0	15.5	15.5	18.4	14.6
Kerry Indev Logistics Pvt Ltd CFS	19.1	14.5	19.0	19.0	24.2	16.8
Maharashtra State Corp CFS	53.6	16.0	21.2	21.2	30.4	23.7
Navkar Corporation	29.1	16.1	19.1	19.1	20.8	20.0
Ocean Gate CFS, Panvel	20.6	11.8	14.8	14.8	18.5	15.6
Sarveshwar Logistics	20.4	10.3	12.4	12.4	13.5	13.3
SBW Logistics CFS, Navi Mumbai	51.4	-	37.0	37.0	-	49.3
Seabird CFS, Navi Mumbai	39.8	57.1	29.1	29.1	36.4	35.0
Speedy Multimode CFS, JNPT	25.0	0.7	16.7	16.7	17.5	19.6
Take Care Logistics	16.3	12.8	17.7	17.7	13.8	15.9
TG Terminals	23.5	-	17.4	17.4	17.5	20.0
Vaishno Logistics CFS, Navi Mumbai	33.7	22.5	31.6	31.6	32.6	30.2



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



THANK YOU