

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Feb'23 (in hrs)	Mar'23 (in hrs)	Port	Feb'23 (in hrs)	Mar'23 (in hrs)
JNPCT	-	-	JNPCT	-	-
NSICT	34.4	34.5	NSICT	64.2	61.2
GTI	22.1	18.1	GTI	69.1	73.6
NSIGT	31.8	28.6	NSIGT	80.9	85.0
BMCT/PSA	28.6	28.6	BMCT/PSA	66.9	77.5

Critical Incident Summary

Jawaharlal Nehru Port Authority

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
Mar'23	26.5 hrs	74.0 hrs	80.6 hrs	119.4 hrs
Feb'23	27.8 hrs	69.5 hrs	80.3 hrs	112.4 hrs

Port Dwell Time

IMPORT

Mode	Feb'23 (in hrs)	Mar'23 (in hrs)
Overall	30.3	32.0
Truck	26.5	27.1
Train	69.9	73.4

EXPORT

Mode	Feb'23 (in hrs)	Mar'23 (in hrs)
Overall	81.7	86.9
Truck	78.0	83.7
Train	103.3	105.5

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	Feb'23 (in hrs)	Mar'23 (in hrs)
CFS	81.8	83.0
ICD	112.4	119.4

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

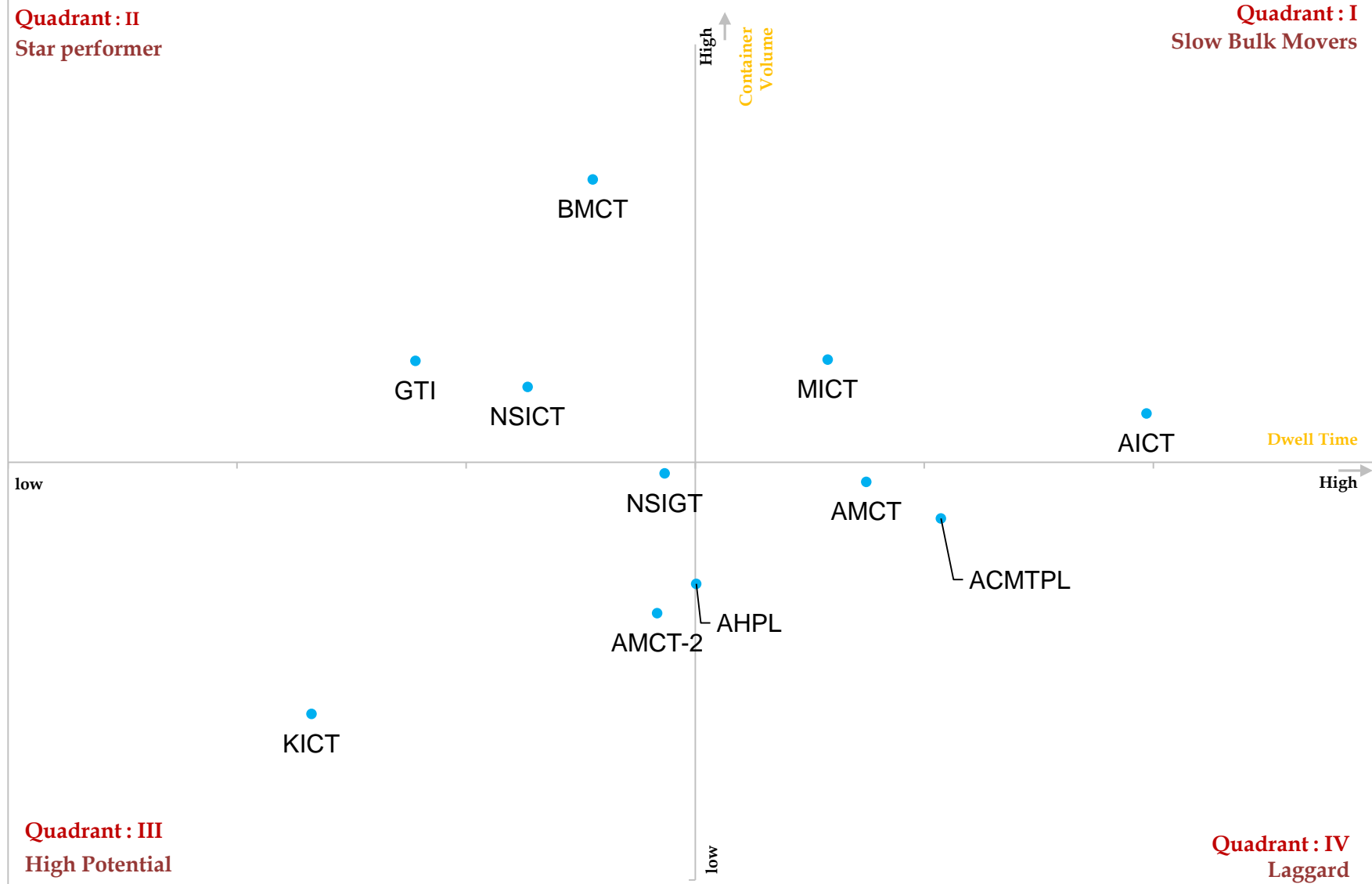
The marked entries showcase Decrease in performance in comparison to Feb'23



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Mar'23



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

Top Performing Terminal	
Bharat Mumbai Container Terminals (PSA)	
Feb'23	Mar'23
47.0 hrs	52.6 hrs
Low Performing Terminal	
Adani CMA Mundra Terminal (ACMTPL)	
Feb'23	Mar'23
71.2 hrs	80.3 hrs

Note: The performance benchmarking is based on performance index



The arrows depict increase/Decrease in overall performance of the stakeholders in comparison to Feb'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	Feb'23 (in hrs)	Mar'23 (in hrs)
Overall	27.8	26.5
Truck	24.0	22.3
Train	69.6	63.7

Mode	Feb'23 (in hrs)	Spe'22 (in hrs)
Overall	69.5	74.0
Truck	67.8	72.4
Train	80.7	86.1

Transit Time

Towards ICD

Towards CFS

From ICD

From CFS

Transit Cycle	Feb'23 (in hrs)	Mar'23 (in hrs)
Port to ICD	79.0	97.1
Port to CFS	2.78	2.47

Transit Cycle	Feb'23 (in hrs)	Spe'22 (in hrs)
ICD to Port	109.2	113.0
CFS to Port	5.06	6.42

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

ICD

Entity	Feb'23 (in hrs)	Mar'23 (in hrs)
CFS	80.3	80.6
ICD	112.4	119.4

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 Feb'23

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

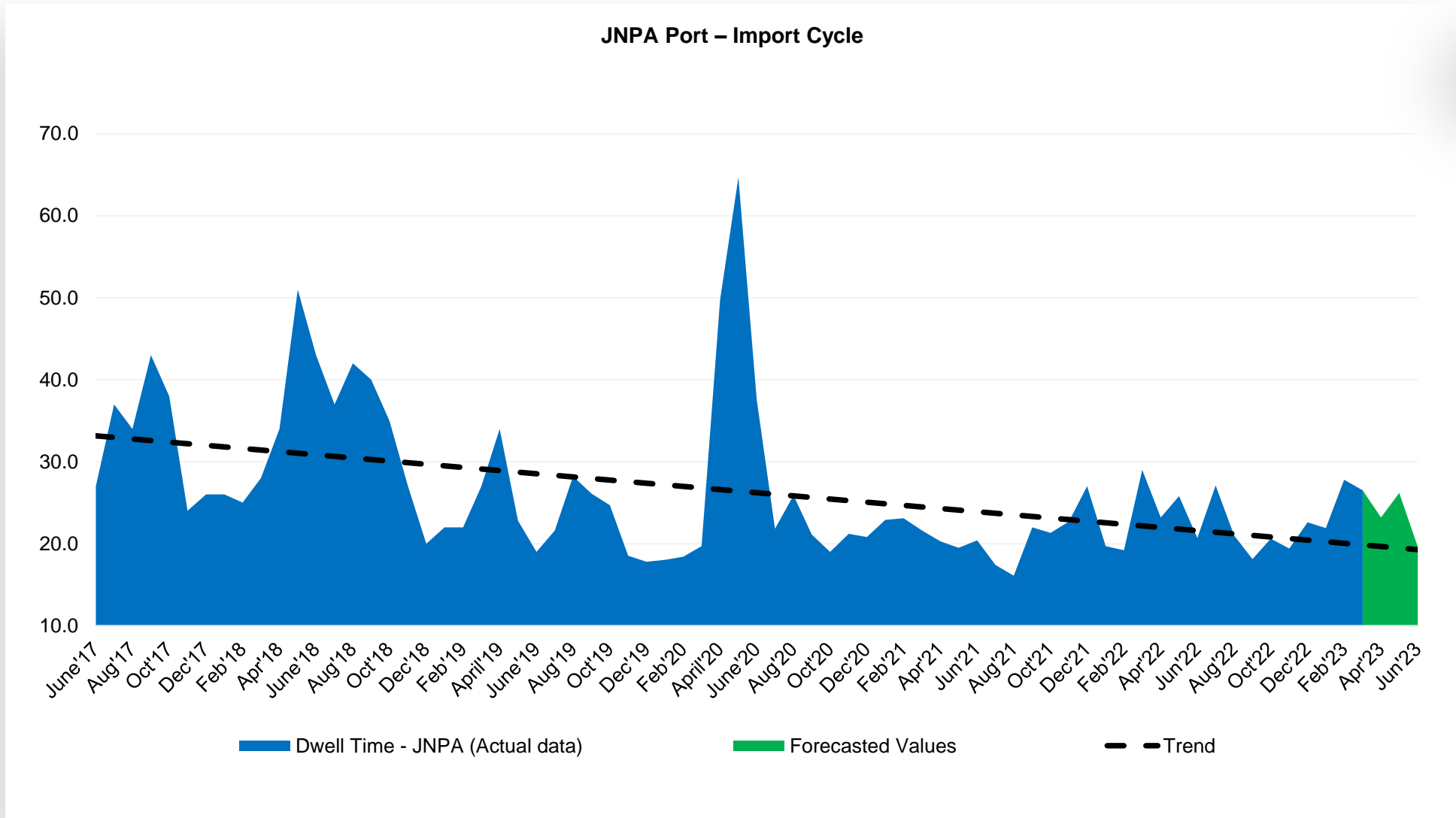
Container Lifecycle (Export Cycle)

Container Transportation- JNPA Port Terminals

IMPORT CYCLE DWELL TIME (Mar'23 - in hrs)			Compared to Feb'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	26.5	4.7%	↑
	Port Dwell Time for Truck Bound Containers	22.3	7.1%	↑
	Port Dwell time for Train Bound Containers	63.7	8.5%	↑
	Port Dwell time Direct Port Delivery (DPD) containers	34.5	9.5%	↓
	Port Dwell time Containers bound for CFS	19.8	1.0%	↑
	Port Dwell for Empty Containers	50.8	5.6%	↓
	Port Dwell for Laden Containers	23.5	3.3%	↑
TRANSIT TIME	Port to ICD	97.1	23.9%	↓
	Port to CFS	2.47	11.2%	↑

EXPORT CYCLE DWELL TIME (Mar'23- in hrs)			Compared to Feb'23	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	74.0	6.5%	↓
	Port Dwell Time for Truck Bound Containers	72.4	6.8%	↓
	Port Dwell time for Train Bound Containers	86.1	6.7%	↓
	Port Dwell time Direct Port Entry (DPE) containers	68.0	3.0%	↓
	Port Dwell time Containers bound from CFS	74.4	10.7%	↓
	Port Dwell for Empty Containers	72.7	12.0%	↓
	Port Dwell for Laden Containers	74.3	5.2%	↓
TRANSIT TIME	ICD to Port	113.0	3.5%	↓
	CFS to Port	6.42	26.9%	↓

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



Observation

Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data it is expected to reach a local minima in Jun'23.



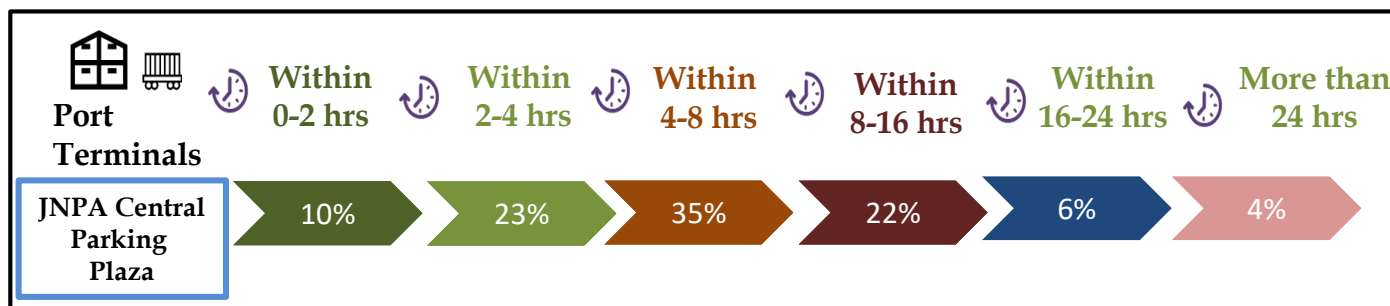
The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle



Parking Plaza Gate In - Gate Out

Mode	Feb'23 (in hrs)	Mar'23 (in hrs)
Overall Parking Plaza	5.42	5.59

Container Handled: Day wise (Mar'23)



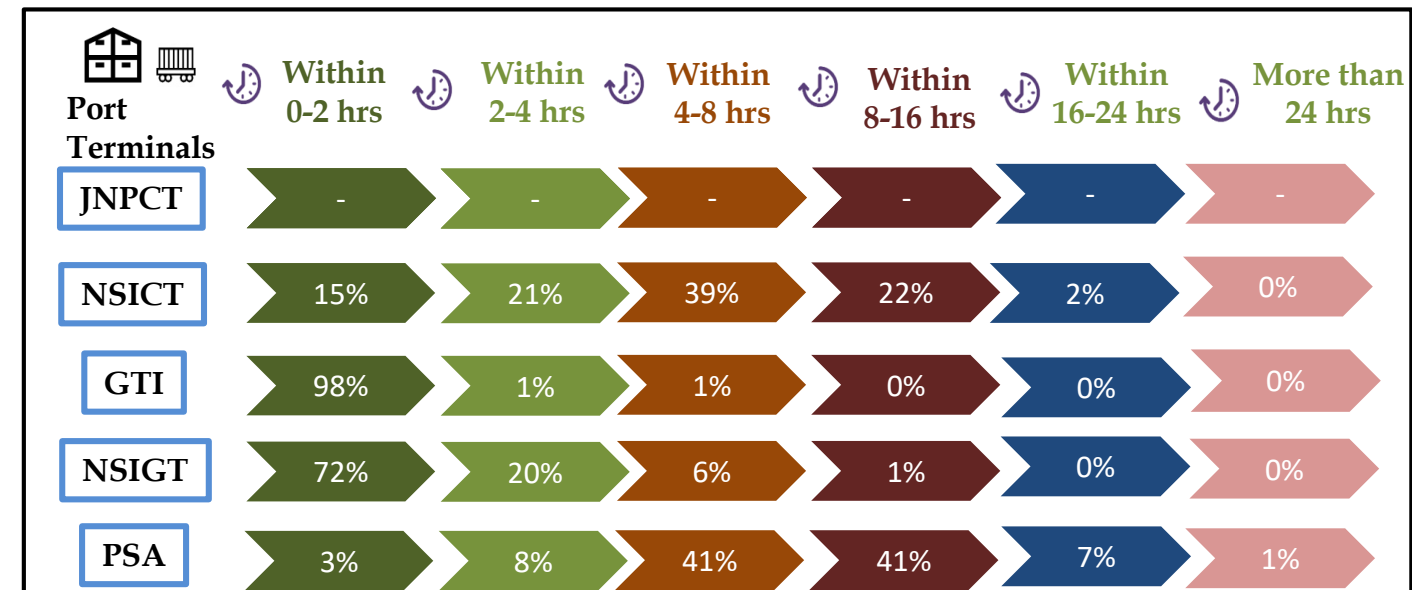
Parking Plaza Gate Out - Terminal In



Mode	Feb'23 (in hrs)	Mar'23 (in hrs)
Overall Parking Plaza to JNPA Port	2.55	3.65

Port	Feb'23 (in hrs)	Mar'23 (in hrs)
JNPCT	-	-
NSICT	4.1	5.3
GTI	1.2	0.4
NSIGT	2.0	1.2
BMCT	4.7	7.8

Container Handled: Day wise (Mar'23)





Performance Benchmarking



Top Performing CFS

Adani CFS Eximyard, Mundra	
Feb'23	Mar'23
66.1 hrs	74.8 hrs

Low Performing CFS

Take Care Logistics CFS	
Feb'23	Mar'23
103.0 hrs	106.4 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

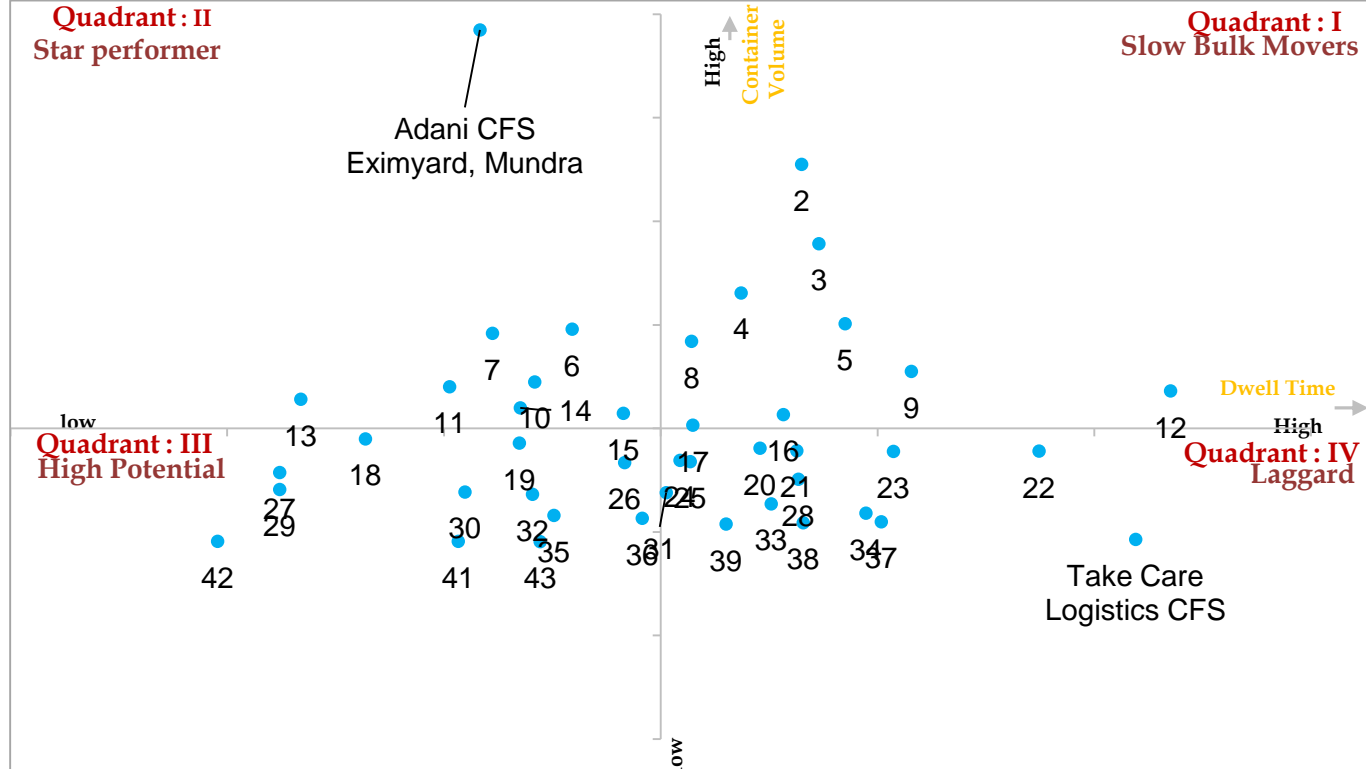
Top Performing ICD

Continental Warehousing Corporation Nhava Sheva pvt.	
Feb'23	Mar'23
115.7 hrs	132.5 hrs

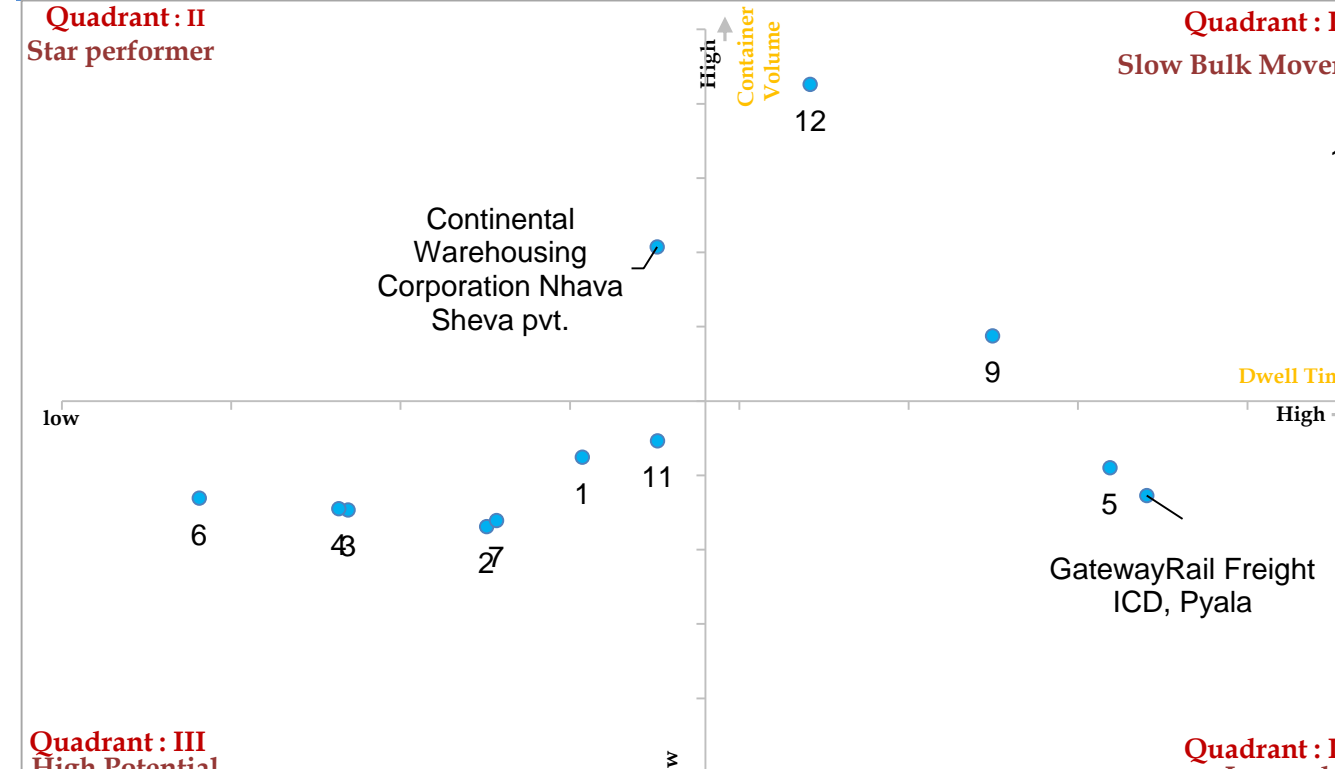
Low Performing ICD

GatewayRail Freight ICD, Pyala	
Feb'23	Mar'23
155.7 hrs	167.6 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 port for truck and train bound containers in import cycle

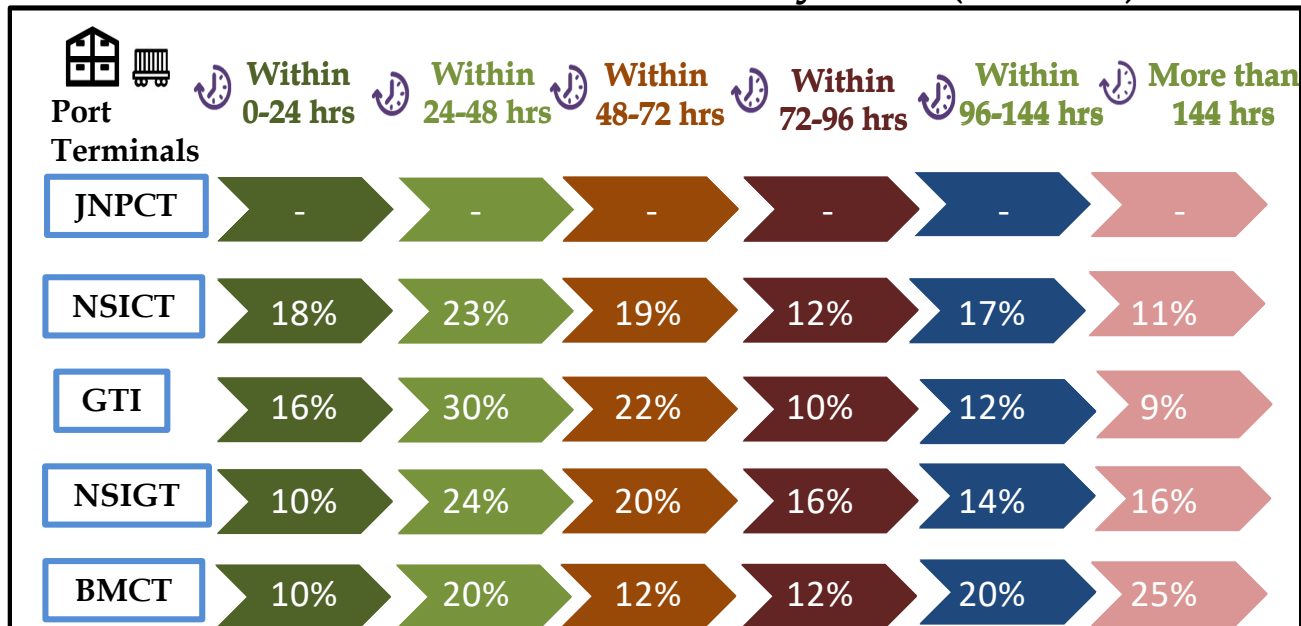
PORT IMPORT via TRAIN

(17% of total import volume at JNPA Port)

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

Port	Feb'23 (in hrs)	Mar'23 (in hrs)
JNPCT	-	-
NSICT	82.0	58.3
GTI	47.6	51.5
NSIGT	98.2	65.5
BMCT	76.8	87.5

Container Handled: Day wise (Mar'23)



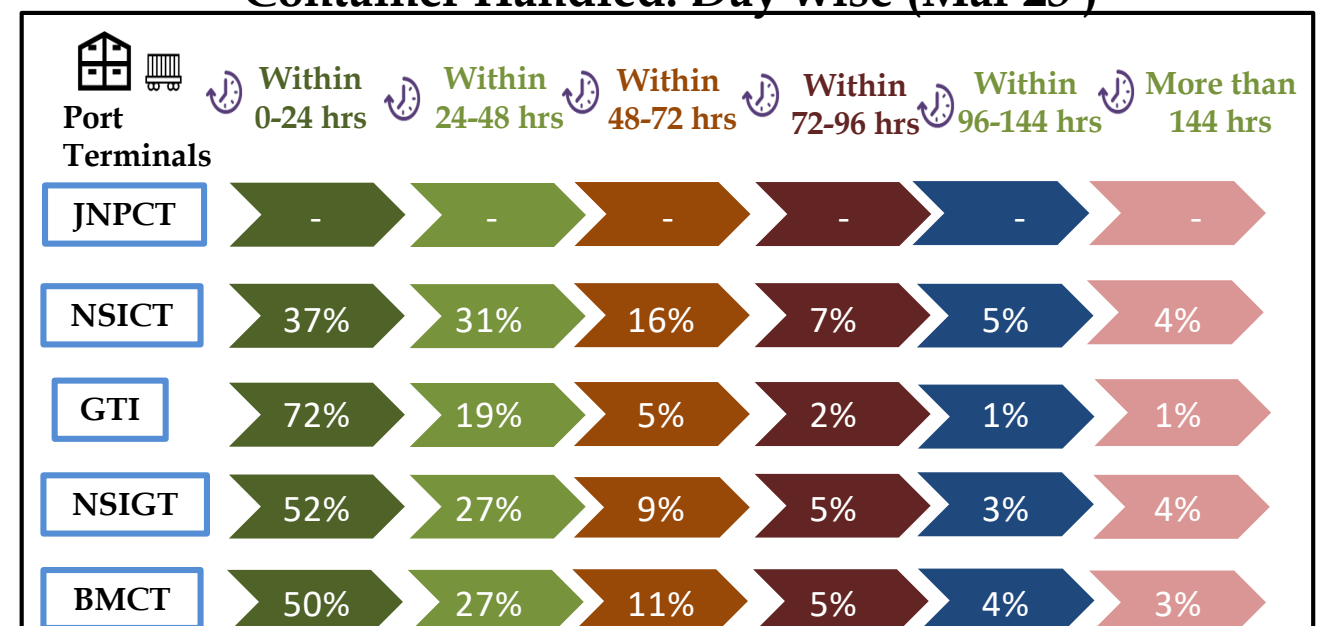
PORT IMPORT via TRUCK

(83% of total import volume at JNPA Port)

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

Port	Feb'23 (in hrs)	Mar'23 (in hrs)
JNPCT	-	-
NSICT	30.3	32.1
GTI	19.8	14.9
NSIGT	25.7	22.7
BMCT	24.0	23.9

Container Handled: Day wise (Mar'23)



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

JNPCT		
Port Dwell time based on transit type		
Feb'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	-	-
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	-	-

GTI		
Port Dwell time based on transit type		
Feb'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	34.1 hrs	14.5 hrs
Port Dwell time based on transit type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	17.6 hrs	31.8 hrs

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

NSICT		
Port Dwell time based on transit type		
Feb'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	53.1 hrs	29.1 hrs

Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	28.9 hrs	62.7 hrs

NSIGT		
Port Dwell time based on transit type		
Feb'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	46.4 hrs	20.5 hrs

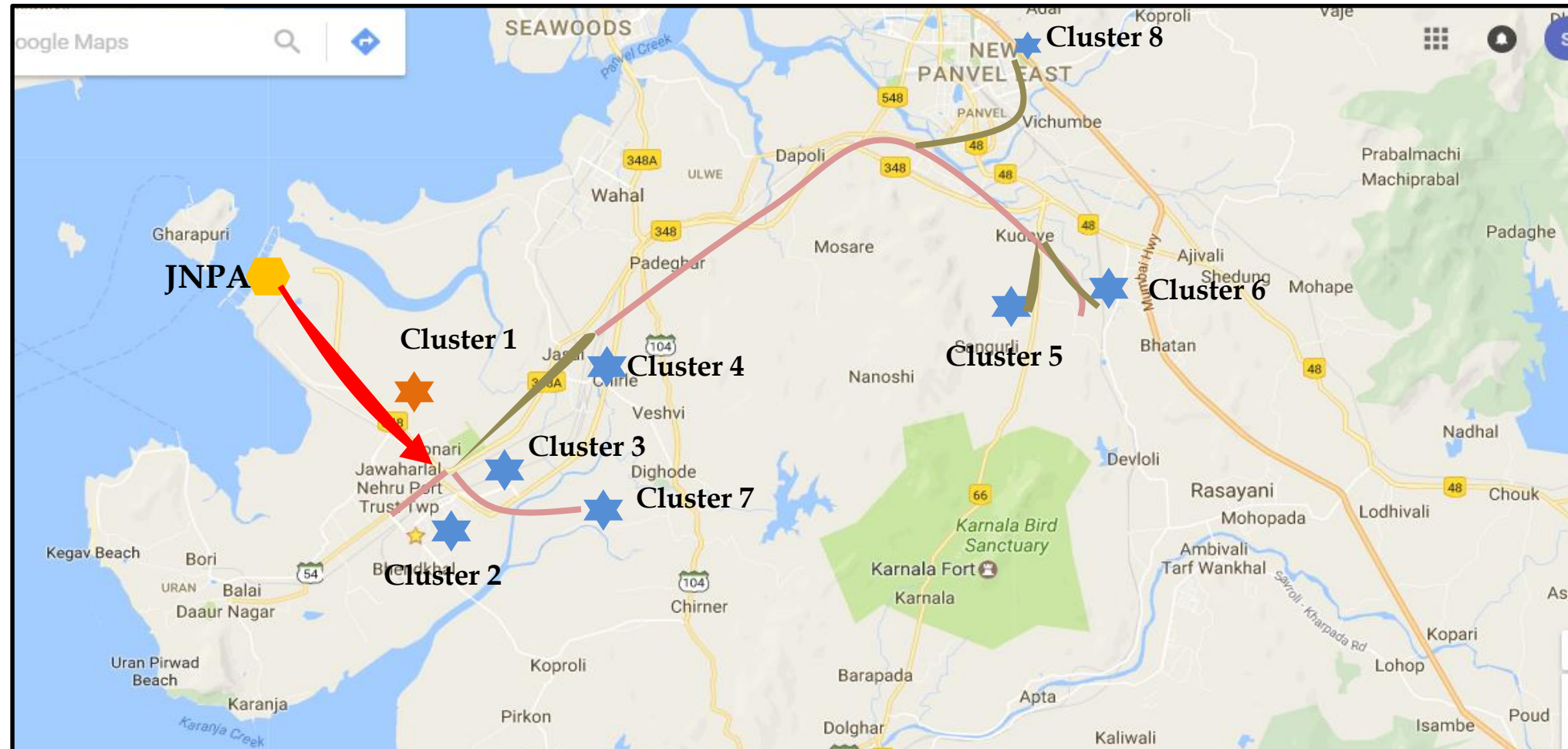
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	26.2 hrs	36.4 hrs

BMCT		
Port Dwell time based on transit type		
Feb'23	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.3 hrs	21.4 hrs

Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	24.9 hrs	56.6 hrs

JNPA Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPA Area
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Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area, JNPA road
CLUSTER 4	Chirle area, JNPA road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPA road
CLUSTER 8	Taloja, Navi Mumbai

Legends

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

GTI Terminal

Congestion Level
Import Cycle :-

JNPCT Terminal

Congestion Level
Import Cycle :-

NSICT Terminal

Congestion Level
Import Cycle :-

NSIGT Terminal

Congestion Level
Import Cycle :-

BMCT Terminal

Congestion Level
Import Cycle :-

Note:

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

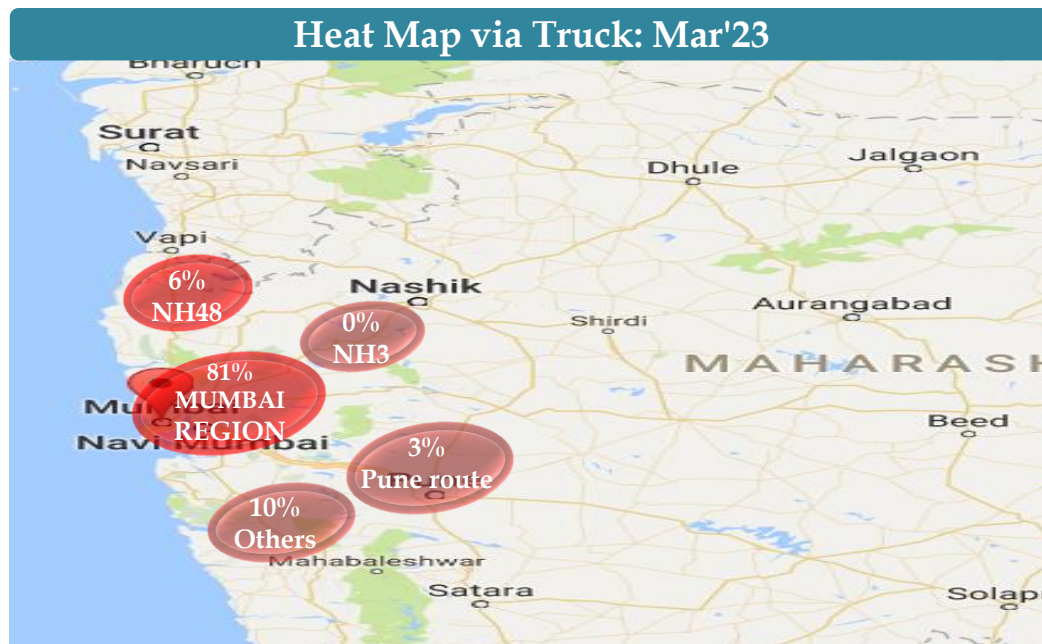
The below table and graphs depict the container movement across JNPA port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	Mar'23
Mumbai region	81%
NH3	0%
Pune	3%
NH48	6%
others	10%

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

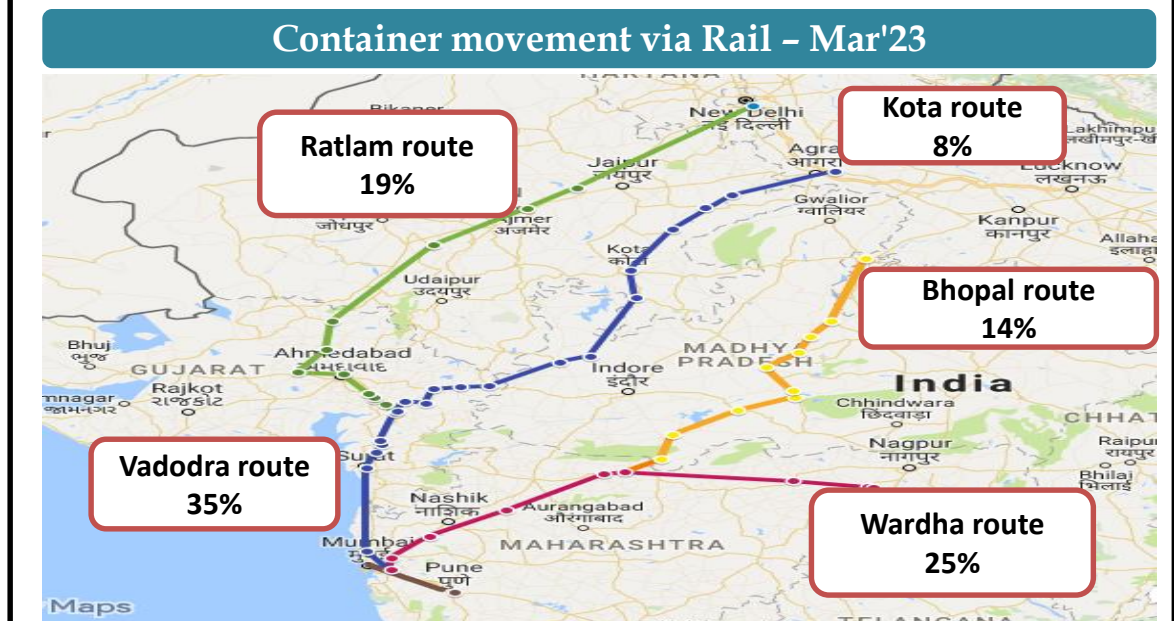


Train

VOLUME WISE CONTAINER MOVEMENT

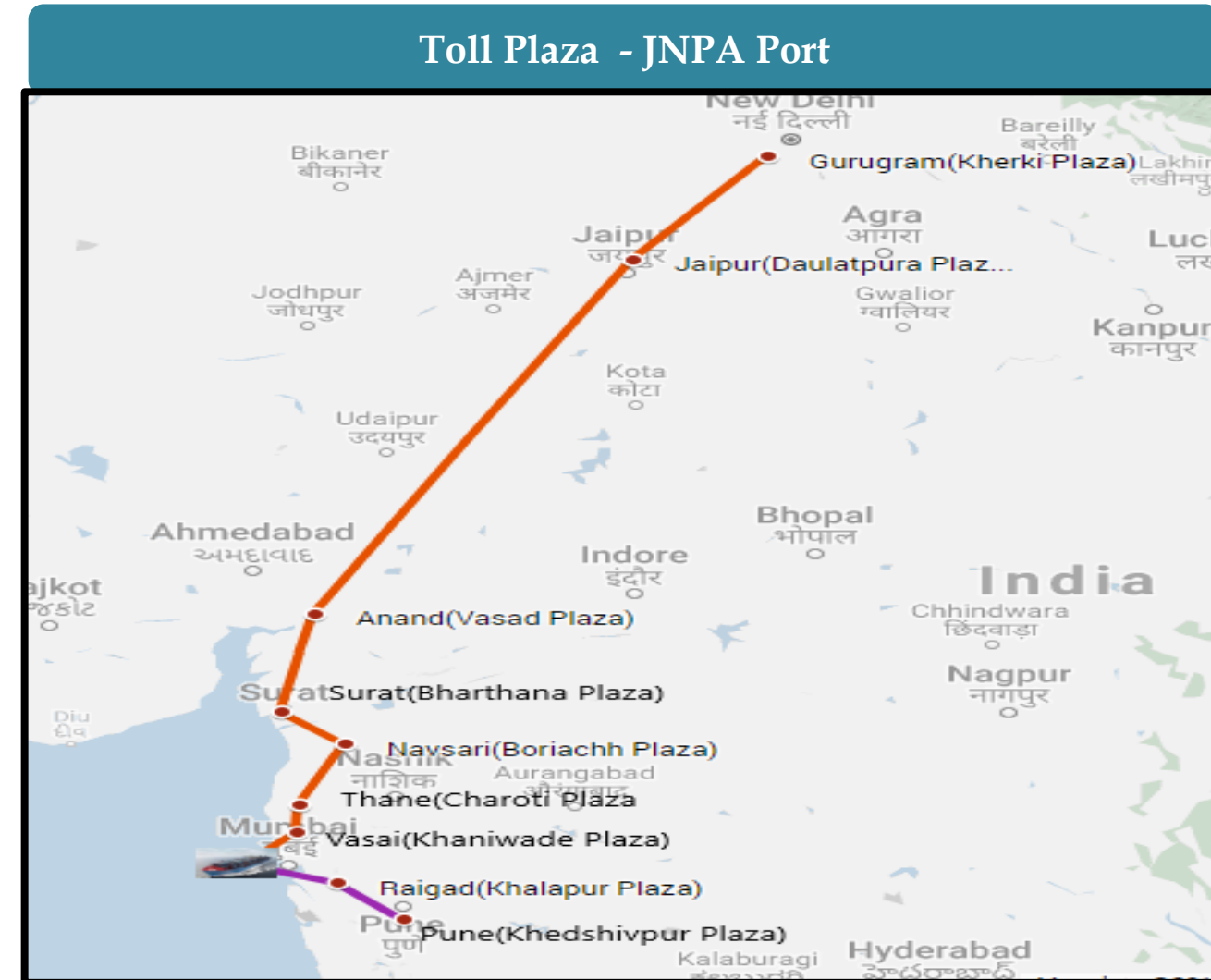
Region	Mar'23
Vadodra Route	35%
Ratlam Route	19%
Wardha Route	25%
Kota Route	8%
Bhopal Route	14%

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)	Feb'23 (in km/hrs)	Mar'23 (in km/hrs)
JNPA	JNPA	Khaniwade	94	14.8	15.8
	JNPA	Khalapur	60	21.3	-
	Khaniwade	Charoti	50	38.1	37.7
	Charoti	Boriach	126	24.8	24.6
	Boriach	Bharthan	142	32.6	32.9
	Bharthan	Vasad	60	37.3	37.4
	Khalalpur	Khedshivpur	105	34.5	-



Export Cycle Analysis

JNPA Region: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPA port for truck and train bound containers in export cycle

PORT EXPORT via TRAIN

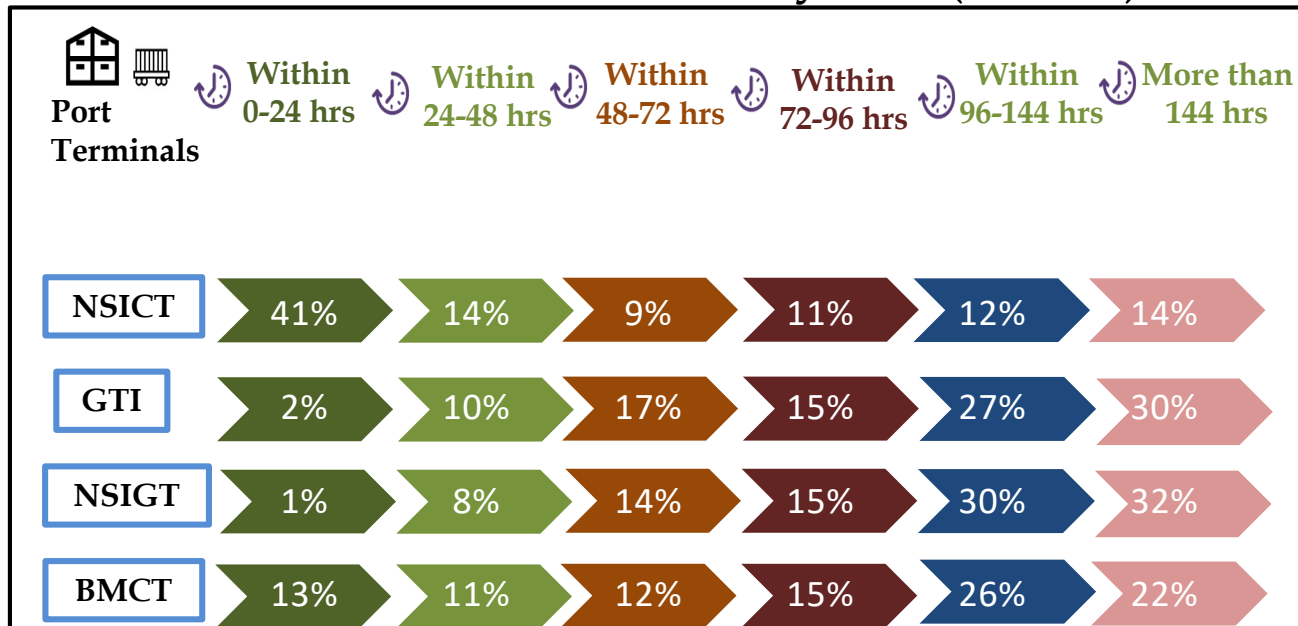
(20% of total export volume at JNPA Port)

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

Port	Feb'23 (in hrs)	Mar'23 (in hrs)
NSICT	41.3	37.4
GTI	96.4	109.5
NSIGT	113.4	111.6
BMCT	77.6	90.0

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

Container Handled: Day wise (Mar'23)



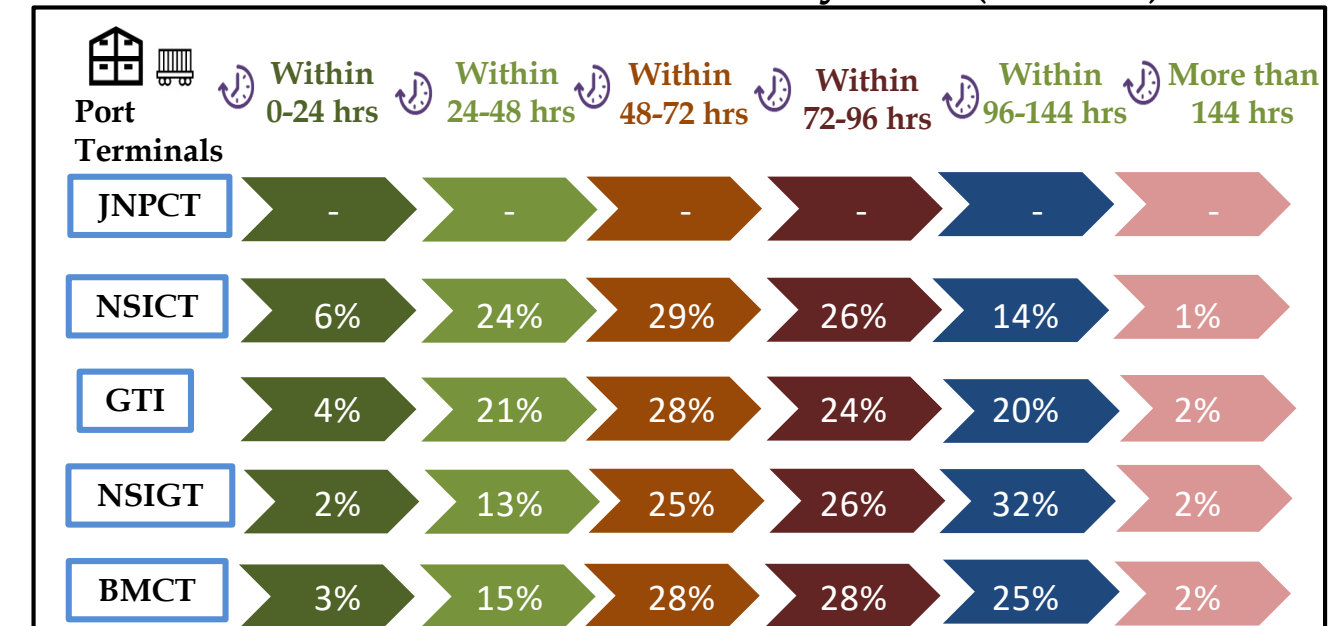
PORT EXPORT via TRUCK

(80% of total export volume at JNPA Port)

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

Port	Feb'23 (in hrs)	Mar'23 (in hrs)
JNPCT	-	-
NSICT	67.3	64.2
GTI	65.8	69.3
NSIGT	77.2	81.2
BMCT	65.2	75.5

Container Handled: Day wise (Mar'23)



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

JNPCT		
Port Dwell time based on transit type		
Feb'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	-
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	-	-

GTI		
Port Dwell time based on transit type		
Feb'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	68.0 hrs	70.6 hrs
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	73.0 hrs	76.3 hrs

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

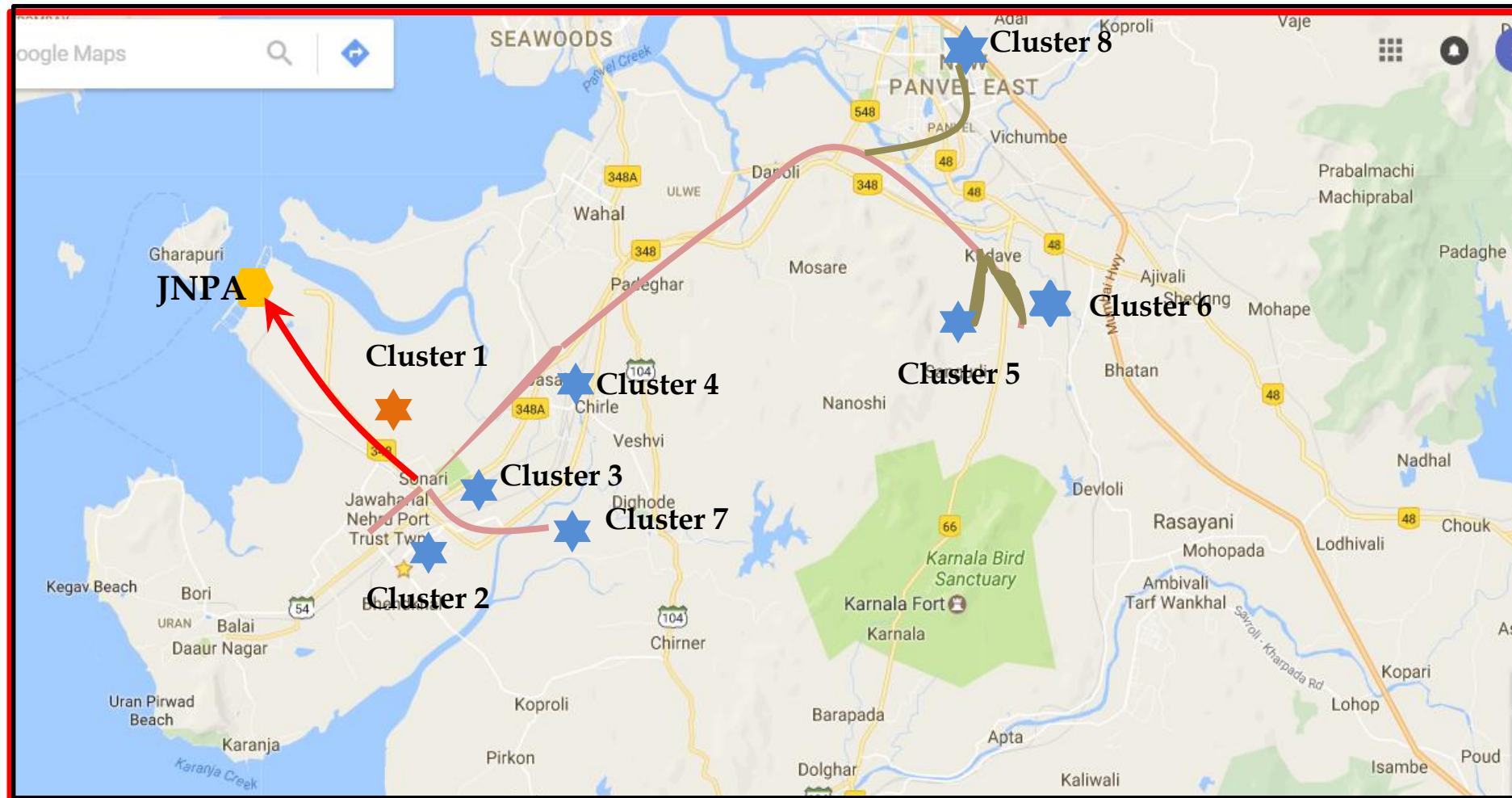
NSICT		
Port Dwell time based on transit type		
Feb'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	151.5 hrs	63.7 hrs
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	62.9 hrs	51.0 hrs

NSIGT		
Port Dwell time based on transit type		
Feb'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	81.4 hrs
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	84.5 hrs	93.0 hrs

BMCT		
Port Dwell time based on transit type		
Feb'23	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	81.4 hrs
Port Dwell time based on container type		
Feb'23	Laden Containers	Empty Containers
Dwell time (in hrs)	77.5 hrs	77.3 hrs

JNPA Region: Congestion Analysis (Export Cycle)

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



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

Legends

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

GTI Terminal

Congestion Level
Export Cycle :-

JNPCT Terminal

Congestion Level
Export Cycle :-

NSICT Terminal

Congestion Level
Export Cycle :-

NSIGT Terminal

Congestion Level
Export Cycle :-

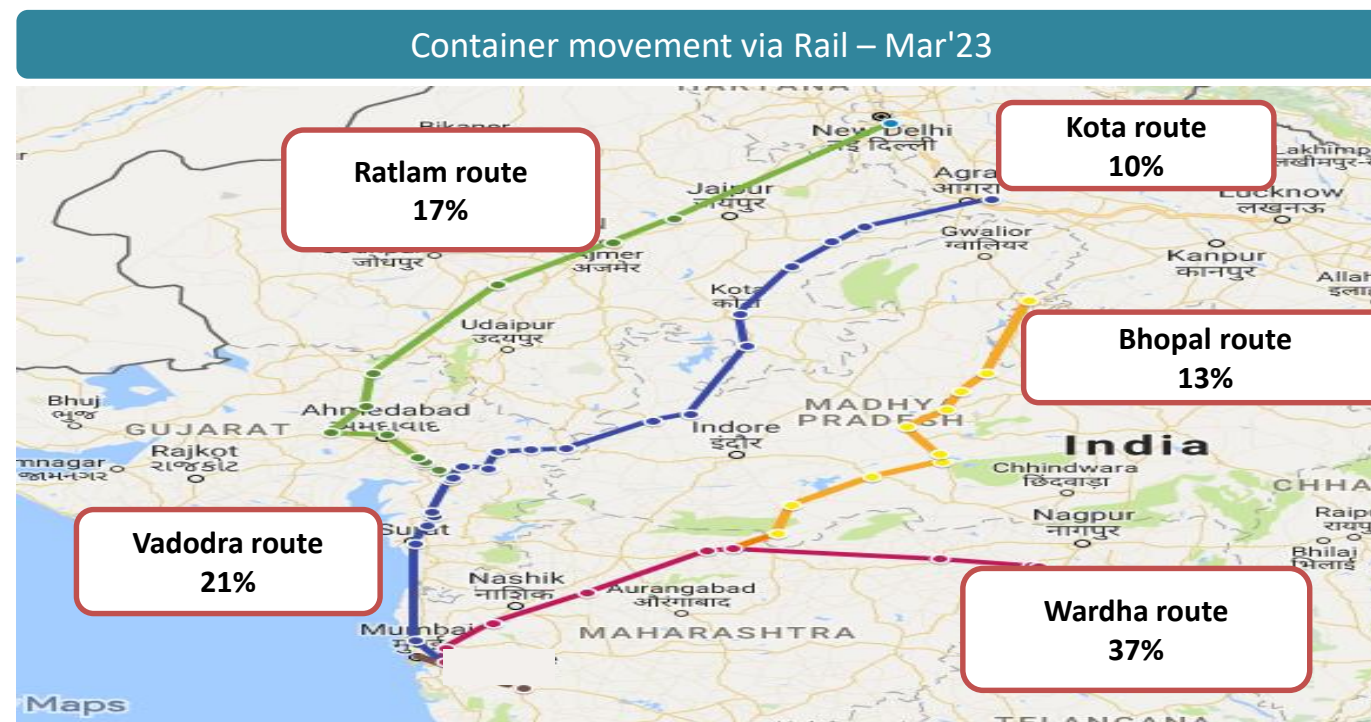
BMCT Terminal

Congestion Level
Export Cycle :-

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	21%
Ratlam Route	17%
Wardha Route	37%
Kota Route	10%
Bhopal Route	13%

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



CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS

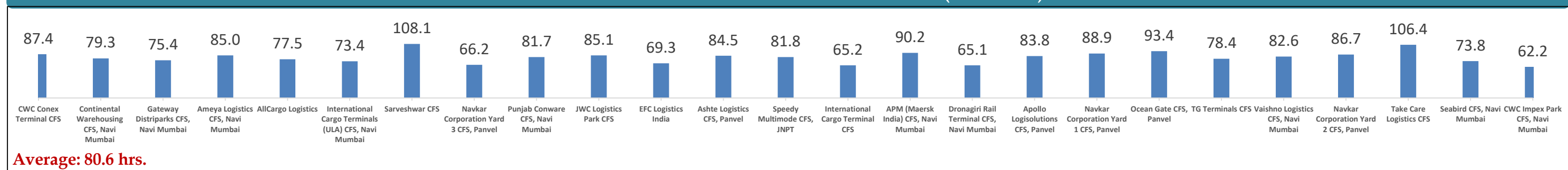
Below table and graphs show the dwell time of the respective CFSs for the month of Mar'23

CFS Dwell Time (in hrs.)

CFS	Feb'23 (in hrs)	Mar'23 (in hrs)
CWC Conex Terminal CFS	86.7	87.4
Continental Warehousing CFS, Navi Mumbai	67.3	79.3
Gateway Distriparks CFS, Navi Mumbai	76.0	75.4
Ameya Logistics CFS, Navi Mumbai	88.3	85.0
AllCargo Logistics	83.5	77.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	67.4	73.4
Sarveshwar CFS	103.6	108.1
Navkar Corporation Yard 3 CFS, Panvel	70.5	66.2
Punjab Conware CFS, Navi Mumbai	78.8	81.7
JWC Logistics Park CFS	81.6	85.1
EFC Logistics India	70.8	69.3
Ashte Logistics CFS, Panvel	93.8	84.5
Speedy Multimode CFS, JNPT	74.0	81.8

CFS	Feb'23 (in hrs)	Mar'23 (in hrs)
International Cargo Terminal CFS	62.6	65.2
APM (Maersk India) CFS, Navi Mumbai	76.7	90.2
Dronagiri Rail Terminal CFS, Navi Mumbai	73.7	65.1
Apollo Logisolutions CFS, Panvel	96.6	83.8
Navkar Corporation Yard 1 CFS, Panvel	83.4	88.9
Ocean Gate CFS, Panvel	107.6	93.4
TG Terminals CFS	76.1	78.4
Vaishno Logistics CFS, Navi Mumbai	79.3	82.6
Navkar Corporation Yard 2 CFS, Panvel	-	86.7
Take Care Logistics CFS	103.0	106.4
Seabird CFS, Navi Mumbai	73.9	73.8
CWC Impex Park CFS, Navi Mumbai	-	62.2

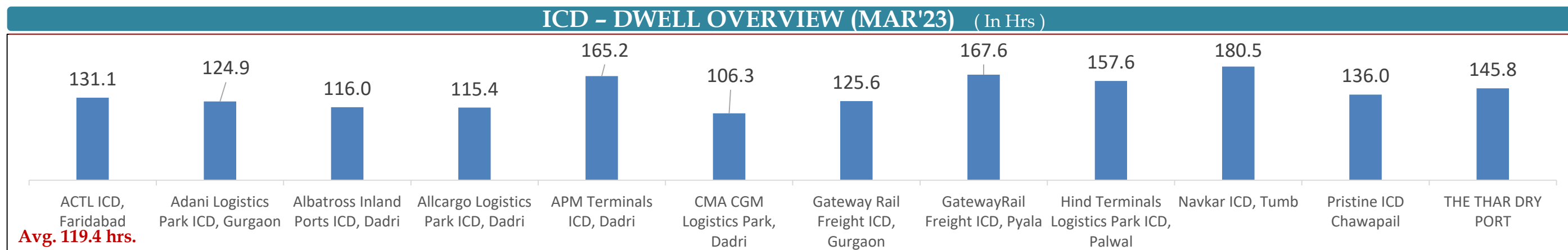
CFS - DWELL OVERVIEW - MAR'23 (IN HRS)



ICD DWELL TIME ANALYSIS

The table below depicts the dwell time of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Feb'23 (in hrs)	Mar'23 (in hrs)
ACTL ICD, Faridabad	114.2	131.1
Adani Logistics Park ICD, Gurgaon	128.4	124.9
Albatross Inland Ports ICD, Dadri	106.4	116.0
Allcargo Logistics Park ICD, Dadri	139.5	115.4
APM Terminals ICD, Dadri	128.6	165.2
CMA CGM Logistics Park, Dadri	108.8	106.3
Gateway Rail Freight ICD, Gurgaon	112.5	125.6
GatewayRail Freight ICD, Pyala	155.7	167.6
Hind Terminals Logistics Park ICD, Palwal	114.3	157.6
Navkar ICD, Tumb	133.5	180.5
Pristine ICD Chawapail	113.5	136.0
THE THAR DRY PORT	131.2	145.8

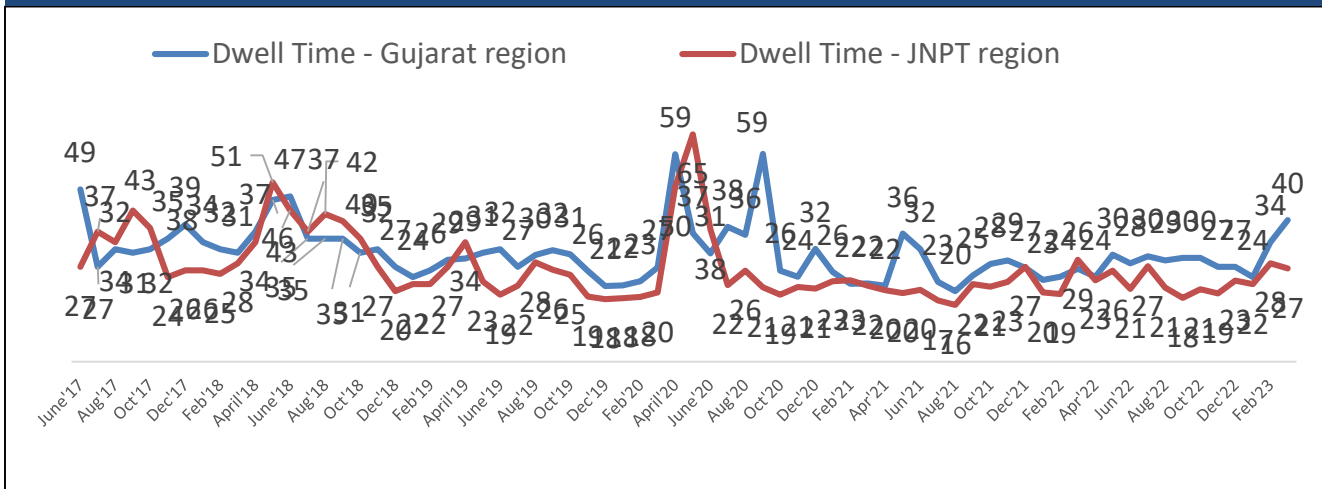


Trend Analysis

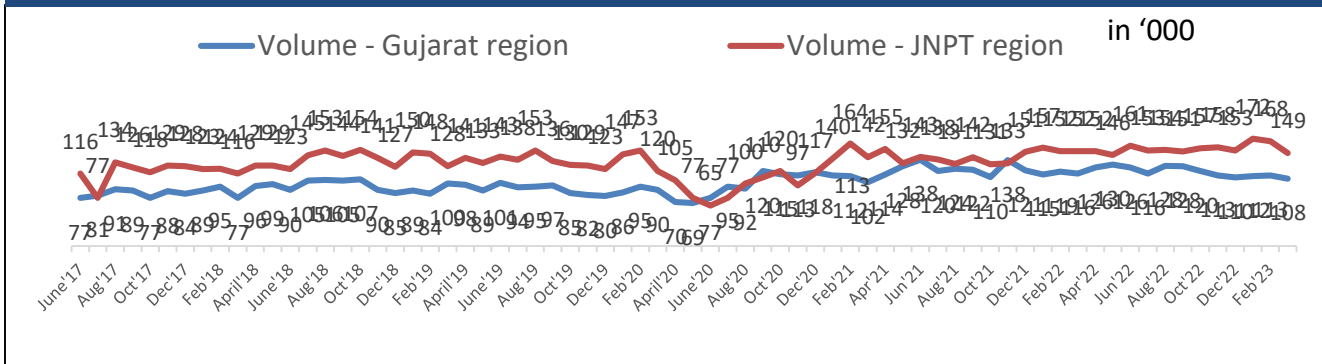
Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Mar'23

Import Cycle

Dwell Time – Mundra Region Vs JNPA Region



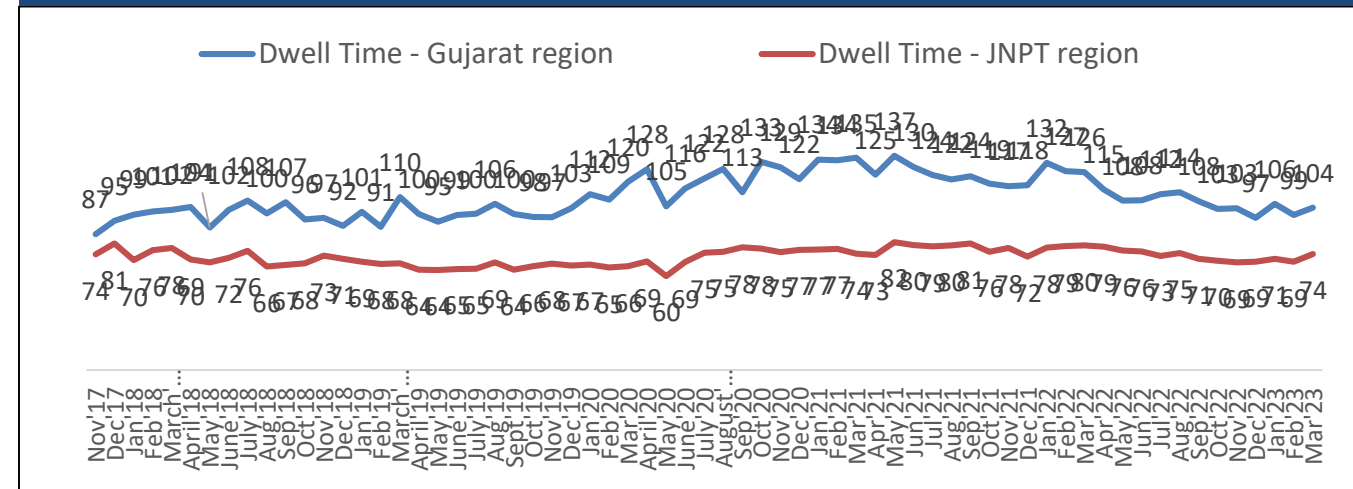
Volume – Mundra Region Vs JNPA Region



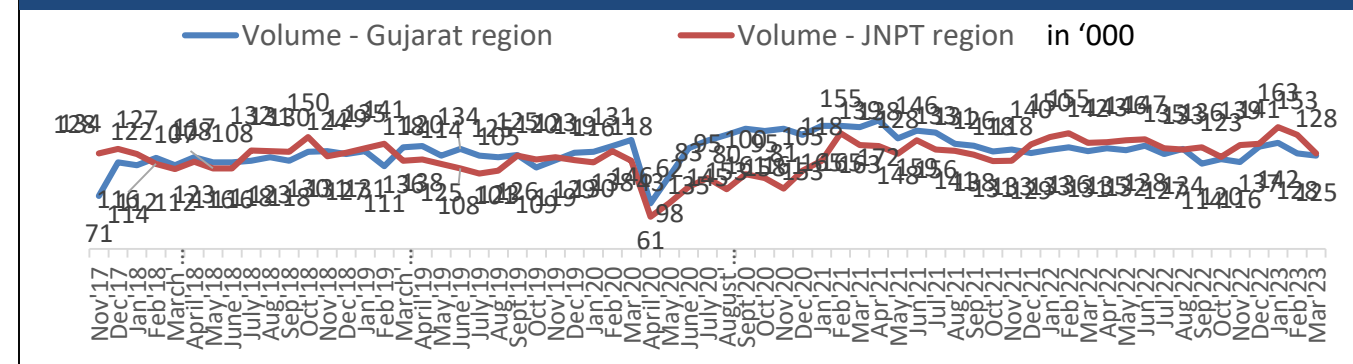
In Import cycle, for the month of Mar'23 Mundra port has catered 27.6% less volume than JNPA Port, and has performed with 51.9% higher dwell time than JNPA Port.

Export Cycle

Dwell Time – Mundra Region Vs JNPA Region



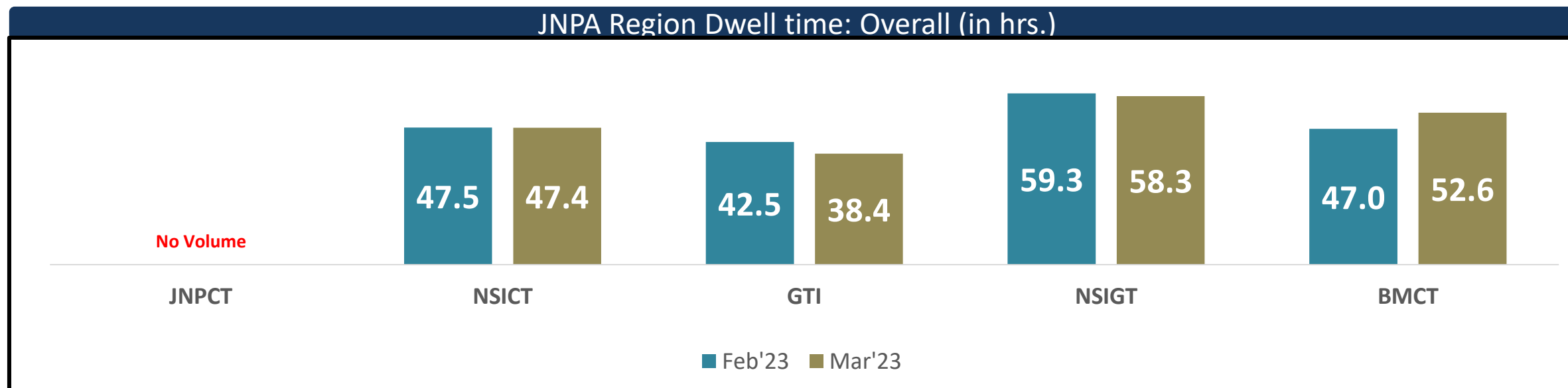
Volume – Mundra Region Vs JNPA Region



In Export cycle, for the month Mar'23 JNPA port catered 2.4% high volume than Mundra Port, and has maintained 28.5% 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



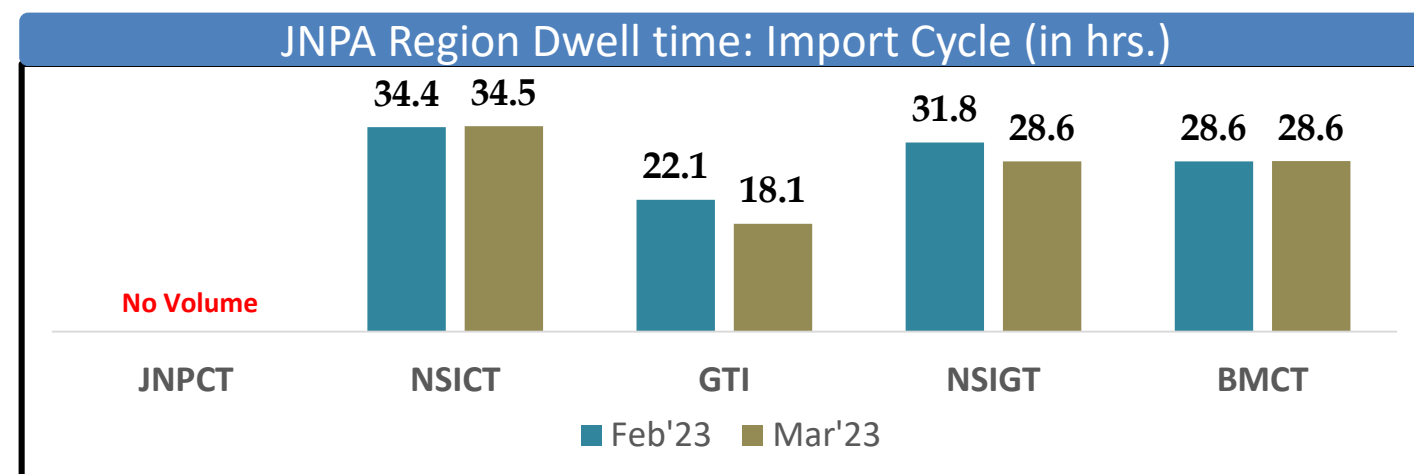
The overall JNPA region average dwell time for Mar'23 is 48.9 hrs as compared to 47.6 hrs in Feb'23

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



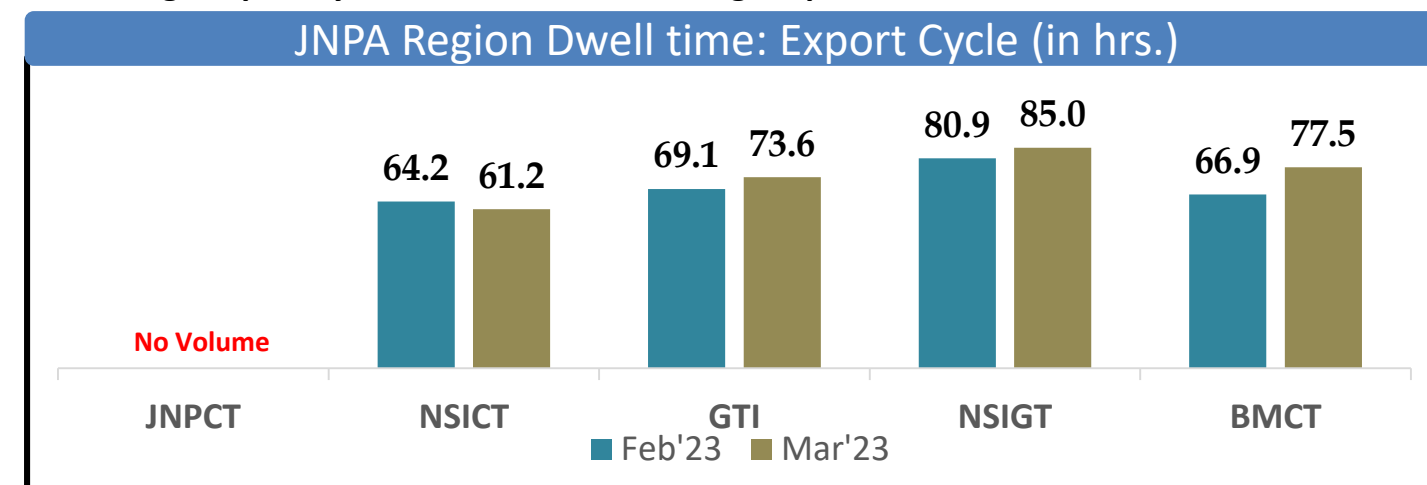
JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Mar'23 is 26.5 hrs.



JNPA Export cycle Trend

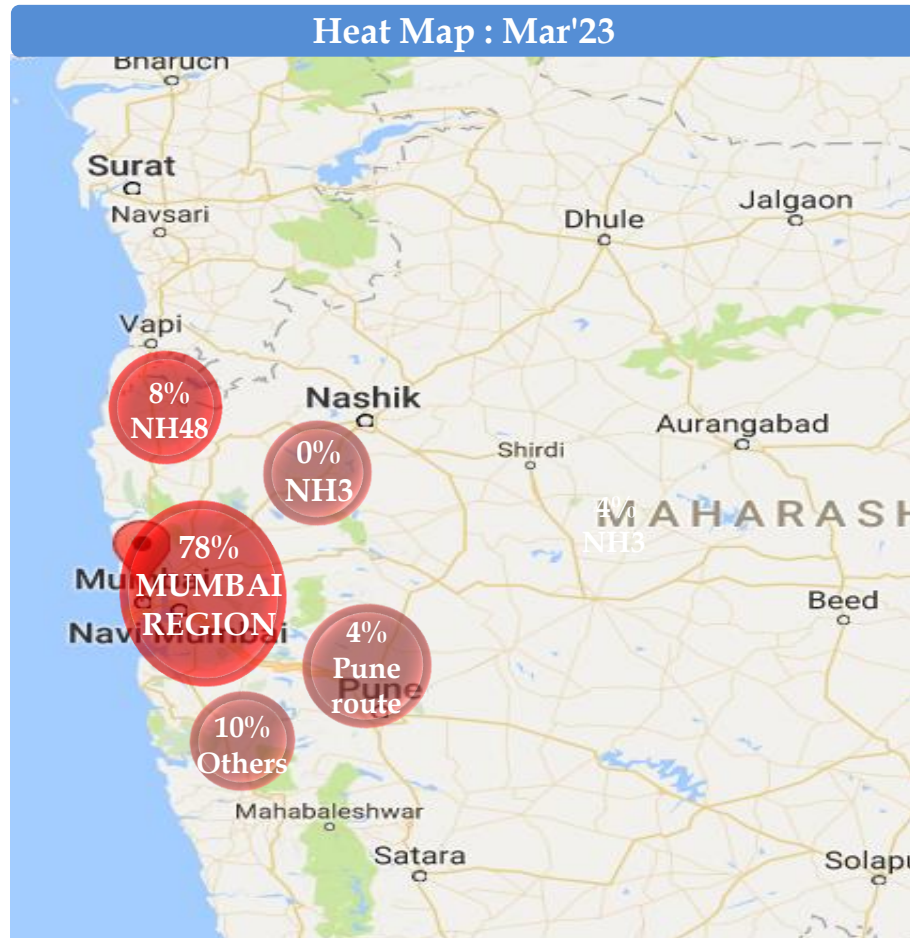
The average export cycle dwell time of JNPA region port terminals for Mar'23 is 74.0 hrs.



ANNEXURE

Container movement around JNPA Port terminal region via Truck

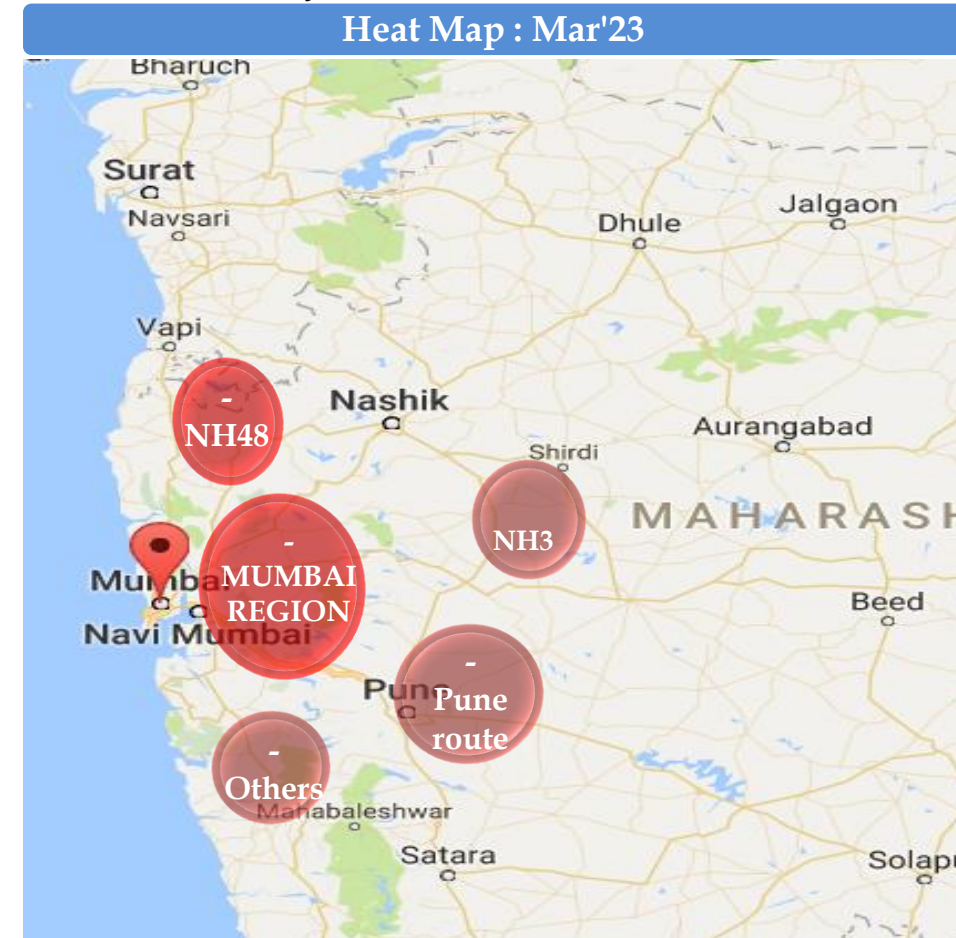
HEAT MAP : GTI Port Terminal



Region	Feb'23	Mar'23
Mumbai region	81%	78%
NH3	0%	0%
Pune	2%	4%
NH48	7%	8%
others	10%	10%

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

HEAT MAP : JNPCT Port Terminal

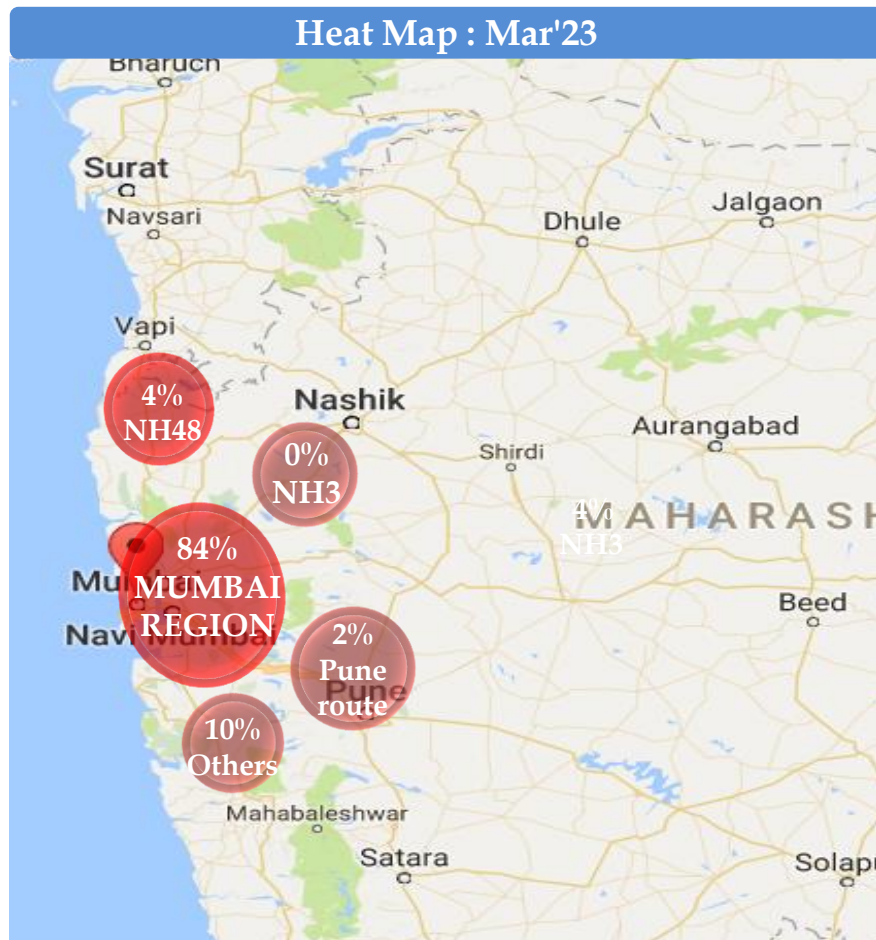


Region	Feb'23	Mar'23
Mumbai region	-	-
NH3	-	-
Pune	-	-
NH48	-	-
others	-	-

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

Container movement around JNPA Port terminal region via Truck

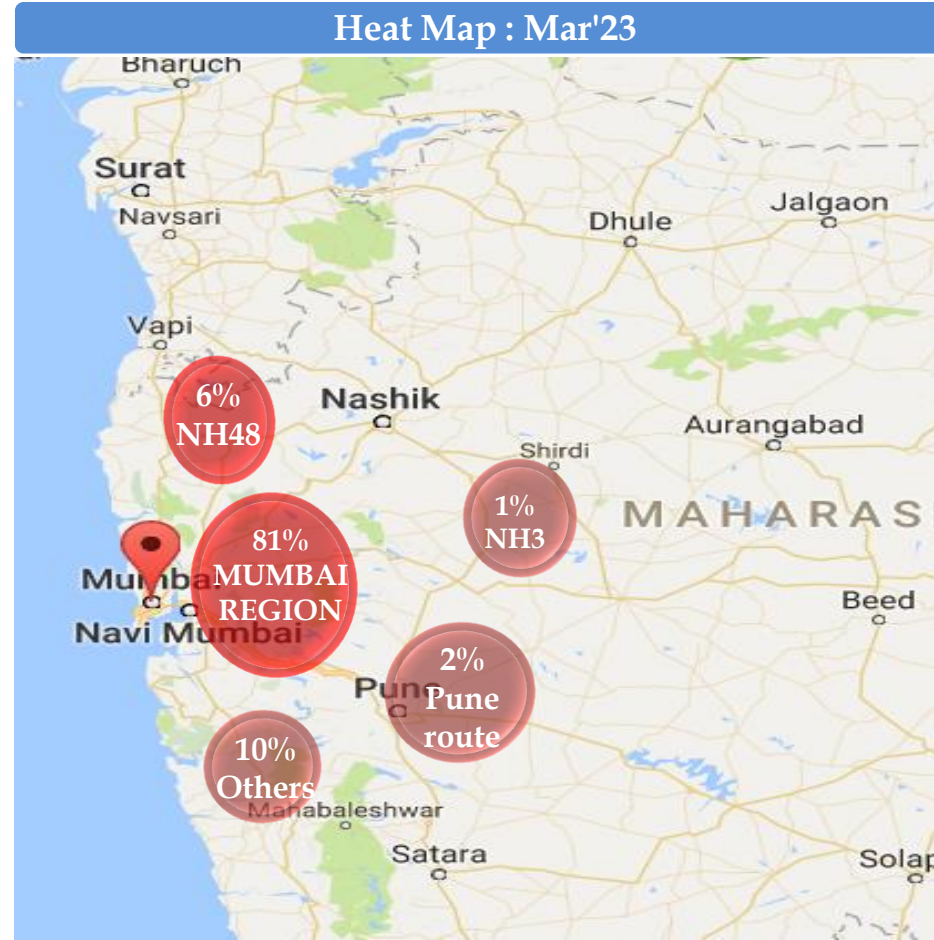
HEAT MAP : NSIGT Port Terminal



Region	Feb'23	Mar'23
Mumbai region	84%	84%
NH3	0%	0%
Pune	2%	2%
NH48	4%	4%
others	10%	10%

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

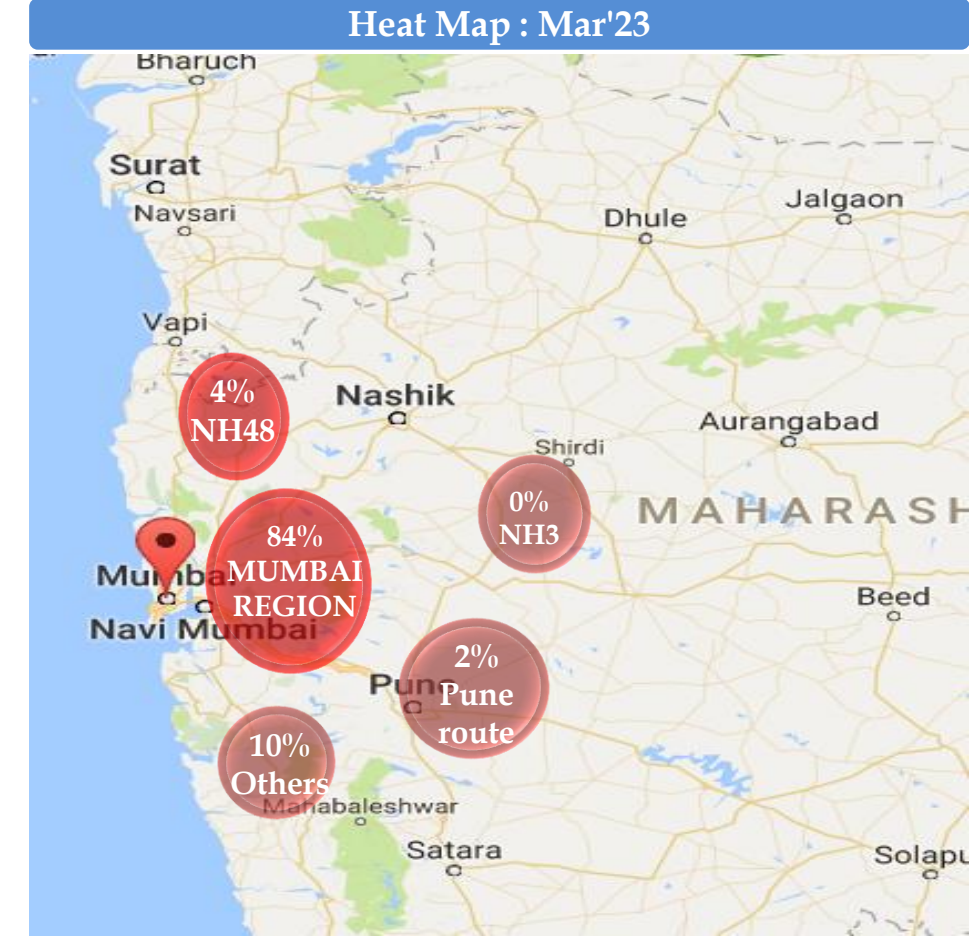
HEAT MAP : NSICT Port Terminal



Region	Feb'23	Mar'23
Mumbai region	83%	81%
NH3	0%	1%
Pune	2%	2%
NH48	5%	6%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Feb'23	Mar'23
Mumbai region	84%	84%
NH3	0%	0%
Pune	2%	2%
NH48	5%	4%
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) - Mar'23 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Punjab Conware CFS, Navi Mumbai	-	2.0	2.0	1.9	2.1
JWC Logistics Park CFS	-	2.9	3.9	2.3	2.5
Dronagiri Rail Terminal CFS, Navi Mumbai	-	4.1	4.3	6.2	13.8
Navkar Corporation Yard 2 CFS, Panvel	-	5.4	3.4	4.4	3.4
Vaishno Logistics CFS, Navi Mumbai	-	2.8	2.9	2.3	2.5
Speedy Multimode CFS, JNPT	-	1.7	1.7	1.5	1.7
Navkar Corporation Yard 3 CFS, Panvel	-	3.0	3.2	2.9	3.4
Ashte Logistics CFS, Panvel	-	2.5	2.6	2.5	2.6
Continental Warehousing CFS, Navi Mumbai	-	1.8	1.6	1.7	1.8
SBW Logistics CFS, Navi Mumbai	-	3.9	3.7	-	3.5
Maharashtra State Corp CFS	-	2.1	2.8	1.9	2.2
International Cargo Terminal CFS	-	2.1	1.6	1.7	1.8
Seabird CFS, Navi Mumbai	-	2.8	3.0	3.1	4.2
Apollo Logisolutions CFS, Panvel	-	3.8	3.8	4.9	5.4
Ameya Logistics CFS, Navi Mumbai	-	2.3	2.2	2.3	2.4
AllCargo Logistics	-	3.0	2.9	2.9	2.7
Ocean Gate CFS, Panvel	-	3.2	3.1	2.9	3.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	3.2	2.8	2.3	2.7
Kerry Indev Logistics Pvt Ltd CFS	-	2.7	2.2	2.8	3.2
APM (Maersk India) CFS, Navi Mumbai	-	2.4	2.0	2.3	2.0

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) – Mar'23 (in hrs)

CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
AllCargo Logistics	-	3.0	2.9	2.9	2.6
Ameya Logistics CFS, Navi Mumbai	-	2.2	2.2	2.2	2.3
APM (Maersk India) CFS, Navi Mumbai	-	2.4	2.0	2.3	2.0
Apollo Logisolutions CFS, Panvel	-	3.7	3.8	3.6	5.1
Ashte Logistics CFS, Panvel	-	2.5	2.5	2.5	2.5
Continental Warehousing CFS, Navi Mumbai	-	1.7	1.6	1.8	1.7
Dronagiri Rail Terminal CFS, Navi Mumbai	-	2.4	3.1	6.1	3.8
Gateway Distriparks CFS, Navi Mumbai	-	2.3	2.5	2.0	2.6
International Cargo Terminal CFS	-	1.7	1.6	1.6	1.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	3.2	2.7	2.4	2.4
JWC Logistics Park CFS	-	2.9	3.9	2.4	2.4
Kerry Indev Logistics Pvt Ltd CFS	-	2.7	2.2	2.6	2.8
Maersk Annex (APM)CFS, Navi Mumbai	-	1.9	1.8	2.7	1.9
Maharashtra State Corp CFS	-	1.9	2.6	4.0	1.9
Navkar Corporation Yard 1 CFS, Panvel	-	3.0	3.3	3.4	2.6
Navkar Corporation Yard 2 CFS, Panvel	-	2.0	3.4	5.1	3.3
Navkar Corporation Yard 3 CFS, Panvel	-	2.9	3.1	3.0	3.2
Ocean Gate CFS, Panvel	-	3.2	3.2	2.9	3.3
Punjab Conware CFS, Navi Mumbai	-	1.8	1.8	1.9	1.8
SBW Logistics CFS, Navi Mumbai	-	3.7	3.6	2.2	3.5
Seabird CFS, Navi Mumbai	-	2.8	3.1	3.1	3.9
Speedy Multimode CFS, JNPT	-	1.7	1.6	1.4	1.7
Vaishno Logistics CFS, Navi Mumbai	-	2.5	2.6	2.2	2.3

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

CFS Cluster : GTI Terminal

GTI terminal for month of Mar'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	1.7
Cluster 2	6	13	-	-
Cluster 3	6	11	2.2	2.4
Cluster 4	1	13	2.5	2.8
Cluster 5	2	25	3.1	3.1
Cluster 6	6	25	2.8	3.0
Cluster 7	4	12	2.2	2.3
Cluster 8	1	34	3.7	3.9

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Mar'23				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	-	-
Cluster 2	6	13	-	-
Cluster 3	6	11	-	-
Cluster 4	1	13	-	-
Cluster 5	2	25	-	-
Cluster 6	6	25	-	-
Cluster 7	4	12	-	-
Cluster 8	1	34	-	-

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

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 Mar'23

NSIGT terminal for month of Mar'23

BMCT terminal for month of Mar'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	1.7
Cluster 2	6	13	-	-
Cluster 3	6	11	2.8	2.9
Cluster 4	1	13	2.6	2.9
Cluster 5	2	25	3.5	3.5
Cluster 6	6	25	3.2	3.2
Cluster 7	4	12	2.2	2.2
Cluster 8	1	34	3.6	3.7

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	1.4	1.5
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	2.5
Cluster 4	1	13	2.2	2.3
Cluster 5	2	25	2.6	2.6
Cluster 6	6	25	3.2	2.9
Cluster 7	4	12	2.2	2.3
Cluster 8	1	34	2.2	-

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	1.7
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	3.2
Cluster 4	1	13	2.3	2.5
Cluster 5	2	25	2.9	2.9
Cluster 6	6	25	3.0	3.4
Cluster 7	4	12	2.3	2.4
Cluster 8	1	34	3.5	3.5

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

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

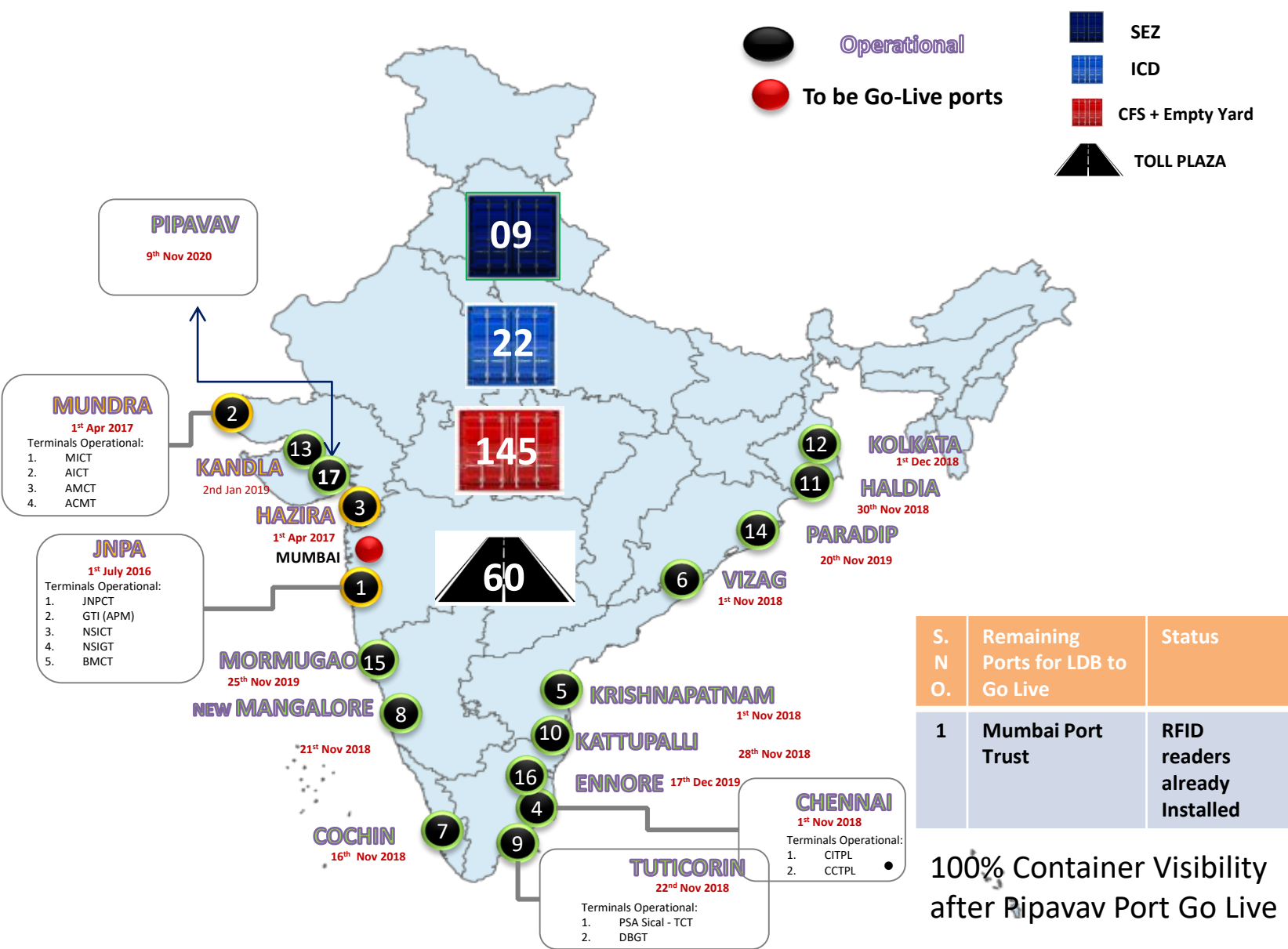
Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
Agra	31.2	-	-	131.2	-	130.3
Ankaleshwar	88.1	29.7	-	40.7	-	43.7
Ballabgarh	411.7	471.5	-	-	-	471.5
Bangalore	-	72.2	-	-	-	72.2
Baroda	-	47.3	-	108.6	39.1	52.7
Boisar	72.5	18.1	-	54.1	62.2	61.5
Dadri	37.7	-	-	78.0	53.1	38.5
Daulatabad	56.7	49.2	-	31.1	46.5	44.1
Faridabad	170.2	169.0	-	101.3	117.8	169.0
Guhati	352.4	322.7	-	363.1	103.1	329.0
Indore	119.5	14.9	-	92.3	58.8	74.1
Jaipur	65.5	28.4	-	96.8	133.2	67.8
Kanpur	117.4	80.0	-	142.1	35.4	112.1
Khatuwas	45.1	17.3	-	-	-	21.2
Khodiyar	69.5	71.3	-	119.8	64.5	69.8
Khopate	18.3	-	-	-	-	18.3
Ludhiana	29.3	28.6	-	64.3	32.6	32.6
Malanpur	83.4	61.5	-	61.1	88.2	65.3
Mandideep	77.3	18.9	-	39.8	101.7	48.5
Moradabad	44.7	36.1	-	47.3	57.2	46.0
Nagpur	85.5	150.5	-	76.6	89.8	91.2
Navi Mumbai	16.5	18.7	-	20.4	21.4	18.6
Pantnagar	-	-	-	43.4	-	43.4
Patparganj	151.1	27.8	-	-	-	60.3
Raipur	-	-	-	102.6	-	102.6
Sanatnagar	46.6	-	-	43.1	-	46.0
Thimmapur	87.4	-	-	325.8	145.5	257.4
Tughlakabad	36.0	-	-	99.4	45.0	40.9
Umbergaon	116.3	-	-	-	158.9	138.6
Wardha	967.9	-	-	1315.1	348.9	978.7

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

Destination-wise Dwell Time (in hrs) – Truck

CFS	BMCT	GTI	JNPCT	NSIGT	NSICT	Overall
AllCargo Logistics	17.7	-	-	15.4	25.7	18.8
Ameya Logistics CFS, Navi Mumbai	18.3	-	-	17.8	21.7	18.9
APM (Maersk India) CFS, Navi Mumbai	38.2	15.6	-	28.8	52.3	38.5
Apollo Logisolutions CFS, Panvel	16.9	17.6	-	20.6	19.8	17.5
Ashte Logistics CFS, Panvel	22.6	18.3	-	22.0	22.2	20.8
Balmer & Lawrie CFS, Navi Mumbai	23.9	15.8	-	24.4	26.9	22.9
Continental Warehousing CFS, Navi Mumbai	27.9	15.0	-	19.5	42.4	20.1
CWC Impex Park	17.1	14.4	-	19.2	28.7	17.8
Dronagiri Rail Terminal CFS, Navi Mumbai	29.5	18.7	-	23.5	-	25.3
EFC Logistics	21.7	20.1	-	27.1	34.3	24.0
Gateway Distriparks CFS, Navi Mumbai	19.3	16.3	-	19.3	23.6	19.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	-	15.7	22.1	18.2
JWC Logistics Park CFS	15.8	12.4	-	16.2	18.5	14.8
Kerry Indev Logistics Pvt Ltd CFS	16.9	12.8	-	17.0	18.0	15.2
Maharashtra State Corp CFS	27.7	15.6	-	27.5	58.6	30.3
Navkar Corporation	18.5	11.5	-	16.5	29.3	17.5
Ocean Gate CFS, Panvel	19.9	15.1	-	22.8	26.3	20.5
Sarveshwar Logistics	20.5	10.8	-	30.7	20.9	19.2
SBW Logistics CFS, Navi Mumbai	27.2	-	-	53.6	-	27.7
Seabird CFS, Navi Mumbai	24.5	-	-	19.4	38.1	27.5
Speedy Multimode CFS, JNPT	19.2	-	-	21.8	24.2	20.8
Take Care Logistics	16.0	15.1	-	17.2	22.2	17.0
TG Terminals	25.9	-	-	24.0	31.5	26.8
Vaishno Logistics CFS, Navi Mumbai	23.0	22.4	-	33.4	52.9	31.0



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



THANK YOU