

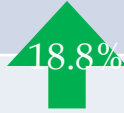



Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Oct'23 (in hrs)	Nov'23 (in hrs)	Port	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	23.1	19.4	NSFT	72.3	79.3
NSICT	22.6	19.6	NSICT	52.4	53.4
GTI	16.8	15.4	GTI	65.3	68.5
NSIGT	23.6	21.5	NSIGT	73.1	84.8
BMCT	30.6	23.9	BMCT	66.3	80.7

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance (Port Dwell Time) in Import Cycle has improved and Export Cycle has declined from the previous month. Overall container handling performance at CFS (CFS Dwell Time) has declined and ICD (ICD Dwell Time) has improved from the previous month.

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Nov'23	18.2 hrs  18.8%	69.3 hrs  6.5%	88.3 hrs  6.8%	128.2 hrs  5.4%
Oct'23	22.4 hrs	65.1 hrs	82.7 hrs	135.5 hrs

Port Dwell Time

IMPORT

Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall	25.7	22.3
Truck	20.9	17.6
Train	61.0	61.4

EXPORT

Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall	81.0	88.3
Truck	76.4	83.7
Train	108.1	112.3

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	Oct'23 (in hrs)	Nov'23 (in hrs)
CFS	87.9	91.7
ICD	135.5	128.2

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

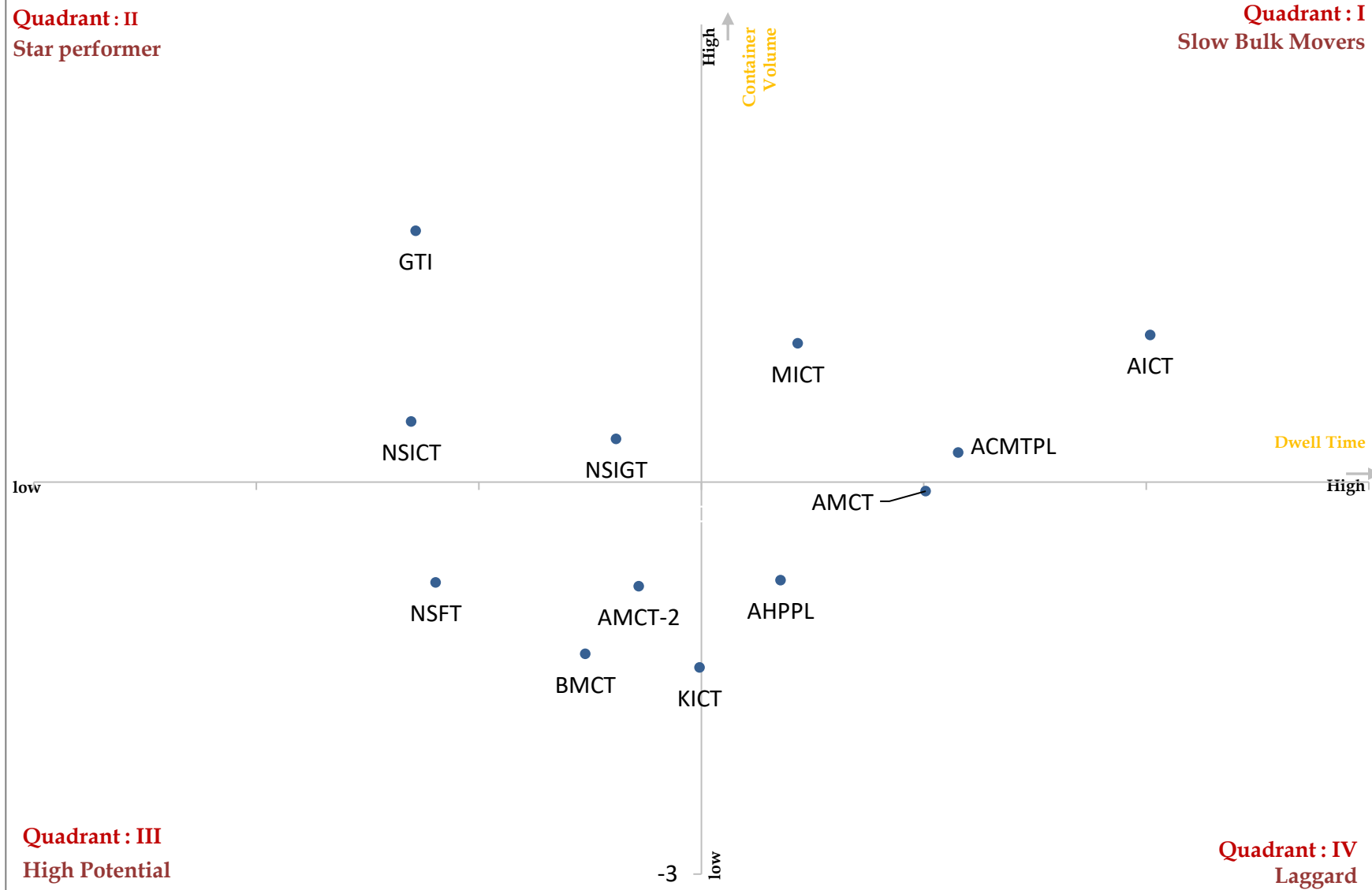
The marked entries showcase Decrease in performance in comparison to Oct'23



Performance Benchmarking - Port Terminals

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

Performance Index - Nov'23



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

Top Performing Terminal

Gateway Terminals India (GTI)

Oct'23	Nov'23
33.8 hrs	35.0 hrs



Low Performing Terminal

Adani Hazira Port Private Limited (AHPPL)

Oct'23	Nov'23
58.1 hrs	61.1 hrs



Note: The performance benchmarking is based on performance index



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

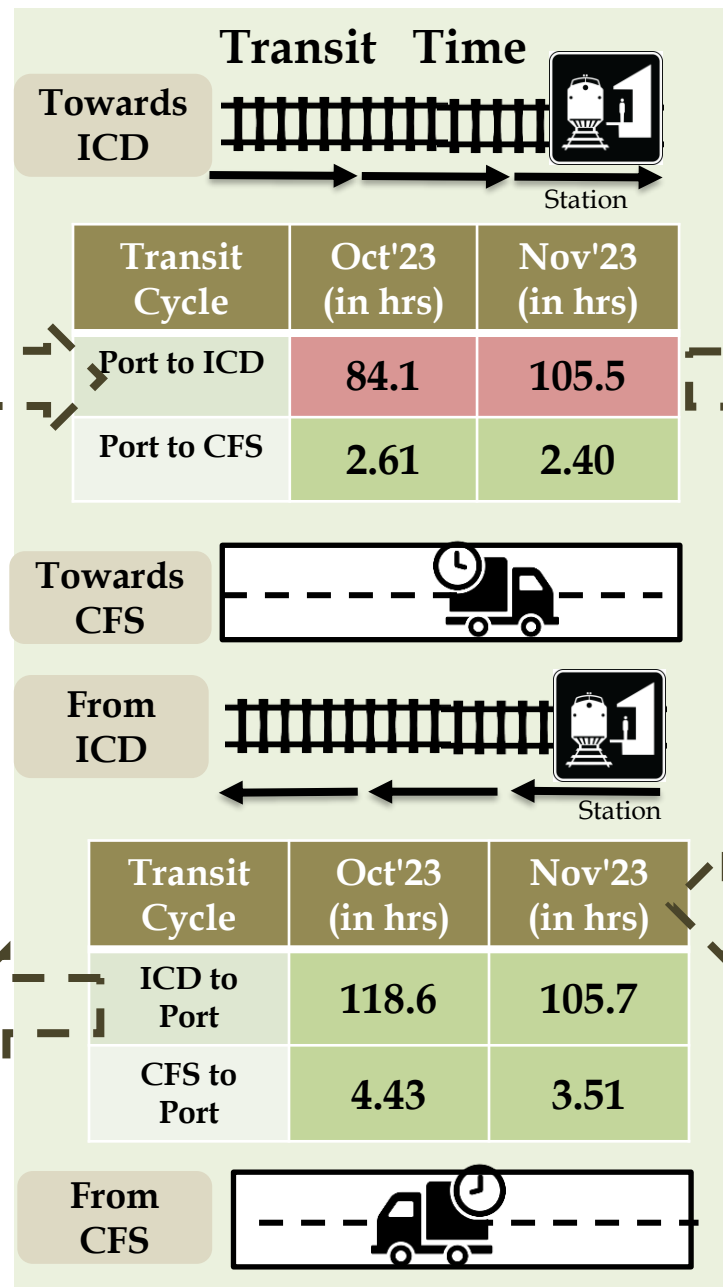
Container Lifecycle (Import Cycle)

IMPORT

Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall	22.4	18.2
Truck	19.1	15.4
Train	55.0	53.1

EXPORT

Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall	65.1	69.3
Truck	64.1	69.0
Train	73.7	71.0



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

Entity	Oct'23 (in hrs)	Nov'23 (in hrs)
CFS	82.7	88.3
ICD	135.5	128.2

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	82%	18%
Export	81%	19%

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

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

Container Lifecycle (Export Cycle)

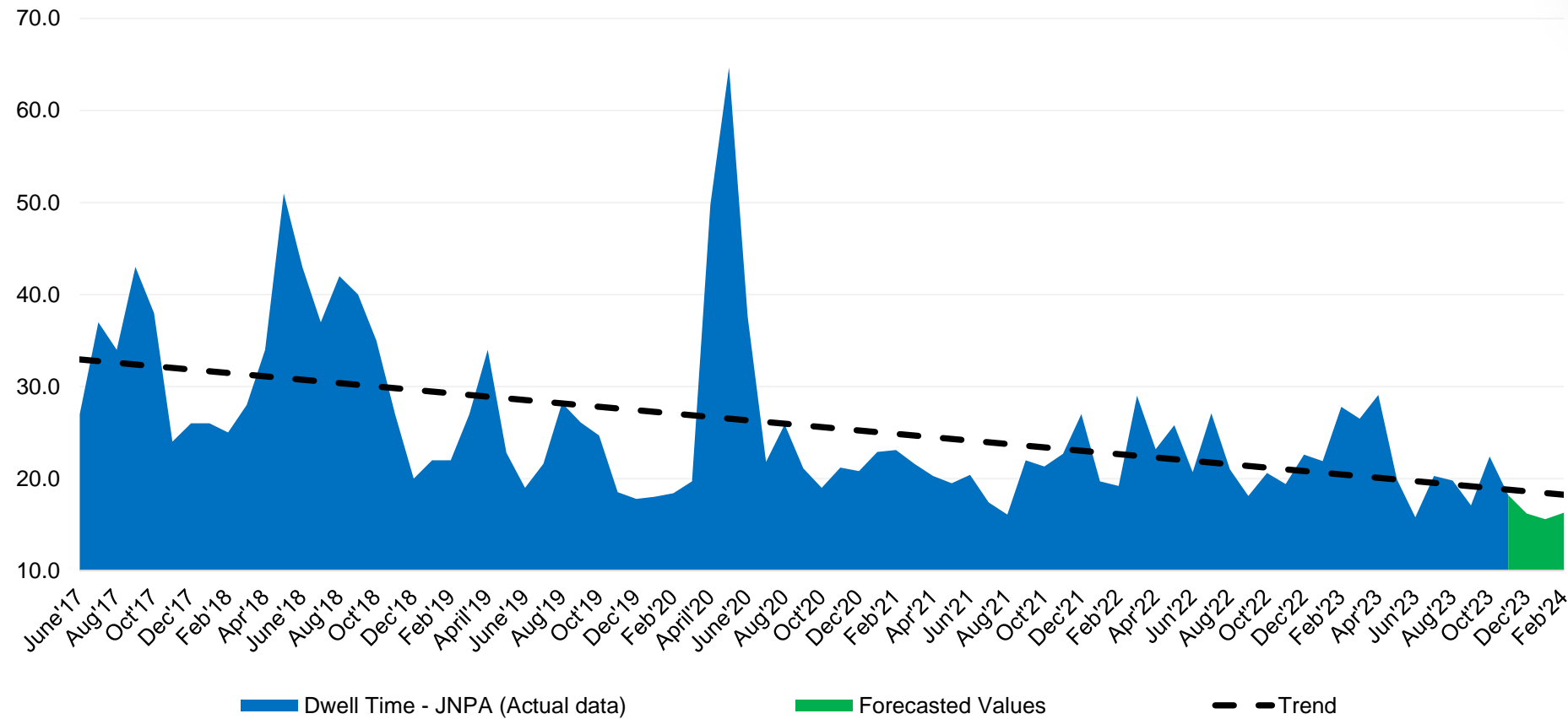
Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Nov'23 - in hrs)			Compared to Oct'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	18.2	18.8%	↑
	Port Dwell Time for Truck Bound Containers	15.4	19.4%	↑
	Port Dwell time for Train Bound Containers	53.1	3.5%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	22.1	13.0%	↑
	Port Dwell time Containers bound for CFS	14.0	25.9%	↑
	Port Dwell for Empty Containers	22.0	8.3%	↑
	Port Dwell for Laden Containers	17.7	20.3%	↑
TRANSIT TIME	Port to ICD	105.7	25.7%	↓
	Port to CFS	2.40	8.0%	↑

EXPORT CYCLE DWELL TIME (Nov'23- in hrs)			Compared to Oct'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	69.3	6.5%	↓
	Port Dwell Time for Truck Bound Containers	69.0	7.6%	↓
	Port Dwell time for Train Bound Containers	71.0	3.7%	↑
	Port Dwell time Direct Port Entry (DPE) containers	76.1	7.8%	↓
	Port Dwell time Containers bound from CFS	68.4	6.9%	↓
	Port Dwell for Empty Containers	64.0	7.9%	↓
	Port Dwell for Laden Containers	71.8	5.3%	↓
TRANSIT TIME	ICD to Port	105.7	10.9%	↑
	CFS to Port	3.51	20.8%	↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Oct'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 maxima in Feb'24.



	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24
Actual Dwell Time (in hours)	17.1	22.4	18.2	-	-	-
Forecasted Dwell Time (in hours)	19.2	18.5	15.8	16.2	15.6	16.3

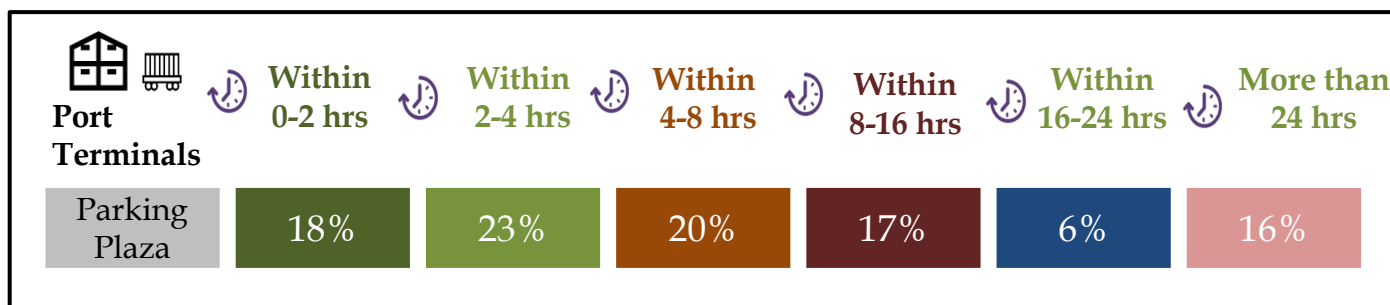
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall Parking Plaza	4.86	5.30

Container Handled: Day wise (Nov'23)



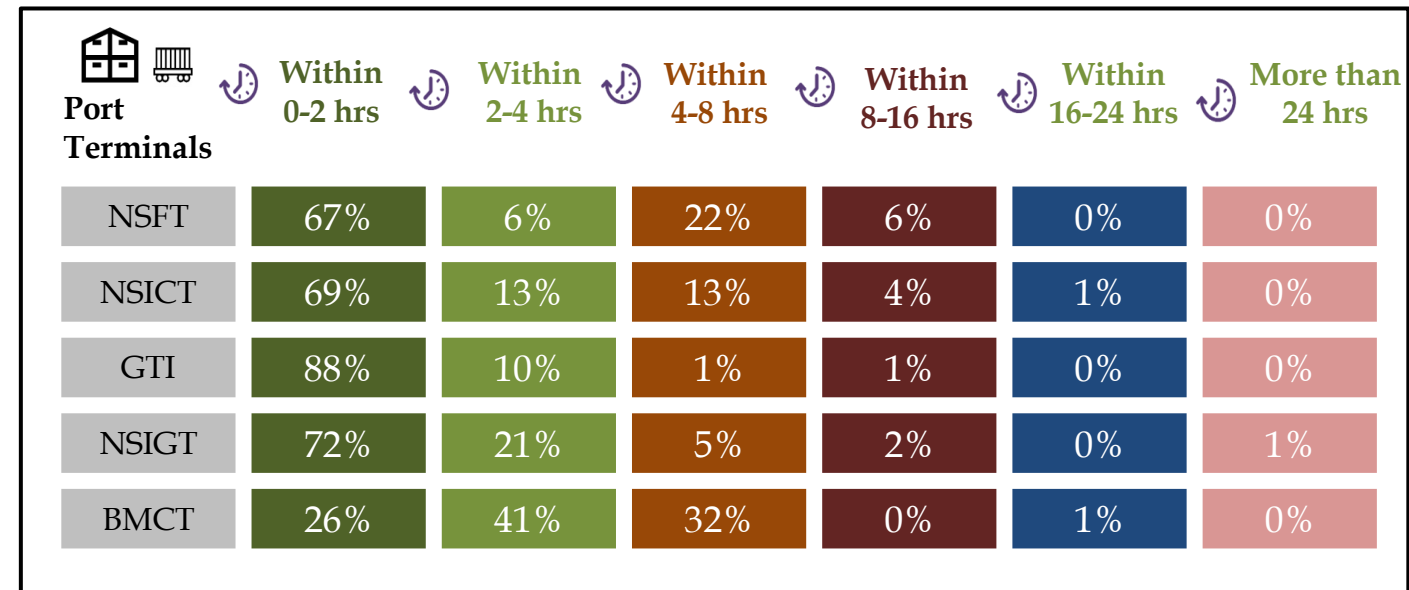
Parking Plaza Gate Out - Terminal In



Mode	Oct'23 (in hrs)	Nov'23 (in hrs)
Overall Parking Plaza to JNPA Port	2.03	1.22

Port	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	0.9	1.2
NSICT	2.0	1.2
GTI	1.2	0.5
NSIGT	1.0	1.1
BMCT	7.9	2.8

Container Handled: Day wise (Nov'23)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra	
Oct'23	Nov'23
91.6 hrs	84.0 hrs

Low Performing CFS

Take Care Logistics CFS	
Oct'23	Nov'23
104.4 hrs	123.7 hrs

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

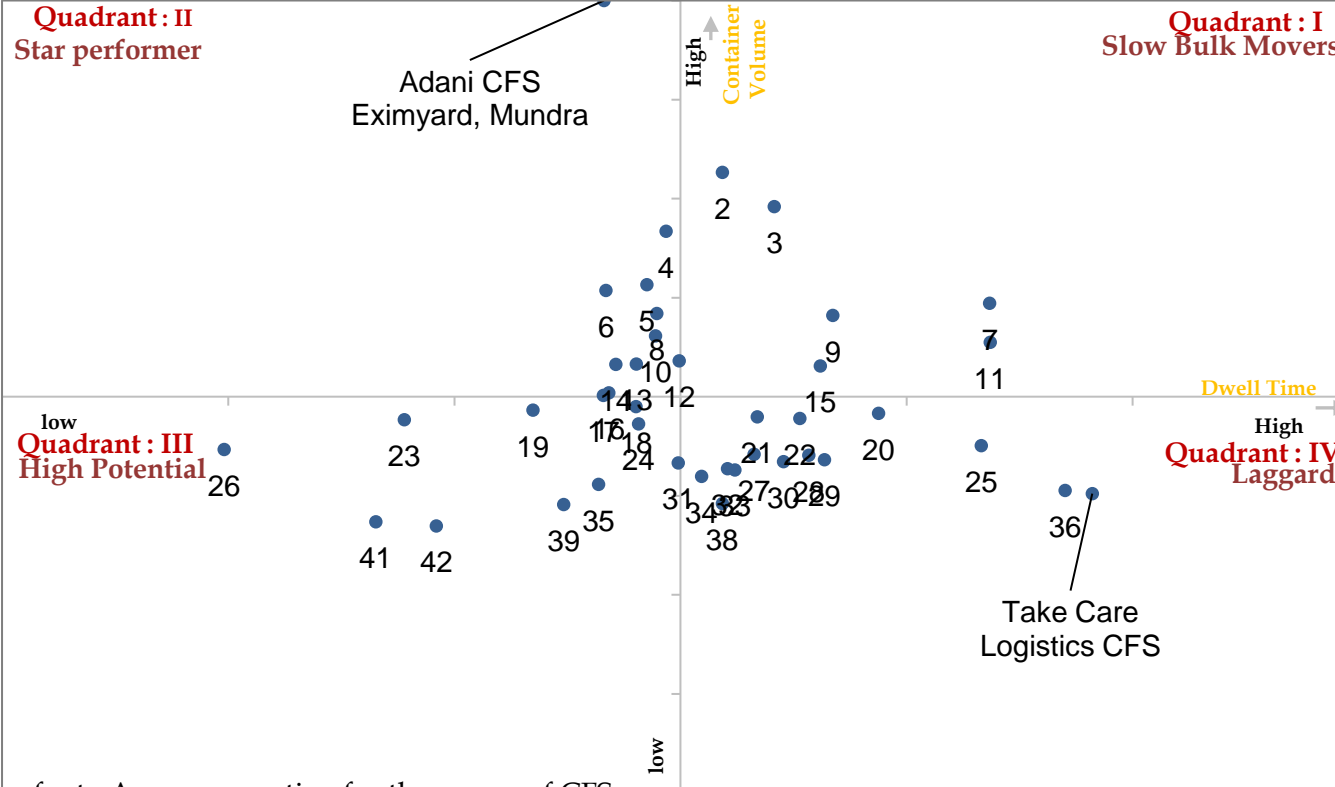
Top Performing ICD

Pristine ICD Chawapail, Ludhiana	
Oct'23	Nov'23
137.1 hrs	107.8 hrs

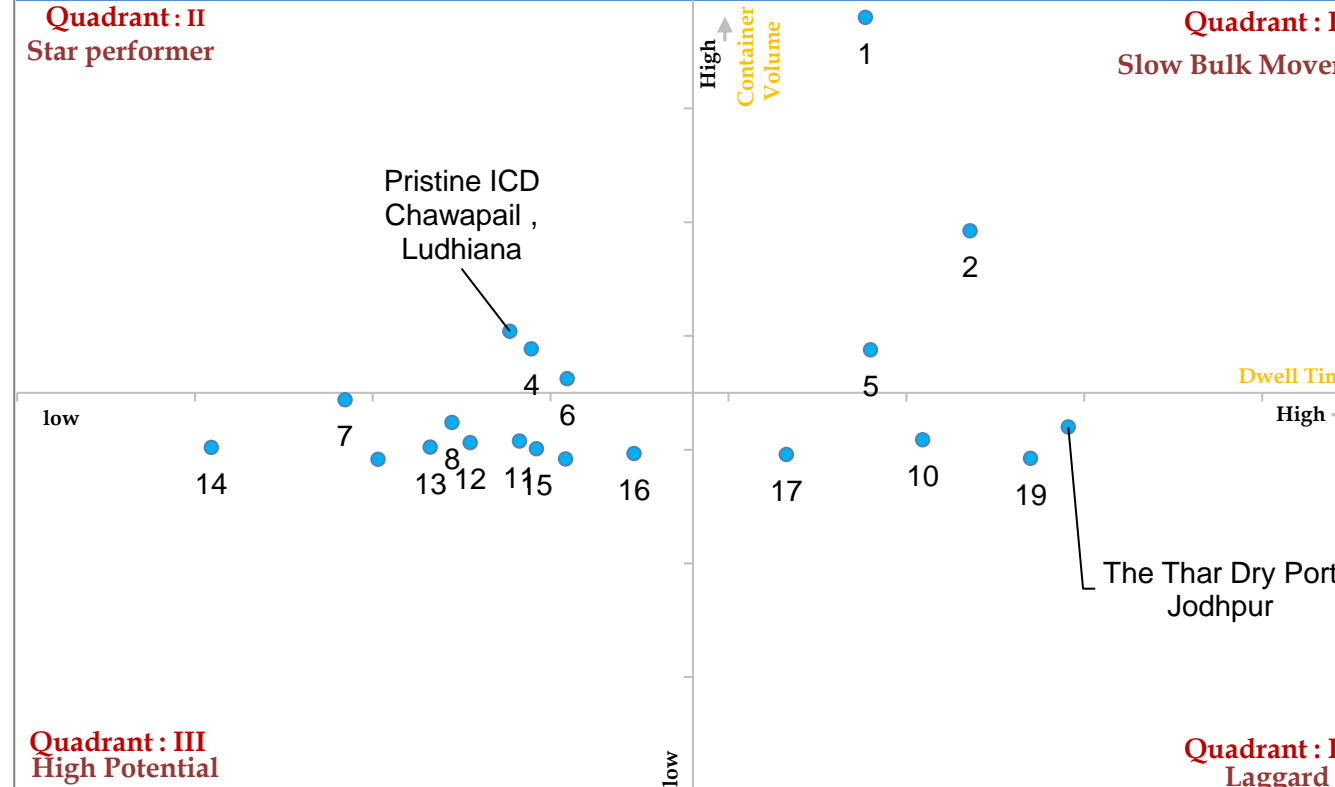
Low Performing ICD

The Thar Dry Port Jodhpur	
Oct'23	Nov'23
116.8 hrs	151.7 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

(18% 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	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	58.2	45.9
NSICT	54.2	68.0
GTI	44.6	41.3
NSIGT	58.0	64.6
BMCT	66.1	83.7

Container Handled: Day wise (Nov'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	17%	37%	17%	11%	12%	7%
NSICT	22%	17%	13%	13%	16%	18%
GTI	26%	31%	16%	9%	7%	10%
NSIGT	13%	24%	16%	11%	14%	22%
BMCT	4%	17%	16%	31%	20%	12%

PORT IMPORT via TRUCK

(82% 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	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	18.7	16.7
NSICT	20.3	17.0
GTI	14.9	13.5
NSIGT	19.6	17.3
BMCT	25.6	18.4

Container Handled: Day wise (Nov'23)

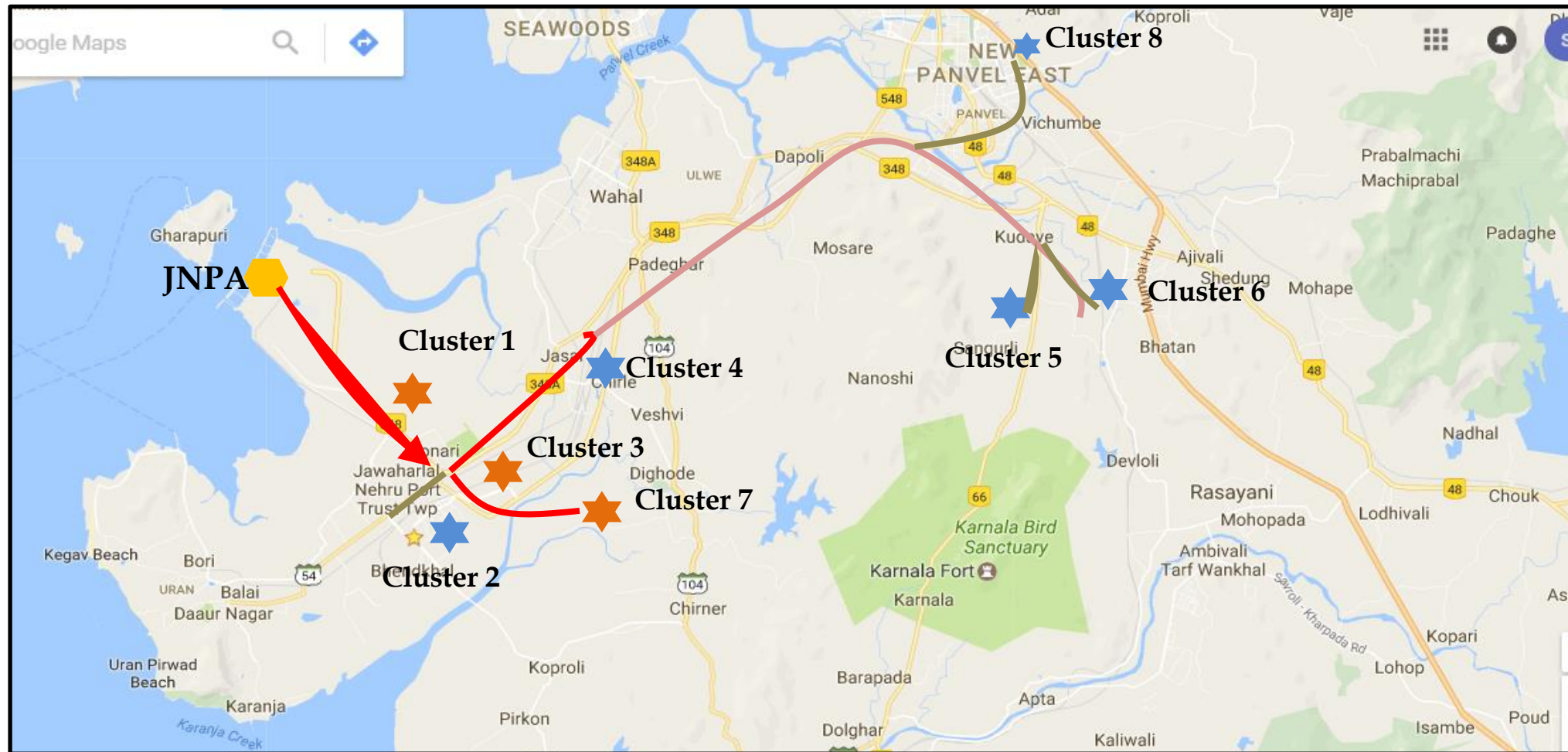
Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	68%	21%	6%	2%	2%	0%
NSICT	68%	23%	4%	2%	1%	2%
GTI	77%	16%	4%	1%	1%	1%
NSIGT	68%	23%	5%	2%	1%	1%
BMCT	65%	24%	6%	1%	2%	1%

The below tables depict the detailed JNPA region port performance in the month of Nov'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	19.3	13.7	28.8	17.5
NSICT	59.9	16.8	17.9	20.0
GTI	34.3	12.4	22.2	15.0
NSIGT	57.2	16.4	23.8	21.2
BMCT	47.1	16.6	24.6	23.9

JNPA Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPA Area
CLUSTER 3	Sonari area, JNPA road
CLUSTER 7	Patilpada area, Khopate 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 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

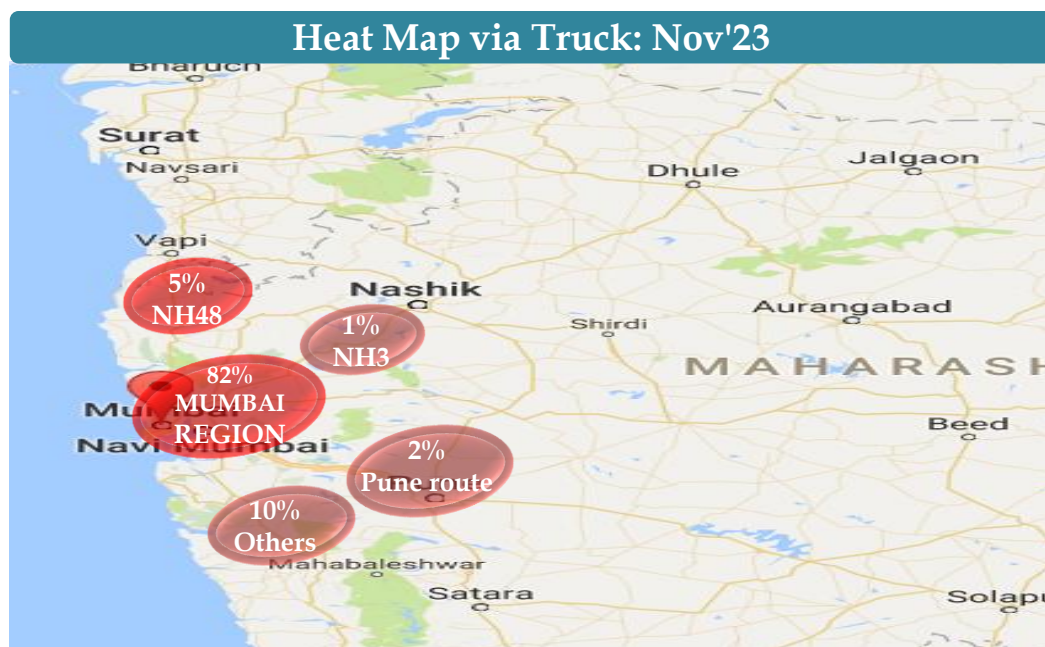
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Nov'23
Mumbai region	82%
NH3	1%
Pune	2%
NH48	5%
Others	10%

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

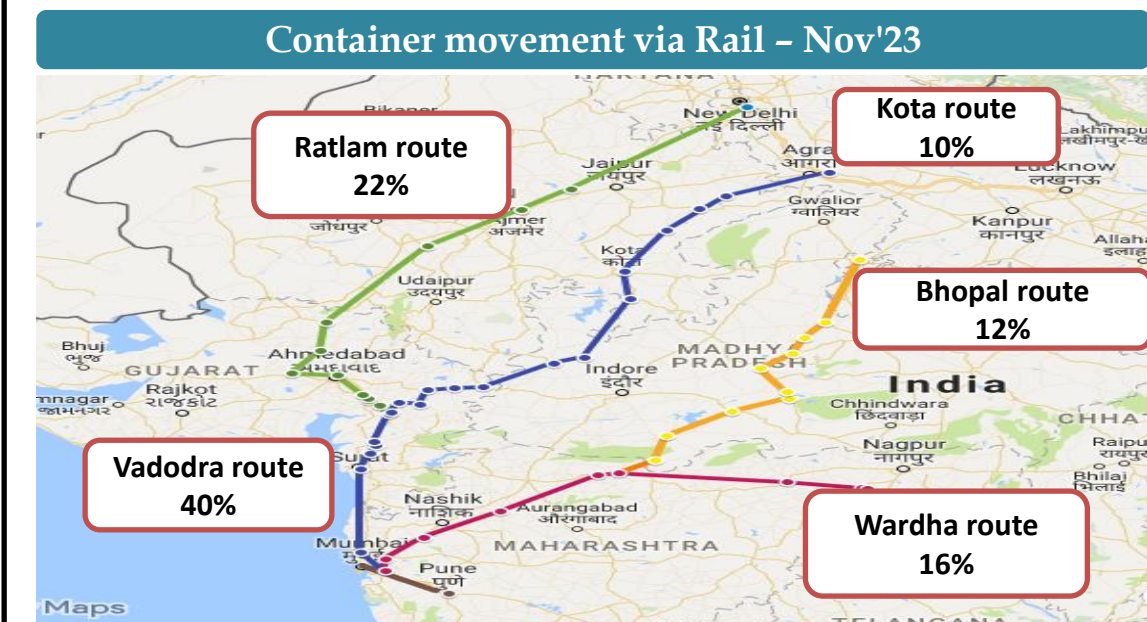


Train

VOLUME WISE CONTAINER MOVEMENT

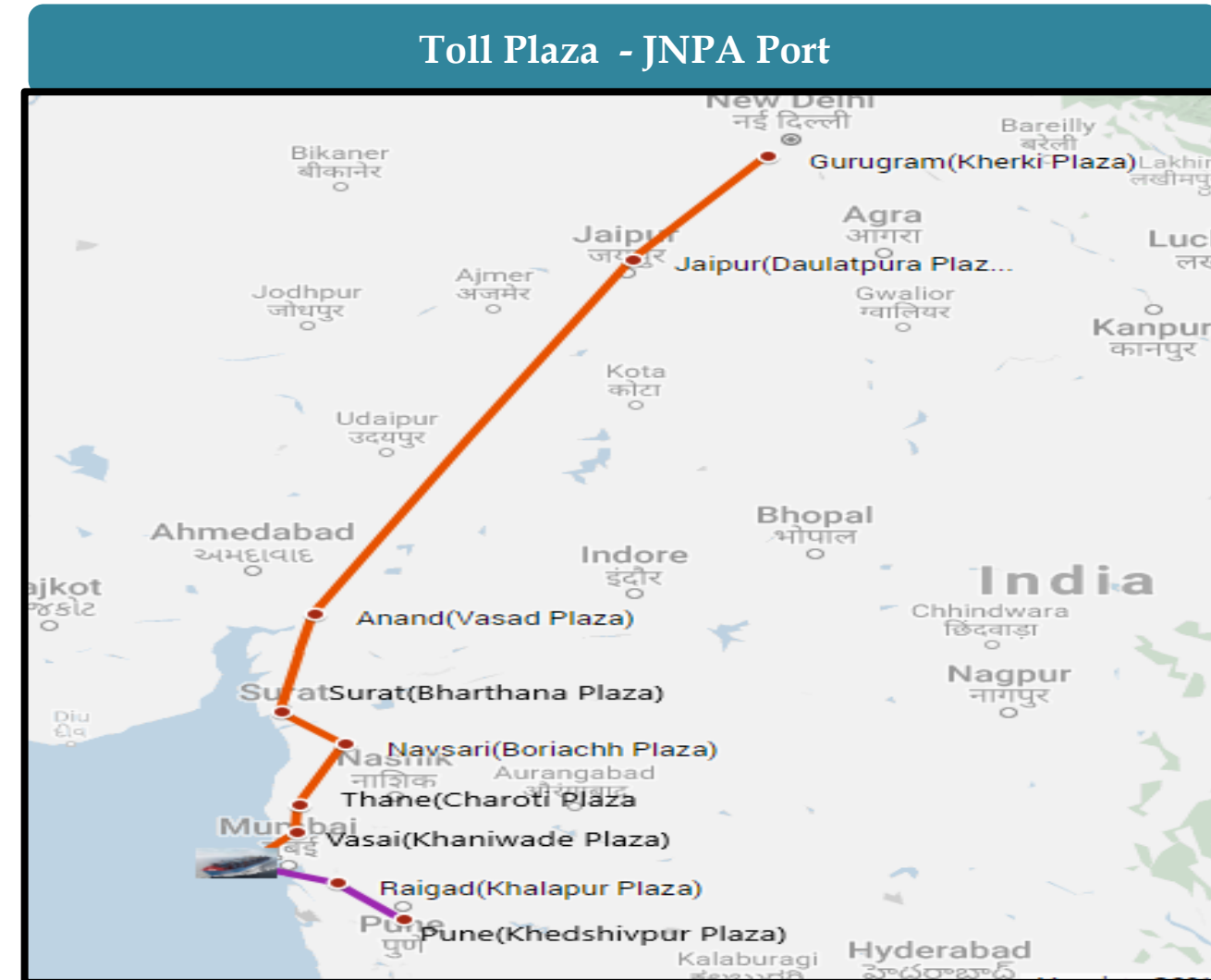
Region	Nov'23
Vadodra Route	40%
Ratlam Route	22%
Wardha Route	16%
Kota Route	10%
Bhopal Route	12%

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)	Oct'23 (in km/hrs)	Nov'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	11.9	14.7
	JNPA	Khalapur	60	8.5	-
	Khaniwade	Charoti	50	31.3	34.6
	Charoti	Boriach	126	17.9	20.3
	Boriach	Bharthan	142	30.9	35.3
	Bharthan	Vasad	60	36.7	36.0
	Khalalpur	Khedshivpur	105	31.0	30.4



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

(19% 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	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	108.5	100.4
NSICT	27.1	21.1
GTI	81.6	90.5
NSIGT	96.7	101.0
BMCT	99.2	90.5

Container Handled: Day wise (Nov'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%	16%	21%	34%	19%
NSICT	51%	16%	9%	6%	8%	10%
GTI	7%	13%	18%	16%	26%	20%
NSIGT	3%	11%	14%	18%	28%	25%
BMCT	0%	15%	21%	22%	24%	18%

PORT EXPORT via TRUCK

(81% 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	Oct'23 (in hrs)	Nov'23 (in hrs)
NSFT	71.0	76.2
NSICT	58.1	59.5
GTI	63.7	66.4
NSIGT	69.5	82.5
BMCT	61.9	78.1

Container Handled: Day wise (Nov'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%	16%	23%	28%	25%	2%
NSICT	9%	27%	27%	20%	15%	2%
GTI	5%	24%	28%	26%	18%	0%
NSIGT	9%	13%	19%	23%	28%	8%
BMCT	3%	16%	25%	24%	31%	0%

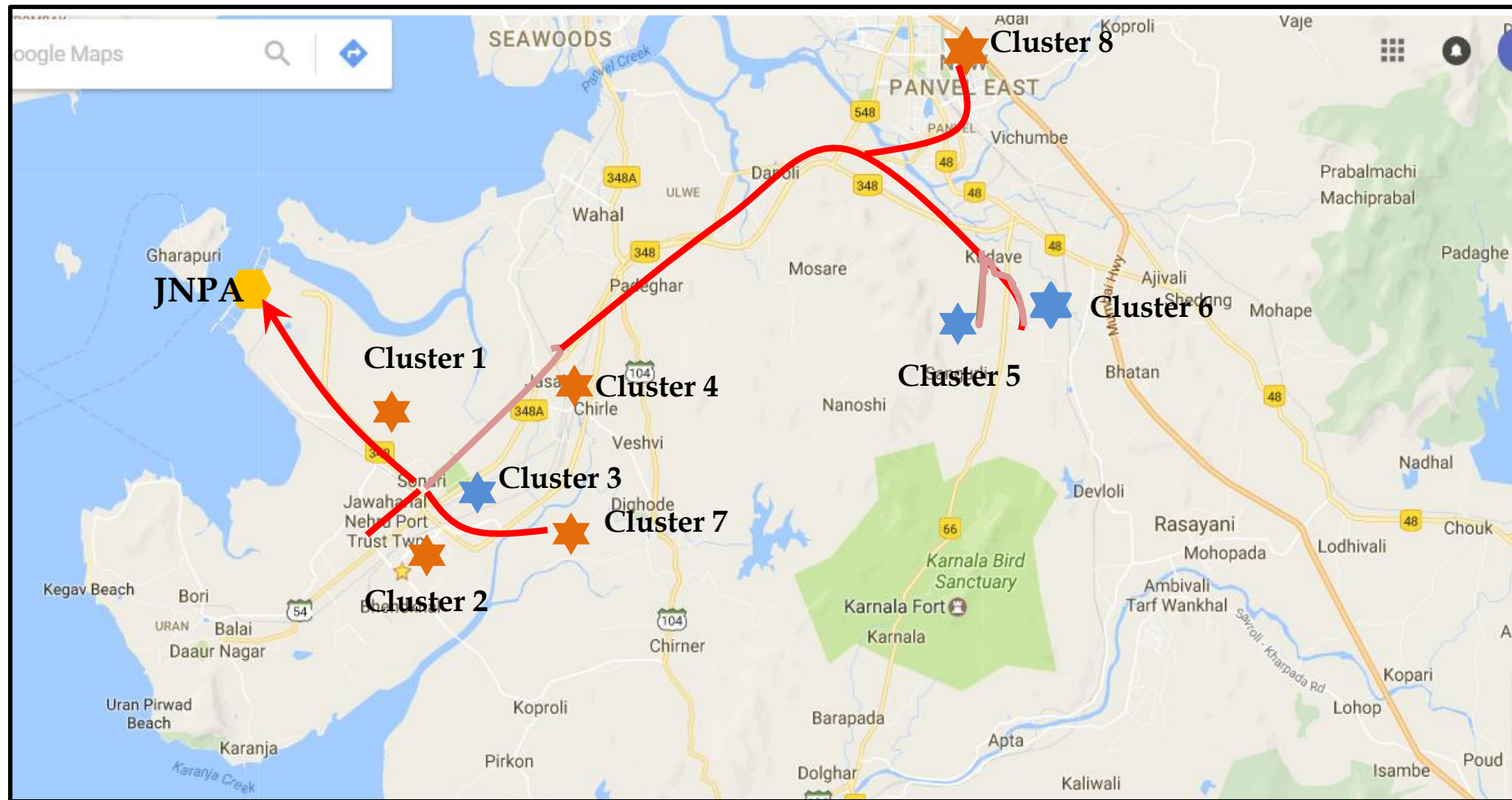
JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Nov'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	82.5	73.0	77.9	79.6
NSICT	70.4	59.7	45.0	59.4
GTI	71.8	67.2	65.2	70.9
NSIGT	84.7	79.0	91.2	82.6
BMCT	-	67.2	94.9	71.3

JNPA Region: Congestion Analysis (Export Cycle)

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



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

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

CFS and ICD Performance

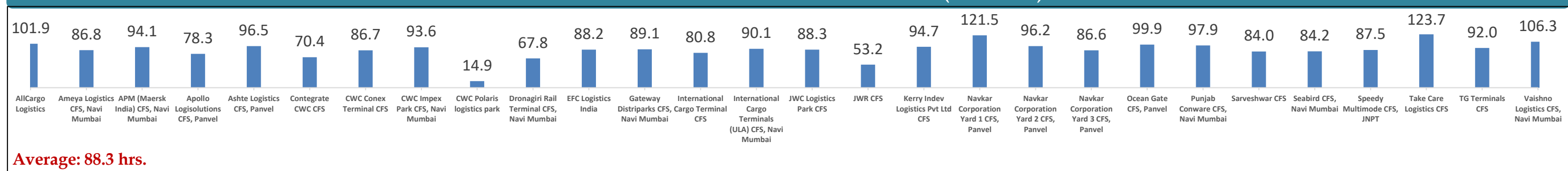
JNPA region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs.)

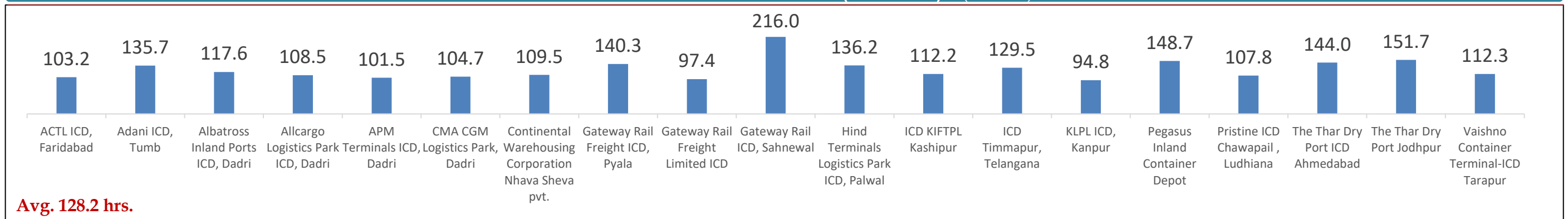
CFS	Oct'23 (in hrs)	Nov'23 (in hrs)	CFS	Oct'23 (in hrs)	Nov'23 (in hrs)
AllCargo Logistics	81.0	101.9	JWC Logistics Park CFS	88.6	88.3
Ameya Logistics CFS, Navi Mumbai	78.2	86.8	JWR CFS	48.7	53.2
APM (Maersk India) CFS, Navi Mumbai	100.8	94.1	Kerry Indev Logistics Pvt Ltd CFS	85.9	94.7
Apollo Logisolutions CFS, Panvel	70.9	78.3	Navkar Corporation Yard 1 CFS, Panvel	109.9	121.5
Ashte Logistics CFS, Panvel	94.0	96.5	Navkar Corporation Yard 2 CFS, Panvel	92.5	96.2
Contegrate CWC CFS	90.6	70.4	Navkar Corporation Yard 3 CFS, Panvel	76.4	86.6
CWC Conex Terminal CFS	77.2	86.7	Ocean Gate CFS, Panvel	96.2	99.9
CWC Impex Park CFS, Navi Mumbai	81.7	93.6	Punjab Conware CFS, Navi Mumbai	93.9	97.9
CWC Polaris logistics park	20.2	14.9	Sarveshwar CFS	91.8	84.0
Dronagiri Rail Terminal CFS, Navi Mumbai	64.1	67.8	Seabird CFS, Navi Mumbai	70.0	84.2
EFC Logistics India	79.2	88.2	Speedy Multimode CFS, JNPT	85.2	87.5
Gateway Distriparks CFS, Navi Mumbai	73.8	89.1	Take Care Logistics CFS	104.4	123.7
International Cargo Terminal CFS	69.1	80.8	TG Terminals CFS	75.9	92.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	83.0	90.1	Vaishno Logistics CFS, Navi Mumbai	92.8	106.3

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



ICD	Oct'23 (in hrs)	Nov'23 (in hrs)
ACTL ICD, Faridabad	106.3	103.2
Adani ICD, Tumb	133.5	135.7
Albatross Inland Ports ICD, Dadri	135.1	117.6
Allcargo Logistics Park ICD, Dadri	112.2	108.5
APM Terminals ICD, Dadri	130.8	101.5
CMA CGM Logistics Park, Dadri	112.2	104.7
Continental Warehousing Corporation Nhava Sheva pvt.	118.7	109.5
Gateway Rail Freight ICD, Pyala	167.9	140.3
Gateway Rail Freight Limited ICD	57.8	97.4
Gateway Rail ICD, Sahnewal	203.6	216.0
Hind Terminals Logistics Park ICD, Palwal	159.1	136.2
ICD KIFTPL Kashipur	120.4	112.2
ICD Timmapur, Telangana	156.8	129.5
KLPL ICD, Kanpur	90.3	94.8
Pegasus Inland Container Depot	162.6	148.7
Pristine ICD Chawapail, Ludhiana	137.1	107.8
The Thar Dry Port ICD Ahmedabad	145.8	144.0
The Thar Dry Port Jodhpur	116.8	151.7
Vaishno Container Terminal-ICD Tarapur	121.7	112.3

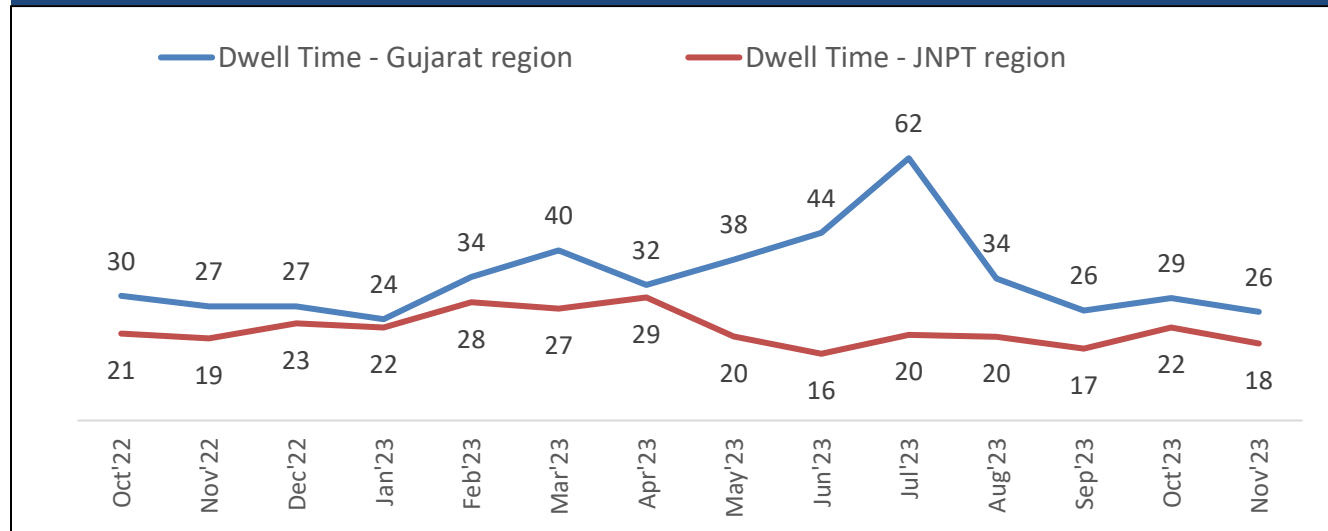
ICD - DWELL OVERVIEW (NOV'23) (In Hrs)



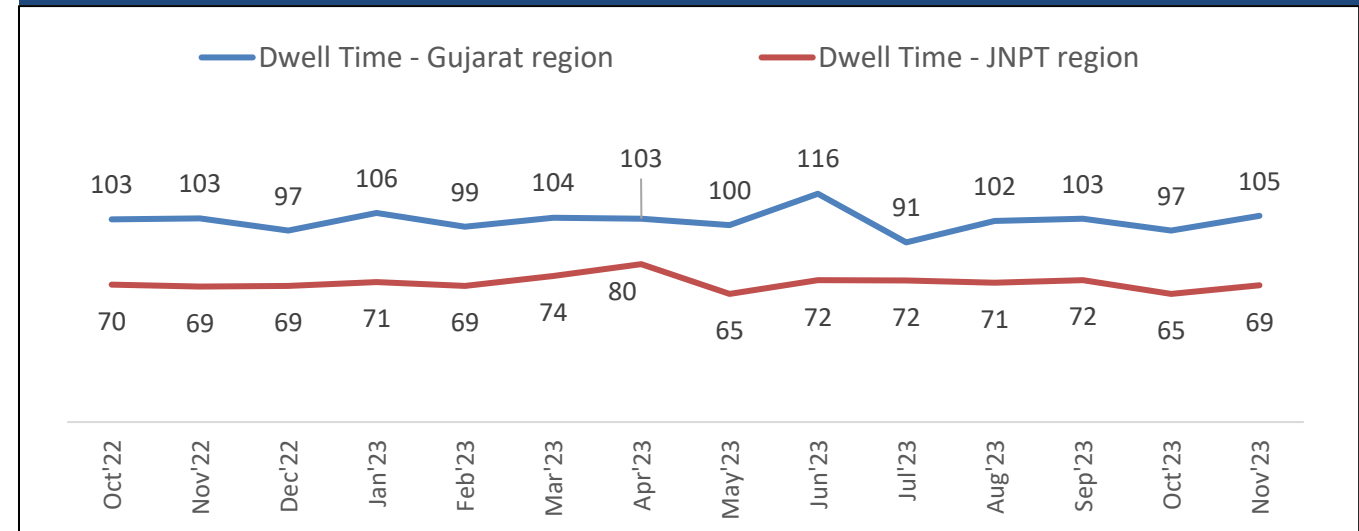
Trend Analysis

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

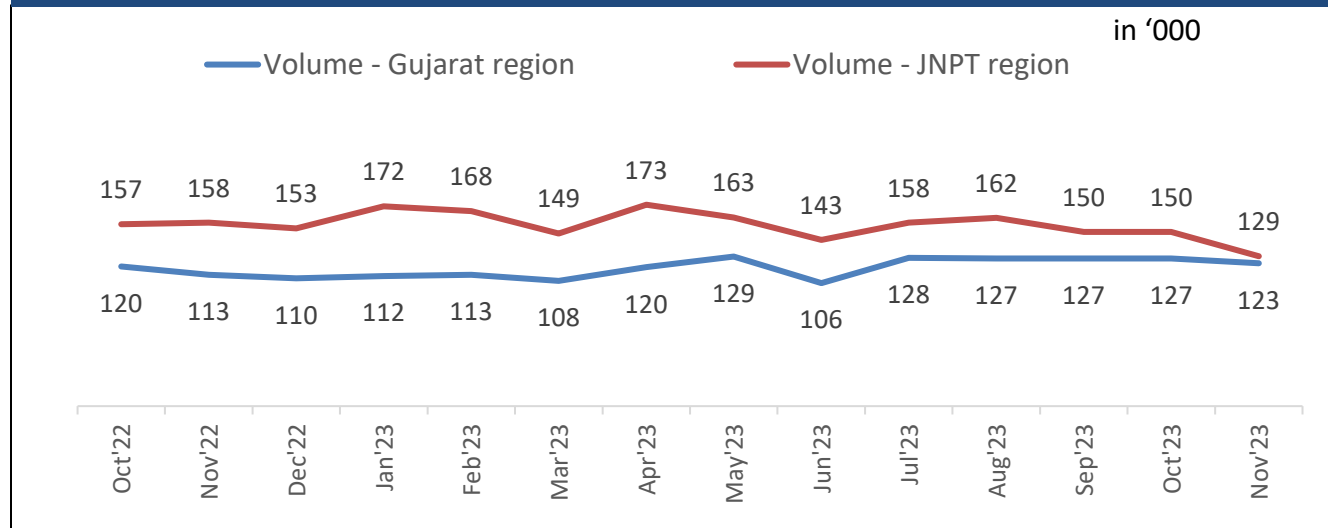
Dwell Time – Mundra Region Vs JNPA Region



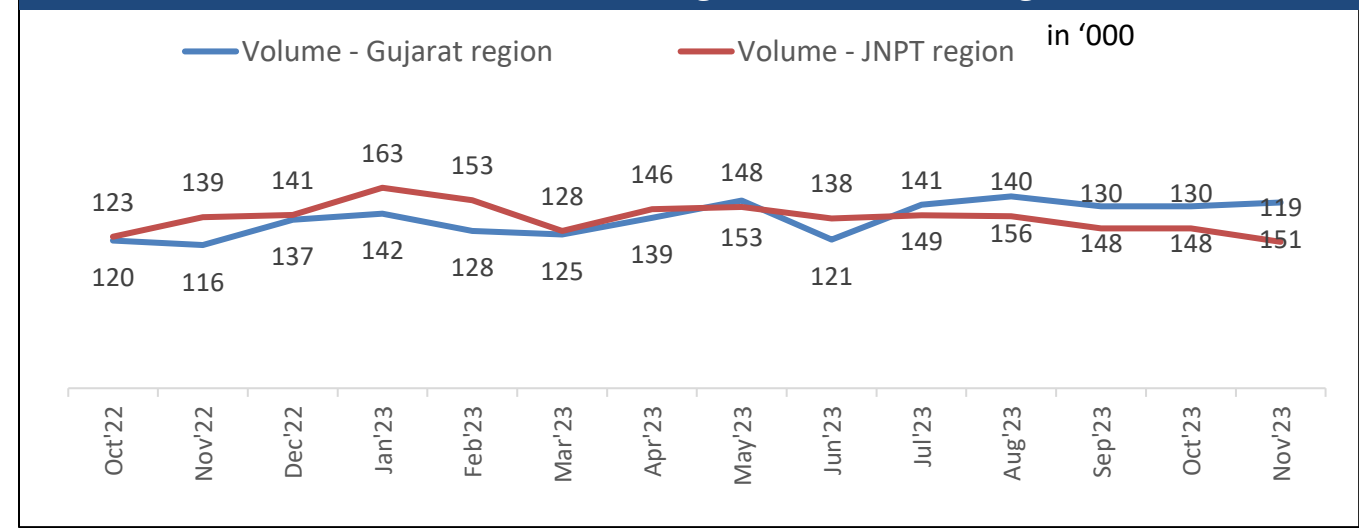
Dwell Time – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region



Volume – Mundra Region Vs JNPA Region

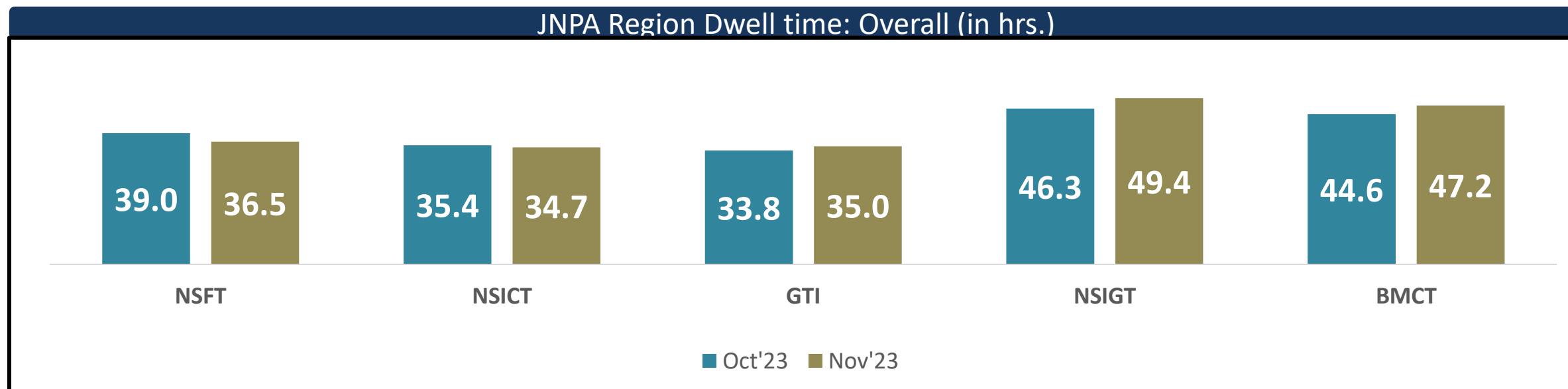


In Import cycle, for the month of Nov'23 Mundra port has catered 4.4% **less volume** than JNPA Port, and has performed with 41.5% **higher dwell time** than JNPA Port.

In Export cycle, for the month Nov'23 JNPA port catered 21.1% **lower volume** than Mundra Port, and has maintained 33.7% **lower dwell time** than Mundra Port

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



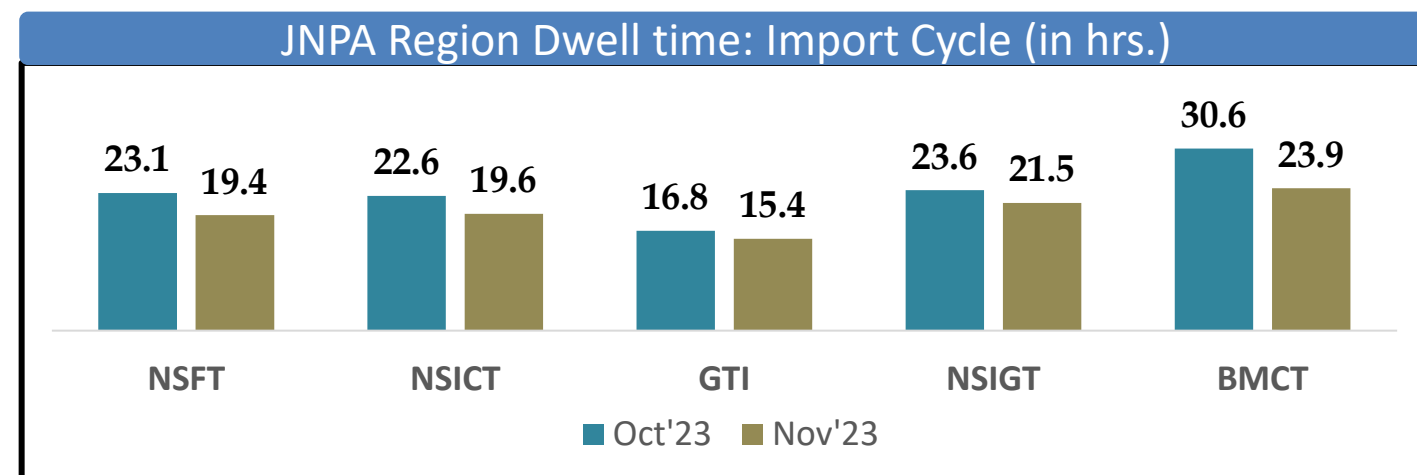
The overall JNPA region average dwell time for Nov'23 is **37.9 hrs.**

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



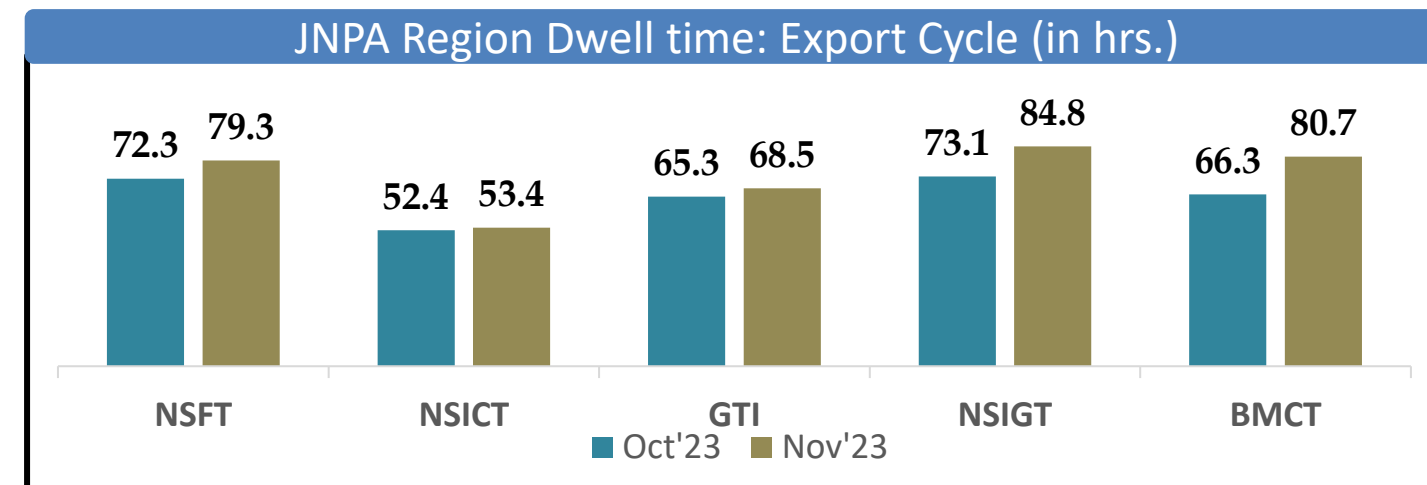
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Nov'23 is **18.2 hrs.**



JNPA Export cycle Trend

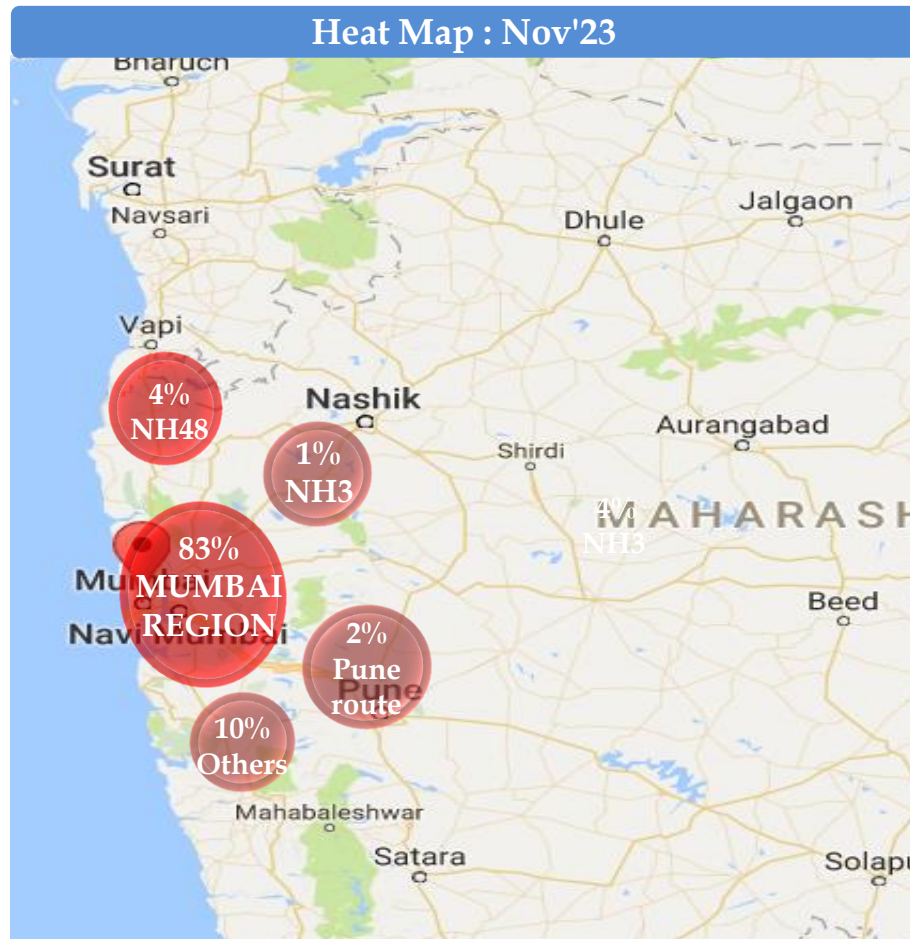
The average export cycle dwell time of JNPA region port terminals for Nov'23 is **69.3 hrs.**



ANNEXURE

Container movement around JNPA Port terminal region via Truck

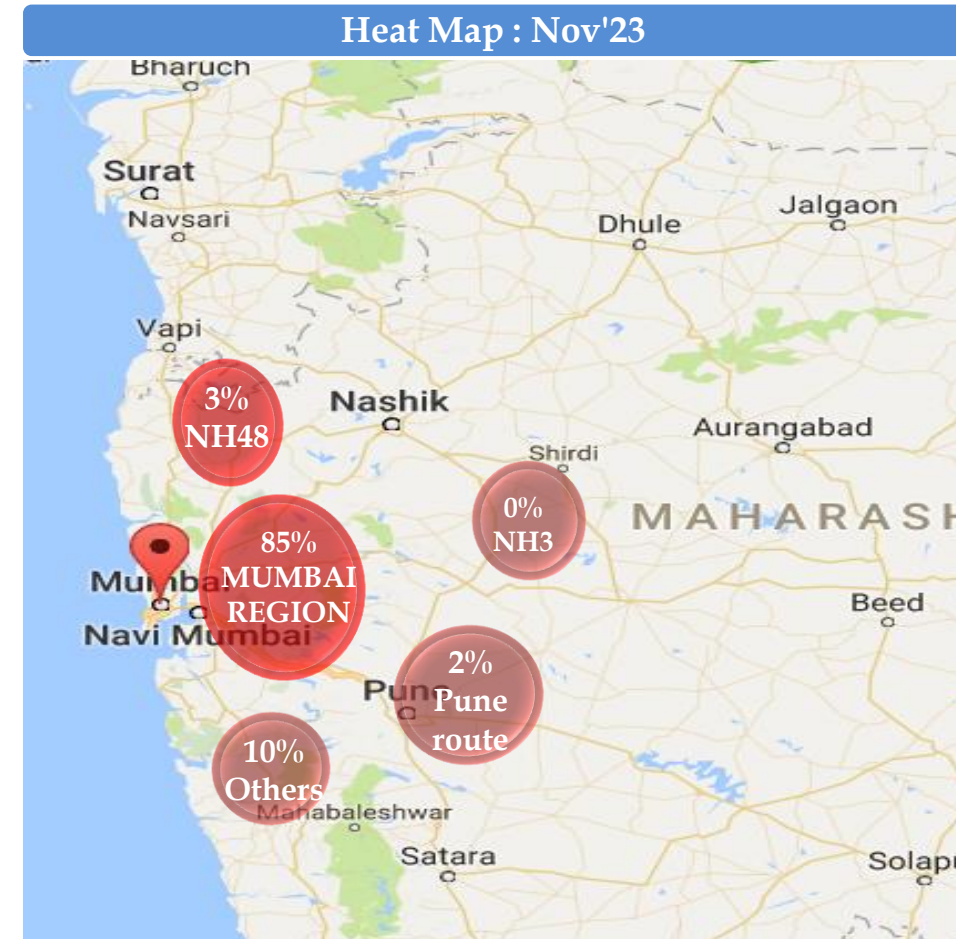
HEAT MAP : GTI Port Terminal



Region	Oct'23	Nov'23
Mumbai region	82%	83%
NH3	0%	1%
Pune	3%	2%
NH48	5%	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	Oct'23	Nov'23
Mumbai region	83%	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.

Container movement around JNPA Port terminal region via Truck

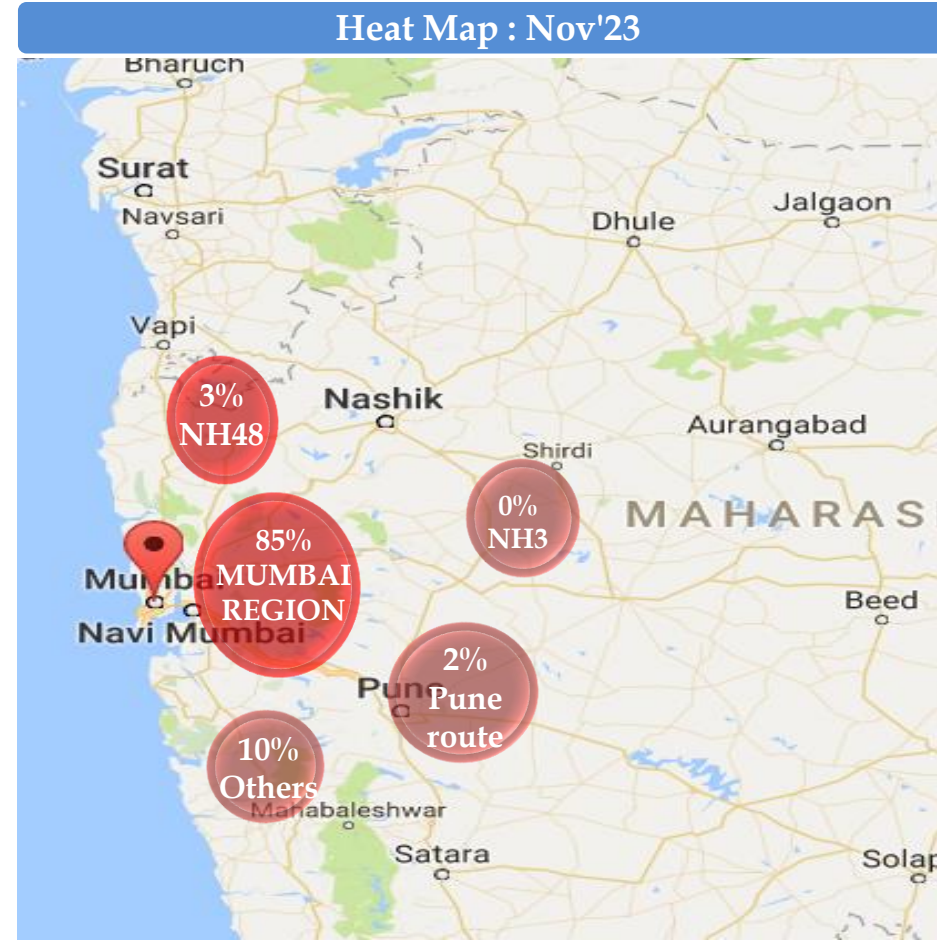
HEAT MAP : NSIGT Port Terminal



Region	Oct'23	Nov'23
Mumbai region	85%	85%
NH3	0%	0%
Pune	2%	1%
NH48	3%	3%
others	10%	10%

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

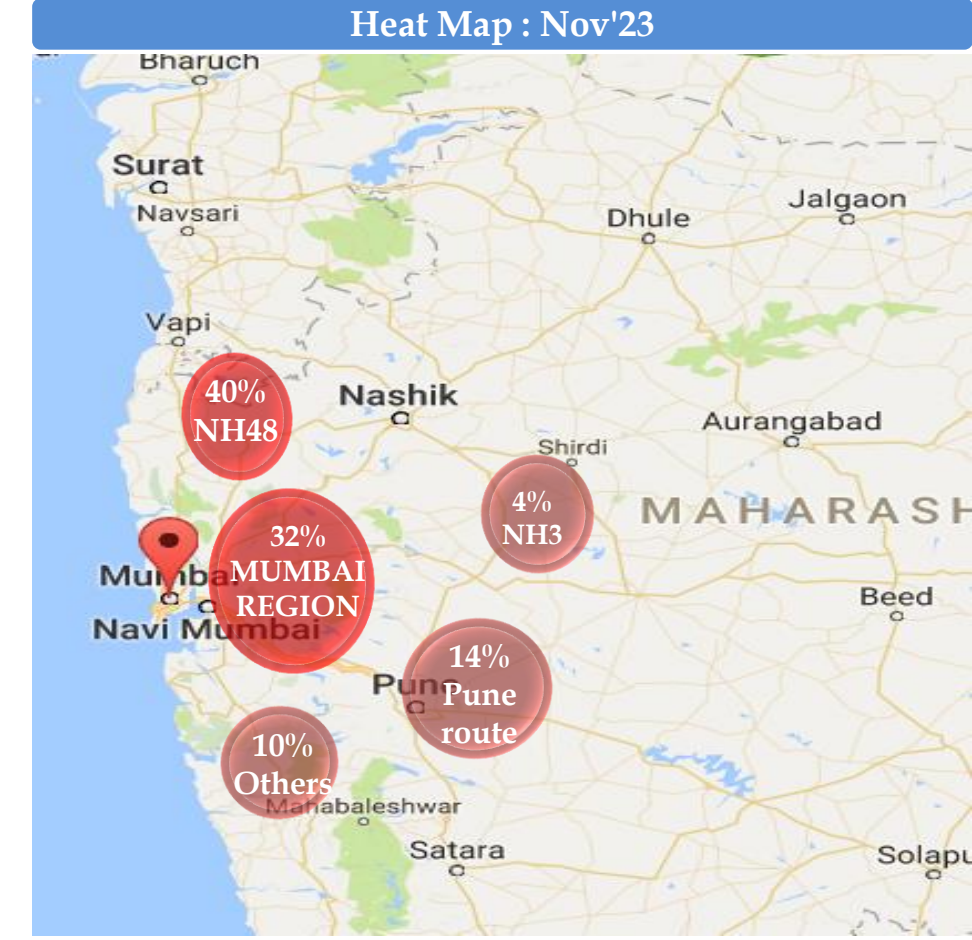
HEAT MAP : NSICT Port Terminal



Region	Oct'23	Nov'23
Mumbai region	83%	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.

HEAT MAP : BMCT Port Terminal



Region	Oct'23	Nov'23
Mumbai region	80%	32%
NH3	0%	4%
Pune	3%	14%
NH48	7%	40%
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) - Nov'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	3.5	3.6	2.8	3.5	3.7
Ameya Logistics CFS, Navi Mumbai	5.1	2.7	2.6	3.1	3.9
APM (Maersk India) CFS, Navi Mumbai	2.7	8.7	20.0	2.6	3.6
Apollo Logisolutions CFS, Panvel	5.4	4.2	3.5	3.6	4.2
Ashte Logistics CFS, Panvel	2.8	4.3	3.6	3.5	4.6
Continental Warehousing CFS, Navi Mumbai	2.4	2.7	2.3	1.8	3.2
Dronagiri Rail Terminal CFS, Navi Mumbai	4.3	3.2	2.6	2.5	2.9
Gateway Distriparks CFS, Navi Mumbai	3.0	4.1	3.1	2.8	4.0
International Cargo Terminal CFS	2.8	17.5	3.5	2.4	3.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9	2.2	2.9	2.6	4.0
JWC Logistics Park CFS	3.8	3.7	3.2	2.8	4.8
Kerry Indev Logistics Pvt Ltd CFS	4.6	5.2	3.6	3.4	3.6
Maharashtra State Corp CFS	2.8	3.1	1.7	2.5	4.8
Navkar Corporation Yard 2 CFS, Panvel	6.2	5.9	7.0	5.0	6.1
Navkar Corporation Yard 3 CFS, Panvel	3.7	7.9	7.5	3.3	3.9
Ocean Gate CFS, Panvel	3.0	4.4	4.0	3.3	4.6
Punjab Conware CFS, Navi Mumbai	3.2	3.0	3.4	2.5	3.3
SBW Logistics CFS, Navi Mumbai	-	10.9	6.1	-	6.2
Seabird CFS, Navi Mumbai	3.0	4.4	3.5	2.1	3.8
Speedy Multimode CFS, JNPT	3.1	2.0	3.0	2.4	3.3
Vaishno Logistics CFS, Navi Mumbai	3.7	3.1	6.1	3.3	3.6

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) – Nov'23 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	3.0	5.1	3.8	4.2	4.1
Ameya Logistics CFS, Navi Mumbai	2.4	3.0	2.3	2.4	2.4
APM (Maersk India) CFS, Navi Mumbai	2.5	2.7	2.3	1.9	2.6
Apollo Logisolutions CFS, Panvel	2.8	2.9	4.6	3.0	3.4
Ashte Logistics CFS, Panvel	2.3	2.4	2.2	2.1	2.1
Dronagiri Rail Terminal CFS, Navi Mumbai	27.1	13.4	23.4	5.7	2.9
Gateway Distriparks CFS, Navi Mumbai	2.0	2.2	1.9	2.1	2.1
International Cargo Terminal CFS	2.4	3.2	2.6	2.3	2.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9	1.8	2.0	1.6	1.7
JWC Logistics Park CFS	1.7	2.2	2.0	2.1	2.0
Kerry Indev Logistics Pvt Ltd CFS	3.3	2.8	3.5	3.0	3.0
Maersk Annex (APM)CFS, Navi Mumbai	2.0	2.1	2.2	-	2.3
Maharashtra State Corp CFS	2.0	3.0	3.9	1.9	1.6
Navkar Corporation Yard 1 CFS, Panvel	2.0	3.1	2.4	2.6	2.5
Navkar Corporation Yard 2 CFS, Panvel	2.9	3.4	3.8	3.5	2.8
Navkar Corporation Yard 3 CFS, Panvel	2.6	2.8	3.0	3.0	2.5
Ocean Gate CFS, Panvel	2.2	2.6	2.5	2.5	2.5
Punjab Conware CFS, Navi Mumbai	1.7	2.1	1.7	1.6	1.6
SBW Logistics CFS, Navi Mumbai	3.3	4.2	3.7	3.6	3.2
Seabird CFS, Navi Mumbai	6.9	6.4	7.5	7.8	7.3
Speedy Multimode CFS, JNPT	1.7	1.7	1.6	1.6	1.4
Vaishno Logistics CFS, Navi Mumbai	1.9	2.3	2.7	3.0	2.5

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 Nov'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	4.7	3.1
Cluster 4	1	13	2.3	3.1
Cluster 5	2	25	2.4	4.1
Cluster 6	6	25	2.9	5.2
Cluster 7	4	12	-	2.7
Cluster 8	1	34	4.2	10.9

CFS Cluster : NSFT Terminal

NSFT terminal for month of Nov'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	3.1
Cluster 2	6	13	-	-
Cluster 3	6	11	4.5	3.1
Cluster 4	1	13	1.9	3.7
Cluster 5	2	25	1.9	3.4
Cluster 6	6	25	2.7	4.6
Cluster 7	4	12	-	3.5
Cluster 8	1	34	3.3	-

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

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 Nov'23

NSIGT terminal for month of Nov'23

BMCT terminal for month of Nov'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	3.0
Cluster 2	6	13	-	-
Cluster 3	6	11	5.7	3.0
Cluster 4	1	13	2.7	6.1
Cluster 5	2	25	2.2	3.6
Cluster 6	6	25	3.3	3.6
Cluster 7	4	12	-	2.6
Cluster 8	1	34	3.7	6.1

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	2.4
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	2.5
Cluster 4	1	13	3.0	3.3
Cluster 5	2	25	2.3	3.1
Cluster 6	6	25	3.0	3.5
Cluster 7	4	12	-	3.1
Cluster 8	1	34	3.6	-

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	1.4	3.3
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	3.5
Cluster 4	1	13	2.5	3.6
Cluster 5	2	25	2.2	4.7
Cluster 6	6	25	2.6	4.2
Cluster 7	4	12	-	3.7
Cluster 8	1	34	3.2	6.2

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

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:

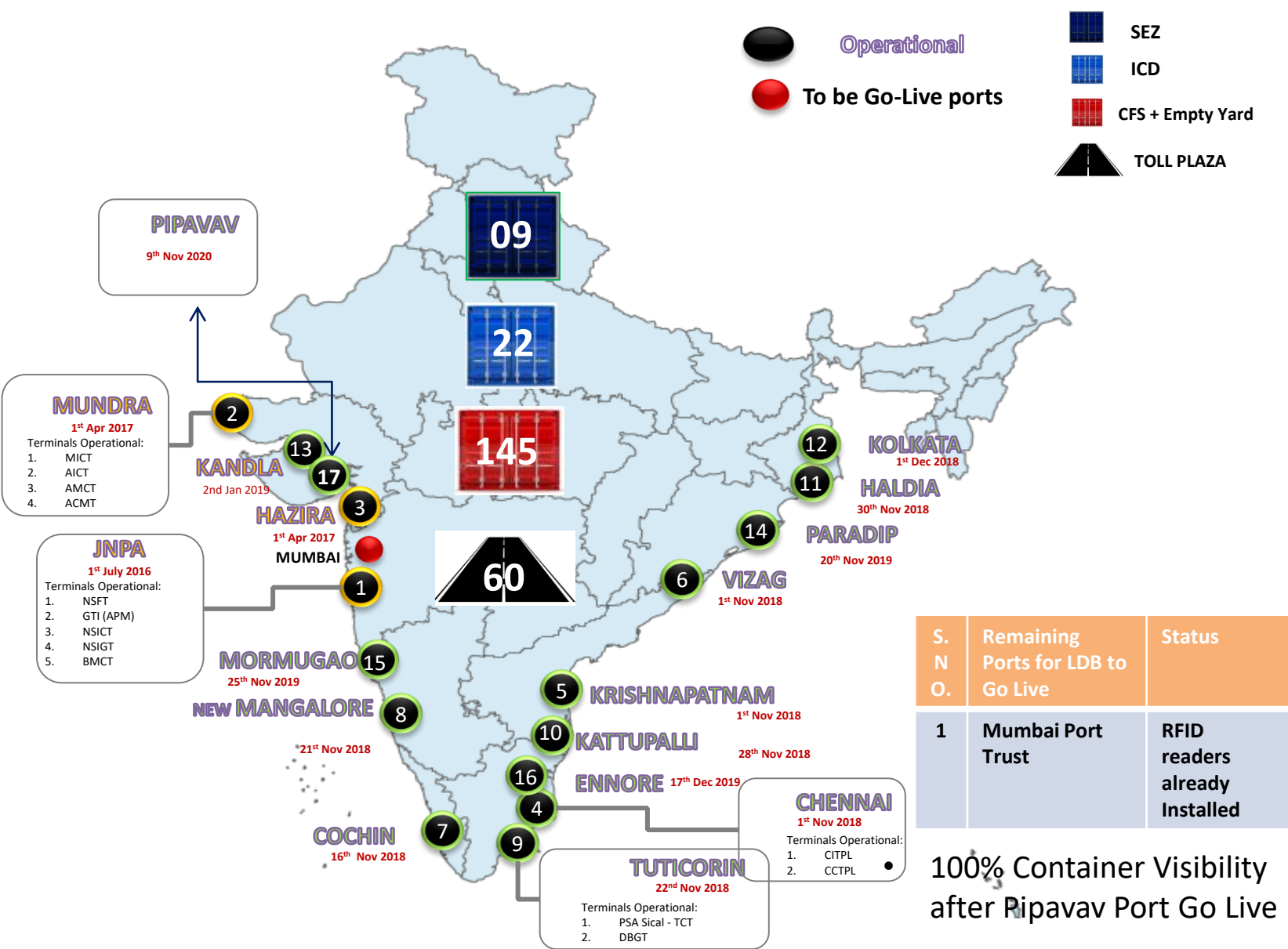
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	-	154.2	70.7	70.7	-	71.9
Ankaleshwar	128.9	33.7	37.4	37.4	-	34.5
Baroda	-	95.7	176.2	176.2	94.7	95.3
Boisar	124.9	-	166.2	166.2	134.7	149.6
Dadri	26.9	6.3	51.2	51.2	51.5	32.8
Daulatabad	82.4	67.1	121.6	121.6	117.0	104.1
Faridabad	230.0	164.5	149.4	149.4	173.9	166.2
Guhati	-	78.4	259.4	259.4	70.6	115.2
Indore	170.8	-	52.2	52.2	74.4	49.5
Jaipur	8.8	61.7	56.9	56.9	-	55.6
Kanpur	153.8	59.9	175.8	175.8	97.9	156.3
Khodiyar	48.4	53.5	52.6	52.6	73.4	53.2
Ludhiana	-	47.0	95.3	95.3	57.5	52.5
Malanpur	69.6	86.6	48.2	48.2	20.4	40.2
Mandideep	-	-	47.5	47.5	20.1	42.4
Moradabad	79.8	25.4	33.6	33.6	39.0	33.3
Nagpur	57.7	-	41.9	41.9	42.2	40.1
Navi Mumbai	16.9	20.6	14.3	14.3	12.9	14.2
Patparganj	-	43.6	51.1	51.1	-	43.6
Raipur	-	-	51.2	51.2	-	51.2
Sanatnagar	29.3	14.9	37.8	37.8	-	33.6
Thimmapur	134.6	-	98.7	98.7	106.9	105.1
Tughlakabad	16.2	-	52.3	52.3	47.4	44.1

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	21.8	-	19.9	19.9	24.5	21.8
Ameya Logistics CFS, Navi Mumbai	20.1	-	15.9	15.9	17.6	16.3
APM (Maersk India) CFS, Navi Mumbai	22.9	38.7	14.8	14.8	20.9	21.4
Apollo Logisolutions CFS, Panvel	15.3	10.5	13.2	13.2	17.7	11.9
Ashte Logistics CFS, Panvel	12.6	10.6	13.0	13.0	11.2	11.3
Balmer & Lawrie CFS, Navi Mumbai	15.5	15.2	14.5	14.5	14.6	15.1
Continental Warehousing CFS, Navi Mumbai	14.5	11.5	18.3	18.3	21.9	14.2
CWC Impex Park	18.3	12.5	19.3	19.3	20.1	15.0
Dronagiri Rail Terminal CFS, Navi Mumbai	21.8	20.6	17.0	17.0	-	20.2
EFC Logistics	15.1	13.3	18.8	18.8	17.6	14.9
Gateway Distriparks CFS, Navi Mumbai	15.2	11.6	13.2	13.2	13.8	12.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	97.2	-	15.6	15.6	19.4	16.6
JWC Logistics Park CFS	22.0	12.2	16.6	16.6	17.7	14.1
Kerry Indev Logistics Pvt Ltd CFS	15.3	11.9	14.6	14.6	19.1	13.7
Maharashtra State Corp CFS	19.5	11.2	19.6	19.6	17.0	16.8
Navkar Corporation	23.9	12.8	12.4	12.4	14.3	13.5
Ocean Gate CFS, Panvel	19.5	10.8	14.6	14.6	15.2	13.6
Sarveshwar Logistics	13.3	8.3	10.8	10.8	11.0	10.0
SBW Logistics CFS, Navi Mumbai	65.1	-	39.6	39.6	-	47.4
Seabird CFS, Navi Mumbai	84.3	-	33.3	33.3	29.3	34.1
Speedy Multimode CFS, JNPT	12.9	-	12.3	12.3	13.8	13.1
Take Care Logistics	17.7	11.5	12.8	12.8	17.3	13.5
TG Terminals	20.9	-	16.0	16.0	14.9	16.4
Vaishno Logistics CFS, Navi Mumbai	31.2	20.6	24.7	24.7	28.4	25.4



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



THANK YOU